

**REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE**

**DETAILED DESIGN STUDY ON
THE BAGO RIVER BRIDGE
CONSTRUCTION PROJECT**

FINAL REPORT ATTACHMENTS

**VOLUME III QUANTITY
CALCULATION REPORT
PartV Flyover Bridge**

DECEMBER 2017

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

NIPPON KOEI CO., LTD.

ORIENTAL CONSULTANTS GLOBAL CO., LTD.

METROPOLITAN EXPRESSWAY COMPANY LIMITED.

CHODAI CO., LTD.

NIPPON ENGINEERING CONSULTANTS CO., LTD.

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01-PC BRIDGE

§1 Summary of Quantity of Bridge and Bridge Deck

1-1. Summary of Total Quantity

(Part1)

	Specification		Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Main Girder									
Number of Main Grider			No.	4	4	8	4	20	Inner Grider
			No.	4	4	8	4	20	Outer Grider
Concrete Volume	σck = 40 N/mm ²		m ³	232.9	235.0	473.9	225.5	1167	
Form Area	For Side and Edge		m ²	1178.0	1182.5	2426.4	1165.9	5953	
	For Bottom		m ²	167.1	167.2	333.6	167.1	835	
PC Strand									
Length of PC Strand	7S15.2		m	1178.5	1181.2	2359.2	1178.4	5897	
Weight of PC Strand	7S15.2		kg	9084	9104	18176	9080	45444	
Length of Shearth	φ 65 mm		m	1178.5	1181.2	2359.2	1178.4	5897	
Length of Grout	φ 65 mm		m	1178.5	1181.2	2359.2	1178.4	5897	
Anchorage for PC Strand	7S15.2		set	80	80	160	80	400	
Reingforcement Grid	7S15.2		set	80	80	160	80	400	
Stressing Work	7S15.2		No.	80	80	160	80	400	
Reinforcement Bar	SD345	D22	kg	0	0	0	0	0	
		D19	kg	6639	6643	13264	6640	33186	
		D16	kg	15650	15690	32384	15520	79244	
		D13	kg	12512	12578	26140	12552	63782	
		Total	kg	34801	34911	71788	34712	176212	
Embedded Shearth for Cross Beam	φ 60 mm		m	67.2	67.3	162.4	67.2	364	Embedded Shearth in Main Grider

(Part2)

	Specification	Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Cross Beam								
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	36.9	37.1	45.8	36.7	157	End and Intermediate Crossbeam
Form Area	For Side, Edge and Bottom	m ²	132.3	130.6	186.8	129.5	579	End and Intermediate Crossbeam
Reinforcement Bar	SD345	D22	kg	0	0	0	0	0
		D19	kg	1046	1048	1074	1042	4210
		D16	kg	558	558	608	556	2280
		D13	kg	616	616	1116	616	2964
		Total	kg	2220	2222	2798	2214	9454
PC Strand								
Length of PC Strand	4S15.2	m	269.0	269.1	649.6	268.8	1457	
Weight of PC Strand	4S15.2	kg	1184	1185	2860	1184	6413	
Length of Shearh	$\phi \text{ 45 mm}$	m	203.8	204.1	492.3	203.8	1104	
Length of Grout	$\phi \text{ 45 mm}$	m	269.0	269.1	649.6	268.8	1457	
Anchorage for PC Strand	4S15.2	set	48	48	116	48	260	
Reingforcement Grid	4S15.2	set	48	48	116	48	260	
Stressing Work	4S15.2	No.	48	48	116	48	260	
Fixing Device	4S15.2	No.	48	48	116	48	260	
Deck Slab								
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	139.0	139.4	276.8	138.3	694	
Form Area	For Side, Edge and Bottom	m ²	101.1	101.5	194.8	99.6	497	
Reinforcement Bar	SD345	D22	kg	13661	13667	22142	13699	63169
		D19	kg	34809	35068	74389	34233	178499
		D16	kg	5404	5406	9733	5424	25967
		D13	kg	1769	1696	3329	1618	8412
		Total	kg	55643	55837	109593	54974	276047

(Part3)

		Specification	Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Standard
PC Plate									
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	150	150	312	156	768	Standard Plate
	2	736 × 2380 × 100	No.	6				6	
	3	749 × 2380 × 100	No.	6	6			12	
	4	750 × 2380 × 100	No.		6			6	
	5	737 × 2380 × 100	No.	6				6	Adjustment Plate
	6	750 × 2380 × 100	No.	6	6			12	
	7	751 × 2380 × 100	No.		6			6	
	8	973 × 2380 × 100	No.			6		6	
	9	999 × 2380 × 100	No.			9	9	18	
	10	899 × 2380 × 100	No.			6		6	
	11	949 × 2380 × 100	No.			3	3	6	
Concrete Volume		$\sigma_{ck} = 40 \text{ N/mm}^2$	m ³	38.4	38.4	76.8	38.5	192	
Form Area		For Side, Edge and Bottom	m ²	517.0	517.5	1026.8	514.2	2576	
PC Plate Area			m ²	399.5	399.9	797.5	399.5	1996	
Joint Filler		Sponge Tape	m	335.7	336.0	670.2	335.7	1678	15 mr × 10
Filling Material for Cutout Part		Non-Shrinkage Mortar	m ³	1.007	1.008	2.010	1.007	5.03	
Joint Sealing Material		Non-Shrinkage Mortar	m ³	0.170	0.170	0.328	0.164	0.83	
Length of PC Strand		1S9.3	m	6211.8	6211.8	11995.2	5997.6	30416	
Weight of PC Strand		1S9.3	kg	2516	2516	4860	2430	12322	
Reinforcement Bar	SD345	D10	kg	3080	3080	5948	2974	15082	
		Total	kg	3080	3080	5948	2974	15082	

(Part4)

	Specification	Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Connecting Part								
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	Connecting Part 36.2		112.3	35.8	221	
Form Area	For Side, Edge and Bottom	m^2	51.7	51.7	158.4	51.3	313	Connecting Part
Reinforcement Bar	SD345	D22	1727	1728	5397	1719	10571	
		D19	0	0	0	0	0	
		D16	4298	4303	14199	4281	27081	
		D13	197	197	600	197	1191	
		Total	6222	6228	20196	6197	38843	
Scaffolding								
Scaffolding under Main Girder		m^2	765.0	765.0	765.0	765.0	3060	
Side Scaffolding		m	60.0	60.0	120.0	60.0	300	
Bridge Surface								
Karb and Barrier								
Concrete Volume	$\sigma_{ck} = 24 \text{ N/mm}^2$	m^3	58.3	62.2	128.0	61.1	310	
Form Area	For Side, Edge and Bottom	m^2	308.5	322.0	648.5	314.3	1593	
Contraction Joint	t= 10 mm	m^2	1.5	1.5	3.4	1.5	8	
V Cut		L	16.0	17.0	37.5	16.5	87	
Reinforcement Bar	SD345	D22	0	0	0	0	0	
		D19	0	0	0	0	0	
		D16	4594	4706	9193	4456	22949	
		D13	4273	4408	8884	4198	21763	
		Total	8867	9114	18077	8654	44712	
Pavement								
Asphalt Pavement	t= 80 mm	m^2	658.4	658.9	1317.8	658.4	3293	Carriageway
Adjustment Concrete	$\sigma_{ck} = 18 \text{ N/mm}^2$	m^3	4.8	35.9	102.0	33.5	176	Carriageway
Lighting Post Foundation								
Concrete Volume	$\sigma_{ck} = 24 \text{ N/mm}^2$	m^3	0.9	0.9	1.4	0.5	4	
Form Area	For Side, Edge and Bottom	m^2	5.2	5.2	7.8	2.6	21	
Reinforcement Bar	SD345	D13	80	80	120	40	320	

(Part5)

	Specification	Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Bearing								
Rubber Bearing	520×520×112	No.	4	4		4	12	
	520×470×92	No.	12	12	24	12	60	
	520×520×142	No.			8		8	
Anti-Corrosion Anchor System	φ60×1220	kg	326	163	163	326	978	
	φ85×1720	kg	459				459	
	φ75×1520	kg		632	316		948	
	φ70×1420	kg					0	
	φ65×1320	kg			206		206	
	φ90×1820	kg			545	545	1090	
	φ95×1920	kg			641		641	
Anti-Corrosion Material (CR Sponge)	200×300×20	No.	6	6	12	6	30	
	200×200×20	No.	12	12	18	12	54	
Reinforcement Bar	SD345 D10	kg	116	116	232	116	580	
Bed Mortar for Bearing	Non-Shrinkage Mortar	m ³	0.5	0.6	0.9	0.5	2.5	
Mortar for Anchor Halls	Non-Shrinkage Mortar	m ³	0.5	0.5	1.0	0.5	2.5	

§2 Quantity of Catch Basin

1.1 Steel Material

<ACCESSORY>

Mtls	Form	Size (mm)	Total	AF1-PF2	PF5-PF7
SM400A	PL	8.0	348	48	46
		6.0	1,558	220	205
	M. Total		1,906	268	251
M. Total			1,906	268	251
SS400	FB	100 x 6.0	382	52	50
Subtotal of Steel			2,288	320	301
SS400	B. N	M 12 x 40	174	24	23
		M 12 x 35	17	2	2
	M. Total		191	26	25
	W	M 12	191	26	25
	A. N	M 16 x 100	34	4	4
		M 12 x 100	174	24	23
	M. Total		208	28	27
M. Total			590	80	77
Subtotal of Purchased Part			590	80	77
Total (Kg)			2,878	400	378

<ACCESSORY>

Mtls	Form	Size (mm)	PF7-PF11	PF14-AF2
SM400A	PL	8.0	158	96
		6.0	693	440
	M. Total		851	536
M. Total			851	536
SS400	FB	100 x 6.0	176	104
Subtotal of Steel			1,027	640
SS400	B. N	M 12 x 40	79	48
		M 12 x 35	9	4
	M. Total		88	52
	W	M 12	88	52
	A. N	M 16 x 100	18	8
		M 12 x 100	79	48
	M. Total		97	56
M. Total			273	160
Subtotal of Purchased Part			273	160
Total (Kg)			1,300	800

Shape Name	
PL	Plate
CHPL	Applied plate
DECK	Deck plate
EX	Expanded metal
L	equilateral/unequal angle steel
LL	Unequal angle steel with unequal thickness
CT	CT-shaped steel
CH	Channel-shaped steel
H	H-shaped steel
I	I-shaped steel
U	U-shaped steel(The dimensions are names)
BULB	Bulb plate
FB	Flat bar
RB	Round bar
DB	Deformed bar
HRB	Half-round bar
SB	Square bar
6B	Hexagonal bar
LC	Light channel-shaped steel
LZ	Light Z-shaped steel
LA	Light angle steel
LRC	Lip channel-shaped steel
LRZ	Lip Z-shaped steel
LH	Hat steel
LSP	Square steel pipe
STK	Ordinary structural carbon steel pipe
STPY	Arc welding carbon steel pipe for piping
SGP	Carbon steel pipe for piping(The dimensions are names)
PIPE	Steel pipe for piping
SP5	Stainless steel pipe for piping(5S)
SP10	Stainless steel pipe for piping(10S)
HTB	Hexagon head bolt for high-strength structural bolting
TCB	Torshear type high strength bolt
HTBF	Driving high strength bolt(flat head)
HTBR	Driving high strength bol(round head)
B. N	Normal hexagon headed bolt set (1-nut、1-bolt)
B. UN	Hexagon headed bolt and lock nut set (1-lock nut、1-bolt)
BLT	Normal hexagon headed bolt
W	Washer
SW	Spring-washer
TW	Taper washer
RH	Roundhead rivet
WPIN	Split pin(The dimensions are names)
NUT	Hexagon nut (1 type)
NUT3	Hexagon nut (3 type)
UNUT	U nut
HLN	Hardlock nut
UBA	U bolt(TYPE-A)
UBB	U bolt(TYPE-B)
UBC	U bolt(TYPE-C)
STUD	Stud dowel
STUG	Cast-in-place stud dowel
TAP	Tap bolt (machine screw)
A. N	Driving anchor bolt (Sleeve driving type)
A. N2	Driving anchor bolt (Bolt driving type)
S. BT	Stud bolt
PIN	Pin
CHAN	Chain
MASU	Drainage basin
LL45	Steel pipe elbow 4 5° long
LS90	Steel pipe elbow 9 0° short
LL90	Steel pipe elbow 9 0° long
RC	Reducer
FJ10	Flange joint S=10K
FJ5	Flange joint S=5K
HNUT	Nut for high strength bolt
S. N	Machine screw
PBT	Flat head bolt
T-NT	High nut
ST. 2	Stud dowel(with screw)
SP10	Stainless steel pipe for piping(10S)

1.2 Number of Bolt

<ACCESSORY>

Number Count

Mtls	Form	Size (mm)	Total	AF1-PF2	PF5-PF7
SS400	B. N	M 12 x 40	1,392	192	184
		M 12 x 35	68	8	8
	Subt		1,460	200	192
	W	M 12	2,920	400	384
	A. N	M 16 x 100	136	16	16
		M 12 x 100	1,392	192	184
	Subt		1,528	208	200
Subtotal			5,908	808	776
Subtotal of Purchased Part			5,908	808	776
Total (Number)			5,908	808	776

<ACCESSORY>

Number Count

Mtls	Form	Size (mm)	PF7-PF11	PF14-AF2
SS400	B. N	M 12 x 40	632	384
		M 12 x 35	36	16
	Subtota		668	400
	W	M 12	1,336	800
	A. N	M 16 x 100	72	32
		M 12 x 100	632	384
	Subtota		704	416
Subtotal			2,708	1,616
Subtotal of purchased Part			2,708	1,616
Total (Number)			2,708	1,616

1.3 Galvanizing

[Unit:kg]

Shape	Quality	Size	Drainage Metal Fittings				Total	Standard
			AF. 1- PF. 2	PF. 5- PF. 7	PF. 7- PF. 11	PF. 14- AF. 2		
PL	SM400A	8	48	46	158	96	348	HDZ55
		6	220	205	693	440	1,558	"
Subtotal			268	251	851	536	1,906	-
	Subtotal		268	251	851	536	1,906	-
FB	SS400	100 x 6.0	52	50	176	104	382	HDZ55
	Subtotal of Steel		320	301	1,027	640	2,288	-
B. N	SS400	M 12 x 40	24	23	79	48	174	HDZ35
		M 12 x 35	2	2	9	4	17	"
Subtotal			26	25	88	52	191	-
W	SS400	M 12	26	25	88	52	191	HDZ35
A. N	SS400	M 16 x 100	4	4	18	8	34	"
		M 12 x 100	24	23	79	48	174	"
Subtotal			28	27	97	56	208	-
	Subtotal		80	77	273	160	590	-
Subtotal of Purchased Part			80	77	273	160	590	
Total			400	378	1,300	800	2,878	

[Unit:kg]

Standard	AF. 1- PF. 2	PF. 5- PF. 7	PF. 7- PF. 11	PF. 14- AF. 2	Total
HDZ55	320	301	1,027	640	2,288
HDZ35	80	77	273	160	590

1.4 Weight of Steel Material Weight

<ACCESSORY><AF1-PF2> Block: SUPPOT B1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A			PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A			PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400			PLATING	S. W	C	
PL	100 x 6.0	815	1	47.100	3.840	4	SM400A			PLATING	S. W	C	
PL	158 x 6.0	691	1	47.100	5.140	5	SM400A			PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400			PLATING	B	C	
W	M 12		16		0.005	1	SS400			PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400			PLATING	B	C	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	13							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	TWELD LENGTH	0 mm											
1 Block Total					Weight	16 Kg							
22 Block Total					Weight	352 Kg							

<ACCESSORY><AF1-PF2> Block: SUPPOT B2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	575	1	47.100	2.710	3	SM400A		PLATING	S. W	C	
PL	158 x 6.0	451	1	47.100	3.360	3	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	
	Large Shape	Number	0		Weight	0						
	Small Shape	Number	0		Weight	0						
	Acc Small				Weight	10						
	Other Acc				Weight	0						
	Butt Joint	0 mm										
	TWELD LENGTH	0 mm										
1 Block Total					Weight	13 Kg						
2 Block Total					Weight	26 Kg						

<ACCESSORY><AF1-PF2> Block:SUPPOT S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
FB	100 x 6.0	469	1	4.710	2.210	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	467	2	47.100	2.200	4	SM400A		PLATING	S. W	C	
PL	100 x 6.0	216	1	47.100	1.020	1	SM400A		PLATING	S. W	C	
B. N	M 12	35	4		0.063	1	SS400		PLATING	B	C	
W	M 12		8		0.005	1	SS400		PLATING	B	C	
A. N	M 16	100	8		0.281	2	SS400		PLATING	B	C	
Large Shape	Number	0			Weight	0						
Small Shape	Number	0			Weight	0						
Acc Small					Weight	7						
Other Acc					Weight	0						
Butt Joint		0 mm										
TWELD LENGTH		0 mm										
1 Block Total					Weight	11 Kg						
2 Block Total					Weight	22 Kg						

<ACCESSORY><PF5-PF7> Block:SUPPOT B1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	815	1	47.100	3.840	4	SM400A		PLATING	S. W	C	
PL	158 x 6.0	691	1	47.100	5.140	5	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	
Large Shape	Number	0			Weight	0						
Small Shape	Number	0			Weight	0						
Acc Small					Weight	13						
Other Acc					Weight	0						
Butt Joint		0 mm										
TWELD LENGTH		0 mm										
1 Block Total					Weight	16 Kg						
19 Block Total					Weight	304 Kg						

<ACCESSORY><PF5-PF7> Block:SUPPOT B2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	575	1	47.100	2.710	3	SM400A		PLATING	S. W	C	
PL	158 x 6.0	451	1	47.100	3.360	3	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	10
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	13 Kg
4 Block Total	Weight	52 Kg

<ACCESSORY><PF5-PF7> Block:SUPPOT S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
FB	100 x 6.0	469	1	4.710	2.210	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	467	2	47.100	2.200	4	SM400A		PLATING	S. W	C	
PL	100 x 6.0	216	1	47.100	1.020	1	SM400A		PLATING	S. W	C	
B. N	M 12	35	4		0.063	1	SS400		PLATING	B	C	
W	M 12		8		0.005	1	SS400		PLATING	B	C	
A. N	M 16	100	8		0.281	2	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	7
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	11 Kg
2 Block Total	Weight	22 Kg

<ACCESSORY><PF7-PF11> Block:SUPPOT B1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	815	1	47.100	3.840	4	SM400A		PLATING	S. W	C	
PL	158 x 6.0	691	1	47.100	5.140	5	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	13
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	16 Kg
58 Block Total	Weight	928 Kg

<ACCESSORY><PF7-PF11> Block:SUPPOT B2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	575	1	47.100	2.710	3	SM400A		PLATING	S. W	C	
PL	158 x 6.0	451	1	47.100	3.360	3	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	10
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	13 Kg
21 Block Total	Weight	273 Kg

<ACCESSORY><PF7-PF11> Block:SUPPOT S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
FB	100 x 6.0	469	1	4.710	2.210	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	467	2	47.100	2.200	4	SM400A		PLATING	S. W	C	
PL	100 x 6.0	216	1	47.100	1.020	1	SM400A		PLATING	S. W	C	
B. N	M 12	35	4		0.063	1	SS400		PLATING	B	C	
W	M 12		8		0.005	1	SS400		PLATING	B	C	
A. N	M 16	100	8		0.281	2	SS400		PLATING	B	C	
Large Shape	Number	0			Weight	0						
Small Shape	Number	0			Weight	0						
Acc Small					Weight	7						
Other Acc					Weight	0						
Butt Joint	0 mm											
TWELD LENGTH	0 mm											
1 Block Total					Weight	11 Kg						
9 Block Total					Weight	99 Kg						

<ACCESSORY><PF14-AF2> Block:SUPPOT B1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	815	1	47.100	3.840	4	SM400A		PLATING	S. W	C	
PL	158 x 6.0	691	1	47.100	5.140	5	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	
Large Shape	Number	0			Weight	0						
Small Shape	Number	0			Weight	0						
Acc Small					Weight	13						
Other Acc					Weight	0						
Butt Joint	0 mm											
TWELD LENGTH	0 mm											
1 Block Total					Weight	16 Kg						
44 Block Total					Weight	704 Kg						

<ACCESSORY><PF14-AF2> Block:SUPPOT B2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A		PLATING	S. W	C	
PL	140 x 8.0	160	1	62.800	1.410	1	SM400A		PLATING	S. W	C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	575	1	47.100	2.710	3	SM400A		PLATING	S. W	C	
PL	158 x 6.0	451	1	47.100	3.360	3	SM400A		PLATING	S. W	C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B	C	
W	M 12		16		0.005	1	SS400		PLATING	B	C	
A. N	M 12	100	8		0.165	1	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	10
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	13 Kg
4 Block Total	Weight	52 Kg

<ACCESSORY><PF14-AF2> Block:SUPPOT S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
FB	100 x 6.0	469	1	4.710	2.210	2	SS400		PLATING	S. W	C	
PL	100 x 6.0	467	2	47.100	2.200	4	SM400A		PLATING	S. W	C	
PL	100 x 6.0	216	1	47.100	1.020	1	SM400A		PLATING	S. W	C	
B. N	M 12	35	4		0.063	1	SS400		PLATING	B	C	
W	M 12		8		0.005	1	SS400		PLATING	B	C	
A. N	M 16	100	8		0.281	2	SS400		PLATING	B	C	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	7
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total	Weight	11 Kg
4 Block Total	Weight	44 Kg

1.5 Drainage

Drainage of superstructure

Item		Unit	Quantity					備 考
			AF.1-PF.2	PF.5-PF.7	PF.7-PF.11	PF.14-AF.2	TOTAL	
Pipe Length	200A	m	57.1	63.0	228.9	110.4	459.3	VP
Straight Pipe	200A	m	45.0	43.5	142.9	88.2	319.7	VP
Curve Pipe	200A	No.	6	6	27	8	47	VP
Expansion Joint	Horizontal Pulling	No.	2	3	19	4	28	VP
	Vertical Pulling	No.	1	2	9	4	16	
End Cap	VP200A	No.	2	2	6	4	14	
Device for Flexible Tube		set	10	9	21	20	60	For Straight Pipe
Flexible Tube	φ20	m	8.5	8.8	19.2	18.4	54.9	SUS304
Flexible Tube Joint	φ20	No.	10	8	8	8	34	Polyvinyl Chloride Pipe
Drain Pipe on Deck Slab		m	70.9	81.9	229.4	130.8	513.0	φ 20
Edge Joint Treatment		m	261.6	261.6	501.2	261.6	1286.0	
Extension of Molding Joint		m	261.6	658.9	501.2	261.6	1683.3	
Joint Filler		m ²	658.4	658.9	1317.8	658.4	3293.4	Coated Waterproofing Membrane
Catch pit		No.	3	6	27	6	42	400x320

1) Quantity Calculation of Drainage

(a) AF. 1-PF. 2

a) Pipe Length

VP (200A)

AF. 1-PF. 1 (R)

DRR1	1. 218	-	0. 520	=	0. 698

DRR2	1. 240	-	0. 520	=	0. 720

	25. 011	+	1. 888	=	26. 899

PF. 1-PF. 2 (R)

DRR3	1. 240	-	0. 520	=	1. 760

	25. 427	+	1. 188	+	0. 372	=	26. 987

Σ						57. 1 m

b) Straight Pipe

VP (200A)

AF. 1-PF. 1 (R)	4. 302	+	18. 309	=	22. 611

PF. 1-PF. 2 (R)	14. 307	+	8. 121	=	22. 428

Σ						45. 0 m

c) Curve Pipe

VP (200A)

T1	No.	3

T2	No.	2

T3	No.	1

d) Expansion Joint

VP (200A)	EX	HORIZONTAL PULLING	No.	2

	EX-S	VERTICAL PULLING	No.	1

e) End Cap

VP (200A)	No.	2

f) Device for Flexible Tube

SD	set	10

g) Flexible Tube

ø20 (SUS304)

AF. 1–PF. 1 (R)

SDR1	1. 600			=	1. 600
SDR2	1. 238	–	0. 470	=	0. 768
SDR3	1. 239	–	0. 470	=	0. 769
SDR4	1. 239	–	0. 470	=	0. 769
SDL5	1. 241	–	0. 470	=	0. 771
PF. 1–PF. 2 (R)					
SDL6	1. 247	–	0. 470	=	0. 777
SDL7	1. 243	–	0. 470	=	0. 773
SDL8	1. 237	–	0. 470	=	0. 767
SDL9	1. 233	–	0. 470	=	0. 763
SDL10	1. 229	–	0. 470	=	0. 759

Σ	8. 5 m

h) Flexible Tube Joint ø20

No.	10

i) Drain Pipe on Deck Slab ø20

R2	59. 900	x	1	=	59. 900
GE1	5. 500	x	1	=	5. 500
GE1	5. 500	x	1	=	5. 500
Σ	70. 9 m				

j) Edge Joint Treatment, Extension of Molding Joint

L2	GE1–GE2	59. 900			=	59. 900
L3	GE1–GE2	59. 900			=	59. 900
R2	GE1–GE2	59. 900			=	59. 900
R3	GE1–GE2	59. 900			=	59. 900
GE1		5. 500	+	5. 500	=	11. 000
GE2		5. 500	+	5. 500	=	11. 000
Σ	261. 6 m					

k) Joint Filler

(5. 500 + 5. 500) x 59. 850	=	658. 4 m2

I) Catch Pit

MASU

I

set

3

(b) PF. 5–PF. 7

a) Pipe Length

VP (200A)

PF. 5–PF. 6 (L)

DRL1	1. 749	–	0. 520		=	1. 229

DRL2	1. 240	–	0. 520		=	0. 720

	25. 011	+	0. 646	+	0. 372		=	26. 029

PF. 6–PF. 7 (L)

DRL3	1. 462	–	0. 520		=	1. 982

DRL4	1. 140	–	0. 520		=	1. 660

DRL5	1. 240	–	0. 520		=	1. 760

DRL6	1. 518	–	0. 520		=	2. 038

	10. 004	+	0. 931	+	0. 372	+	16. 267		=	27. 574

Σ	63. 0 m

b) Straight Pipe

VP (200A)

PF. 5–PF. 6 (L)	4. 302	+	18. 309		=	22. 611

PF. 6–PF. 7 (L)	8. 005	+	4. 302	+	8. 604		=	20. 911

Σ	43. 5 m

c) Curve Pipe

VP (200A)

T1	No.	2

T2	No.	3

T4	No.	1

d) Expansion Joint

VP (200A)	EX	HORIZONTAL PULLING	No.	3

	EX-S	VERTICAL PULLING	No.	2

e) End Cap

VP (200A)	No.	2

f) Device for Flexible Tube

SD	set	9

g) Flexible Tube

ø20 (SUS304)

PF. 5-PF. 6 (L)

SDR1	1. 600			=	1. 600
SDR2	1. 622	-	0. 470	=	1. 152
SDR3	1. 495	-	0. 470	=	1. 025
SDR4	1. 367	-	0. 470	=	0. 897
SDL5	1. 113	-	0. 470	=	0. 643
PF. 6-PF. 7 (L)					
SDL6	1. 301	-	0. 470	=	0. 831
SDL7	1. 101	-	0. 470	=	0. 631
SDL8	1. 379	-	0. 470	=	0. 909
SDL9	1. 540	-	0. 470	=	1. 070

Σ	8. 8 m

h) Flexible Tube Joint ø20

No.	8

i) Drain Pipe on Deck Slab ø20

L2	59. 900	x	1	=	59. 900
GE1	5. 500	x	2	=	11. 000
GE2	5. 500	x	2	=	11. 000
Σ	81. 9 m				

j) Edge Joint Treatment, Extension of Molding Joint

L2	GE1-GE2	59. 900		=	59. 900
L3	GE1-GE2	59. 900		=	59. 900
R2	GE1-GE2	59. 900		=	59. 900
R3	GE1-GE2	59. 900		=	59. 900
GE1		5. 500	+	5. 500	= 11. 000
GE2		5. 500	+	5. 500	= 11. 000
Σ					261. 6 m

k) Joint Filler

(	5. 500	+	5. 500	) x	59. 900	=	658. 9 m2

I) Catch Pit

MASU

I

set

6

(c) PF. 7–PF. 11

a) Pipe Length

VP (200A)

PF. 7–PF. 8 (L)

DRL1	1. 471	–	0. 520					=	0. 951
DRL2	1. 305	–	0. 520					=	0. 785
DRL3	1. 240	–	0. 520					=	0. 720
DRL4	1. 140	–	0. 520					=	0. 620
DRL5	1. 274	–	0. 520					=	0. 754
DRL6	1. 408	–	0. 520					=	0. 888

$$10. 004 + 1. 300 + 0. 171 + 0. 818 + 0. 372 + 15. 007 = 27. 672$$

PF. 8–PF. 9 (L)

DRL7	1. 510	–	0. 520					=	2. 030
DRL8	1. 140	–	0. 520					=	1. 660
DRL9	1. 240	–	0. 520					=	1. 760

$$10. 004 + 0. 026 + 0. 871 + 0. 372 + 15. 007 = 26. 280$$

PF. 9–PF. 10 (L)

DRL10	1. 469	–	0. 520					=	0. 949
DRL11	1. 140	–	0. 520					=	0. 620
DRL12	1. 240	–	0. 520					=	0. 720

$$10. 004 + 0. 043 + 0. 896 + 0. 372 + 15. 007 = 26. 322$$

PF. 10–PF. 11 (L)

DRL13	1. 469	–	0. 520					=	1. 989
DRL14	1. 140	–	0. 520					=	1. 660
DRL15	1. 240	–	0. 520					=	1. 760
DRL16	1. 469	–	0. 520					=	1. 989

$$10. 004 + 0. 043 + 0. 896 + 0. 372 + 15. 007 + 1. 001 + 0. 372 = 27. 695$$

$$\Sigma (L) \quad 127. 8 \text{ m}$$

PF. 7–PF. 8 (R)								
DRR1	1. 140	–	0. 520				=	0. 620

	5. 002						=	5. 002

PF. 8–PF. 9 (R)								
DRL2	1. 269	–	0. 520				=	1. 789
DRL3	1. 140	–	0. 520				=	1. 660
DRL4	1. 240	–	0. 520				=	1. 760

	10. 004	+	0. 242	+	0. 901	+	0. 372	+	15. 007	=	26. 526

PF. 9–PF. 10 (R)								
DRL5	1. 469	–	0. 520				=	0. 949
DRL6	1. 140	–	0. 520				=	0. 620
DRL7	1. 240	–	0. 520				=	0. 720

	10. 004	+	0. 043	+	0. 896	+	0. 372	+	15. 007	=	26. 322

PF. 10–PF. 11 (R)								
DRL8	1. 469	–	0. 520				=	1. 989
DRL9	1. 140	–	0. 520				=	1. 660
DRL10	1. 240	–	0. 520				=	1. 760
DRL11	1. 469	–	0. 520				=	1. 989

	10. 004	+	0. 043	+	0. 896	+	0. 372	+	15. 007		
							+	1. 001	+	0. 372	= 27. 695

Σ (R)	101. 1 m

Σ (L) + Σ (R)	228. 9 m

b) Straight Pipe

VP (200A)											
PF. 7-PF. 8 (L)	3. 302	+	3. 302	+	3. 302	+	3. 602	+	3. 302	=	16. 810
PF. 8-PF. 9 (L)	8. 005	+	4. 302	+	8. 604					=	20. 911
PF. 9-PF. 10 (L)	8. 005	+	4. 302	+	8. 004					=	20. 311
PF. 10-PF. 11 (L)	8. 005	+	4. 302	+	8. 005					=	20. 312
PF. 7-PF. 8 (R)	3. 002									=	3. 002
PF. 8-PF. 9 (R)	8. 005	+	4. 302	+	8. 604					=	20. 911
PF. 9-PF. 10 (R)	8. 005	+	4. 302	+	8. 004					=	20. 311
PF. 10-PF. 11 (R)	8. 005	+	4. 302	+	8. 005					=	20. 312
										Σ	142. 9 m

c) Curve Pipe

VP (200A)			
T1	No.	2	
T2	No.	9	
T4	No.	9	
T5	No.	7	

d) Expansion Joint

VP (200A)	EX	HORIZONTAL PULLING	No.	19
	EX-S	VERTICAL PULLING	No.	9

e)End Cap

VP (200A)	No.	6

f) Device for Flexible Tube

SD	set	21

g) Flexible Tube

ø20 (SUS304)

PF. 7-PF. 11 (L)

SDL1	1. 600			=	1. 600
SDL2	1. 326	-	0. 470	=	0. 856
SDL3	1. 126	-	0. 470	=	0. 656
SDL4	1. 354	-	0. 470	=	0. 884
SDL5	1. 326	-	0. 470	=	0. 856
SDL6	1. 126	-	0. 470	=	0. 656
SDL7	1. 354	-	0. 470	=	0. 884
SDL8	1. 326	-	0. 470	=	0. 856
SDL9	1. 126	-	0. 470	=	0. 656
SDL10	1. 354	-	0. 470	=	0. 884
SDL11	1. 600			=	1. 600

PF. 7-PF. 11 (R)

SDR1	1. 326	-	0. 470	=	0. 856
SDR2	1. 126	-	0. 470	=	0. 656
SDR3	1. 354	-	0. 470	=	0. 884
SDR4	1. 326	-	0. 470	=	0. 856
SDR5	1. 126	-	0. 470	=	0. 656
SDR6	1. 354	-	0. 470	=	0. 884
SDR7	1. 326	-	0. 470	=	0. 856
SDR8	1. 126	-	0. 470	=	0. 656
SDR9	1. 354	-	0. 470	=	0. 884
SDR10	1. 600			=	1. 600

Σ 19. 2 m

h) Flexible Tube Joint ø20

No. 8

i) Drain Pipe on Deck Slab ø20

L2	119. 800	x	1	=	119. 800
R2	98. 600	x	1	=	98. 600
GE2	5. 500	x	1	=	5. 500
GE2	5. 500	x	1	=	5. 500
Σ					229. 4 m

j) Edge Joint Treatment, Extension of Molding Joint

L2	GE1-GE2	119. 800		=	119. 800
L3	GE1-GE2	119. 800		=	119. 800
R2	GE1-GE2	119. 800		=	119. 800
R3	GE1-GE2	119. 800		=	119. 800
GE1		5. 500	+	5. 500	= 11. 000
GE2		5. 500	+	5. 500	= 11. 000
				Σ	501. 2 m

k) Joint Filler

$$(5.500 + 5.500) \times 119.800 = 1317.8 \text{ m}^2$$

l) Catch Pit

MASU I set 27

(d) PF. 14-AF. 2

a) Pipe Length

VP (200A)

PF. 14-AF. 2 (L)

DRL1	1. 240	-	0. 520				=	0. 720
DRL2	1. 240	-	0. 520				=	0. 720
DRL3	1. 230	-	0. 520				=	0. 710

$$25.011 + 1.140 + 0.372 + 25.011 + 1.13 + 0.372 = 53.036$$

PF. 14-AF. 2 (R)

DRR1	1. 240	-	0. 520				=	0. 720
DRR2	1. 240	-	0. 520				=	0. 720
DRR3	1. 230	-	0. 520				=	0. 710

$$25.011 + 1.140 + 0.372 + 25.011 + 1.13 + 0.372 = 53.036$$

Σ 110. 4 m

b) Straight Pipe

VP (200A)

PF. 14-AF. 2 (L)	14. 307	+	7. 504	+	4. 302	+	18. 009	=	44. 122
PF. 14-AF. 2 (R)	14. 307	+	7. 504	+	4. 302	+	18. 009	=	44. 122

Σ 88. 2 m

c) Curve Pipe

VP (200A)

T1	No.	2
T2	No.	4
T3	No.	2

d) Expansion Joint

VP (200A)	EX	HORIZONTAL PULLING	No.	4
	EX-S	VERTICAL PULLING	No.	4

e) End Cap

VP (200A)	No.	4

f) Device for Flexible Tube

SD	set	20

g) Flexible Tube

ø20 (SUS304)

PF. 7-PF. 11 (L)

SDL1-9	(	1. 230	-	0. 470	) x	10	=	7. 600
SDL10		1. 600					=	1. 600

PF. 7-PF. 11 (R)

SDL1-9	(	1. 230	-	0. 470	) x	10	=	7. 600
SDL10		1. 600					=	1. 600

Σ	18. 4	m

h) Flexible Tube Joint ø20

No.	8

i) Drain Pipe on Deck Slab ø20

L2	59. 900	x	1	=	59. 900
R2	59. 900	x	1	=	59. 900
GE2	5. 500	x	1	=	5. 500
GE2	5. 500	x	1	=	5. 500
Σ	130. 8	m			

j) Edge Joint Treatment, Extension of Molding Joint

L2	GE1-GE2	59. 900		=	59. 900	
L3	GE1-GE2	59. 900		=	59. 900	
R2	GE1-GE2	59. 900		=	59. 900	
R3	GE1-GE2	59. 900		=	59. 900	
GE1		5. 500	+	5. 500	=	11. 000
GE2		5. 500	+	5. 500	=	11. 000
Σ					261. 6	m

k) Joint Filler

(	5. 500	+	5. 500	) x	59. 850	=	658. 4	m2

l) Catch Pit

MASU	I	set	6

Contracted Word

• 1.4 Weight of Steel Material Weight

Large Shape Piece	: Large Shape
Small Shape Piece	: Small Shape
Materials Single Number	: Number
Accessory Small Shape Piece	: Acc Small
Other Accessories	: Other Acc
Butt Welded Joint Of Steel Plate	: Butt Joint
The Tee-Fitting Weld Length	: Tweld Length
Unit Weight	: U. Weight
One Set Of Weight	: S. Weight
Large	: L
Small	: S
Small Shape Single Weight	: S. W
Buying	: B
Length	: Lg
Number	: Nb
Materials	: Mtls
Materials Initial	: Mtas. I
Comment	: Cmt
Assortment	: Am
Element	: Elt
Abstract	: Abs

§3 Expantion Joint
1-1. Summary of Quantity

	Specification	Unit	Quantity	Remarks
Expantion Joint	AF1	m	11.5	
	PF2	m	11.5	
	PF5	m	11.5	
	PF7	m	11.5	
	PF11	m	11.5	
	PF14	m	11.5	
	AF2	m	11.5	

1-2. Material Table

1) AF1

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	80 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	13.27	D13 × 290 × 46 Nos.
7	REINFORCING BAR	SD345	kg	34.79	D13 × 760 × 46 Nos.
8	REINFORCING BAR	SD345	kg	13.96	D13 × 305 × 46 Nos.
9	REINFORCING BAR	SD345	kg	35.47	D13 × 775 × 46 Nos.
10	REINFORCING BAR	SD345	kg	187.20	D16 × 6.0m × 20 Nos.
11	BURIED FORMWORK	Polystyrene foam	m ³	0.19	100 × 150 × 12.7m
12	POST-CAST CONCRETE	High strength concrete	m ³	2.50	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

21	EMBEDDED BAR	SD345	kg	43.41	D16 × 605 × 46 Nos.
22	EMBEDDED BAR	SD345	kg	77.14	D16 × 1075 × 46 Nos.

2) PF2

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	320 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	55.97	D16 × 390 × 92 Nos.
7	REINFORCING BAR	SD345	kg	63.15	D16 × 440 × 92 Nos.
8	REINFORCING BAR	SD345	kg	162.00	D19 × 6.0m × 12 Nos.
9	BURIED FORMWORK	Polystyrene foam	m ³	0.76	400 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	2.66	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

11	EMBEDDED BAR	SD345	kg	110.51	D16 × 770 × 92 Nos.

3) PF5

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	320 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	55.97	D16 × 390 × 92 Nos.
7	REINFORCING BAR	SD345	kg	63.15	D16 × 440 × 92 Nos.
8	REINFORCING BAR	SD345	kg	162.00	D19 × 6.0m × 12 Nos.
9	BURIED FORMWORK	Polystyrene foam	m ³	0.76	400 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	2.66	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

11	EMBEDDED BAR	SD345	kg	110.51	D16 × 770 × 92 Nos.

4) PF7

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.510	110 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	26.55	D13 × 290 × 92 Nos.
7	REINFORCING BAR	SD345	kg	28.38	D13 × 310 × 92 Nos.
8	REINFORCING BAR	SD345	kg	112.32	D16 × 6.0m × 12 Nos.
9	BURIED FORMWORK	Polystyrene foam	m ³	0.29	150 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	1.56	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

11	EMBEDDED BAR	SD345	kg	90.42	D16 × 630 × 92 Nos.

5) PF11

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	160 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	61.71	D16 × 430 × 92 Nos.
7	REINFORCING BAR	SD345	kg	66.02	D16 × 460 × 92 Nos.
8	REINFORCING BAR	SD345	kg	162.00	D19 × 6.0m × 12 Nos.
9	BURIED FORMWORK	Polystyrene foam	m ³	0.44	230 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	2.24	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

11	EMBEDDED BAR	SD345	kg	109.08	D16 × 760 × 92 Nos.

6) PF14

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	230 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	55.97	D16 × 390 × 92 Nos.
7	REINFORCING BAR	SD345	kg	61.71	D16 × 430 × 92 Nos.
8	REINFORCING BAR	SD345	kg	162.00	D19 × 6.0m × 12 Nos.
9	BURIED FORMWORK	Polystyrene foam	m ³	0.57	300 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	2.35	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

11	EMBEDDED BAR	SD345	kg	104.77	D16 × 730 × 92 Nos.

7) AF2

MATERIALS LIST					(1 Place par)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	80 TYPE
2	UPSTAND		pieces	4	
3	COVER FOR CURB	SS400 or Equivalent	set	2	
4	COVER FOR BARRIER CURB	SUS304	set	2	t=2(include anchor)
5	COVER FOR MEDIAL DIVIDER	SS400 or Equivalent	set	1	
6	REINFORCING BAR	SD345	kg	13.27	D13 × 290 × 46 Nos.
7	REINFORCING BAR	SD345	kg	34.79	D13 × 760 × 46 Nos.
8	REINFORCING BAR	SD345	kg	13.96	D13 × 305 × 46 Nos.
9	REINFORCING BAR	SD345	kg	35.47	D13 × 775 × 46 Nos.
10	REINFORCING BAR	SD345	kg	187.20	D16 × 6.0m × 20 Nos.
11	BURIED FORMWORK	Polystyrene foam	m ³	0.19	100 × 150 × 12.7m
12	POST-CAST CONCRETE	High strength concrete	m ³	2.50	$\sigma_{ck}=36\text{N/mm}^2$

EMBEDDED BAR

21	EMBEDDED BAR	SD345	kg	43.41	D16 × 605 × 46 Nos.
22	EMBEDDED BAR	SD345	kg	77.14	D16 × 1075 × 46 Nos.

01-1-PC-I GIRDER BRIDGE
(AF1-PF2)

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	END 84

§1 Summary of Quantity
1-1. Summary of Total Quantity

(Part1)

	Specifiacion	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	4	Inner Girder
		No.	4	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m ³	232.9	
Form Area	For Side and Edge	m ²	1178.0	
	For Bottom	m ²	167.1	
PC Strand				
Length of PC Strand	7S15.2	m	1178.5	
Weight of PC Strand	7S15.2	kg	9084	
Length of Sheath	$\varnothing \text{ 65 mm}$	m	1178.5	
Length of Grout	$\varnothing \text{ 65 mm}$	m	1178.5	
Anchorage for PC Strand	7S15.2	set	80	
Reinforement Grid	7S15.2	set	80	
Stressing Work	7S15.2	No.	80	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	6639
		D16	kg	15650
		D13	kg	12512
		Total	kg	34801
Embedded Sheath for Cross Beam	$\varnothing \text{ 60 mm}$	m	67.2	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	36.9	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m ²	132.3	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	1046
		D16	kg	558
		D13	kg	616
		Total	kg	2220
PC Strand				
Length of PC Strand	4S15.2	m	269.0	
Weight of PC Strand	4S15.2	kg	1184	
Length of Sheath	$\varnothing \text{ 45 mm}$	m	203.8	
Length of Grout	$\varnothing \text{ 45 mm}$	m	269.0	
Anchorage for PC Strand	For 4S15.2	set	48	
Reinforement Grid	For 4S15.2	set	48	
Stressing Work	4S15.2	No.	48	
Fixing Device	4S15.2	No.	48	
Deck Slab				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	139.0	
Form Area	For Side, Edgeand Bottom	m ²	101.1	
Reinforcement Bar	SD345	D22	kg	13661
		D19	kg	34809
		D16	kg	5404
		D13	kg	1769
		Total	kq	55643

(Part2)

		Specifiacion		Unit	Quantity	Remarks
PC Plate						
Quantities for Each Size of PC Plate	1	998 × 2380 × 100		No.	150	Standard Plate
	2	736 × 2380 × 100		No.	6	Standard Plate
	3	737 × 2380 × 100		No.	6	Adjustment Plate
	4	749 × 2380 × 100		No.	6	Standard Plate
	5	750 × 2380 × 100		No.	6	Adjustment Plate
Concrete Volume		σ _{ck} = 40 N/mm ²		m ³	38.4	
Form Area		For Side, Edge and Bottom		m ²	517.0	
PC Plate Area				m ²	399.5	
Joint Filler		Sponge Tape		m	335.7	15 mm × 10 mm
Filling Material for Cutout Part		Non-Shrinkage Mortar		m ³	1.007	
Joint Sealing Material		Non-Shrinkage Mortar		m ³	0.170	
Length of PC Strand		1S9.3		m	6211.8	
Weight of PC Strand		1S9.3		kg	2516	
Reinforcement Bar		SD345	D10	kg	3080	
			Total	kg	3080	
Connecting Part						
Concrete Volume		σ _{ck} = 30 N/mm ²		m ³	36.2	Connecting Part
Form Area		For Side, Edge and Bottom		m ²	51.7	Connecting Part
Reinforcement Bar		SD345	D22	kg	1727	
			D19	kg	0	
			D16	kg	4298	
			D13	kg	197	
			Total	kg	6222	
Scaffolding						
Scaffolding Under Main Girder				m ²	765.0	
Side Scaffolding				m	60.0	
Bridge Surface						
Karb and Barrier						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	58.3	
Form Area		For Side, Edge and Bottom		m ²	308.5	
Contraction Joint		t= 10 mm		m ²	1.5	
V cut				ℓ	16.0	
Reinforcement Bar		SD345	D22	kg	0	
			D19	kg	0	
			D16	kg	4594	
			D13	kg	4273	
			Total	kg	8867	
Pavement						
Asphalt Pavement		t= 80 mm		m ²	658.4	Carriageway
Adjustment Concrete		σ _{ck} = 18 N/mm ²		m ³	4.8	Carriageway
Lighting Post Foundation						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	0.9	
Form Area		For Side and Edge		m ²	5.2	
Reinforcement Bar		SD345	D13	kq	80	

(Part3)

	Specifiaction	Unit	Quantity	Remarks
Bearing				
Rubber Bearing	520×520×112	No.	4	AF.1
	520×470×92	No.	8	PF.1
	520×470×92	No.	4	PF.2
Anti-Corrosion Anchor system	φ60×1220	kg	163	AF.1
	φ85×1720	kg	459	PF.1
	φ60×1220	kg	163	PF.2
Anti-Corrosion Material (CR Sponge)	200×300×20	No.	6	AF.1
	200×200×20	No.	6	PF.1
	200×200×20	No.	6	PF.2
Reinforcement Grid	SD345 D10	kg	32	AF.1
		kg	56	PF.1
		kg	28	PF.2
Bed Mortar for Bearing	Non-Shrinkage Mortar	m ³	0.1	AF.1
		m ³	0.3	PF.1
		m ³	0.1	PF.2
Mortar for Anchor Halls	Non-Shrinkage Mortar	m ³	0.1	AF.1
		m ³	0.3	PF.1
		m ³	0.1	PF.2

1-2. AF1 ~ PF1 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	116.2	
Form Area	For Side and Edge	m^2	588.2	
	For Bottom	m^2	83.5	
PC Strand				
Length of PC Strand	7S15.2	m	588.8	
Weight of PC Strand	7S15.2	kg	4538	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	588.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	588.8	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3317
		D16	kg	7822
		D13	kg	6251
		Total	kg	17390
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	33.6	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.5	End and Intermediate Cross Beam
Form Area	for Side, Edge and Bottom	m^2	67.2	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	523
		D16	kg	279
		D13	kg	308
		Total	kg	1110

(Part2)

	Specifiaction		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	134.5	
Weight of PC Strand	4S15.2		kg	592	
Length of Sheath	φ 45 mm		m	101.9	
Length of Grout	φ 45 mm		m	134.5	
Anchorage for PC Strand	4S15.2		set	24	
Reinforcement Grid	4S15.2		set	24	
Stressing Work	4S15.2		No.	24	
Fixing Device	4S15.2		No.	24	
Deck Slab					
Concrete Volume	σ _{ck} = 30 N/mm ²		m ³	69.4	
Form Area	For Side, Edge and Bottom		m ²	50.5	
Reinforcement Bar	SD345	D22	kg	13661	
		D19	kg	34809	
		D16	kg	5404	
		D13	kg	1769	
		Total	kg	55643	
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	75	Standard Plate
	2	736 × 2380 × 100	No.	6	Standard Plate
	3	737 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σ _{ck} = 40 N/mm ²		m ³	19.2	
Form Area	For Side, Edge and Bottom		m ²	258.3	
PC Plate Area			m ²	199.6	
Joint Filler	Sponge Tape		m	167.7	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.503	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.085	
Length of PC Strand	1S9.3		m	3105.9	
Weight of PC Strand	1S9.3		kg	1258	
Reinforcement Bar	SD345	D10	kg	1540	
		Total	kg	1540	

2. Summary of Quantity for Each Main Girder

• G1 Girder

	Specifiaction	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.55	$W = 73.88 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	148.89	
	For Bottom	m^2	21.13	
PC Strand				
Length of PC Strand	7S15.2	m	149.1	
Weight of PC Strand	7S15.2	kg	1149	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	149.1	
Length of Grout	$\phi \ 65 \text{ mm}$	m	149.1	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G2 Girder

	Specifiaction	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.98	$W = 72.44 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	147.64	
	For Bottom	m^2	20.96	
PC Strand				
Length of PC Strand	7S15.2	m	147.8	
Weight of PC Strand	7S15.2	kg	1139	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.8	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G3 Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.77	W = 71.92 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	146.41	
	For Bottom	m^2	20.79	
PC Strand				
Length of PC Strand	7S15.2	m	146.6	
Weight of PC Strand	7S15.2	kg	1130	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	146.6	
Length of Grout	$\phi \ 65 \text{ mm}$	m	146.6	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G4 Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.91	W = 72.27 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	145.21	
	For Bottom	m^2	20.61	
PC Strand				
Length of PC Strand	7S15.2	m	145.3	
Weight of PC Strand	7S15.2	kg	1120	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	145.3	
Length of Grout	$\phi \ 65 \text{ mm}$	m	145.3	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	839 kg	833 kg	826 kg	819 kg
D16	1955 kg	1985 kg	1970 kg	1912 kg
D13	1578 kg	1571 kg	1560 kg	1542 kg
Total	4372 kg	4389 kg	4356 kg	4273 kg

1-3. PF1 ~ PF2 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	116.7	
Form Area	For Side and Edge	m^2	589.8	
	For Bottom	m^2	83.6	
PC Strand				
Length of PC Strand	7S15.2	m	589.7	
Weight of PC Strand	7S15.2	kg	4546	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	589.7	
Length of Grout	$\phi \ 65 \text{ mm}$	m	589.7	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3322
		D16	kg	7828
		D13	kg	6261
		Total	kg	17411
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	33.6	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.4	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	65.1	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	523
		D16	kg	279
		D13	kg	308
		Total	kg	1110

(Part2)

	Specifiaction		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	134.5	
Weight of PC Strand	4S15.2		kg	592	
Length of Sheath	φ 45 mm		m	101.9	
Length of Grout	φ 45 mm		m	134.5	
Anchorage for PC Strand	4S15.2		set	24	
Reinforcement Grid	4S15.2		set	24	
Stressing Work	4S15.2		No.	24	
Fixing Device	4S15.2		No.	24	
Deck Slab					
Concrete Volume	σck = 30 N/mm ²		m ³	69.6	
Form Area	For Side, Edge and Bottom		m ²	50.6	
Reinforcement Bar	SD345		kg	—	Shall Include Quantity between AF1~PF1
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	75	Standard Plate
	4	749 × 2380 × 100	No.	6	Standard Plate
	5	750 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σck = 40 N/mm ²		m ³	19.2	
Form Area			m ²	258.7	
PC Plate Area			m ²	199.9	
Joint Filler	Sponge Tape		m	168.0	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.504	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.085	
Length of PC Strand	1S9.3		m	3105.9	
Weight of PC Strand	1S9.3		kg	1258	
Reinforcement Bar	SD345	D10	kg	1540	
		Total	kg	1540	

2. Summary of Quantity for Each Main Girder

• G1 Girder

	Specifiaction	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.66	$W = 74.16 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	149.24	
	For Bottom	m^2	21.16	
PC Strand				
Length of PC Strand	7S15.2	m	149.2	
Weight of PC Strand	7S15.2	kg	1150	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	149.2	
Length of Grout	$\phi \ 65 \text{ mm}$	m	149.2	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G2 Girder

	Specifiaction	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.10	$W = 72.74 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	148.04	
	For Bottom	m^2	20.99	
PC Strand				
Length of PC Strand	7S15.2	m	148.0	
Weight of PC Strand	7S15.2	kg	1141	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	148.0	
Length of Grout	$\phi \ 65 \text{ mm}$	m	148.0	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G3 Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.89	W = 72.23 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	146.85	
	For Bottom	m^2	20.82	
PC Strand				
Length of PC Strand	7S15.2	m	146.8	
Weight of PC Strand	7S15.2	kg	1132	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	146.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	146.8	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• G4 Girder

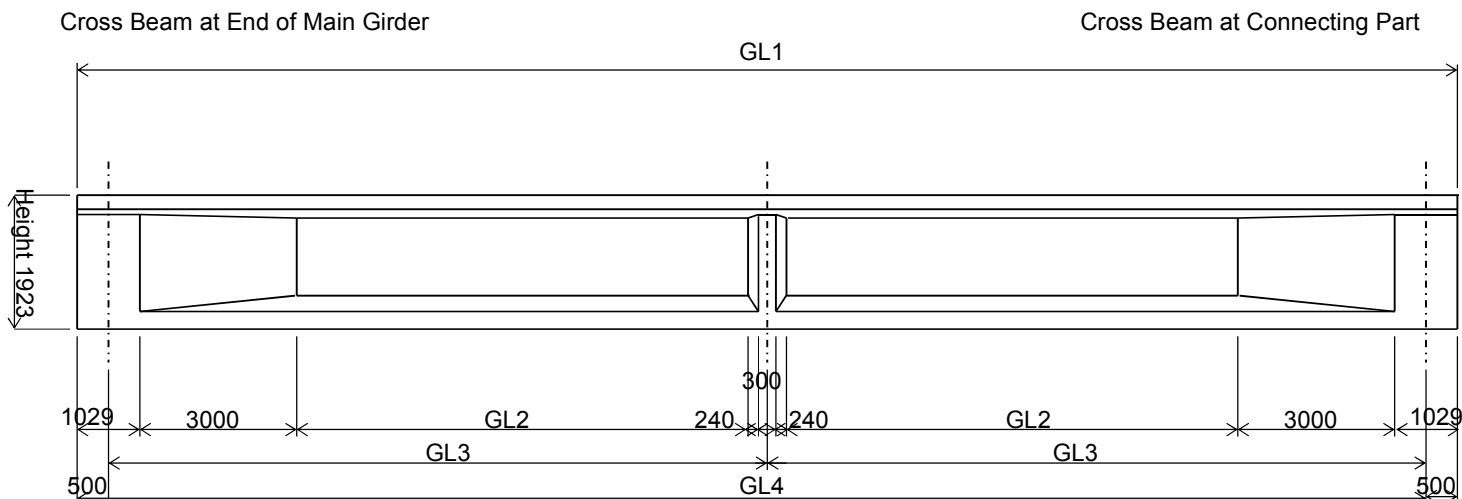
	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.04	W = 72.61 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	145.69	
	For Bottom	m^2	20.66	
PC Strand				
Length of PC Strand	7S15.2	m	145.7	
Weight of PC Strand	7S15.2	kg	1123	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	145.7	
Length of Grout	$\phi \ 65 \text{ mm}$	m	145.7	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	840 kg	834 kg	827 kg	821 kg
D16	1956 kg	1986 kg	1972 kg	1914 kg
D13	1579 kg	1574 kg	1562 kg	1546 kg
Total	4375 kg	4394 kg	4361 kg	4281 kg

§2 AF1-PF1 Quantity Calculation
2-1. Main Girder

(AF1 ~ PF1 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Girder Length (mm)

	GL1	GL2	GL3	GL4
G1	30190	10676	14595	29190
G2	29941	10552	14471	28941
G3	29693	10427.5	14347	28693
G4	29444	10303	14222	28444

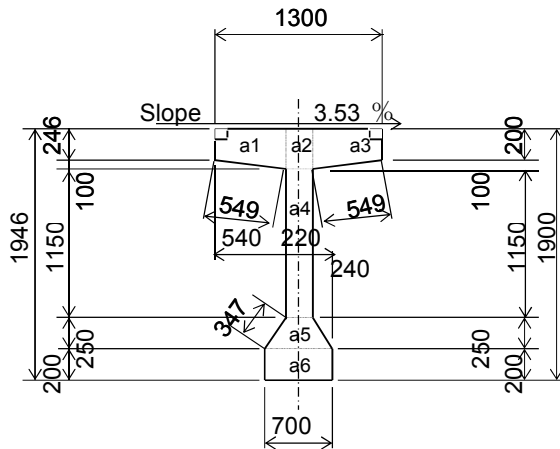
• Part Length (m)

	Standard	Cross Beam	Widening	Total
	L0	L1	L2	ΣLg
G1	21.352	2.358	6.480	30.190
G2	21.103	2.358	6.480	29.941
G3	20.855	2.358	6.480	29.693
G4	20.606	2.358	6.480	29.444

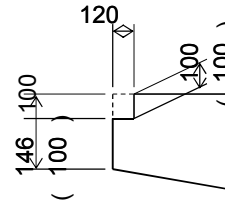
- Angle
 - Start Point θ1 = 92.016389
 - End Point θ2 = 87.955556
 - Cross Beam θ3 = 89.985833
- Number of Intermediate Cross Beam
 - Ny1 = 1
- Number of Main Girder
 - Outer Girder : 2
 - Inner Girder : 2
- Length of Standard Part
 - $L0 = GL2 \times 1 + GL2 \times 1$
- Length of Cross Beam Part
 - $L1 = 1.029 + 1.029 + 0.300 \times 1 = 2.358 \text{ m}$
- Length of Widening Part
 - $L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.246 + 0.327) \times 0.540 &= 0.1547 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.327 + 0.319) \times 0.220 &= 0.0711 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.319 + 0.200) \times 0.540 &= 0.1401 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.150 + 1.150) \times 0.220 &= 0.2530 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.200 &= 0.1400 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8499 \text{ m}^2
 \end{aligned}$$

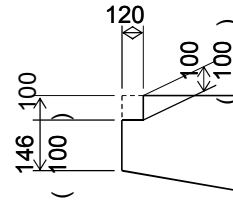
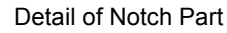
• Calculation of Perimeter of Form (Side)

$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.146 + 0.100 + 0.549 + 0.549 \\
 &+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.938 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i1' = 0.700 \text{ m}$$

2) Standard Part (Outer Girder)



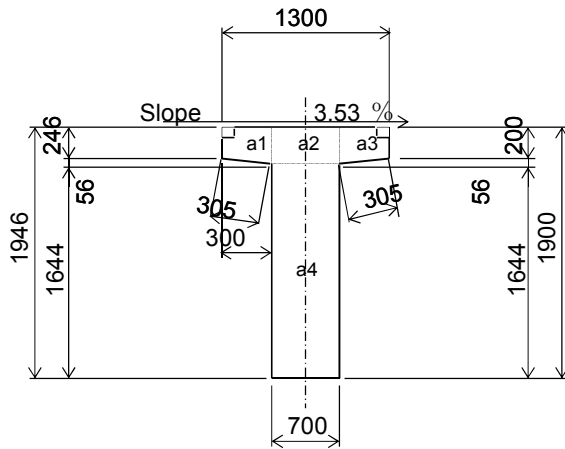
- Calculation of Cross Section Area

$$a_1 = 0.8739 + -0.0120 = 0.8619 \text{ m}^2$$

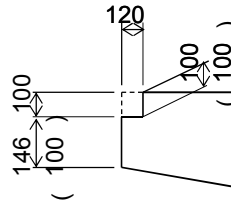
$$I1 = 0.246 + 0.100 + 0.100 + 0.549 + 0.549 + 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.938 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.246 + 0.291) \times 0.300 &= 0.0806 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.291 + 0.267) \times 0.700 &= 0.1953 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.267 + 0.200) \times 0.300 &= 0.0701 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.644 + 1.644) \times 0.700 &= 1.1508 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.4728 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

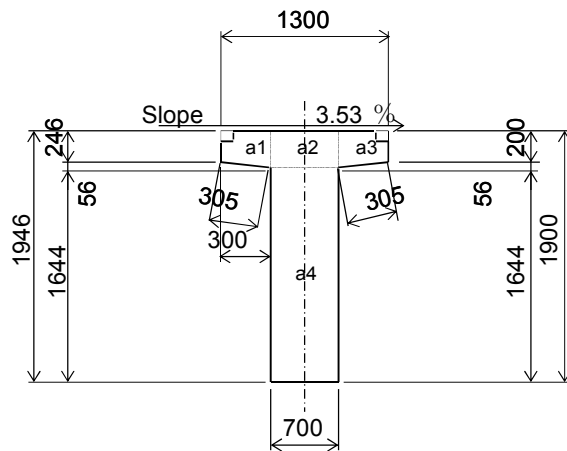
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.146 + 0.100 + 0.305 \\
 &+ 0.305 + 1.644 + 1.644 &= 4.344 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

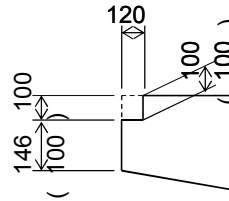
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.4968 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.4968 + -0.0120 = 1.4848 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

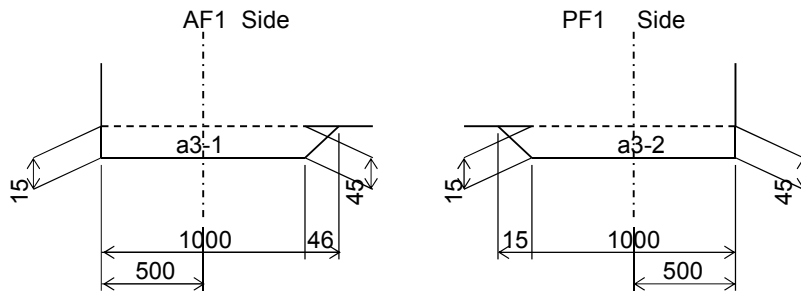
$$\begin{aligned} i2 &= 0.246 + 0.100 + 0.100 + 0.305 + 0.305 \\ &\quad + 1.644 + 1.644 = 4.344 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.015 + 0.045) \times 1.000 + 1 / 2 \\
 &\quad \times 0.045 \times 0.046 = 0.0310 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.045 + 0.015) \times 1.000 + 1 / 2 \\
 &\quad \times 0.015 \times 0.015 = 0.0301 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0310 \times 0.700 = 0.022 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0301 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0310 + 0.015 \times 0.700 \times 1.000620 = 0.073 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0301 + 0.045 \times 0.700 \times 1.000637 = 0.092 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Calculation of Concrete Volume

$$V1-1 = a1 \times L0 \quad (= \text{Standard Part})$$

$$V1-2 = a2 \times L1 \quad (= \text{Cross Section Part})$$

$$V1-3 = 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part})$$

$$V1-4 = v-1 + v-2 \quad (= \text{Rare Concrete})$$

Summary of Concrete Volume					(m ³)
	Standard	Supporting	Widening	Rare	Total
G1	18.403	3.501	7.603	0.043	29.550
G2	17.935	3.473	7.526	0.043	28.977
G3	17.725	3.473	7.526	0.043	28.767
G4	17.760	3.501	7.603	0.043	28.907

2) Calculation of Main Girder Weight

• G1 Girder

$$W = V \times \gamma = 29.550 \times 2.50 \text{ t/m}^3 = 73.88 \text{ t}$$

• G2 Girder

$$W = V \times \gamma = 28.977 \times 2.50 \text{ t/m}^3 = 72.44 \text{ t}$$

• G3 Girder

$$W = V \times \gamma = 28.767 \times 2.50 \text{ t/m}^3 = 71.92 \text{ t}$$

• G4 Girder

$$W = V \times \gamma = 28.907 \times 2.50 \text{ t/m}^3 = 72.27 \text{ t}$$

2. Form Area

$$\begin{aligned} \text{Angle of Start Point } \theta_1 &= 92.016389 & k_1 &= 1 / \sin \theta_1 = 1.000620 \\ \text{Angle of End Point } \theta_2 &= 87.955556 & k_2 &= 1 / \sin \theta_2 = 1.000637 \end{aligned}$$

1) Side Form

$$A1-1 = i_1 \times L_0 \quad (= \text{Standard Part})$$

$$A1-2 = i_2 \times L_1 \quad (= \text{Supporting Part})$$

$$A1-3 = 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part})$$

$$A1-4 = a-1 + a-2 \quad (= \text{Rare Concrete})$$

2) Edge Form

$$A2 = a_2 \times (k_1 + k_2)$$

3) Bottom Form

$$A3-1 = i_1' \times L_0 \quad (= \text{Standard Part})$$

$$A3-2 = i_2' \times L_1 \quad (= \text{Supporting and Connecting Part})$$

$$A3-3 = 1 / 2 \times (i_1' + i_2') \times L_2 \quad (= \text{Widening Part})$$

4) Total

Summary of Form (m²)

	Side Form					Edge Form	Total
	Standard	Supporting	Widening	Rare	Total		
G1	105.436	10.243	30.074	0.165	145.918	2.971	148.889
G2	104.207	10.243	30.074	0.165	144.689	2.947	147.636
G3	102.982	10.243	30.074	0.165	143.464	2.947	146.411
G4	101.752	10.243	30.074	0.165	142.234	2.971	145.205

(m²)

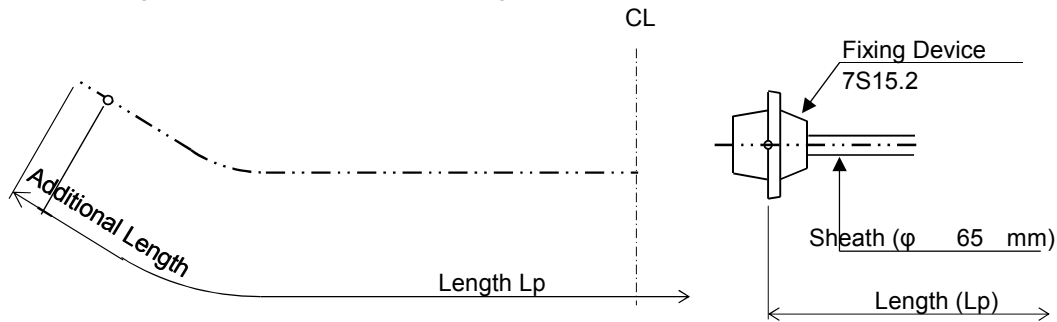
	Bottom Form			
	Standard	Supporting	Widening	Total
G1	14.946	1.651	4.536	21.133
G2	14.772	1.651	4.536	20.959
G3	14.599	1.651	4.536	20.786
G4	14.424	1.651	4.536	20.611

3. PC Strand

- G1 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.870	1	29.870
C2	29.845	1	29.845
C3	29.818	1	29.818
C4	29.781	1	29.781
C5	29.741	1	29.741
Total	—	5	149.055

- Length (Except Additional Length)

$$\Sigma L1 = 149.055 \quad = \quad 149.055 \text{ m}$$

3) Weight of PC Strand

- Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 149.055 \times 7.707 \text{ kg/m} = 1148.767 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 149.055 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 149.055 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

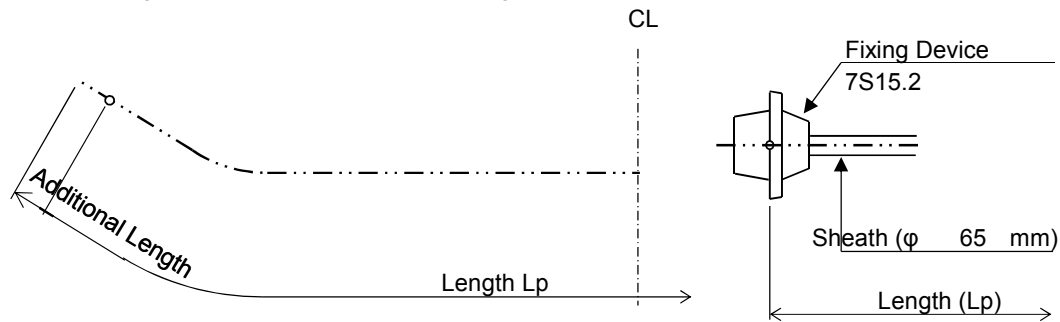
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G2 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.621	1	29.621
C2	29.596	1	29.596
C3	29.569	1	29.569
C4	29.532	1	29.532
C5	29.492	1	29.492
Total	—	5	147.810

• Length (Except Additional Length)

$$\Sigma L1 = 147.810 \quad = \quad 147.810 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.810 \times 7.707 \text{ kg/m} = 1139.172 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.810 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.810 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

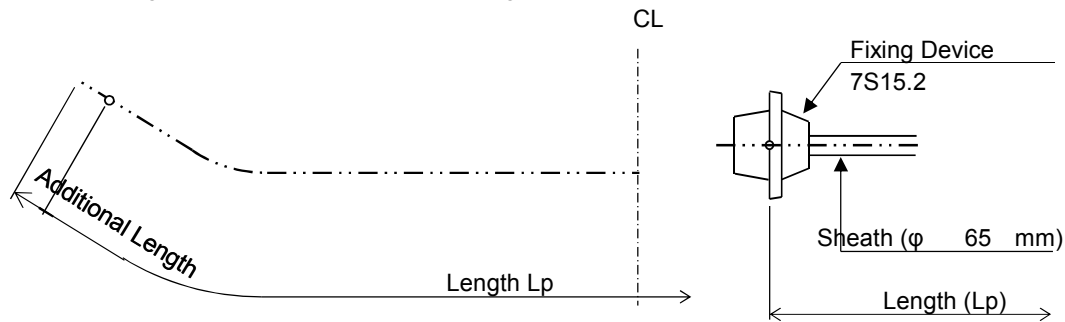
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G3 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.373	1	29.373
C2	29.348	1	29.348
C3	29.323	1	29.323
C4	29.284	1	29.284
C5	29.244	1	29.245
Total	—	5	146.573

• Length (Except Additional Length)

$$\Sigma L1 = 146.573 \quad = \quad 146.573 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 146.573 \times 7.707 \text{ kg/m} = 1129.638 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L_1 = 146.573 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L_1 = 146.573 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

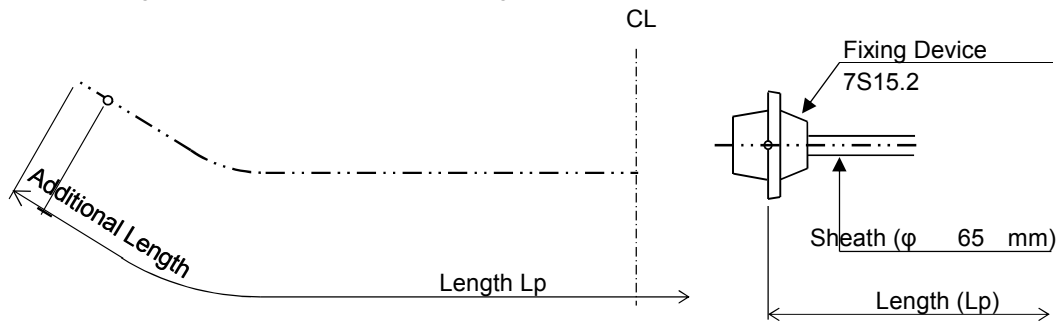
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G4 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.125	1	29.125
C2	29.100	1	29.100
C3	29.073	1	29.073
C4	29.036	1	29.036
C5	28.996	1	28.996
Total	—	5	145.330

• Length (Except Additional Length)

$$\Sigma L1 = 145.330 \quad = \quad 145.330 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 145.330 \times 7.707 \text{ kg/m} = 1120.058 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 145.330 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 145.330 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

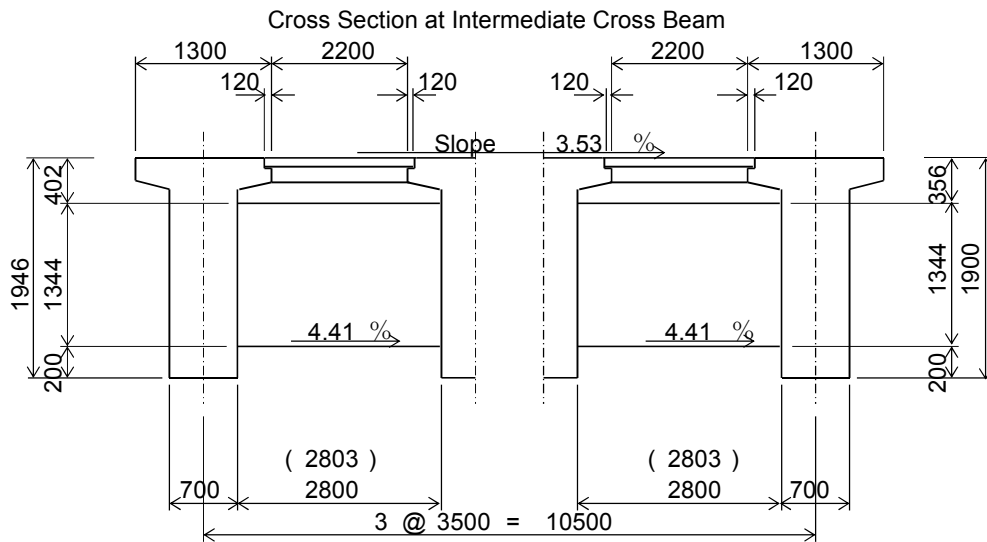
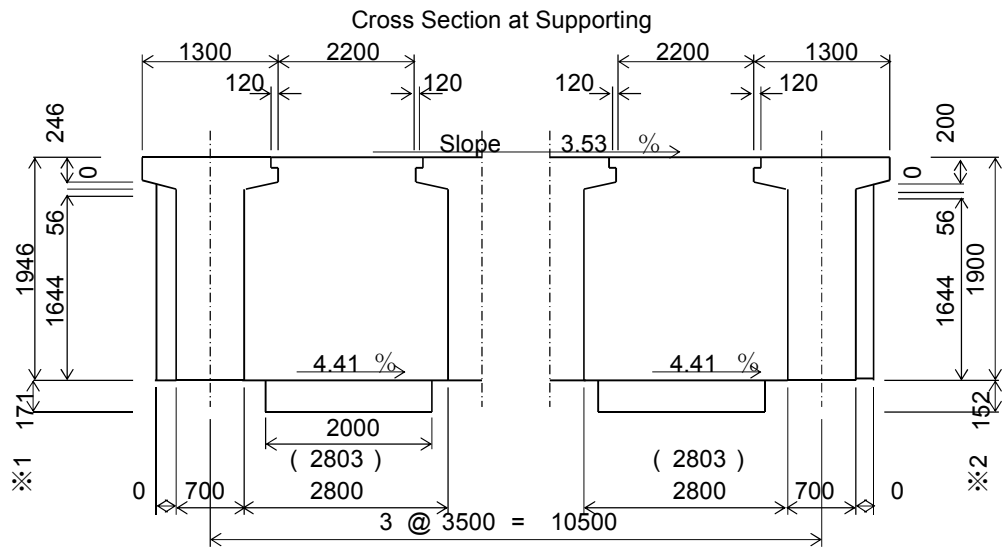
Specifiaction : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	839 kg	833 kg	826 kg	819 kg	3317 kg
D16	1955 kg	1985 kg	1970 kg	1912 kg	7822 kg
D13	1578 kg	1571 kg	1560 kg	1542 kg	6251 kg
Total	4372 kg	4389 kg	4356 kg	4273 kg	17390 kg

2-2. Cross Beam

1) Dimension of Cross Beam



Note...()is Calculated by Bottom Molding Box Length
Depended on Slope

2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.923 - 1.4728 = 5.2577 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.171 \times 2.000 = 0.3420 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.923 - 1.4728 = 5.2577 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.152 \times 2.000 = 0.3040 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = \frac{\text{Width of Cross Beam}}{a1+a2} \times \frac{\text{Number of Position}}{3}$$

$$= 5.5997 \times 0.900 \times 3 = 15.119 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = \frac{\text{Width of Cross Beam}}{a1'+a2'} \times \frac{\text{Number of Position}}{3}$$

$$= 5.5617 \times 0.950 \times 3 = 15.851 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = \frac{\text{Width of Cross Beam}}{a3} \times \frac{\text{Number of Position}}{3} \times \frac{\text{Number of Position}}{1} \times (\text{Bridge Axial Direction})$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.506 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 15.851 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 92.016389$ $k_1 = 1 / \sin \theta_1 = 1.000620$
 Angle of End Point $\theta_2 = 87.955556$ $k_2 = 1 / \sin \theta_2 = 1.000637$
 Angle of Intermediate Cross Beam $\theta_3 = 89.985833$ $k_3 = 1 / \sin \theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (2 \times k_1 \times 5.5997 + 2.803 \times 0.900 + 0.171) \times 3 = 42.111 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.2577 + 2.803 \times 0.950 + 0.152) \times 3 = 24.638 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.803 \times 0.300) \times 3 \times 1 = 25.102 \text{ m}^2$$

$$A1 = 67.213 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.638 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	523 kg	0 kg	523 kg
D16	279 kg	0 kg	279 kg
D13	98 kg	210 kg	308 kg
Total	900 kg	210 kg	1110 kg

Strand	4S15.2 mm (SWPR7BL)
Unit Weight	yp = 4.404 kg/m
Stressing Method	Bilateral Stressing
Number	Np = 12



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.207	4	44.828
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.207	6	67.242
Total	—	12	134.470

• Length (Except Additional Length)

$$\Sigma L1 = 134.470 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.470 \times 4.404 \text{ kg/m} = 592.206 \text{ kg}$$

3) Sheath Length

(1) Sheath between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{Width} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{Width} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 6 \\
 &\quad + (\text{Width} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 101.933 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 4 + k2 \times 6 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.404 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.470 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

7) Stressing Work (4S15.2)

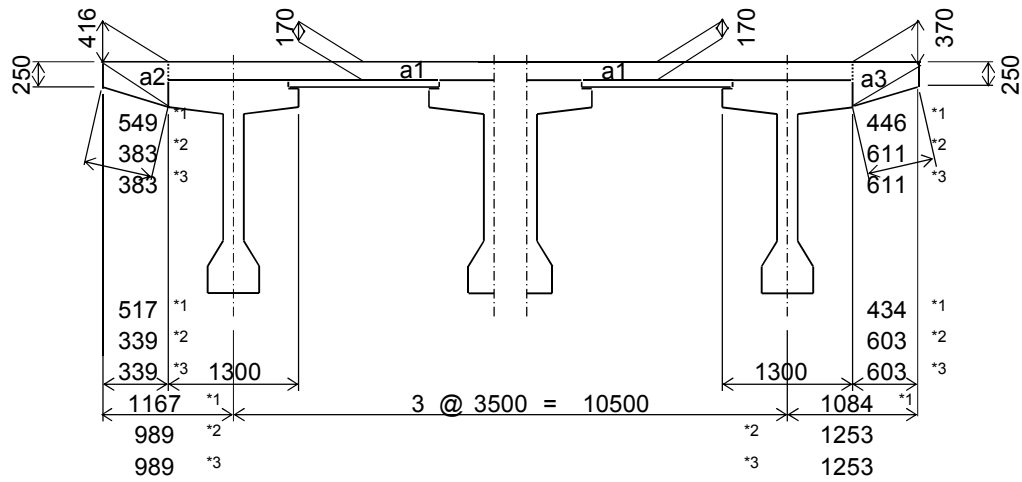
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

8) Fixing Device (4S15.2)

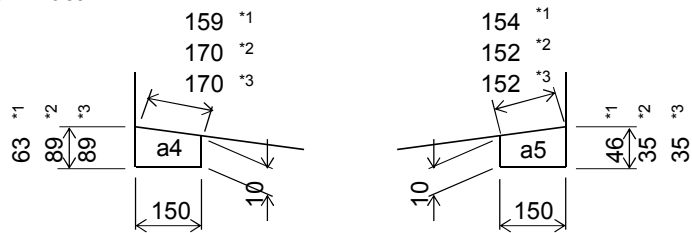
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

2-3. Deck Slab

1) Dimension



• Drain Duct



But, *1...The Mean Value of Main Girder
 *2...Dimensions of Starting Point Side
 *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.416) \times 0.517^{*1} &= 0.1722 \text{ m}^{2*1} \\
 & & (0.339^{*2}) & (= 0.1129 \text{ m}^{2*2}) \\
 & & ((0.339^{*3})) & ((= 0.1129 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.434^{*1} &= 0.1345 \text{ m}^{2*1} \\
 & & (0.603^{*2}) & (= 0.1869 \text{ m}^{2*2}) \\
 & & ((0.603^{*3})) & ((= 0.1869 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.063^{*1}) \times 0.150 &= 0.0055 \text{ m}^{2*1} \\
 & & (0.089^{*2}) & (= 0.0074 \text{ m}^{2*2}) \\
 & & ((0.089^{*3})) & ((= 0.0074 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.046^{*1}) \times 0.150 &= 0.0042 \text{ m}^{2*1} \\
 & & (0.035^{*2}) & (= 0.0034 \text{ m}^{2*2}) \\
 & & ((0.035^{*3})) & ((= 0.0034 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3224 \text{ m}^{2*1} \\
 & (= 2.3166 \text{ m}^{2*2}) \\
 & ((= 2.3166 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.549 + 0.063 + 0.150 + 0.010 - 0.159 \\
 &+ 0.250 + 0.446 + 0.046 + 0.150 + 0.010 - 0.154 \\
 &= 1.611 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^{*1} \times \left(\frac{1}{2} \times (L1 + R1) + \text{Right Connecting Part} \right) \\ &= 2.3224 \times \left(\frac{1}{2} \times (30.252 + 29.348) + 0.100 \right) \\ &= 69.440 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= l1 \times \left(\frac{1}{2} \times (L1 + R1) + \text{Right Connecting Part} \right) \\ &= 1.611 \times \left(\frac{1}{2} \times (30.252 + 29.348) + 0.100 \right) \\ &= 48.169 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (AF1 Part)

$$\begin{aligned} A1-2 &= \Sigma a^{*2} \times \frac{1}{\sin \theta 1} \quad \theta 1 = \text{Angle of Starting Point Side} \\ &= 2.3166 \times 1.000620 = 2.318 \text{ m}^2 \end{aligned}$$

$$A1 = 50.487 \text{ m}^2$$

3. Reinforcement Bar Include Quantity between PF1~PF2

Specifiaction: SD345

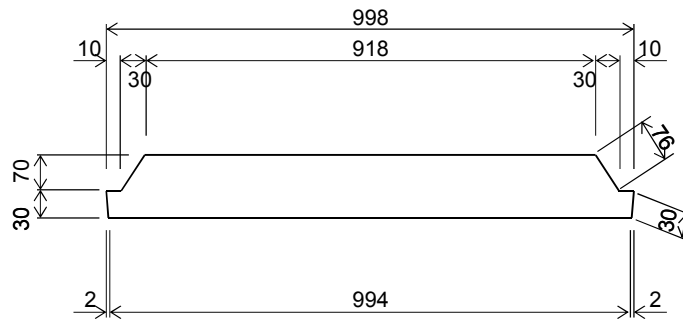
Reinforcement Bar

D22	13661 kg
D19	34809 kg
D16	5404 kg
D13	1769 kg
Total	55643 kg

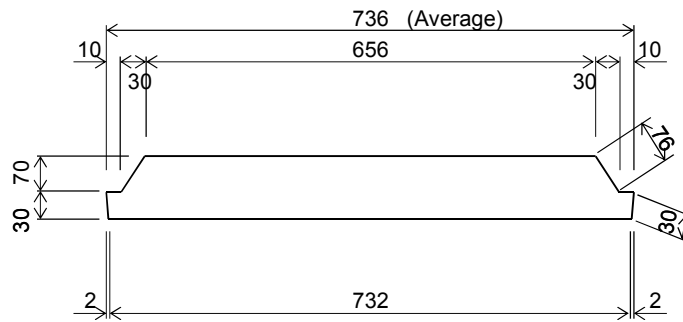
2-4. PC Plate

1) Dimension

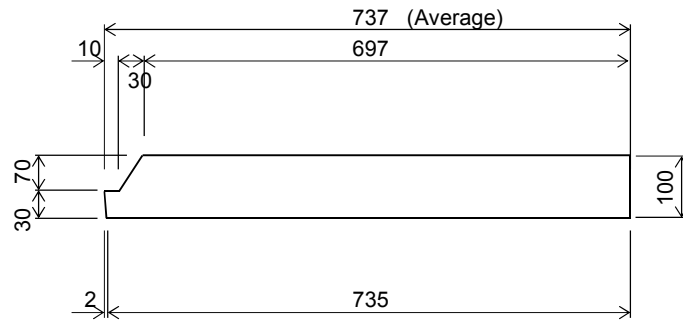
Type① (t = 100 mm)



Type② (t = 100 mm)



Type③ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type②

$$\begin{aligned}
 a2-1 &= 0.736 \times 0.100 &= 0.0736 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a2 &= 0.0700 \text{ m}^2
 \end{aligned}$$

Type③

$$\begin{aligned}
 a2-1 &= 0.737 \times 0.100 &= 0.0737 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0719 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	75	Standard 998 × 2380 × 100
②	6	Standard 736 × 2380 × 100
③	6	Adjustment 737 × 2380 × 100
Total	87	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0700 \times 2.380 &= 0.167 \text{ m}^3 \\
 V3 &= 0.0719 \times 2.380 &= 0.171 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 75 + 0.167 \times 6 + 0.171 \times 6 &= 19.203 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.203 \times 2.50 \text{ t/m}^3 = 48.01 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \\ \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.076 + 0.030 + 0.732) \\ \times 2.380 + 0.0700 \times 2 = 2.387 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.735) \times 2.380 \\ + 0.0719 \times 2 = 2.383 \text{ m}^2$$

$$\Sigma a = 3.063 \times 75 + 2.387 \times 6 + 2.383 \times 6 = 258.345 \text{ m}^2$$

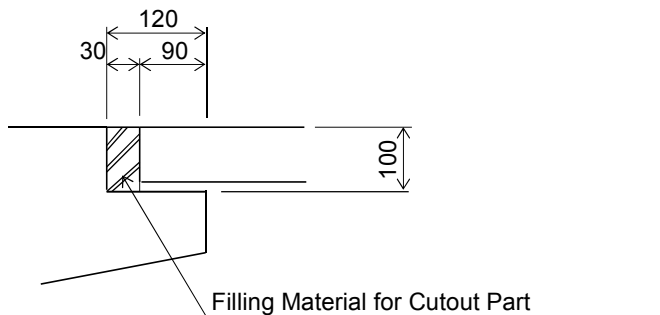
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 75 + 0.738 \times 12) = 199.577 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

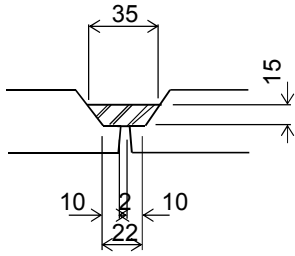
$$L_j = (1.000 \times 75 + 0.738 \times 12) \times 2 = 167.712 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 75 + 0.738 \times 12) \\ \times 2 = 0.503 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 28 \times 3 = 199.920 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 199.920 = 0.085 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(for Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 87 = 3105.900 \text{ m}$$

3) Weight of PC Strand

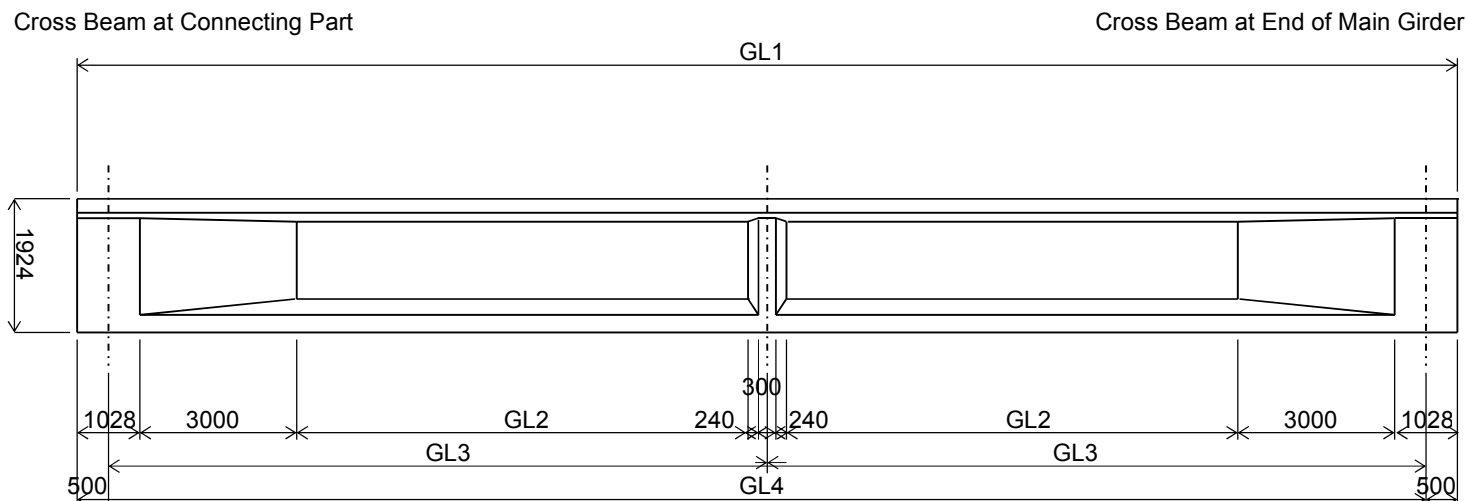
$$W = \Sigma L \times y_p = 3105.900 \times 0.405 \text{ kg/m} = 1257.890 \text{ kg}$$

9. Reinforcement Bar

Specifiaction: SD345		
Reinforcement Bar		
D10	1540	kg
Total	1540	kg

§3 PF1-PF2 Quantity Calculation
3-1. Main Girder

(PF1 ~ PF2 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Girder Length (mm)

	GL1	GL2	GL3	GL4
G1	30225	10694.5	14613	29225
G2	29986	10575	14493	28986
G3	29746	10455	14373	28746
G4	29507	10335.5	14254	28507

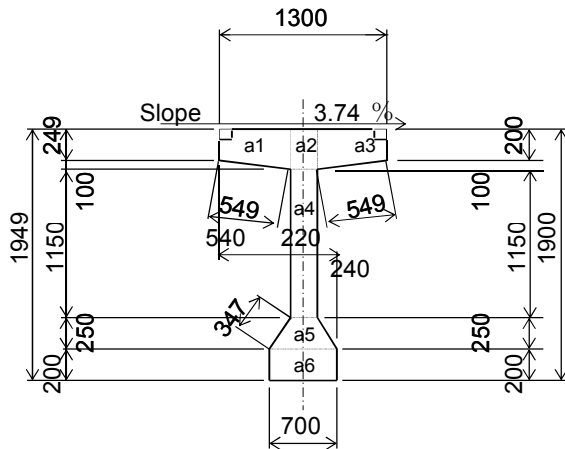
• Part Length (m)

	Standard L0	Cross Beam L1	Widening L2	Total ΣLg
G1	21.389	2.356	6.480	30.225
G2	21.150	2.356	6.480	29.986
G3	20.910	2.356	6.480	29.746
G4	20.671	2.356	6.480	29.507

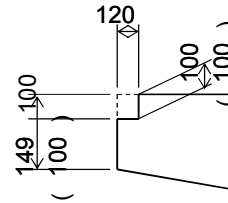
- Angle
 - Start Point θ1 = 92.022222
 - End Point θ2 = 88.110833
 - Cross Beam θ3 = 90.066667
- Number of Intermediate Cross Beam
 - Ny1 = 1
- Number of Main Girder
 - Outer Girder : 2
 - Inner Girder : 2
- Length of Standard Part
 - $L0 = GL2 \times 1 + GL2 \times 1$
- Length of Cross Beam Part
 - $L1 = 1.028 + 1.028 + 0.300 \times 1 = 2.356 \text{ m}$
- Length of Widening Part
 - $L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.249 + 0.329) \times 0.540 &= 0.1561 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.329 + 0.320) \times 0.220 &= 0.0714 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.320 + 0.200) \times 0.540 &= 0.1404 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.150 + 1.150) \times 0.220 &= 0.2530 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.200 &= 0.1400 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8519 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

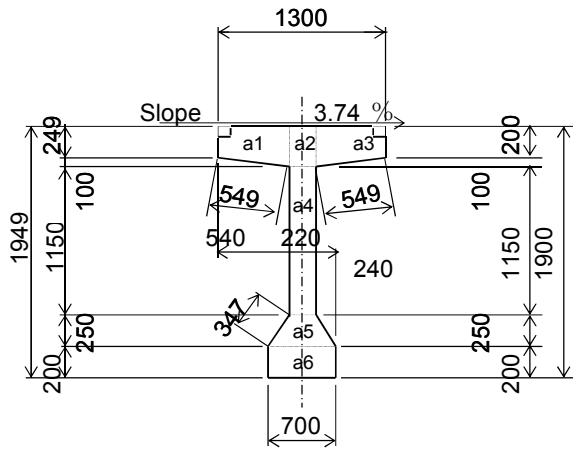
$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.149 + 0.100 + 0.549 + 0.549 \\
 &+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.941 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

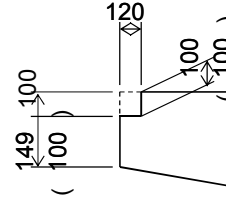
$$i1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8759 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8759 + -0.0120 = 0.8639 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

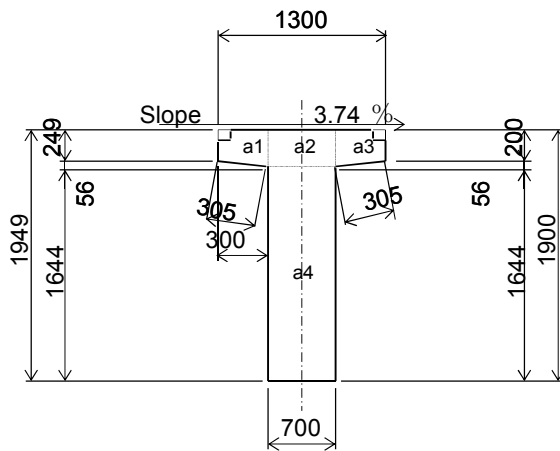
$$\begin{aligned} l1 &= 0.249 + 0.100 + 0.100 + 0.549 + 0.549 \\ &+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.941 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

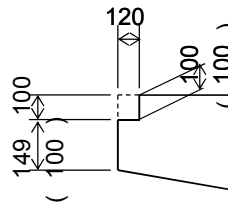
$$l1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.249 + 0.294) \times 0.300 &= 0.0815 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.294 + 0.267) \times 0.700 &= 0.1964 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.267 + 0.200) \times 0.300 &= 0.0701 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.644 + 1.644) \times 0.700 &= 1.1508 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.4748 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

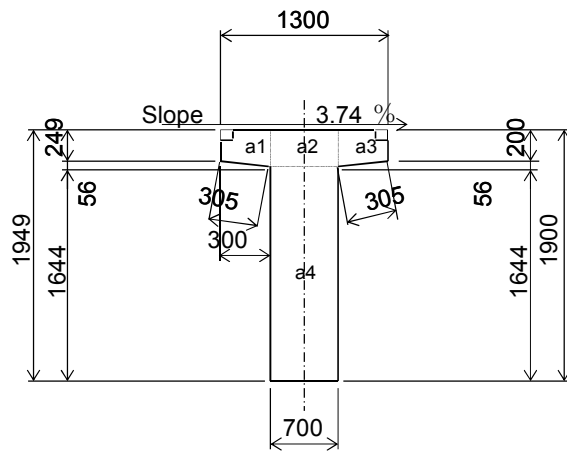
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.149 + 0.100 + 0.305 \\
 &+ 0.305 + 1.644 + 1.644 &= 4.347 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

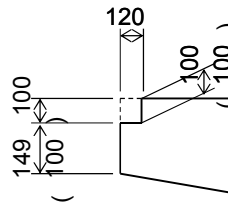
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.4988 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.4988 + -0.0120 = 1.4868 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

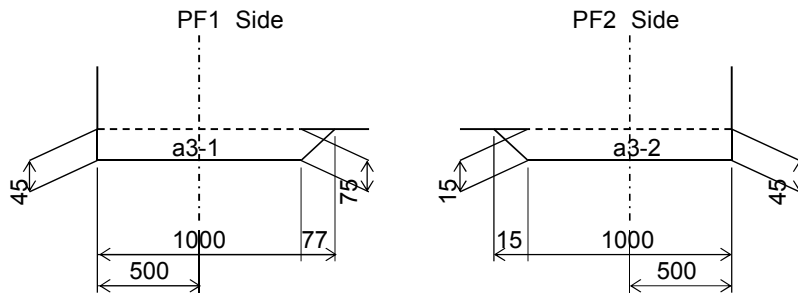
$$\begin{aligned} l2 &= 0.249 + 0.100 + 0.100 + 0.305 + 0.305 \\ &+ 1.644 + 1.644 = 4.347 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$l2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.045 + 0.075) \times 1.000 + 1 / 2 \\
 &\quad \times 0.075 \times 0.077 = 0.0629 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.045 + 0.015) \times 1.000 + 1 / 2 \\
 &\quad \times 0.015 \times 0.015 = 0.0301 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0629 \times 0.700 = 0.044 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0301 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0629 + 0.045 \times 0.700 \times 1.000623 = 0.157 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0301 + 0.045 \times 0.700 \times 1.000544 = 0.092 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Calculation of Concrete Volume

$$V1-1 = a1 \times L0 \quad (= \text{Standard Part})$$

$$V1-2 = a2 \times L1 \quad (= \text{Cross Section Part})$$

$$V1-3 = 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part})$$

$$V1-4 = v-1 + v-2 \quad (= \text{Rare Concrete})$$

Summary of Concrete Volume					(m ³)
	Standard	Supporting	Widening	Rare	Total
G1	18.478	3.503	7.616	0.065	29.662
G2	18.018	3.475	7.539	0.065	29.097
G3	17.813	3.475	7.539	0.065	28.892
G4	17.858	3.503	7.616	0.065	29.042

2) Calculation of Main Girder Weight

• G1 Girder

$$W = V \times \gamma = 29.662 \times 2.50 \text{ t/m}^3 = 74.16 \text{ t}$$

• G2 Girder

$$W = V \times \gamma = 29.097 \times 2.50 \text{ t/m}^3 = 72.74 \text{ t}$$

• G3 Girder

$$W = V \times \gamma = 28.892 \times 2.50 \text{ t/m}^3 = 72.23 \text{ t}$$

• G4 Girder

$$W = V \times \gamma = 29.042 \times 2.50 \text{ t/m}^3 = 72.61 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 92.022222$ $k_1 = 1 / \sin\theta_1 = 1.000623$
 Angle of End Point $\theta_2 = 88.110833$ $k_2 = 1 / \sin\theta_2 = 1.000544$

1) Side Form

$$A1-1 = i_1 \times L_0 \quad (= \text{Standard Part})$$

$$A1-2 = i_2 \times L_1 \quad (= \text{Supporting Part})$$

$$A1-3 = 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part})$$

$$A1-4 = a-1 + a-2 \quad (= \text{Rare Concrete})$$

2) Edge Form

$$A2 = a_2 \times (k_1 + k_2)$$

3) Bottom Form

$$A3-1 = i_1' \times L_0 \quad (= \text{Standard Part})$$

$$A3-2 = i_2' \times L_1 \quad (= \text{Supporting and Connecting Part})$$

$$A3-3 = 1 / 2 \times (i_1' + i_2') \times L_2 \quad (= \text{Widening Part})$$

4) Total

Summary of Form (m²)

	Side Form					Edge Form	Total
	Standard	Supporting	Widening	Rare	Total		
G1	105.683	10.242	30.093	0.249	146.267	2.975	149.242
G2	104.502	10.242	30.093	0.249	145.086	2.951	148.037
G3	103.316	10.242	30.093	0.249	143.900	2.951	146.851
G4	102.135	10.242	30.093	0.249	142.719	2.975	145.694

(m²)

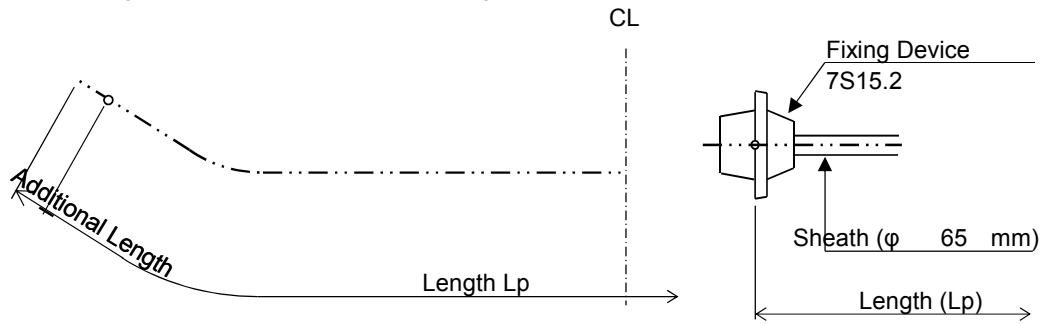
	Bottom Form			
	Standard	Supporting	Widening	Total
G1	14.972	1.649	4.536	21.157
G2	14.805	1.649	4.536	20.990
G3	14.637	1.649	4.536	20.822
G4	14.470	1.649	4.536	20.655

3. PC Strand

- G1 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.906	1	29.906
C2	29.881	1	29.881
C3	29.855	1	29.855
C4	29.818	1	29.818
C5	29.778	1	29.778
Total	—	5	149.238

- Length (Except Additional Length)

$$\Sigma L1 = 149.238 \quad = \quad 149.238 \text{ m}$$

3) Weight of PC Strand

- Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 149.238 \times 7.707 \text{ kg/m} = 1150.177 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 \quad 149.238 \quad m$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 \quad = \quad 149.238 \quad m$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 \quad = \quad 10 \quad \text{set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 \quad = \quad 10 \quad \text{set}$$

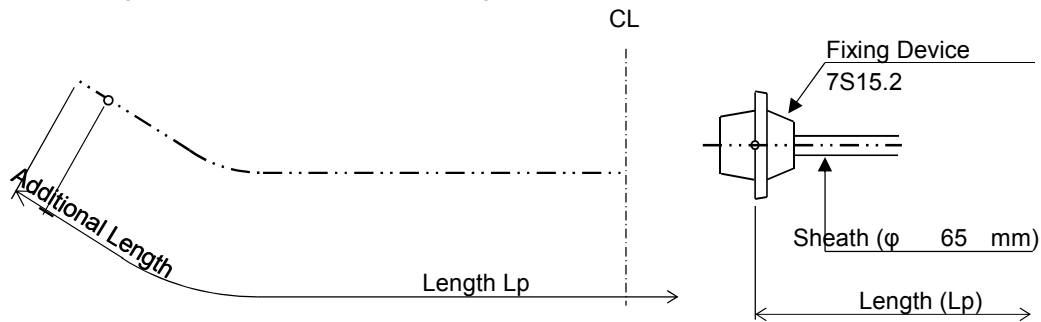
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 \quad = \quad 10 \quad \text{No.}$$

• G2 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.667	1	29.667
C2	29.642	1	29.642
C3	29.616	1	29.616
C4	29.579	1	29.579
C5	29.539	1	29.539
Total	—	5	148.043

• Length (Except Additional Length)

$$\Sigma L1 = 148.043 \quad = \quad 148.043 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 148.043 \times 7.707 \text{ kg/m} = 1140.967 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 148.043 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 148.043 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

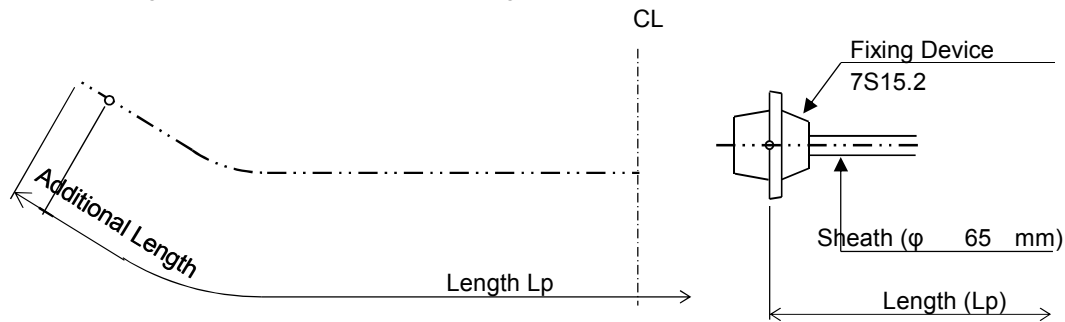
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G3 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.428	1	29.428
C2	29.403	1	29.403
C3	29.377	1	29.377
C4	29.340	1	29.340
C5	29.300	1	29.300
Total	—	5	146.848

• Length (Except Additional Length)

$$\Sigma L1 = 146.848 \quad = \quad 146.848 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 146.848 \times 7.707 \text{ kg/m} = 1131.758 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 146.848 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 146.848 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

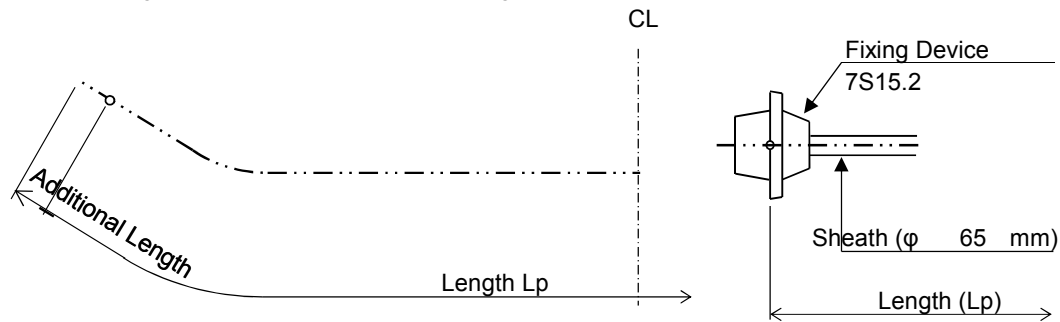
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G4 Girder

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.189	1	29.189
C2	29.164	1	29.164
C3	29.138	1	29.138
C4	29.101	1	29.101
C5	29.061	1	29.061
Total	—	5	145.653

• Length (Except Additional Length)

$$\Sigma L1 = 145.653 \quad = \quad 145.653 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 145.653 \times 7.707 \text{ kg/m} = 1122.548 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 145.653 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 145.653 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

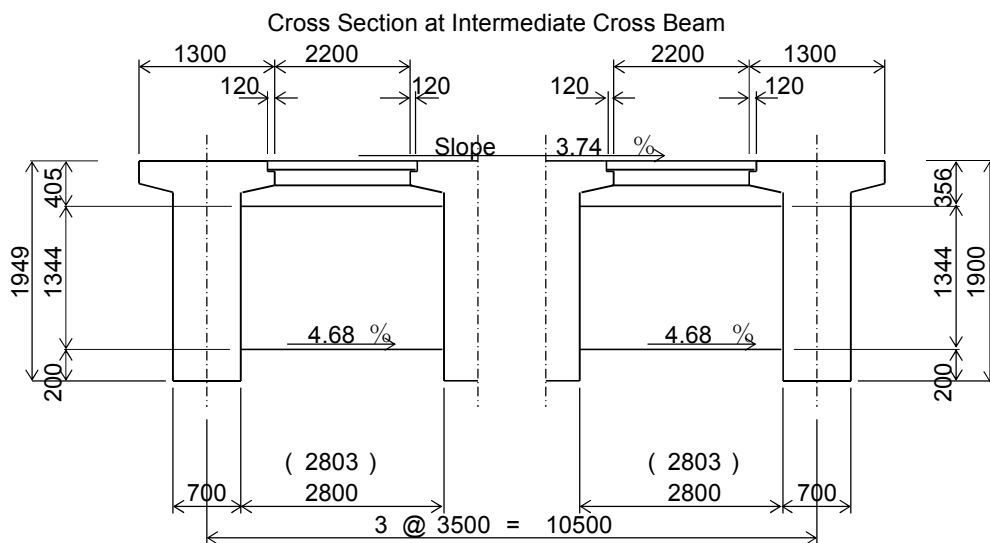
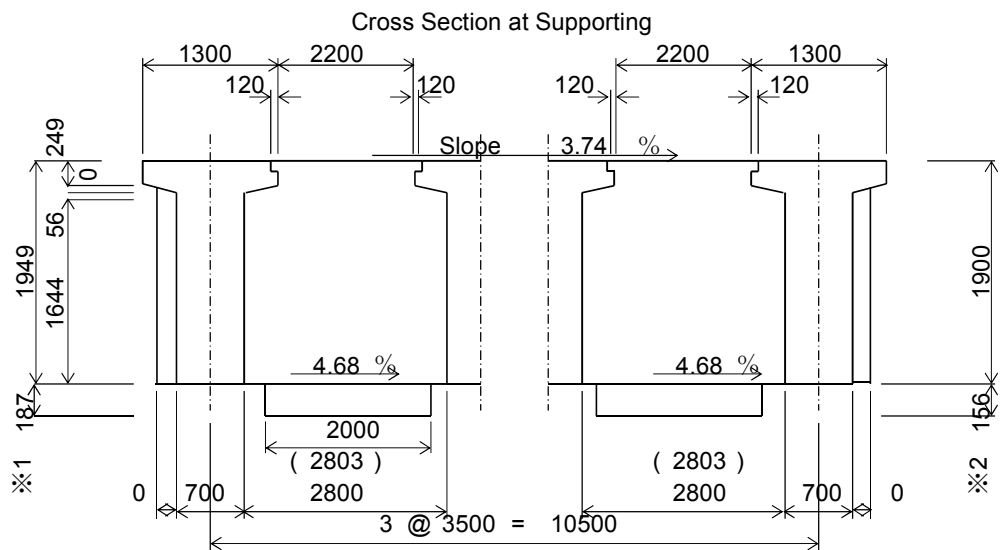
Specifiaction : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	840 kg	834 kg	827 kg	821 kg	3322 kg
D16	1956 kg	1986 kg	1972 kg	1914 kg	7828 kg
D13	1579 kg	1574 kg	1562 kg	1546 kg	6261 kg
Total	4375 kg	4394 kg	4361 kg	4281 kg	17411 kg

3-2. Cross Beam

1) Dimension of Cross Beam



Note...() is Calculated by Bottom Molding Box Length
Depended on Slope

2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.924 - 1.4748 = 5.2592 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.187 \times 2.000 = 0.3740 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.924 - 1.4748 = 5.2592 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.156 \times 2.000 = 0.3120 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = a1+a2 \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.6332 \times 0.950 \times 3 = 16.055 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = a1'+a2' \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.5712 \times 0.900 \times 3 = 15.042 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = a3 \times \text{Width of Cross Beam} \times \text{Number of Position} \times \text{Number of Position (Bridge Axial Direction)}$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.429 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 16.055 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 92.022222$ $k_1 = 1 / \sin \theta_1 = 1.000623$
 Angle of End Point $\theta_2 = 88.110833$ $k_2 = 1 / \sin \theta_2 = 1.000544$
 Angle of Intermediate Cross Beam $\theta_3 = 90.066667$ $k_3 = 1 / \sin \theta_3 = 1.000001$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.2592 + 2.800 \times 0.950 + 0.187) \times 3 = 24.833 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (2 \times k_2 \times 5.2592 + 2.800 \times 0.900 + 0.156) \times 3 = 39.975 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.800 \times 0.300) \times 3 \times 1 = 25.099 \text{ m}^2$$

$$A1 = 65.074 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.833 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

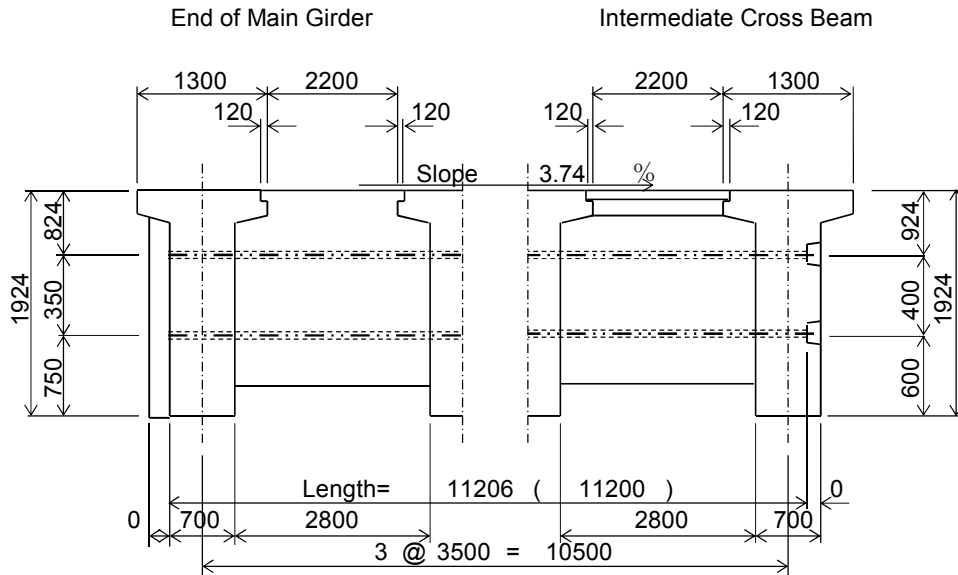
3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

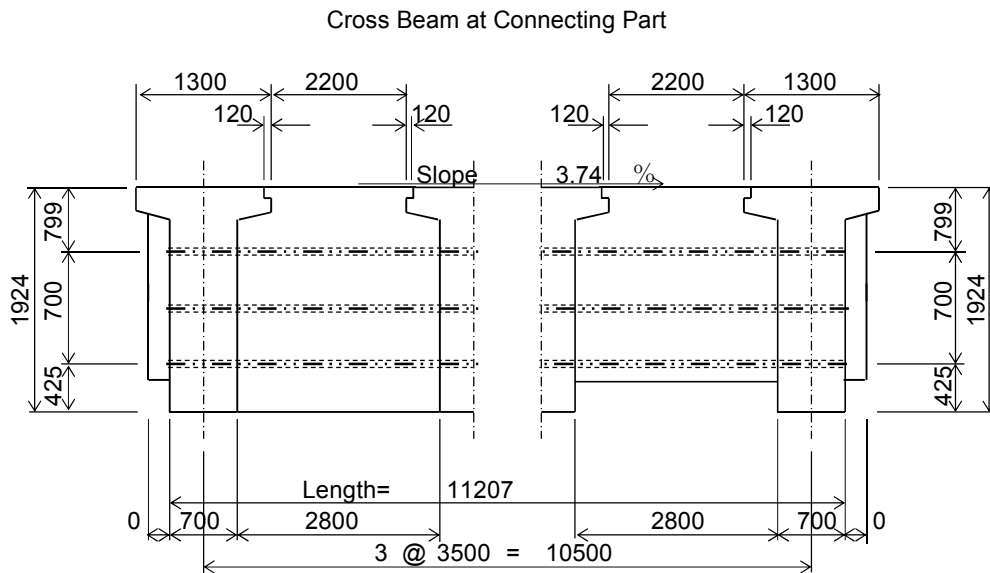
	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	523 kg	0 kg	523 kg
D16	279 kg	0 kg	279 kg
D13	98 kg	210 kg	308 kg
Total	900 kg	210 kg	1110 kg

4. PC Strand for Stressing

Strand 4S15.2 mm (SWPR7BL)
 Unit Weight $\gamma_p = 4.404$ kg/m
 Stressing Method Bilateral Stressing
 Number $N_p = 12$



But, () is Value of Intermediate Cross Beam



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1=L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.206	4	44.824
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.207	6	67.242
Total	—	12	134.466

• Length (Except Additional Length)

$$\Sigma L1 = 134.466 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.466 \times 4.404 \text{ kg/m} = 592.188 \text{ kg}$$

3) Sheath Length

(1) Sheath between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{Width} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 6 \\
 &\quad + (\text{Width} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{Width} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 101.930 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= k1 \times 6 + k2 \times 4 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.404 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.466 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

7) Stressing Work (4S15.2)

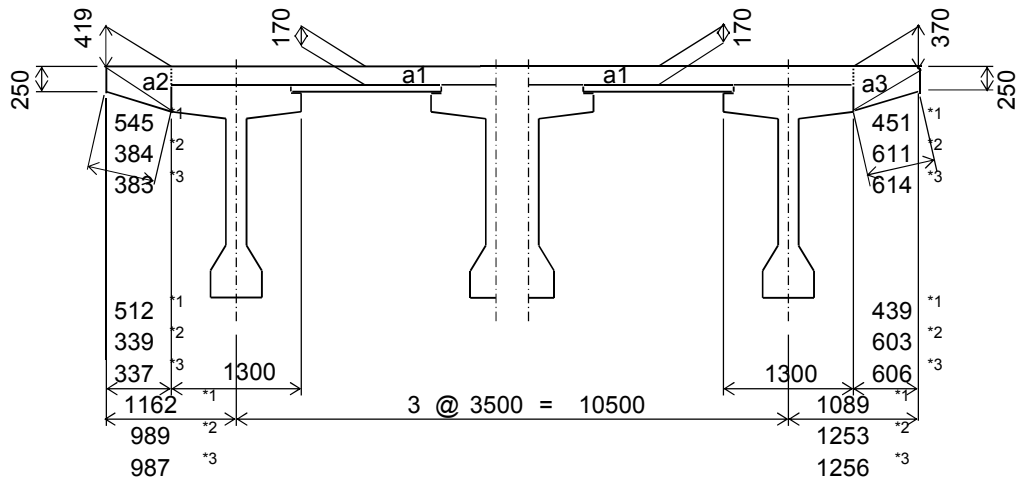
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

8) Fixing Device (4S15.2)

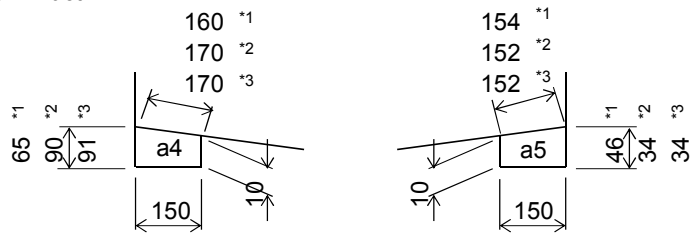
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

3-3. Deck Slab

1) Dimension



• Drain Duct



But, *1...The Mean Value of Main Girder
 *2...Dimensions of Starting Point Side
 *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.419) \times 0.512^{*1} &= 0.1713 \text{ m}^{2*1} \\
 & & (0.339^{*2}) & (= 0.1134 \text{ m}^{2*2}) \\
 & & ((0.337^{*3})) & ((= 0.1127 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.439^{*1} &= 0.1361 \text{ m}^{2*1} \\
 & & (0.603^{*2}) & (= 0.1869 \text{ m}^{2*2}) \\
 & & ((0.606^{*3})) & ((= 0.1879 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.065^{*1}) \times 0.150 &= 0.0056 \text{ m}^{2*1} \\
 & & (0.090^{*2}) & (= 0.0075 \text{ m}^{2*2}) \\
 & & ((0.091^{*3})) & ((= 0.0076 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.046^{*1}) \times 0.150 &= 0.0042 \text{ m}^{2*1} \\
 & & (0.034^{*2}) & (= 0.0033 \text{ m}^{2*2}) \\
 & & ((0.034^{*3})) & ((= 0.0033 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3232 \text{ m}^{2*1} \\
 & (= 2.3171 \text{ m}^{2*2}) \\
 & ((= 2.3175 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.545 + 0.065 + 0.150 + 0.010 - 0.160 \\
 &+ 0.250 + 0.451 + 0.046 + 0.150 + 0.010 - 0.154 \\
 &= 1.613 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^1 \times (\text{Left Connecting Part} + 1 / 2 \times (L1 + R1)) \\ &= 2.3232 \times (0.100 + 1 / 2 \times (30.285 + 29.415)) \\ &= 69.580 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= l1 \times (\text{Left Connecting Part} + 1 / 2 \times (L1 + R1)) \\ &= 1.613 \times (0.100 + 1 / 2 \times (30.285 + 29.415)) \\ &= 48.309 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (PF2 Part)

$$\begin{aligned} A1-2 &= \Sigma a^2 \times 1 / \sin \theta 2 \quad \theta 2 = \text{Angle of End Point Side} \\ &= 2.3175 \times 1.000544 = 2.319 \text{ m}^2 \end{aligned}$$

$$A1 = 50.628 \text{ m}^2$$

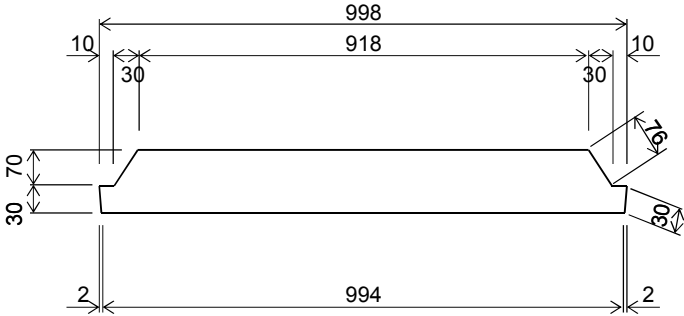
3. Reinforcement Bar

Note...Shall Include Quantity between AF1~PF1

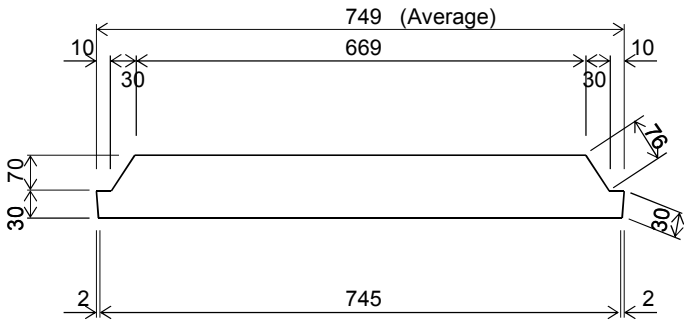
3-4. PC Plate

1) Dimension

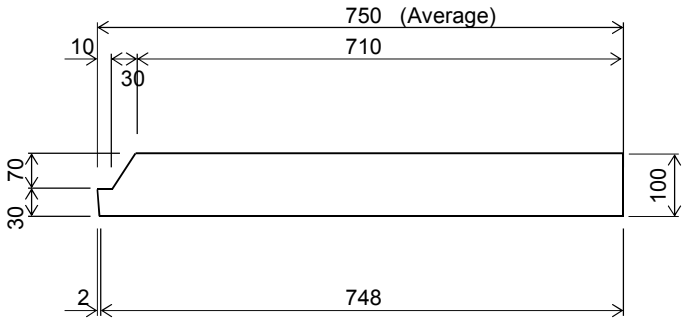
Type① (t = 100 mm)



Type④ (t = 100 mm)



Type⑤ (t = 100 mm)



2) Cross Section Area

Type①

$$a1-1 = 0.998 \times 0.100 = 0.0998 \text{ m}^2$$

$$a1-2 = -1 / 2 \times 0.002 \times 0.030 \times 2 = -0.00006 \text{ m}^2$$

$$a1-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 = -0.0035 \text{ m}^2$$

$$a1 = 0.0962 \text{ m}^2$$

Type④

$$a2-1 = 0.749 \times 0.100 = 0.0749 \text{ m}^2$$

$$a2-2 = -1 / 2 \times 0.002 \times 0.030 \times 2 = -0.00006 \text{ m}^2$$

$$a2-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 = -0.0035 \text{ m}^2$$

$$a2 = 0.0713 \text{ m}^2$$

Type⑤

$$a3-1 = 0.750 \times 0.100 = 0.0750 \text{ m}^2$$

$$a3-2 = -1 / 2 \times 0.002 \times 0.030 = -0.00003 \text{ m}^2$$

$$a3-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 = -0.0018 \text{ m}^2$$

$$a3 = 0.0732 \text{ m}^2$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	75	Standard 998 × 2380 × 100
④	6	Standard 749 × 2380 × 100
⑤	6	Adjustment 750 × 2380 × 100
Total	87	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$V1 = 0.0962 \times 2.380 = 0.229 \text{ m}^3$$

$$V2 = 0.0713 \times 2.380 = 0.170 \text{ m}^3$$

$$V3 = 0.0732 \times 2.380 = 0.174 \text{ m}^3$$

$$\Sigma V = 0.229 \times 75 + 0.170 \times 6 + 0.174 \times 6 = 19.239 \text{ m}^3$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.239 \times 2.50 \text{ t/m}^3 = 48.10 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.076 + 0.030 + 0.745) \times 2.380 + 0.0713 \times 2 = 2.420 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.748) \times 2.380 + 0.0732 \times 2 = 2.417 \text{ m}^2$$

$$\Sigma a = 3.063 \times 75 + 2.420 \times 6 + 2.417 \times 6 = 258.747 \text{ m}^2$$

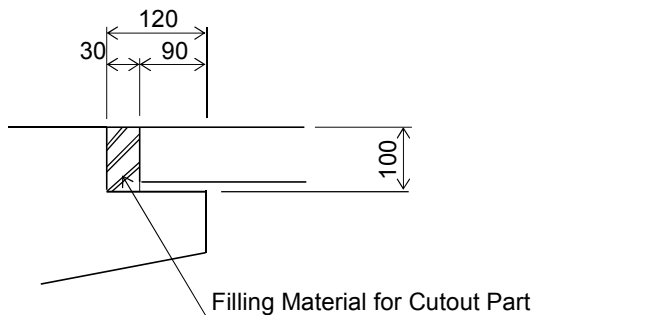
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 75 + 0.751 \times 12) = 199.949 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

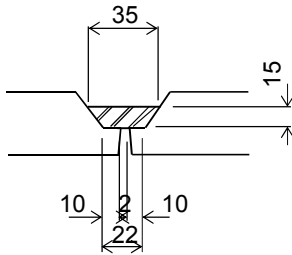
$$L_j = (1.000 \times 75 + 0.751 \times 12) \times 2 = 168.024 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 75 + 0.751 \times 12) \times 2 = 0.504 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 28 \times 3 = 199.920 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 199.920 = 0.085 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(For Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 87 = 3105.900 \text{ m}$$

3) Weight of PC Strand

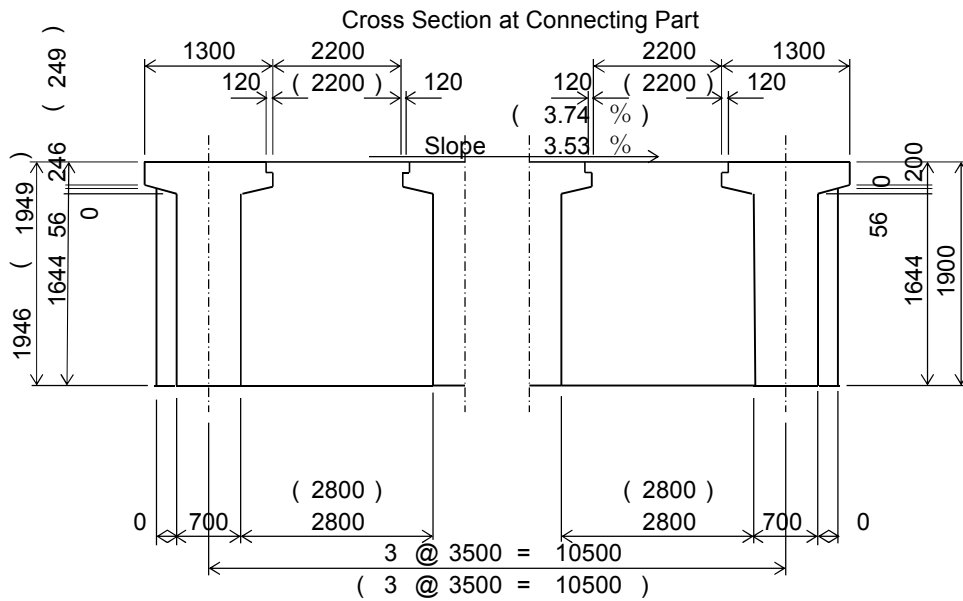
$$W = \Sigma L \times \gamma_p = 3105.900 \times 0.405 \text{ kg/m} = 1257.890 \text{ kg}$$

9. Reinforcement Bar

Specifiaction: SD345	
Reinforcement Bar	
D10	1540 kg
Total	1540 kg

§4 Connecting Part

1) Dimension PF1 Cross Section



PF1 Angle of Starting Point $\theta_1 = 87.955556$ $k_1 = 1 / \sin \theta_1 = 1.000637$
 Angle of End Point $\theta_2 = 92.022222$ $k_2 = 1 / \sin \theta_2 = 1.000623$

2) Calculation of Cross Section Area and Perimeter of Form

- Sum of Cross Section Area of Main Girder and Cross Beam

AF1 ~ PF1 Side
 $a_1 = (3 \times 3.500 \times 1.923 + 1.4968) \times k_1 = 21.7021 \text{ m}^2$
 (Notchless Cross Section Area of Main Girder)

PF1 ~ PF2 Side
 $a_2 = (3 \times 3.500 \times 1.924 + 1.4988) \times k_2 = 21.7143 \text{ m}^2$
 (Notchless Cross Section Area of Main Girder)

- Sum of Bottom Form Length of Main Girder and Cross Beam

AF1 ~ PF1 Side
 $l_1 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$

PF1 ~ PF2 Side
 $l_2 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$

3) Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1-1 &= 21.7021 \times 0.100 + 21.7143 \times 0.100 &= 4.342 \text{ m}^3 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 V1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 15.851 + 16.055 &&= 31.906 \text{ m}^3 \\
 \hline
 V1 &= 36.248 \text{ m}^3
 \end{aligned}$$

4) Calculation of Form Area

$$\begin{aligned}
 A1-1 &= 11.200 \times 0.100 + 11.200 \times 0.100 &= 2.240 \text{ m}^2 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 A1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 24.638 + 24.833 &&= 49.471 \text{ m}^2 \\
 \hline
 A1 &= 51.711 \text{ m}^2
 \end{aligned}$$

5) Reinforcement Bar

Specifiaction:	SD345
Reinforcement Bar	
D22	1727 kg
D19	0 kg
D16	4298 kg
D13	197 kg
Total	6222 kg

§5 Scaffolding

1. Scaffolding Under Main Girder

$$A = 12.750 \times 60.000 = 765.000 \text{ m}^3$$

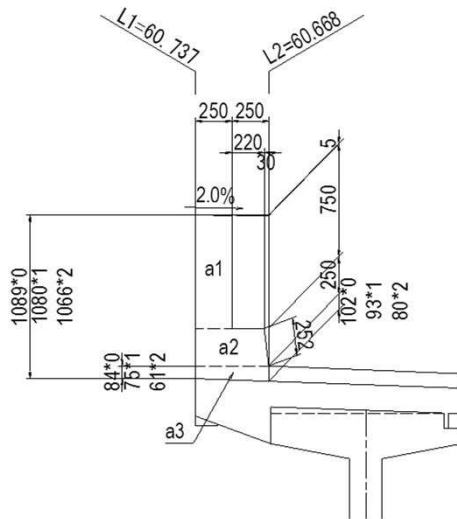
2. Side Scaffolding

$$L = 30.000 \times 2 = 60.000 \text{ m}$$

§6 Bridge Surface

6-1. Karb and Barrier

1. Left Side Barrier



• Calculation of Cross Section Area

$$a1 = 0.1881 \text{ m}^2$$

$$a2 = 0.1213 \text{ m}^2$$

$$a3 = 0.0465 \text{ m}^2$$

$$(a3) = 0.0420 \text{ m}^2$$

$$\{a3\} = 0.0353 \text{ m}^2$$

$$\Sigma a = 0.3559 \text{ m}^2$$

$$(\Sigma a) = 0.3514 \text{ m}^2$$

$$\{\Sigma a\} = 0.3447 \text{ m}^2$$

• Calculation of Perimeter of Form

$$l1 = 2.193 \text{ m}$$

Calculation of Average Length of

• Karb

$$L1 = 1/2 \times (L1 + L2)$$

$$= 60.703 \text{ m}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

$$\text{Angle of Start Point } \theta1 = 92.016389$$

$$\text{Angle of End Point } \theta2 = 88.110833$$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj1 = \Sigma a \times L1 = 0.3559 \times 60.703 = 21.604 \text{ m}^3$$

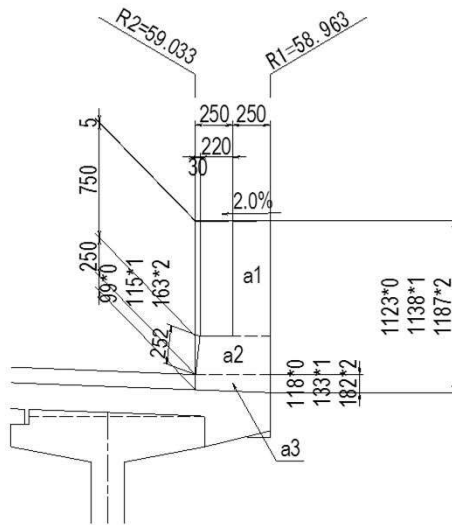
2) Form Area

$$Aj1 = l1 \times L1 + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2)$$

$$= 2.193 \times 60.703 + 0.3514 \times 1.000620 + 0.3447$$

$$\times 1.000544 = 133.818 \text{ m}^2$$

2. Right Side Barrier



• Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1881 \text{ m}^2 \\
 a2 &= 0.1213 \text{ m}^2 \\
 a3 &= 0.0543 \text{ m}^2 \\
 (a3) &= 0.0620 \text{ m}^2 \\
 \{a3\} &= 0.0863 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.3637 \text{ m}^2 \\
 (\Sigma a) &= 0.3714 \text{ m}^2 \\
 \{\Sigma a\} &= 0.3957 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 2.224 \text{ m}$$

Calculation of Average Length of

• Karb

$$\begin{aligned}
 Lr &= 1/2 \times (R1 + R2) \\
 &= 58.998 \text{ m}
 \end{aligned}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

$$\text{Angle of Start Point } \theta_1 = 92.016389$$

$$\text{Angle of End Point } \theta_2 = 88.110833$$

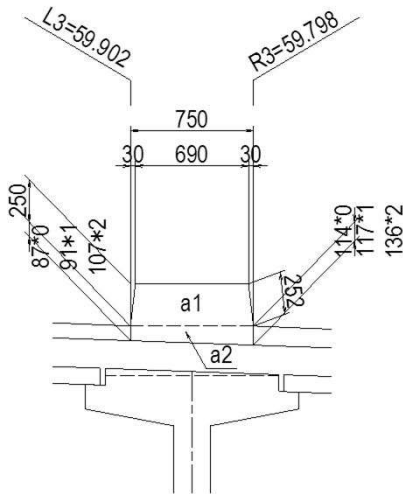
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj2 = \Sigma a \times Lr = 0.3637 \times 58.998 = 21.458 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 Aj2 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta_1) + \{\Sigma a\} \times (1 / \sin \theta_2) \\
 &= 2.224 \times 58.998 + 0.3714 \times 1.000620 + 0.3957 \\
 &\quad \times 1.000544 = 131.979 \text{ m}^2
 \end{aligned}$$

3. Median



• Calculation of Cross Section Area

$$a1 = 0.1800 \text{ m}^2$$

$$a2 = 0.0754 \text{ m}^2$$

$$(a2) = 0.0780 \text{ m}^2$$

$$\{a2\} = 0.0911 \text{ m}^2$$

$$\Sigma a = 0.2554 \text{ m}^2$$

$$(\Sigma a) = 0.2580 \text{ m}^2$$

$$\{\Sigma a\} = 0.2711 \text{ m}^2$$

• Calculation of Perimeter of Form

$$i1 = 0.705 \text{ m}$$

Calculation of Average Length of

• Karb

$$Lr = 1/2 \times (L3 + R3)$$

$$= 59.850 \text{ m}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

$$\text{Angle of Start Point } \theta1 = 92.016389$$

$$\text{Angle of End Point } \theta2 = 88.110833$$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj3 = \Sigma a \times Lr = 0.2554 \times 59.850 = 15.286 \text{ m}^3$$

2) Form Area

$$\begin{aligned} Aj3 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2) \\ &= 0.705 \times 59.850 + 0.2580 \times 1.000620 + 0.2711 \\ &\quad \times 1.000544 = 42.724 \text{ m}^2 \end{aligned}$$

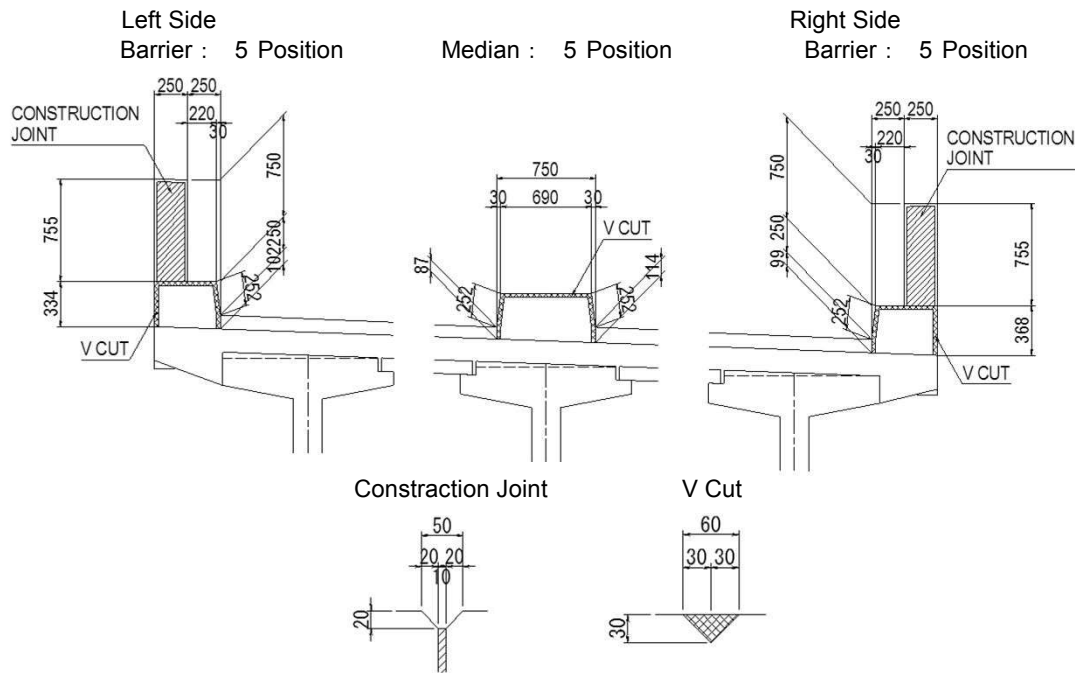
4. Total Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$\begin{aligned} \Sigma Vj &= Vj1 + Vj2 + Vj3 \\ &= 21.604 + 21.458 + 15.286 = 58.348 \text{ m}^3 \end{aligned}$$

5. Total Form Area

$$\begin{aligned} \Sigma Aj &= Aj1 + Aj2 + Aj3 \\ &= 133.818 + 131.979 + 42.724 = 308.521 \text{ m}^2 \end{aligned}$$

6. Joint



Note) Thickness of Pavement is Mean Thickness

1) Construction Joint ($t = 10 \text{ mm}$)

$$LA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$RA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$\Sigma A = 0.769 + 0.769 = 1.538 \text{ m}^2$$

2) V Cut

$$A = \frac{1}{2} \times 0.030 \times 0.060 = 0.0009 \text{ m}^2$$

$$L1 = (0.334 + 0.410 + 0.252 + 0.102) \times 5 = 5.490 \text{ m}$$

$$L2 = (0.087 + 0.252 \times 2 + 0.630 + 0.114) \times 5 = 6.675 \text{ m}$$

$$L3 = (0.368 + 0.410 + 0.252 + 0.099) \times 5 = 5.645 \text{ m}$$

$$\Sigma L = 5.490 + 6.675 + 5.645 = 17.810 \text{ m}$$

$$V = 0.0009 \times 17.810 \times 1000 = 16.029 \text{ } \ell$$

7. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	Barrier	Median	Total
D22	0 kg	0 kg	0 kg
D19	0 kg	0 kg	0 kg
D16	4594 kg	0 kg	4594 kg
D13	3334 kg	939 kg	4273 kg
Total	7928 kg	939 kg	8867 kg

6-2. Pavement

1. Asphalt Pavement

• Carriageway (t = 80 mm)

$$As1 = 331.567 + 326.784 \quad (\text{CAD Measurement}) = 658.351 \text{ m}^2$$

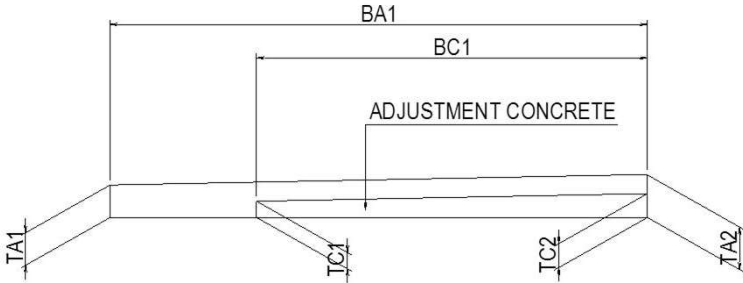
2. Adjustment Concrete ($\sigma_{ck} = 18 \text{ N/mm}^2$)

• Carriageway

$$As1 = 0.112 + 0.000 + 0.574 + 4.123 = 4.809 \text{ m}^2$$

Reference Calculation of Concrete Volume

Adjustment Concrete on Left Side
AF1-PF1 Span

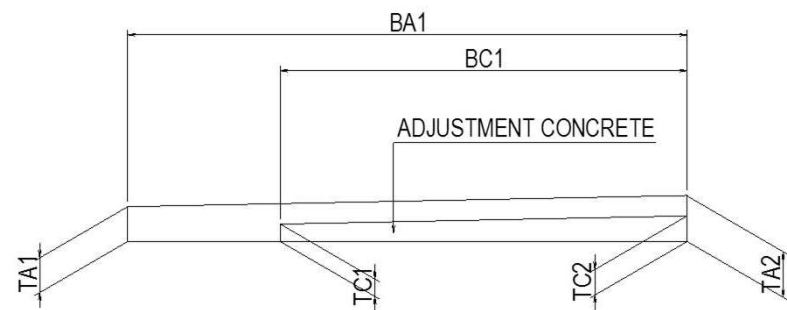


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF1
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	93	95	113	112	108	106	105	104	105	107	107	107
	TA2	mm	91	91	86	83	81	80	80	81	83	87	87	87
Difference in Height	Left Side	mm	2	4	27	29	27	26	25	23	22	20	20	20
Slope	Left Side	%	0.0004	0.0007	0.0049	0.0053	0.0049	0.0047	0.0046	0.0042	0.0040	0.0036	0.0036	0.0036
Placement Range	BC1	mm	0	0	611	380	0	0	0	0	0	0	0	0
Thickness of Leveling Concrete	TC1	mm	30	30	33	32	30	30	30	30	30	30	30	30
	TC2	mm	30	30	30	30	30	30	30	30	30	30	30	30
Area	AC1	m ²	0.0000	0.0000	0.0192	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ΣAC	m ²	0.0000	0.0000	0.0192	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Distance Between Section		m		0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0000	0.0346	0.0558	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Σ V = 0.112 m³

PF1-PF2 Span

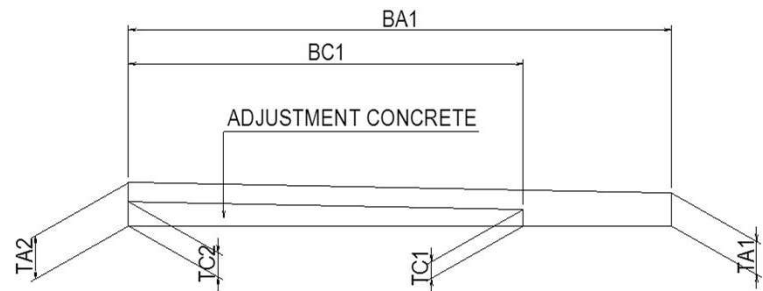


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	PF1	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	107	107	107	104	102	101	102	102	94	87	81	80
	TA2	mm	87	87	87	85	85	86	88	91	95	100	106	107
Difference in Height	Left Side	mm	20	20	20	19	17	15	14	11	1	13	25	27
Slope	Left Side	%	0.0036	0.0036	0.0036	0.0035	0.0031	0.0027	0.0026	0.0020	0.0002	0.0024	0.0046	0.0049
Placement Range	BC1	mm	0	0	0	0	0	0	0	0	0	0	0	0
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	30	30	30	30	30	30	30	30	30	30	30	30
Area	AC1	m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ΣAC	m ²	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Distance Between Section		m		0.100	0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500
Concrete	Vc	m ³		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Σ V = 0.000 m³

Adjustment Concrete on Right Side
AF1-PF1 Span

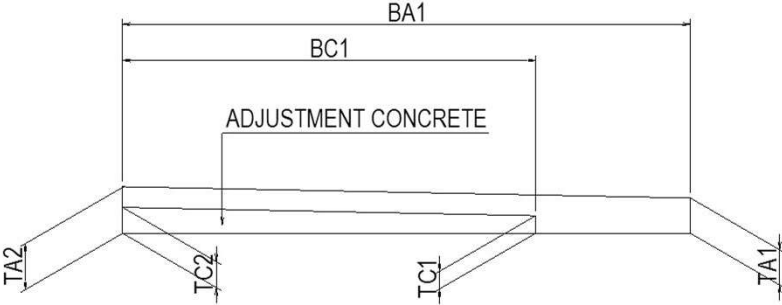


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF1
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	115	112	88	81	80	81	82	85	89	94	94	94
	TA2	mm	117	117	112	109	107	107	107	108	110	114	114	115
Difference in Height	Right Side	mm	2	5	24	28	27	26	25	23	21	20	20	21
Slope	Right Side	%	0.0004	0.0009	0.0044	0.0051	0.0049	0.0047	0.0046	0.0042	0.0038	0.0036	0.0036	0.0038
Placement Range	BC1	mm	5500	5500	459	0	0	0	0	0	0	1099	1099	1309
Thickness of Leveling Concrete	TC1	mm	35	32	30	30	30	30	30	30	30	30	30	30
	TC2	mm	37	37	32	30	30	30	30	30	30	34	34	35
Area	AC1	m ²	0.1980	0.1898	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0352	0.0352	0.0425
	ΣAC	m ²	0.1980	0.1898	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0352	0.0352	0.0425
Distance Between Section		m		0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0969	0.3671	0.0256	0.0000	0.0000	0.0000	0.0000	0.0000	0.0633	0.0176	0.0039

Σ V = 0.574 m³

PF1-PF2 Span

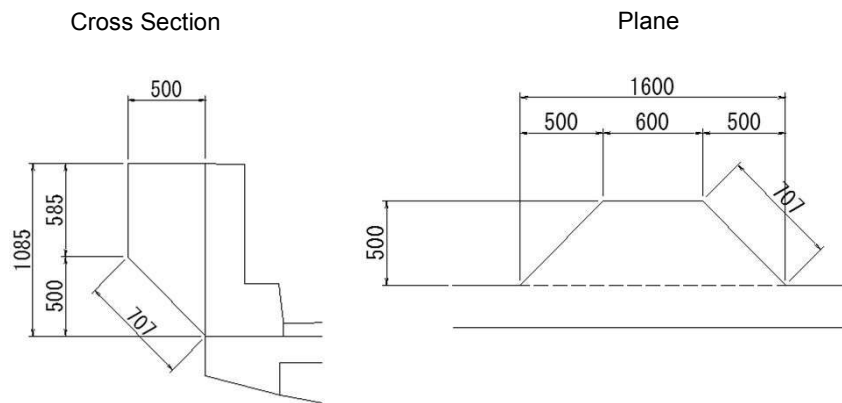


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	PF1	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	94	94	94	94	96	98	101	108	125	143	161	163
	TA2	mm	115	115	114	113	113	114	116	119	123	129	135	136
Difference in Height	Right Side	mm	21	21	20	19	17	16	15	11	2	14	26	27
Slope	Right Side	%	0.0038	0.0038	0.0036	0.0035	0.0031	0.0029	0.0027	0.0020	0.0004	0.0026	0.0047	0.0049
Placement Range	BC1	mm	1309	1309	1099	870	971	1375	2198	4500	5500	5500	5500	5500
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	45	63	81	83
	TC2	mm	35	35	34	33	33	34	36	39	43	49	55	56
Area	AC1	m ²	0.0425	0.0425	0.0352	0.0274	0.0306	0.0440	0.0725	0.1553	0.2420	0.3080	0.3740	0.3823
	ΣAC	m ²	0.0425	0.0425	0.0352	0.0274	0.0306	0.0440	0.0725	0.1553	0.2420	0.3080	0.3740	0.3823
Distance Between Section		m		0.100	0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500
Concrete	Vc	m ³		0.0043	0.0194	0.1128	0.1045	0.1345	0.2101	0.4107	0.7163	0.9917	1.2297	0.1891

Σ V = 4.123 m³

§7 Foundation of Lighting Post



1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$) (n = 2 nos)

Plane Area

$$a1 = \frac{1}{2} \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete Volume

$$V1 = 0.550 \times 0.585 = 0.322 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times \frac{1}{2} = 0.138 \text{ m}^3$$

$$V = 0.460 \text{ m}^3$$

$$\Sigma V = 0.460 \times 2 = 0.920 \text{ m}^3$$

2) Form Area (n = 2 nos)

Perimeter

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form Area

$$A1 = 2.014 \times (0.585 + 0.707) = 2.602 \text{ m}^2$$

$$\Sigma A = 2.602 \times 2 = 5.204 \text{ m}^2$$

3) Reinforcement Bar (n = 2 nos)

Specifiaction : SD345

D13 40 kg

$$\Sigma W = 40 \times 2 = 80 \text{ kg}$$

§8 Bearing

1. Rubber Bearing ($G_e = 1.0 \text{ N/mm}^2$)

AF1(M) 520 mm × 520 mm × 112 mm n = 4 Piece

PF1L(F) 520 mm × 470 mm × 92 mm n = 4 Piece

PF1R(F) 520 mm × 470 mm × 92 mm n = 4 Piece

PF2(F) 520 mm × 470 mm × 92 mm n = 4 Piece

2. Anti-Corrosion Anchor System (S35CN)

AF1(M) M 60 D L = 1220 mm n = 6 Set

$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ Set} = 162.50 \text{ kg}$

PF1L(F) F 85 D L = 1720 mm n = 3 Set

$W = 44.50 \text{ kg/m} \times 1.720 \text{ m} \times 3 \text{ Set} = 229.62 \text{ kg}$

PF1R(F) F 85 D L = 1720 mm n = 3 Set

$W = 44.50 \text{ kg/m} \times 1.720 \text{ m} \times 3 \text{ Set} = 229.62 \text{ kg}$

PF2(F) F 60 D L = 1220 mm n = 6 Set

$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ Set} = 162.50 \text{ kg}$

3. Anti-Corrosion Material (CR Sponge)

AF1(M) 200 mm × 300 mm × 20 mm n = 6 Piece

PF1L(F) 200 mm × 200 mm × 20 mm n = 3 Piece

PF1R(F) 200 mm × 200 mm × 20 mm n = 3 Piece

PF2(F) 200 mm × 200 mm × 20 mm n = 6 Piece

4. Reinforcement Bar (SD345)

AF1(M) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 12 + 0.600 \times 12) \times 4 = 32.26 \text{ kg}$$

PF1L(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF1R(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF2(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

5. Bed Mortar for Bearing (Non-Shrinkage Mortar)

$$\begin{aligned} \text{AF1(M)} \quad V &= \{ (0.62 + 0.72) \times 1/2 \times (0.62 + 0.72) \times 1/2 \times 0.049 + 0.72 \times 0.72 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.129 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF1L(F)} \quad V &= \{ (0.62 + 0.72) \times 1/2 \times (0.57 + 0.67) \times 1/2 \times 0.050 + 0.72 \times 0.67 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF1R(F)} \quad V &= \{ (0.62 + 0.73) \times 1/2 \times (0.57 + 0.68) \times 1/2 \times 0.055 + 0.73 \times 0.68 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.133 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF2(F)} \quad V &= \{ (0.62 + 0.73) \times 1/2 \times (0.57 + 0.68) \times 1/2 \times 0.054 + 0.73 \times 0.68 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.131 \text{ m}^3 \end{aligned}$$

6. Mortar for Anchor Halls (Non-Shrinkage Mortar)

$$\begin{aligned} \text{AF1(M)} \quad V &= (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \\ &\times 0.600) \times 6 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF1L(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 0.950 - 1/4 \times \pi \times 0.085^2 \\ &\times 0.850) \times 3 \text{ Position} = 0.125 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF1R(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 0.950 - 1/4 \times \pi \times 0.085^2 \\ &\times 0.850) \times 3 \text{ Position} = 0.125 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF2(F)} \quad V &= (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \\ &\times 0.600) \times 6 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

01-2-PC-I GIRDER BRIDGE
(PF5-PF7)

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§1 Summary of Quantity
1-1. Summary of Total Quantity

(Part1)

	Specification	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	4	Inner Girder
		No.	4	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m ³	235.0	
Form Area	For Side and Edge	m ²	1182.5	
	For Bottom	m ²	167.2	
PC Strand				
Length of PC Strand	7S15.2	m	1181.2	
Weight of PC Strand	7S15.2	kg	9104	
Length of Sheath	$\phi \text{ 65 mm}$	m	1181.2	
Length of Grout	$\phi \text{ 65 mm}$	m	1181.2	
Anchorage for PC Strand	7S15.2	set	80	
Reinforcement Grid	7S15.2	set	80	
Stressing Work	7S15.2	No.	80	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	6643
		D16	kg	15690
		D13	kg	12578
		Total	kg	34911
Embedded Sheath for Cross Beam	$\phi \text{ 60 mm}$	m	67.3	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	37.1	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m ²	130.6	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	1048
		D16	kg	558
		D13	kg	616
		Total	kg	2222
PC Strand				
Length of PC Strand	4S15.2	m	269.1	
Weight of PC Strand	4S15.2	kg	1185	
Length of Sheath	$\phi \text{ 45 mm}$	m	204.1	
Length of Grout	$\phi \text{ 45 mm}$	m	269.1	
Anchorage for PC Strand	For 4S15.2	set	48	
Reinforcement Grid	For 4S15.2	set	48	
Stressing Work	4S15.2	No.	48	
Fixing Device	4S15.2	No.	48	
Deck Slab				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	139.4	
Form Area	For Side, Edge and Bottom	m ²	101.5	
Reinforcement Bar	SD345	D22	kg	13667
		D19	kg	35068
		D16	kg	5406
		D13	kg	1696
		Total	kg	55837

(Part2)

		Specification		Unit	Quantity	Remarks
PC Plate						
Quantities for Each Size of PC Plate	1	998 × 2380 × 100		No.	150	Standard Plate
	2	749 × 2380 × 100		No.	6	Standard Plate
	3	750 × 2380 × 100		No.	6	Adjustment Plate
	4	750 × 2380 × 100		No.	6	Standard Plate
	5	751 × 2380 × 100		No.	6	Adjustment Plate
Concrete Volume		σ _{ck} = 40 N/mm ²		m ³	38.4	
Form Area		For Side, Edge and Bottom		m ²	517.5	
PC Plate Area				m ²	399.9	
Joint Filler		Sponge Tape		m	336.0	15 mm × 10 mm
Filling Material for Cutout Part		Non-Shrinkage Mortar		m ³	1.008	
Joint Sealing Material		Non-Shrinkage Mortar		m ³	0.170	
Length of PC Strand		1S9.3		m	6211.8	
Weight of PC Strand		1S9.3		kg	2516	
Reinforcement Bar		SD345	D10	kg	3080	
			Total	kg	3080	
Connecting Part						
Concrete Volume		σ _{ck} = 30 N/mm ²		m ³	36.2	Connecting Part
Form Area		For Side, Edge and Bottom		m ²	51.7	Connecting Part
Reinforcement Bar		SD345	D22	kg	1728	
			D19	kg	0	
			D16	kg	4303	
			D13	kg	197	
			Total	kg	6228	
Scaffolding						
Scaffolding Under Main Girder				m ²	765.0	
Side Scaffolding				m	60.0	
Bridge Surface						
Karb and Barrier						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	62.2	
Form Area		For Side, Edge and Bottom		m ²	322.0	
Contraction Joint		t= 10 mm		m ²	1.5	
V Cut				ℓ	17.0	
Reinforcement Bar		SD345	D22	kg	0	
			D19	kg	0	
			D16	kg	4706	
			D13	kg	4408	
			Total	kg	9114	
Pavement						
Asphalt Pavement		t= 80 mm		m ²	658.9	Carriageway
Adjustment Concrete		σ _{ck} = 18 N/mm ²		m ³	35.9	Carriageway
Lighting Post Foundation						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	0.9	
Form Area		For Side and Edge		m ²	5.2	
Reinforcement Bar		SD345	D13	kg	80	

(Part3)

	Specification	Unit	Quantity	Remarks
Bearing				
Rubber Bearing	520×470×92	No.	4	PF.5
	520×470×92	No.	8	PF.6
	520×520×112	No.	4	PF.7
Anti-Corrosion Anchor System	φ75×1520	kg	316	PF.5
	φ75×1520	kg	316	PF.6
	φ60×1220	kg	163	PF.7
Anti-Corrosion Material (CR Sponge)	200×200×20	No.	6	PF.5
	200×200×20	No.	6	PF.6
	200×300×20	No.	6	PF.7
Reinforcement Grid	SD345 D10	kg	28	PF.5
		kg	56	PF.6
		kg	32	PF.7
Bed Mortar for Bearing	Non-Shrinkage Mortar	m ³	0.1	PF.5
		m ³	0.3	PF.6
		m ³	0.1	PF.7
Mortar for Anchor Halls	Non-Shrinkage Mortar	m ³	0.2	PF.5
		m ³	0.2	PF.6
		m ³	0.1	PF.7

1-2. PF5 ~ PF6 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specification	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	117.5	
Form Area	For Side and Edge	m^2	591.2	
	For Bottom	m^2	83.6	
PC Strand				
Length of PC Strand	7S15.2	m	590.6	
Weight of PC Strand	7S15.2	kg	4551	
Length of Sheath	$\phi 65 \text{ mm}$	m	590.6	
Length of Grout	$\phi 65 \text{ mm}$	m	590.6	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3321
		D16	kg	7848
		D13	kg	6289
		Total	kg	17458
Embedded Sheath for Cross Beam	$\phi 60 \text{ mm}$	m	33.6	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.5	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	65.2	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	524
		D16	kg	279
		D13	kg	308
		Total	kg	1111

(Part2)

	Specification		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	134.5	
Weight of PC Strand	4S15.2		kg	592	
Length of Sheath	φ 45 mm		m	102.0	
Length of Grout	φ 45 mm		m	134.5	
Anchorage for PC Strand	4S15.2		set	24	
Reinforcement Grid	4S15.2		set	24	
Stressing Work	4S15.2		No.	24	
Fixing Device	4S15.2		No.	24	
Deck Slab					
Concrete Volume	σ _{ck} = 30 N/mm ²		m ³	69.7	
Form Area	For Side, Edge and Bottom		m ²	50.8	
Reinforcement Bar	SD345	D22	kg	13667	
		D19	kg	35068	
		D16	kg	5406	
		D13	kg	1696	
		Total	kg	55837	
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	75	Standard Plate
	2	749 × 2380 × 100	No.	6	Standard Plate
	3	750 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σ _{ck} = 40 N/mm ²		m ³	19.2	
Form Area	For Side, Edge and Bottom		m ²	258.7	
PC Plate Area			m ²	199.9	
Joint Filler	Sponge Tape		m	168.0	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.504	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.085	
Length of PC Strand	1S9.3		m	3105.9	
Weight of PC Strand	1S9.3		kg	1258	
Reinforcement Bar	SD345	D10	kg	1540	
		Total	kg	1540	

2. Summary of Quantity for Each Main Girder

• G1 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.13	W = 72.83 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	145.36	
	For Bottom	m^2	20.55	
PC Strand				
Length of PC Strand	7S15.2	m	145.2	
Weight of PC Strand	7S15.2	kg	1119	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	145.2	
Length of Grout	$\phi \ 65 \text{ mm}$	m	145.2	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.41	Embedded Sheath in Main Girder

• G2 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.06	W = 72.65 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	146.96	
	For Bottom	m^2	20.78	
PC Strand				
Length of PC Strand	7S15.2	m	146.8	
Weight of PC Strand	7S15.2	kg	1131	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	146.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	146.8	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.41	Embedded Sheath in Main Girder

• G3 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.34	$W = 73.36 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	148.59	
	For Bottom	m^2	21.01	
PC Strand				
Length of PC Strand	7S15.2	m	148.5	
Weight of PC Strand	7S15.2	kg	1144	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	148.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	148.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.41	Embedded Sheath in Main Girder

• G4 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.99	$W = 74.98 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	150.24	
	For Bottom	m^2	21.24	
PC Strand				
Length of PC Strand	7S15.2	m	150.1	
Weight of PC Strand	7S15.2	kg	1157	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	150.1	
Length of Grout	$\phi \ 65 \text{ mm}$	m	150.1	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.41	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	817 kg	826 kg	835 kg	843 kg
D16	1911 kg	1970 kg	1999 kg	1968 kg
D13	1550 kg	1562 kg	1581 kg	1596 kg
Total	4278 kg	4358 kg	4415 kg	4407 kg

1-3. PF6 ~ PF7 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specification	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	117.5	
Form Area	For Side and Edge	m^2	591.3	
	For Bottom	m^2	83.6	
PC Strand				
Length of PC Strand	7S15.2	m	590.6	
Weight of PC Strand	7S15.2	kg	4553	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	590.6	
Length of Grout	$\phi \ 65 \text{ mm}$	m	590.6	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3322
		D16	kg	7842
		D13	kg	6289
		Total	kg	17453
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	33.7	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.6	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	65.4	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	524
		D16	kg	279
		D13	kg	308
		Total	kg	1111

(Part2)

	Specification		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	134.6	
Weight of PC Strand	4S15.2		kg	593	
Length of Sheath	φ 45 mm		m	102.1	
Length of Grout	φ 45 mm		m	134.6	
Anchorage for PC Strand	4S15.2		set	24	
Reinforcement Grid	4S15.2		set	24	
Stressing Work	4S15.2		No.	24	
Fixing Device	4S15.2		No.	24	
Deck Slab					
Concrete Volume	σ _{ck} = 30 N/mm ²		m ³	69.7	
Form Area	For Side, Edge and Bottom		m ²	50.7	
Reinforcement Bar	SD345		kg	—	Shall Include Quantity between PF5~PF6
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	75	Standard Plate
	4	750 × 2380 × 100	No.	6	Standard Plate
	5	751 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σ _{ck} = 40 N/mm ²		m ³	19.2	
Form Area			m ²	258.8	
PC Plate Area			m ²	200.0	
Joint Filler	Sponge Tape		m	168.0	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.504	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.085	
Length of PC Strand	1S9.3		m	3105.9	
Weight of PC Strand	1S9.3		kg	1258	
Reinforcement Bar	SD345	D10	kg	1540	
		Total	kg	1540	

2. Summary of Quantity for Each Main Girder

• G1 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.96	W = 72.40 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	144.43	
	For Bottom	m^2	20.42	
PC Strand				
Length of PC Strand	7S15.2	m	144.2	
Weight of PC Strand	7S15.2	kg	1112	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	144.2	
Length of Grout	$\phi \ 65 \text{ mm}$	m	144.2	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.42	Embedded Sheath in Main Girder

• G2 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.01	W = 72.52 t
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	146.68	
	For Bottom	m^2	20.74	
PC Strand				
Length of PC Strand	7S15.2	m	146.5	
Weight of PC Strand	7S15.2	kg	1129	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	146.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	146.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.42	Embedded Sheath in Main Girder

• G3 Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.40	$W = 73.51 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	148.96	
	For Bottom	m^2	21.07	
PC Strand				
Length of PC Strand	7S15.2	m	148.8	
Weight of PC Strand	7S15.2	kg	1147	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	148.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	148.8	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.42	Embedded Sheath in Main Girder

• G4 Girder

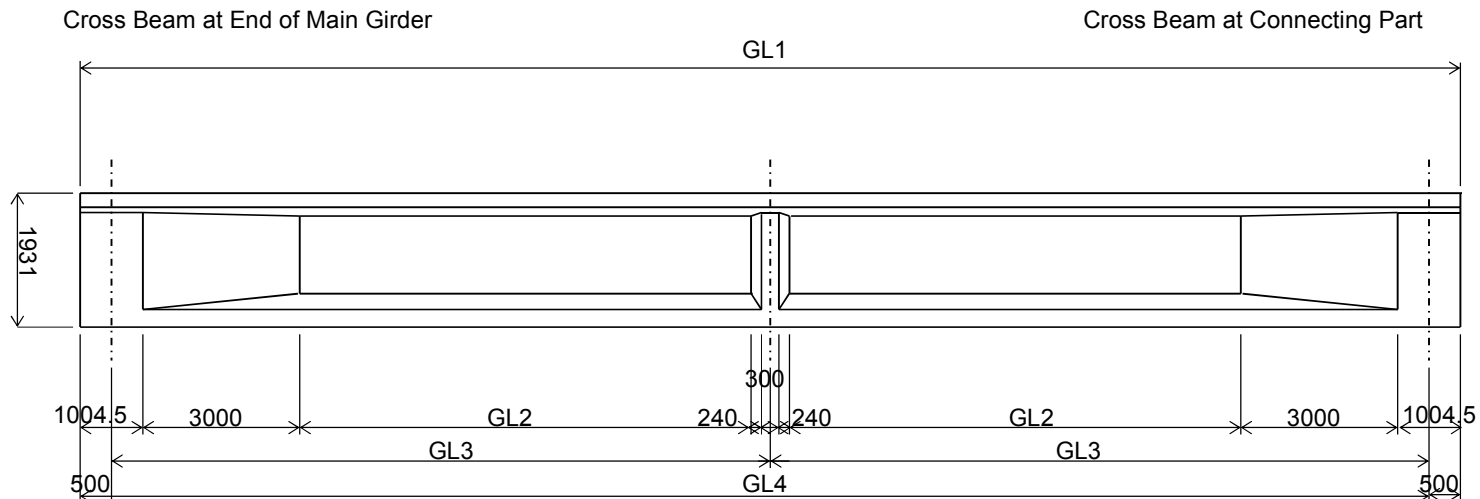
	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	30.17	$W = 75.42 \text{ t}$
Number of Main Girder		No.	1	
Form Area	For Side and Edge	m^2	151.27	
	For Bottom	m^2	21.39	
PC Strand				
Length of PC Strand	7S15.2	m	151.1	
Weight of PC Strand	7S15.2	kg	1165	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	151.1	
Length of Grout	$\phi \ 65 \text{ mm}$	m	151.1	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.42	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	812 kg	824 kg	837 kg	849 kg
D16	1895 kg	1969 kg	1997 kg	1981 kg
D13	1536 kg	1563 kg	1586 kg	1604 kg
Total	4243 kg	4356 kg	4420 kg	4434 kg

§2 PF5-PF6 Quantity Calculation
2-1. Main Girder

(PF5 ~ PF6 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Girder Length (mm)

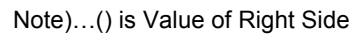
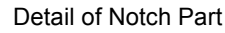
	GL1	GL2	GL3	GL4
G1	29363	10287	14182	28363
G2	29692	10452	14346	28692
G3	30020	10616	14510	29020
G4	30348	10780	14674	29348

• Part Length (m)

	Standard	Cross Beam	Widening	Total
	L0	L1	L2	ΣLg
G1	20.574	2.309	6.480	29.363
G2	20.903	2.309	6.480	29.692
G3	21.231	2.309	6.480	30.020
G4	21.559	2.309	6.480	30.348

- Angle
 - Start Point θ1 = 87.314167
 - End Point θ2 = 92.685833
 - Cross Beam θ3 = 90.000000
- Number of Intermediate Cross Beam
 - Ny1 = 1
- Number of Main Girder
 - Outer Girder : 2
 - Inner Girder : 2
- Length of Standard Part
 - $L0 = GL2 \times 1 + GL2 \times 1$
- Length of Cross Beam Part
 - $L1 = 1.005 + 1.0045 + 0.300 \times 1 = 2.309 \text{ m}$
- Length of Widening Part
 - $L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$

1) Standard Part (Inner Girder)

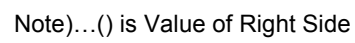
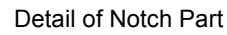


a1-1	=	1 / 2 × (0.200 + 0.326) × 0.540	=	0.1420 m ²
a1-2	=	1 / 2 × (0.326 + 0.337) × 0.220	=	0.0729 m ²
a1-3	=	1 / 2 × (0.337 + 0.263) × 0.540	=	0.1620 m ²
a1-4	=	1 / 2 × (1.150 + 1.150) × 0.220	=	0.2530 m ²
a1-5	=	1 / 2 × (0.220 + 0.700) × 0.250	=	0.1150 m ²
a1-6	=	0.700 × 0.200	=	0.1400 m ²
a1-7	=	− 1 / 2 × (0.100 + 0.100) × 0.120	=	−0.0120 m ²
a1-8	=	− 1 / 2 × (0.100 + 0.100) × 0.120	=	−0.0120 m ²
			a1	= 0.8609 m ²

$$I1 = 0.100 + 0.100 + 0.100 + 0.163 + 0.549 + 0.549$$

$$+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.955 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

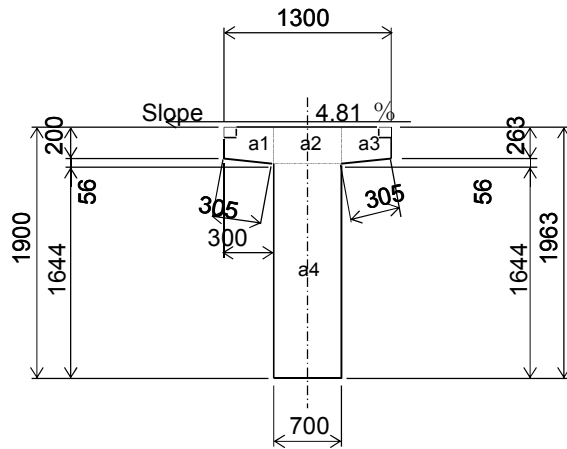
2) Standard Part (Outer Girder)


$$a_1 = 0.8849 + -0.0120 = 0.8729 \text{ m}^2$$
$$I1 = 0.200 + 0.100 + 0.163 + 0.549 + 0.549$$

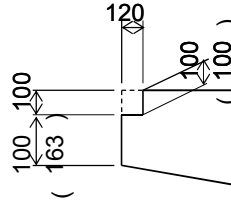
$$+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.955 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.270) \times 0.300 &= 0.0705 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.270 + 0.305) \times 0.700 &= 0.2013 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.305 + 0.263) \times 0.300 &= 0.0852 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.644 + 1.644) \times 0.700 &= 1.1508 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.4838 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

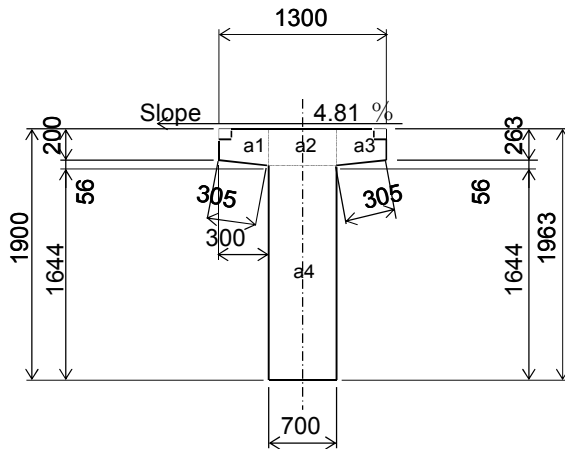
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.163 + 0.305 \\
 &+ 0.305 + 1.644 + 1.644 &= 4.361 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

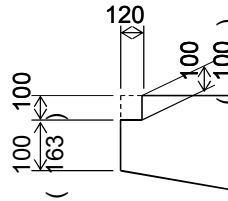
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.5078 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.5078 + -0.0120 = 1.4958 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

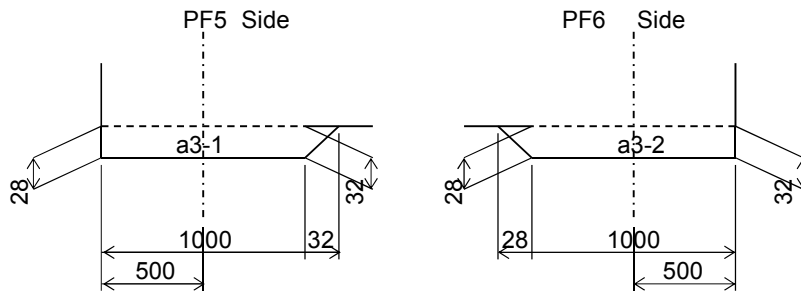
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.163 + 0.305 + 0.305 \\ &\quad + 1.644 + 1.644 = 4.361 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.028 + 0.032) \times 1.000 + 1 / 2 \\
 &\quad \times 0.032 \times 0.032 = 0.0305 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.032 + 0.028) \times 1.000 + 1 / 2 \\
 &\quad \times 0.028 \times 0.028 = 0.0304 \text{ m}^2
 \end{aligned}$$

(3) Increase of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0305 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0304 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increase of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0305 + 0.028 \times 0.700 \times 1.00110 = 0.081 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0304 + 0.032 \times 0.700 \times 1.00110 = 0.083 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Calculation of Concrete Volume

$$V1-1 = a1 \times L0 \quad (= \text{Standard Part})$$

$$V1-2 = a2 \times L1 \quad (= \text{Cross Section Part})$$

$$V1-3 = 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part})$$

$$V1-4 = v-1 + v-2 \quad (= \text{Rare Concrete})$$

Summary of Concrete Volume					(m ³)
	Standard	Supporting	Widening	Rare	Total
G1	17.959	3.454	7.675	0.042	29.130
G2	17.995	3.426	7.597	0.042	29.060
G3	18.278	3.426	7.597	0.042	29.343
G4	18.819	3.454	7.675	0.042	29.990

2) Calculation of Main Girder Weight

• G1 Girder

$$W = V \times \gamma = 29.130 \times 2.50 \text{ t/m}^3 = 72.83 \text{ t}$$

• G2 Girder

$$W = V \times \gamma = 29.060 \times 2.50 \text{ t/m}^3 = 72.65 \text{ t}$$

• G3 Girder

$$W = V \times \gamma = 29.343 \times 2.50 \text{ t/m}^3 = 73.36 \text{ t}$$

• G4 Girder

$$W = V \times \gamma = 29.990 \times 2.50 \text{ t/m}^3 = 74.98 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 87.314167$ $k_1 = 1 / \sin \theta_1 = 1.001100$
 Angle of End Point $\theta_2 = 92.685833$ $k_2 = 1 / \sin \theta_2 = 1.001100$

1) Side Form

$$A1-1 = i_1 \times L_0 \quad (= \text{Standard Part})$$

$$A1-2 = i_2 \times L_1 \quad (= \text{Supporting Part})$$

$$A1-3 = 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part})$$

$$A1-4 = a-1 + a-2 \quad (= \text{Rare Concrete})$$

2) Edge Form

$$A2 = a_2 \times (k_1 + k_2)$$

3) Bottom Form

$$A3-1 = i_1' \times L_0 \quad (= \text{Standard Part})$$

$$A3-2 = i_2' \times L_1 \quad (= \text{Supporting and Connecting Part})$$

$$A3-3 = 1 / 2 \times (i_1' + i_2') \times L_2 \quad (= \text{Widening Part})$$

4) Total

Summary of Form (m²)

	Side Form					Edge Form	Total
	Standard	Supporting	Widening	Rare	Total		
G1	101.944	10.070	30.184	0.164	142.362	2.995	145.357
G2	103.574	10.070	30.184	0.164	143.992	2.971	146.963
G3	105.200	10.070	30.184	0.164	145.618	2.971	148.589
G4	106.825	10.070	30.184	0.164	147.243	2.995	150.238

(m²)

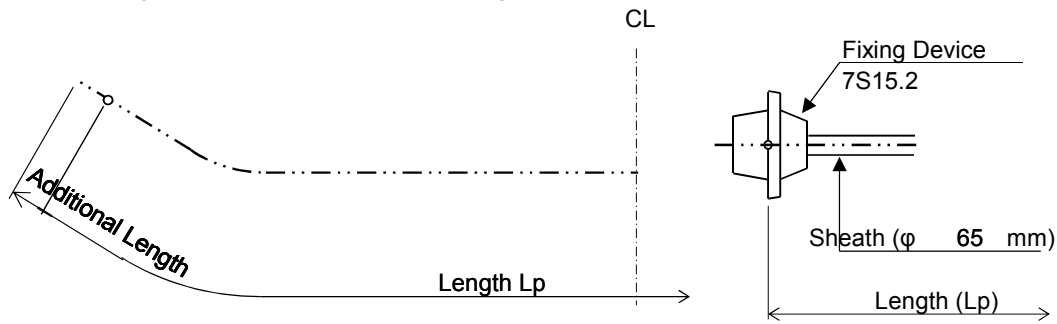
	Bottom Form			
	Standard	Supporting	Widening	Total
G1	14.402	1.616	4.536	20.554
G2	14.632	1.616	4.536	20.784
G3	14.862	1.616	4.536	21.014
G4	15.091	1.616	4.536	21.243

3. PC Strand

- G1 Girder

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.093	1	29.093
C2	29.067	1	29.067
C3	29.041	1	29.041
C4	29.004	1	29.004
C5	28.964	1	28.964
Total	—	5	145.169

- Length (Except Additional Length)

$$\Sigma L1 = 145.169 \quad = \quad 145.169 \text{ m}$$

3) Weight of PC Strand

- Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 145.169 \times 7.707 \text{ kg/m} = 1118.817 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 145.169 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 145.169 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

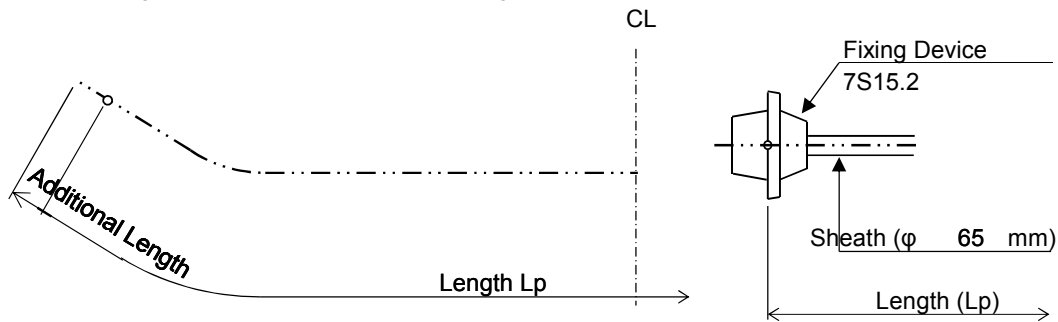
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G2 Girder

1) Specification

Strand	7S15.2 mm (SWPR7BL)
Number	$N_p = 5$ (For Each Main Girder)
Unit Weight	$\gamma_p = 7.707$ kg/m
Stressing Method	Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.422	1	29.422
C2	29.396	1	29.396
C3	29.370	1	29.370
C4	29.333	1	29.333
C5	29.293	1	29.293
Total	—	5	146.814

• Length (Except Additional Length)

$$\Sigma L1 = 146.814 \quad = \quad 146.814 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 146.814 \times 7.707 \text{ kg/m} = 1131.495 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L_1 = 146.814 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L_1 = 146.814 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

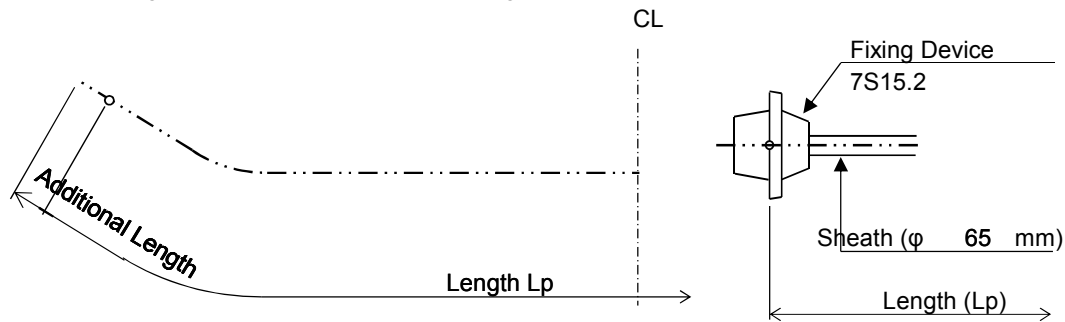
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G3 Girder

1) Specification

Strand	7S15.2 mm (SWPR7BL)
Number	$N_p = 5$ (For Each Main Girder)
Unit Weight	$\gamma_p = 7.707$ kg/m
Stressing Method	Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.750	1	29.750
C2	29.724	1	29.724
C3	29.698	1	29.698
C4	29.661	1	29.661
C5	29.621	1	29.621
Total	—	5	148.454

• Length (Except Additional Length)

$$\Sigma L1 = 148.454 \quad = \quad 148.454 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 148.454 \times 7.707 \text{ kg/m} = 1144.135 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L_1 = 148.454 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L_1 = 148.454 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

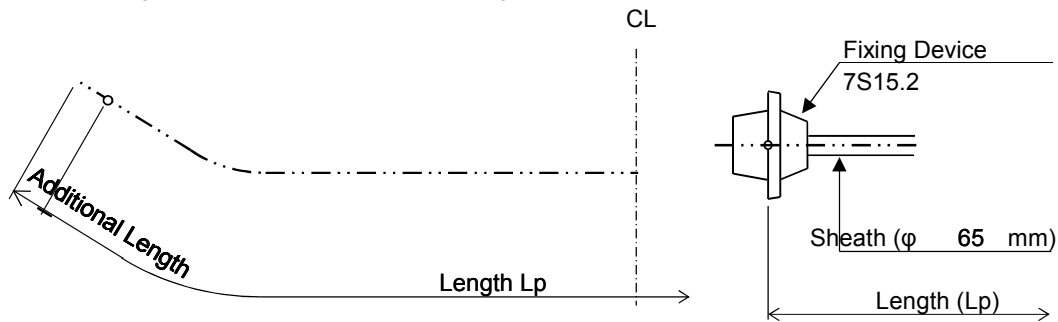
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G4 Girder

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	30.078	1	30.078
C2	30.052	1	30.052
C3	30.026	1	30.026
C4	29.989	1	29.989
C5	29.949	1	29.949
Total	—	5	150.094

• Length (Except Additional Length)

$$\Sigma L1 = 150.094 \quad = \quad 150.094 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 150.094 \times 7.707 \text{ kg/m} = 1156.774 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 150.094 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 150.094 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

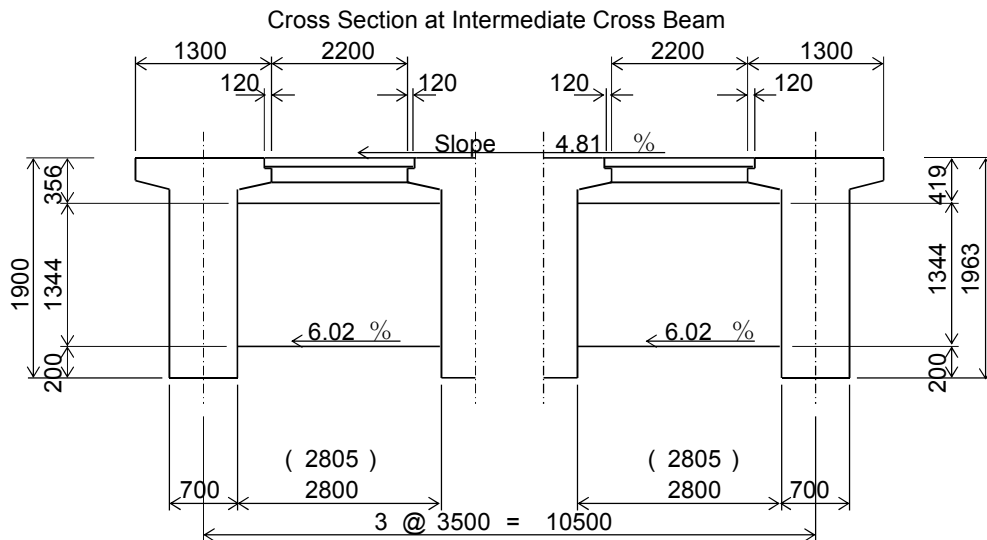
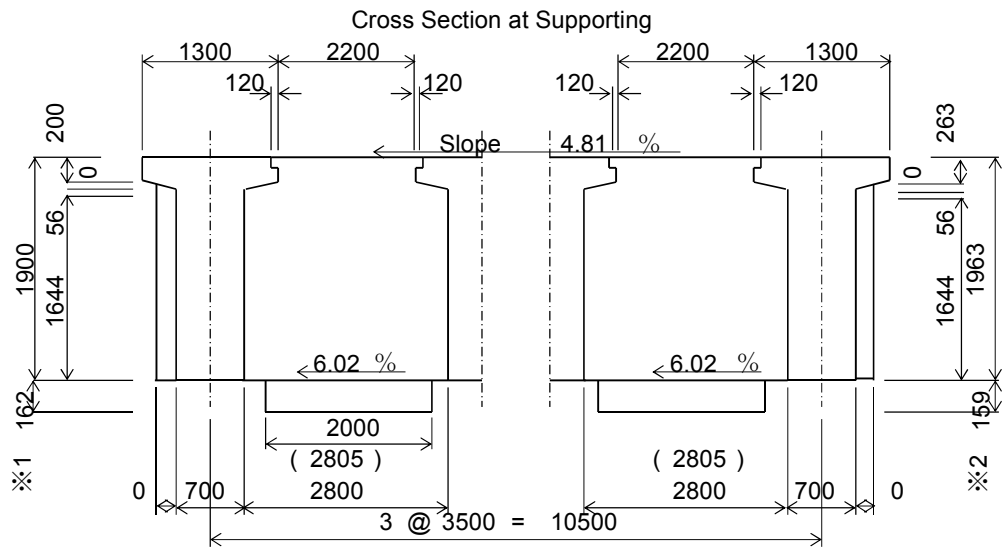
Specification : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	817 kg	826 kg	835 kg	843 kg	3321 kg
D16	1911 kg	1970 kg	1999 kg	1968 kg	7848 kg
D13	1550 kg	1562 kg	1581 kg	1596 kg	6289 kg
Total	4278 kg	4358 kg	4415 kg	4407 kg	17458 kg

2-2. Cross Beam

1) Dimension of Cross Beam



Note...() is Calculated by Bottom Molding Box Length
Depended on Slope

2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.931 - 1.4838 = 5.2747 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.162 \times 2.000 = 0.3240 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.931 - 1.4838 = 5.2747 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.159 \times 2.000 = 0.3180 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = a1+a2 \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.5987 \times 0.900 \times 3 = 15.116 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = a1'+a2' \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.5927 \times 0.950 \times 3 = 15.939 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = a3 \times \text{Width of Cross Beam} \times \text{Number of Position} \times \text{Number of Position (Bridge Axial Direction)}$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.503 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 15.939 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 87.314167$ $k_1 = 1 / \sin \theta_1 = 1.001100$
 Angle of End Point $\theta_2 = 92.685833$ $k_2 = 1 / \sin \theta_2 = 1.001100$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin \theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (2 \times k_1 \times 5.2747 + 2.800 \times 0.900 + 0.162) \times 3 = 40.118 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.2747 + 2.800 \times 0.950 + 0.159) \times 3 = 24.728 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.805 \times 0.300) \times 3 \times 1 = 25.104 \text{ m}^2$$

$$A1 = 65.222 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.728 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

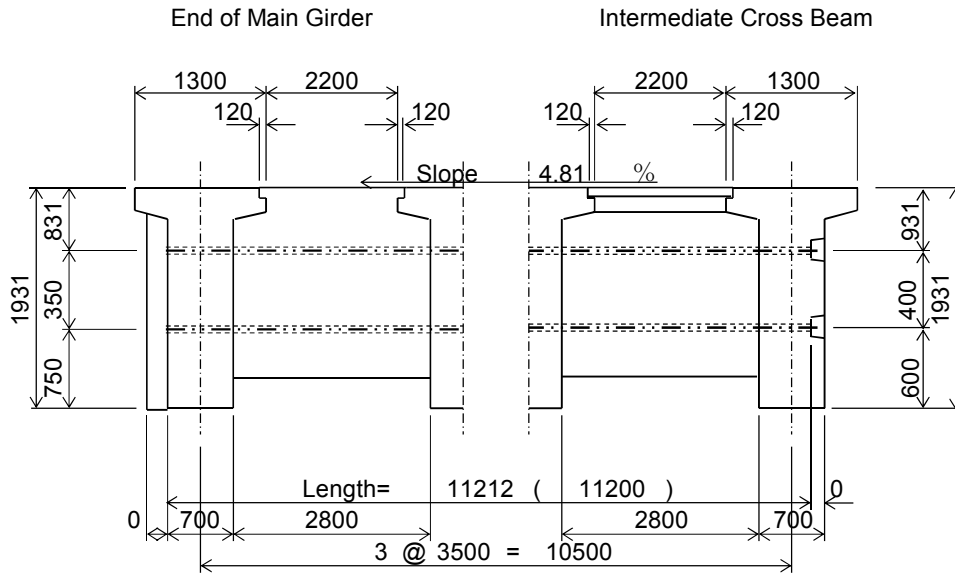
3. Reinforcement Bar

Specification: SD345
Reinforcement Bar

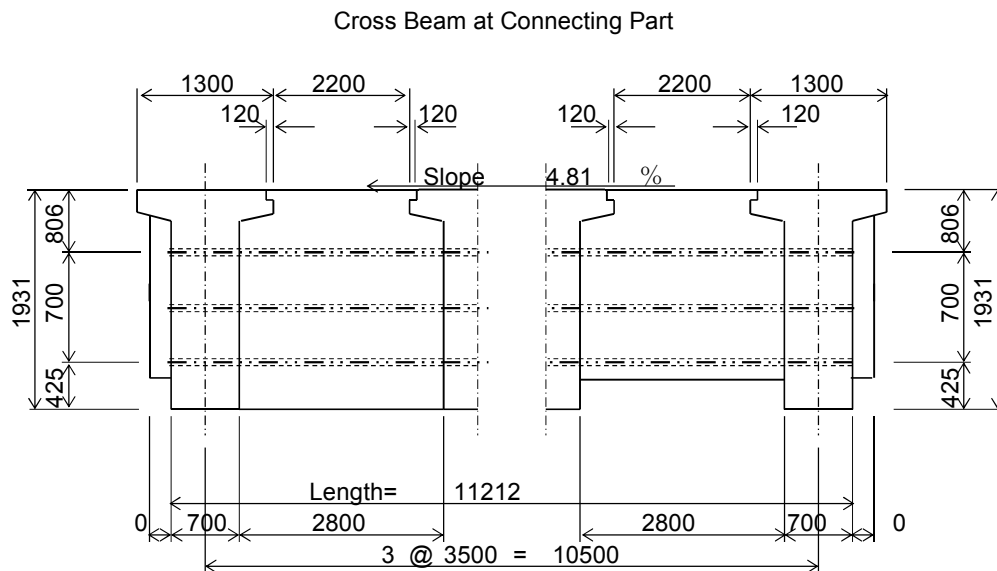
	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	524 kg	0 kg	524 kg
D16	279 kg	0 kg	279 kg
D13	98 kg	210 kg	308 kg
Total	901 kg	210 kg	1111 kg

4. PC Strand for Stressing

Strand	4S15.2 mm (SWPR7BL)
Unit Weight	$\gamma_p = 4.404 \text{ kg/m}$
Stressing Method	Bilateral Stressing
Number	$N_p = 12$



But, () is Value of Intermediate Cross Beam



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.212	4	44.848
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.212	6	67.272
Total	—	12	134.520

• Length (Except Additional Length)

$$\Sigma L1 = 134.520 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.520 \times 4.404 \text{ kg/m} = 592.426 \text{ kg}$$

3) Sheath Length

(1) Sheath Between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{Width} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{Width} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 6 \\
 &\quad + (\text{Width} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 101.972 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 4 + k2 \times 6 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.408 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.520 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

7) Stressing Work (4S15.2)

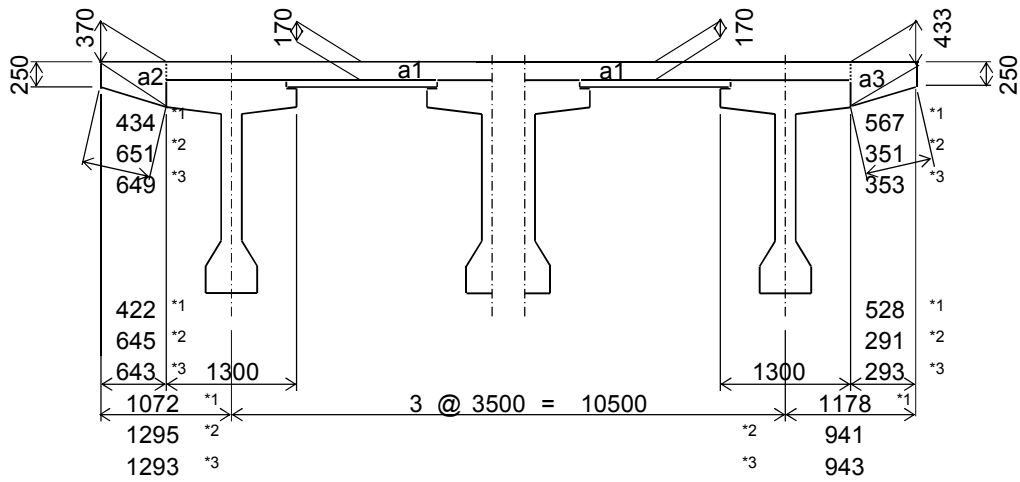
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

8) Fixing Device (4S15.2)

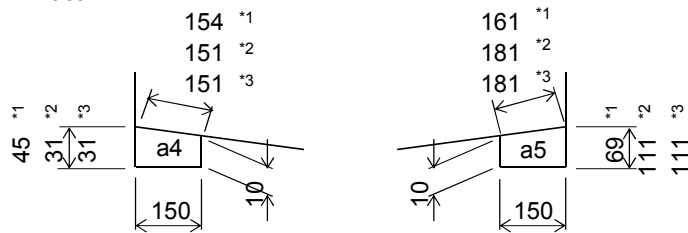
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

2-3. Deck Slab

1) Dimension



• Drain Duct



But, *1...Mean Value of Main Girder
 *2...Dimensions of Starting Point Side
 *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.422^{*1} &= 0.1308 \text{ m}^{2*1} \\
 & & (0.645^{*2}) & (= 0.2000 \text{ m}^{2*2}) \\
 & & ((0.643^{*3})) & ((= 0.1993 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.433) \times 0.528^{*1} &= 0.1803 \text{ m}^{2*1} \\
 & & (0.291^{*2}) & (= 0.0994 \text{ m}^{2*2}) \\
 & & ((0.293^{*3})) & ((= 0.1001 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.045^{*1}) \times 0.150 &= 0.0041 \text{ m}^{2*1} \\
 & & (0.031^{*2}) & (= 0.0031 \text{ m}^{2*2}) \\
 & & ((0.031^{*3})) & ((= 0.0031 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.069^{*1}) \times 0.150 &= 0.0059 \text{ m}^{2*1} \\
 & & (0.111^{*2}) & (= 0.0091 \text{ m}^{2*2}) \\
 & & ((0.111^{*3})) & ((= 0.0091 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3271 \text{ m}^{2*1} \\
 & (= 2.3176 \text{ m}^{2*2}) \\
 & ((= 2.3176 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.434 + 0.045 + 0.150 + 0.010 - 0.154 \\
 &+ 0.250 + 0.567 + 0.069 + 0.150 + 0.010 - 0.161 \\
 &= 1.620 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^{*1} \times \left(\frac{1}{2} \times (L1 + R1) + \text{Right Connecting Part} \right) \\ &= 2.3271 \times \left(\frac{1}{2} \times (29.253 + 30.448) + 0.100 \right) \\ &= 69.698 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= l1 \times \left(\frac{1}{2} \times (L1 + R1) + \text{Right Connecting Part} \right) \\ &= 1.620 \times \left(\frac{1}{2} \times (29.253 + 30.448) + 0.100 \right) \\ &= 48.520 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (PF5 Part)

$$\begin{aligned} A1-2 &= \Sigma a^{*2} \times \frac{1}{\sin \theta 1} \quad \theta 1 = \text{Angle of Starting Point Side} \\ &= 2.3176 \times \frac{1}{1.001100} = 2.320 \text{ m}^2 \end{aligned}$$

$$A1 = 50.840 \text{ m}^2$$

3. Reinforcement Bar Include Quantity between PF6~PF7

Specification: SD345

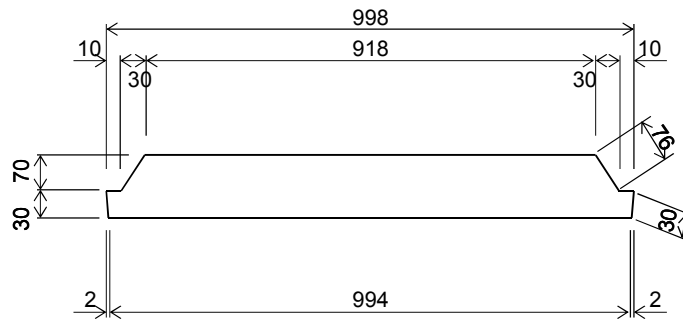
Reinforcement Bar

D22	13667 kg
D19	35068 kg
D16	5406 kg
D13	1696 kg
Total	55837 kg

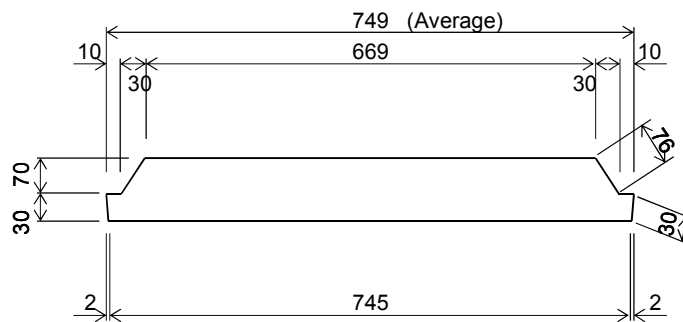
2-4. PC Plate

1) Dimension

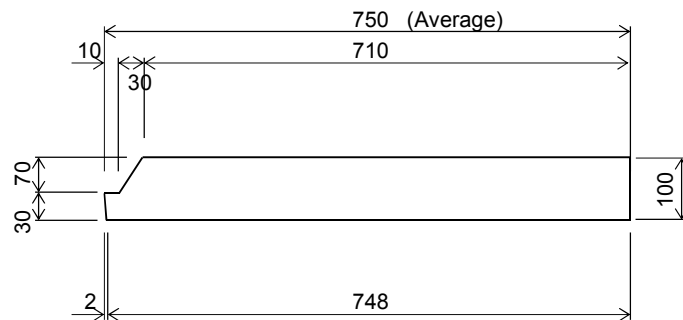
Type① (t = 100 mm)



Type② (t = 100 mm)



Type③ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type②

$$\begin{aligned}
 a2-1 &= 0.749 \times 0.100 &= 0.0749 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a2 &= 0.0713 \text{ m}^2
 \end{aligned}$$

Type③

$$\begin{aligned}
 a2-1 &= 0.750 \times 0.100 &= 0.0750 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0732 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	75	Standard 998 × 2380 × 100
②	6	Standard 749 × 2380 × 100
③	6	Adjustment 750 × 2380 × 100
Total	87	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0713 \times 2.380 &= 0.170 \text{ m}^3 \\
 V3 &= 0.0732 \times 2.380 &= 0.174 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 75 + 0.170 \times 6 + 0.174 \times 6 &= 19.239 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.239 \times 2.50 \text{ t/m}^3 = 48.10 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.076 + 0.030 + 0.745) \times 2.380 + 0.0713 \times 2 = 2.420 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.748) \times 2.380 + 0.0732 \times 2 = 2.417 \text{ m}^2$$

$$\Sigma a = 3.063 \times 75 + 2.420 \times 6 + 2.417 \times 6 = 258.747 \text{ m}^2$$

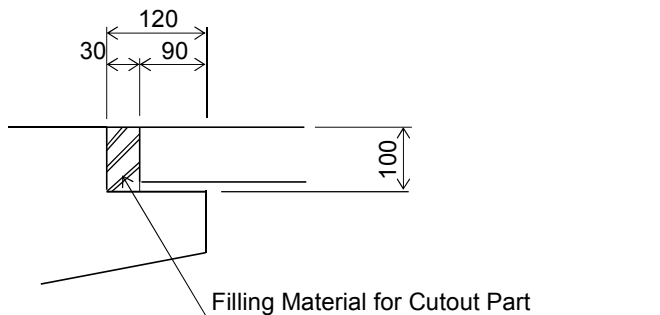
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 75 + 0.751 \times 12) = 199.949 \text{ m}^2$$

5. Joint Filler Specification: 15 mm × 10 mm , Sponge Tape

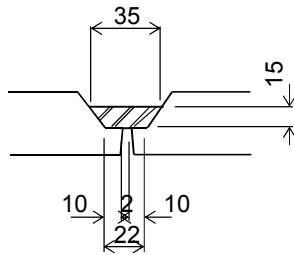
$$L_j = (1.000 \times 75 + 0.751 \times 12) \times 2 = 168.024 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 75 + 0.751 \times 12) \times 2 = 0.504 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 28 \times 3 = 199.920 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 199.920 = 0.085 \text{ m}^3$$

8. PC Strand

1) Specification

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(for Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 87 = 3105.900 \text{ m}$$

3) Weight of PC Strand

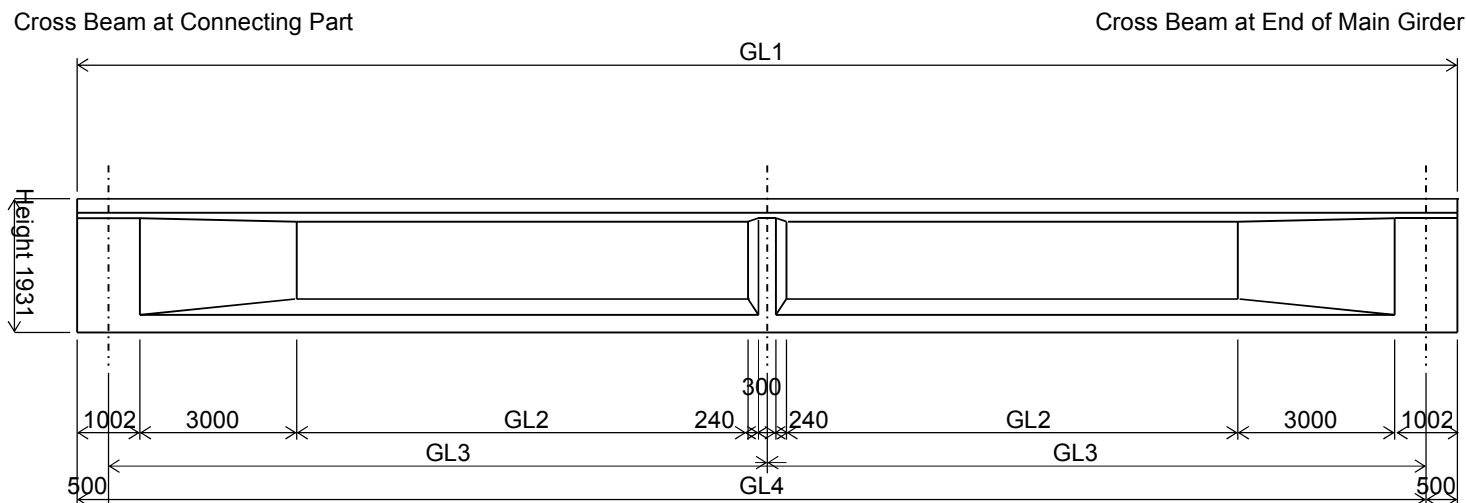
$$W = \Sigma L \times y_p = 3105.900 \times 0.405 \text{ kg/m} = 1257.890 \text{ kg}$$

9. Reinforcement Bar

Specification:	SD345
Reinforcement Bar	
D10	1540 kg
Total	1540 kg

§3 PF6-PF7 Quantity Calculation
3-1. Main Girder

(PF6 ~ PF7 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Girder Length (mm)

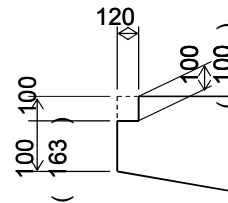
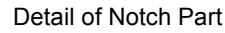
	GL1	GL2	GL3	GL4
G1	29174	10195	14087	28174
G2	29634	10425	14317	28634
G3	30094	10655	14547	29094
G4	30554	10885	14777	29554

• Part Length (m)

	Standard L0	Cross Beam L1	Widening L2	Total ΣLg
G1	20.390	2.304	6.480	29.174
G2	20.850	2.304	6.480	29.634
G3	21.310	2.304	6.480	30.094
G4	21.770	2.304	6.480	30.554

- Angle
 - Start Point θ1 = 87.370833
 - End Point θ2 = 94.886667
 - Cross Beam θ3 = 91.133611
- Number of Intermediate Cross Beam
 - Ny1 = 1
- Number of Main Girder
 - Outer Girder : 2
 - Inner Girder : 2
- Length of Standard Part
 - $L0 = GL2 \times 1 + GL2 \times 1$
- Length of Cross Beam Part
 - $L1 = 1.002 + 1.002 + 0.300 \times 1 = 2.304 \text{ m}$
- Length of Widening Part
 - $L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$

1) Standard Part (Inner Girder)



- Calculation of Cross Section Area

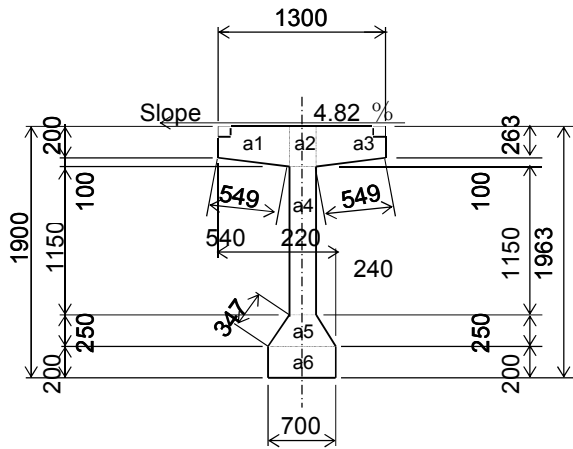
a1-1	=	1 / 2 × (0.200 + 0.326) × 0.540	=	0.1420 m ²
a1-2	=	1 / 2 × (0.326 + 0.337) × 0.220	=	0.0729 m ²
a1-3	=	1 / 2 × (0.337 + 0.263) × 0.540	=	0.1620 m ²
a1-4	=	1 / 2 × (1.150 + 1.150) × 0.220	=	0.2530 m ²
a1-5	=	1 / 2 × (0.220 + 0.700) × 0.250	=	0.1150 m ²
a1-6	=	0.700 × 0.200	=	0.1400 m ²
a1-7	=	− 1 / 2 × (0.100 + 0.100) × 0.120	=	−0.0120 m ²
a1-8	=	− 1 / 2 × (0.100 + 0.100) × 0.120	=	−0.0120 m ²
			a1	= 0.8609 m ²

$$I1 = 0.100 + 0.100 + 0.100 + 0.163 + 0.549 + 0.549$$

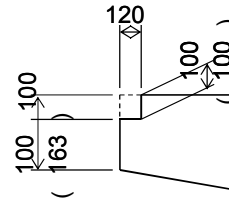
$$+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.955 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8849 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8849 + -0.0120 = 0.8729 \text{ m}^2$$

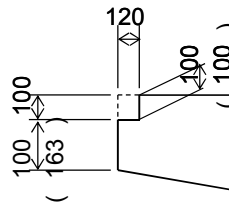
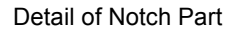
• Calculation of Perimeter of Form (Side)

$$\begin{aligned} l1 &= 0.200 + 0.100 + 0.163 + 0.549 + 0.549 \\ &+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.955 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$l1' = 0.700 \text{ m}$$

3) Supporting Part (Inner Girder)



- Calculation of Cross Section Area

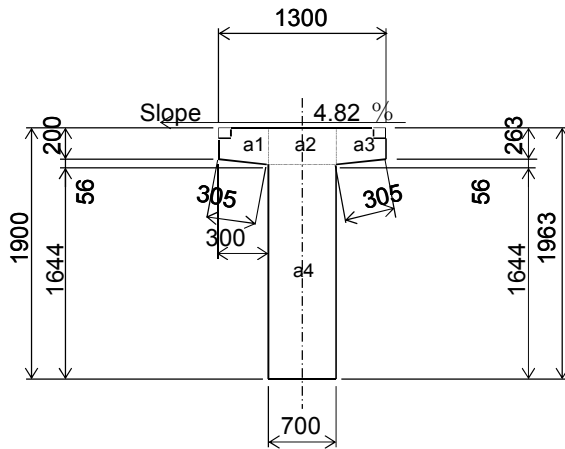
- Calculation of Perimeter of Form (Side)

- Calculation of Perimeter of Form (Bottom)

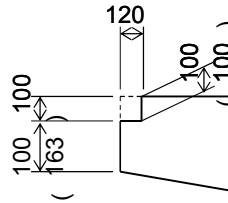
44

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.5078 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.5078 + -0.0120 = 1.4958 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

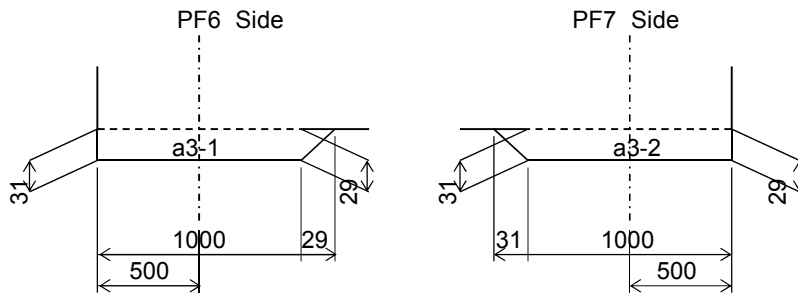
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.163 + 0.305 + 0.305 \\ &\quad + 1.644 + 1.644 = 4.361 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.031 + 0.029) \times 1.000 + 1 / 2 \\
 &\quad \times 0.029 \times 0.029 = 0.0304 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.029 + 0.031) \times 1.000 + 1 / 2 \\
 &\quad \times 0.031 \times 0.031 = 0.0305 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0304 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0305 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0304 + 0.031 \times 0.700 \times 1.001054 = 0.083 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0305 + 0.029 \times 0.700 \times 1.003648 = 0.081 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Calculation of Concrete Volume

$$V1-1 = a1 \times L0 \quad (= \text{Standard Part})$$

$$V1-2 = a2 \times L1 \quad (= \text{Cross Section Part})$$

$$V1-3 = 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part})$$

$$V1-4 = v-1 + v-2 \quad (= \text{Rare Concrete})$$

Summary of Concrete Volume					(m ³)
	Standard	Supporting	Widening	Rare	Total
G1	17.798	3.446	7.675	0.042	28.961
G2	17.950	3.419	7.597	0.042	29.008
G3	18.346	3.419	7.597	0.042	29.404
G4	19.003	3.446	7.675	0.042	30.166

2) Calculation of Main Girder Weight

• G1 Girder

$$W = V \times \gamma = 28.961 \times 2.50 \text{ t/m}^3 = 72.40 \text{ t}$$

• G2 Girder

$$W = V \times \gamma = 29.008 \times 2.50 \text{ t/m}^3 = 72.52 \text{ t}$$

• G3 Girder

$$W = V \times \gamma = 29.404 \times 2.50 \text{ t/m}^3 = 73.51 \text{ t}$$

• G4 Girder

$$W = V \times \gamma = 30.166 \times 2.50 \text{ t/m}^3 = 75.42 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 87.370833$ $k_1 = 1 / \sin \theta_1 = 1.001054$
 Angle of End Point $\theta_2 = 94.886667$ $k_2 = 1 / \sin \theta_2 = 1.003648$

1) Side Form

$$A1-1 = i_1 \times L_0 \quad (= \text{Standard Part})$$

$$A1-2 = i_2 \times L_1 \quad (= \text{Supporting Part})$$

$$A1-3 = 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part})$$

$$A1-4 = a-1 + a-2 \quad (= \text{Rare Concrete})$$

2) Edge Form

$$A2 = a_2 \times (k_1 + k_2)$$

3) Bottom Form

$$A3-1 = i_1' \times L_0 \quad (= \text{Standard Part})$$

$$A3-2 = i_2' \times L_1 \quad (= \text{Supporting and Connecting Part})$$

$$A3-3 = 1 / 2 \times (i_1' + i_2') \times L_2 \quad (= \text{Widening Part})$$

4) Total

Summary of Form (m²)

	Side Form					Edge Form	Total
	Standard	Supporting	Widening	Rare	Total		
G1	101.032	10.048	30.184	0.164	141.428	2.999	144.427
G2	103.312	10.048	30.184	0.164	143.708	2.975	146.683
G3	105.591	10.048	30.184	0.164	145.987	2.975	148.962
G4	107.870	10.048	30.184	0.164	148.266	2.999	151.265

(m²)

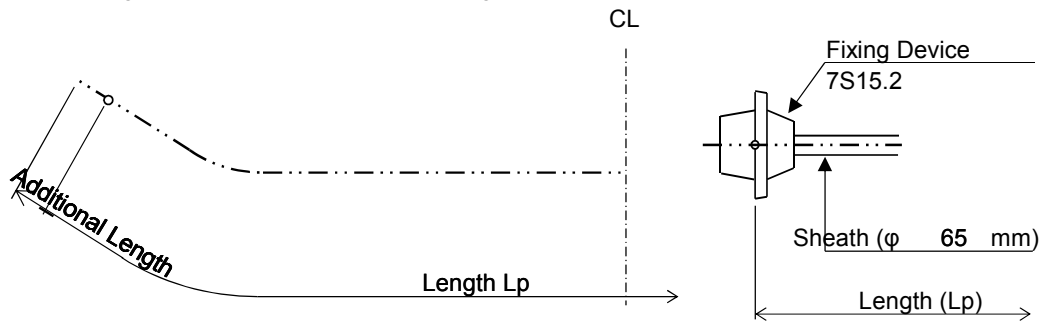
	Bottom Form			
	Standard	Supporting	Widening	Total
G1	14.273	1.613	4.536	20.422
G2	14.595	1.613	4.536	20.744
G3	14.917	1.613	4.536	21.066
G4	15.239	1.613	4.536	21.388

3. PC Strand

- G1 Girder

1) Specification

Strand	7S15.2 mm (SWPR7BL)
Number	$N_p = 5$ (For Each Main Girder)
Unit Weight	$\gamma_p = 7.707$ kg/m
Stressing Method	Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	28.908	1	28.908
C2	28.883	1	28.883
C3	28.857	1	28.857
C4	28.819	1	28.819
C5	28.779	1	28.779
Total	—	5	144.246

- Length (Except Additional Length)

$$\Sigma L1 = 144.246 \quad = \quad 144.246 \text{ m}$$

3) Weight of PC Strand

- Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 144.246 \times 7.707 \text{ kg/m} = 1111.704 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 144.246 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 144.246 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

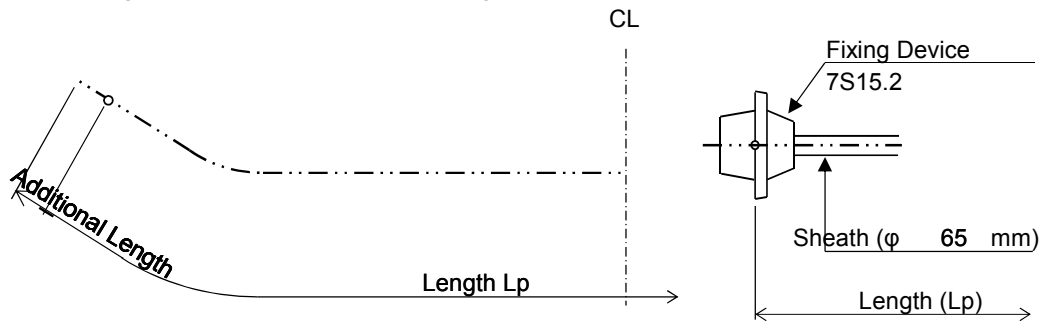
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G2 Girder

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.368	1	29.368
C2	29.343	1	29.343
C3	29.317	1	29.317
C4	29.279	1	29.279
C5	29.239	1	29.239
Total	—	5	146.546

• Length (Except Additional Length)

$$\Sigma L1 = 146.546 \quad = \quad 146.546 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 146.546 \times 7.707 \text{ kg/m} = 1129.430 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L_1 = 146.546 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L_1 = 146.546 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

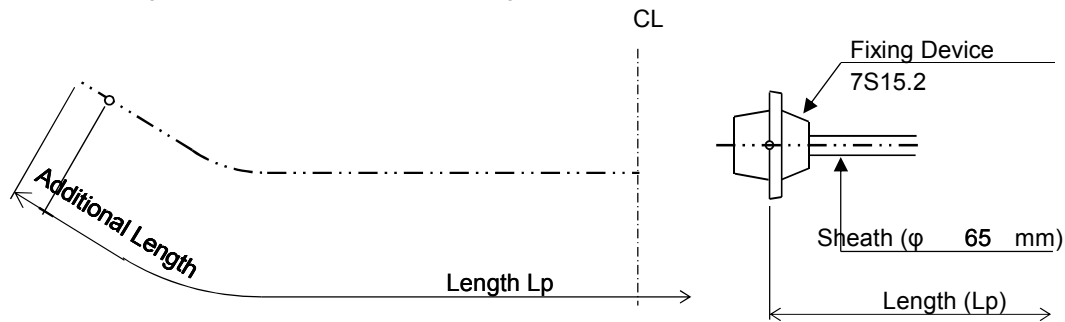
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G3 Girder

1) Specification

Strand	7S15.2 mm (SWPR7BL)
Number	$N_p = 5$ (For Each Main Girder)
Unit Weight	$\gamma_p = 7.707$ kg/m
Stressing Method	Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.828	1	29.828
C2	29.803	1	29.803
C3	29.777	1	29.777
C4	29.739	1	29.739
C5	29.699	1	29.699
Total	—	5	148.846

• Length (Except Additional Length)

$$\Sigma L1 = 148.846 \quad = \quad 148.846 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 148.846 \times 7.707 \text{ kg/m} = 1147.156 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 148.846 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 148.846 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

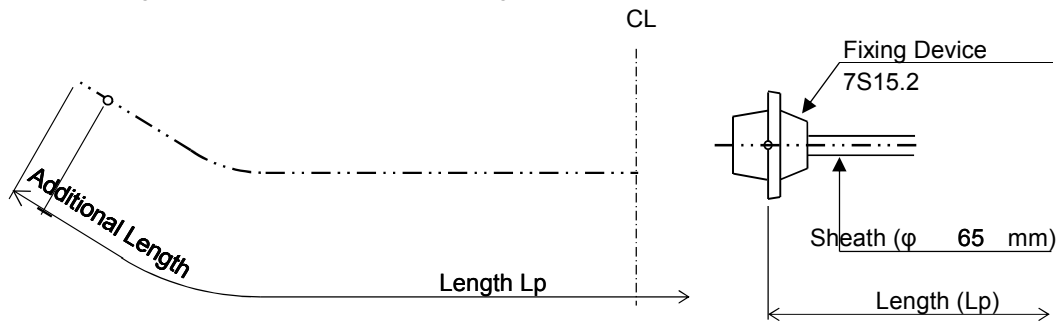
8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

• G4 Girder

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	30.288	1	30.288
C2	30.263	1	30.263
C3	30.237	1	30.237
C4	30.199	1	30.199
C5	30.159	1	30.159
Total	—	5	151.146

• Length (Except Additional Length)

$$\Sigma L1 = 151.146 \quad = \quad 151.146 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 151.146 \times 7.707 \text{ kg/m} = 1164.882 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 151.146 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 151.146 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

Specification : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	812 kg	824 kg	837 kg	849 kg	3322 kg
D16	1895 kg	1969 kg	1997 kg	1981 kg	7842 kg
D13	1536 kg	1563 kg	1586 kg	1604 kg	6289 kg
Total	4243 kg	4356 kg	4420 kg	4434 kg	17453 kg

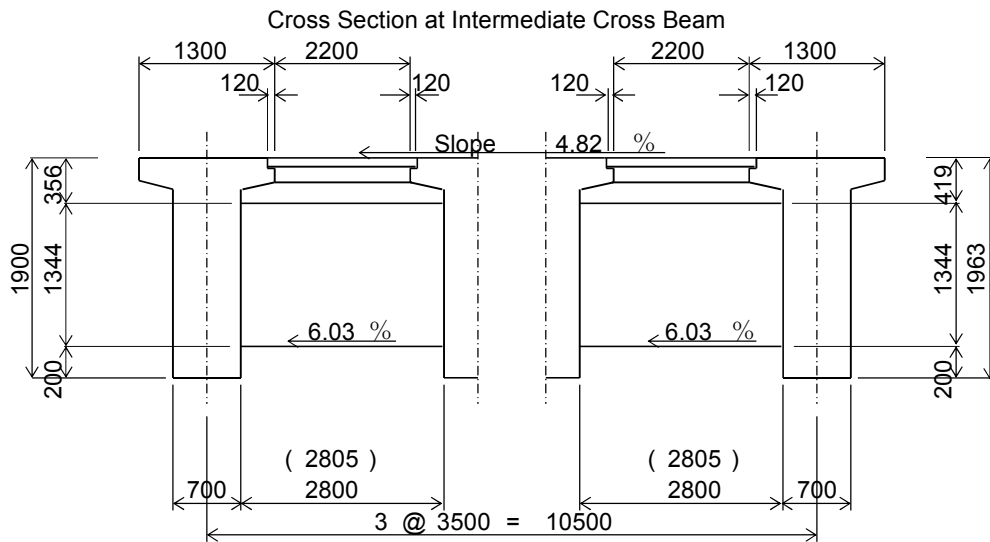
1) Dimension of Cross Beam

Cross Section at Supporting

The diagram illustrates the cross-section of a bridge at its supports, featuring two piers. Key dimensions and specifications include:

- Top Deck Dimensions:** Total width is 1300 + 2200 + 1300 = 4800. Individual pier widths are 2200, with 1200 gaps between them.
- Vertical Dimensions:** Total height is 1900. Pier height is 1644. Deck thickness is 160. Top slab thickness is 200. Bottom slab thickness is 176.
- Slopes:** Top deck slope is 4.82%. Bottom pier slope is 6.03%.
- Bottom Pier Dimensions:** Total width is 2800. Pier width is 2000. Pier height is 160.
- Bottom Pier Spacing:** 3 @ 3500 = 10500.
- Bottom Pier Slope:** 6.03%.
- Bottom Pier Dimensions:** 2800 (total width), 2805 (pier width), 2800 (pier height).
- Bottom Pier Slope:** 6.03%.
- Bottom Pier Dimensions:** 2800 (total width), 2805 (pier width), 2800 (pier height).
- Bottom Pier Slope:** 6.03%.
- Bottom Pier Dimensions:** 2800 (total width), 2805 (pier width), 2800 (pier height).
- Bottom Pier Slope:** 6.03%.

※2 Dimensions of End Point



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2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.931 - 1.4838 = 5.2747 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.160 \times 2.000 = 0.3200 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.931 - 1.4838 = 5.2747 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.176 \times 2.000 = 0.3520 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = \frac{\text{Width of}}{a1+a2} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.5947 \times 0.950 \times 3 = 15.945 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = \frac{\text{Width of}}{a1'+a2'} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.6267 \times 0.900 \times 3 = 15.192 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = \frac{\text{Width of}}{a3} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}} \times \frac{\text{Number of Position}}{\text{(Bridge Axial Direction)}}$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.579 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 15.945 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 87.370833$ $k_1 = 1 / \sin\theta_1 = 1.001054$
 Angle of End Point $\theta_2 = 94.886667$ $k_2 = 1 / \sin\theta_2 = 1.003648$
 Angle of Intermediate Cross Beam $\theta_3 = 91.133611$ $k_3 = 1 / \sin\theta_3 = 1.000196$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.2747 + 2.800 \times 0.950 + 0.160) \times 3 = 24.733 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (2 \times k_2 \times 5.2747 + 2.800 \times 0.900 + 0.176) \times 3 = 40.274 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.800 \times 0.300) \times 3 \times 1 = 25.104 \text{ m}^2$$

$$A1 = 65.378 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.733 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

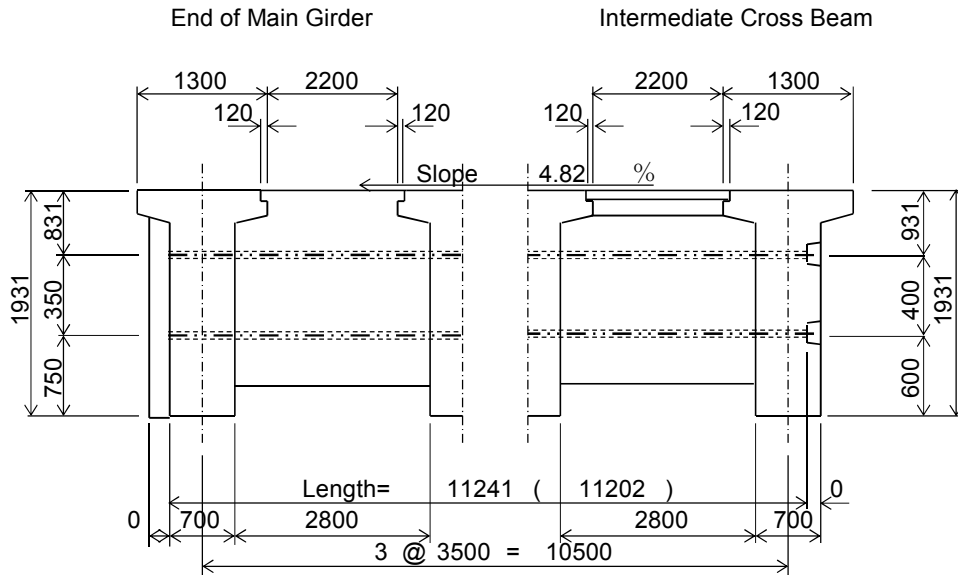
3. Reinforcement Bar

Specification: SD345
Reinforcement Bar

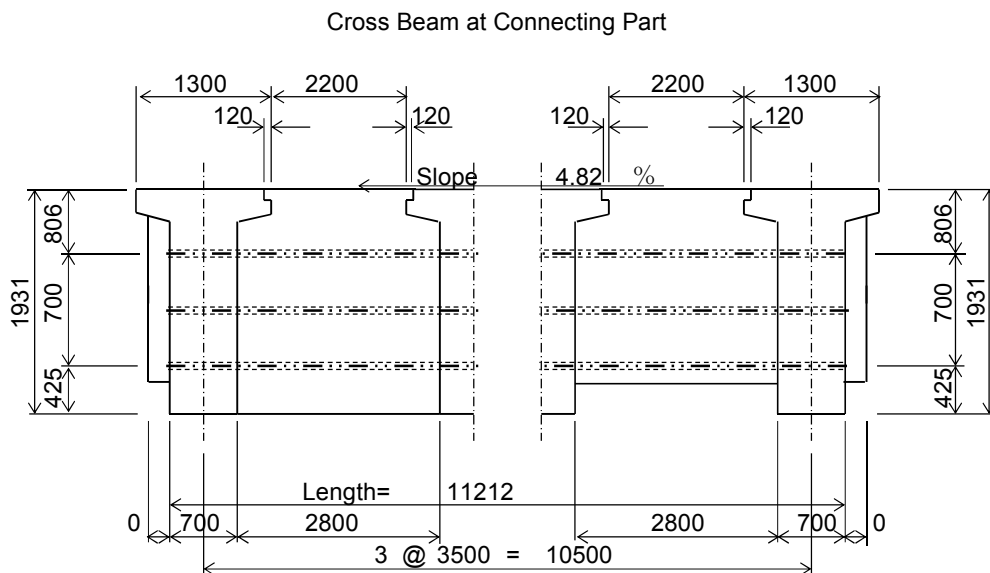
	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	524 kg	0 kg	524 kg
D16	279 kg	0 kg	279 kg
D13	98 kg	210 kg	308 kg
Total	901 kg	210 kg	1111 kg

4. PC Strand for Stressing

Strand 4S15.2 mm (SWPR7BL)
 Unit Weight $\gamma_p = 4.404$ kg/m
 Stressing Method Bilateral Stressing
 Number $N_p = 12$



But, () is Value of Intermediate Cross Beam



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1=L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.241	4	44.964
Intermediate Cross Beam	11.202	2	22.404
Connecting Cross Beam	11.212	6	67.272
Total	—	12	134.640

• Length (Except Additional Length)

$$\Sigma L1 = 134.640 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.640 \times 4.404 \text{ kg/m} = 592.955 \text{ kg}$$

3) Sheath Length

(1) Sheath Between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{Width} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 6 \\
 &\quad + (\text{Width} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{Width} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 102.059 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= k1 \times 6 + k2 \times 4 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.415 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.640 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

7) Stressing Work (4S15.2)

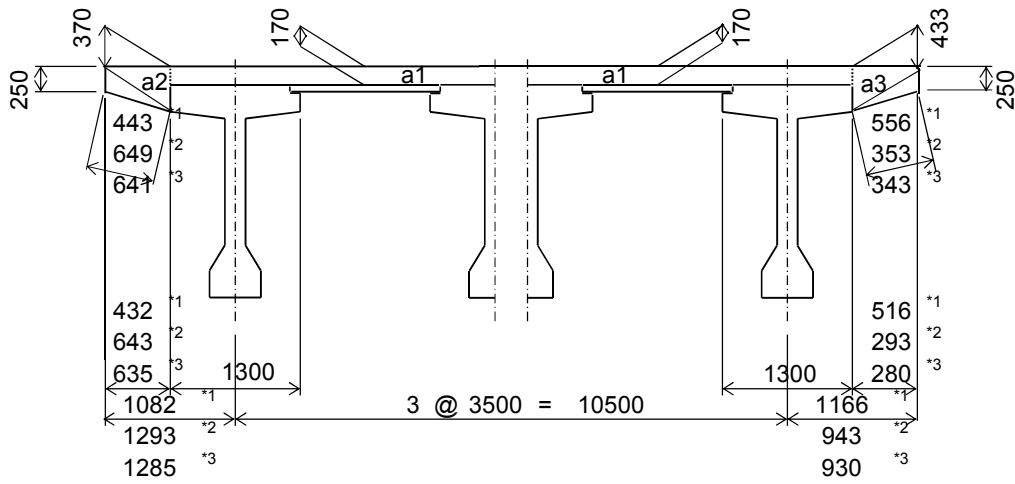
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

8) Fixing Device (4S15.2)

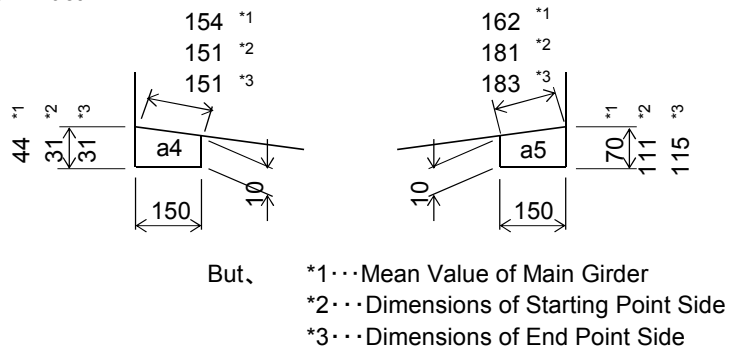
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

3-3. Deck Slab

1) Dimension



• Drain Duct



2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.432^{*1} &= 0.1339 \text{ m}^{2*1} \\
 & & (0.643^{*2}) & (= 0.1993 \text{ m}^{2*2}) \\
 & & ((0.635^{*3})) & ((= 0.1969 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.433) \times 0.516^{*1} &= 0.1762 \text{ m}^{2*1} \\
 & & (0.293^{*2}) & (= 0.1001 \text{ m}^{2*2}) \\
 & & ((0.280^{*3})) & ((= 0.0956 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.044^{*1}) \times 0.150 &= 0.0041 \text{ m}^{2*1} \\
 & & (0.031^{*2}) & (= 0.0031 \text{ m}^{2*2}) \\
 & & ((0.031^{*3})) & ((= 0.0031 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.070^{*1}) \times 0.150 &= 0.0060 \text{ m}^{2*1} \\
 & & (0.111^{*2}) & (= 0.0091 \text{ m}^{2*2}) \\
 & & ((0.115^{*3})) & ((= 0.0094 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3262 \text{ m}^{2*1} \\
 & (= 2.3176 \text{ m}^{2*2}) \\
 & ((= 2.3110 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of The Form

$$\begin{aligned}
 p1 &= 0.250 + 0.443 + 0.044 + 0.150 + 0.010 - 0.154 \\
 &+ 0.250 + 0.556 + 0.070 + 0.150 + 0.010 - 0.162 \\
 &= 1.617 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^1 \times (\text{Left Connecting Part} + 1 / 2 \times (L1 + R1)) \\ &= 2.3262 \times (0.100 + 1 / 2 \times (29.014 + 30.687)) \\ &= 69.671 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= i1 \times (\text{Left Connecting Part} + 1 / 2 \times (L1 + R1)) \\ &= 1.617 \times (0.100 + 1 / 2 \times (29.014 + 30.687)) \\ &= 48.430 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form(PF7 Part)

$$\begin{aligned} A1-2 &= \Sigma a^2 \times 1 / \sin \theta 2 & \theta 2 &= \text{Angle of End Point Side} \\ &= 2.3110 \times 1.003648 & &= 2.319 \text{ m}^2 \end{aligned}$$

$$A1 = 50.749 \text{ m}^2$$

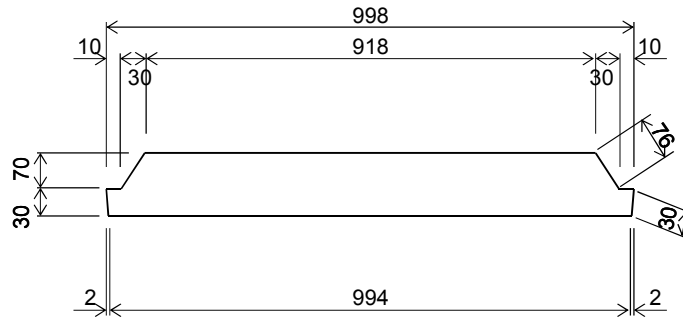
3. Reinforcement Bar

Note...Shall Include Quantity between PF5~PF6

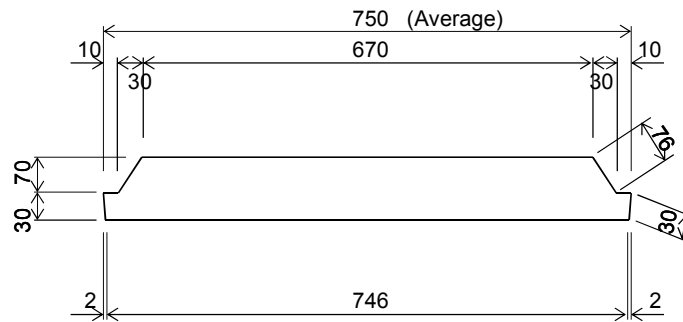
3-4. PC Plate

1) Dimension

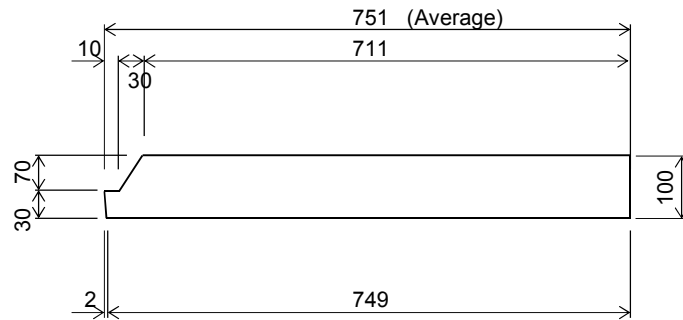
Type① (t = 100 mm)



Type④ (t = 100 mm)



Type⑤ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type④

$$\begin{aligned}
 a2-1 &= 0.750 \times 0.100 &= 0.0750 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a2 &= 0.0714 \text{ m}^2
 \end{aligned}$$

Type⑤

$$\begin{aligned}
 a3-1 &= 0.751 \times 0.100 &= 0.0751 \text{ m}^2 \\
 a3-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a3-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0733 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	75	Standard 998 × 2380 × 100
④	6	Standard 750 × 2380 × 100
⑤	6	Adjustment 751 × 2380 × 100
Total	87	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0714 \times 2.380 &= 0.170 \text{ m}^3 \\
 V3 &= 0.0733 \times 2.380 &= 0.174 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 75 + 0.170 \times 6 + 0.174 \times 6 &= 19.239 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.239 \times 2.50 \text{ t/m}^3 = 48.10 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.076 + 0.030 + 0.746) \times 2.380 + 0.0714 \times 2 = 2.423 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.749) \times 2.380 + 0.0733 \times 2 = 2.420 \text{ m}^2$$

$$\Sigma a = 3.063 \times 75 + 2.423 \times 6 + 2.420 \times 6 = 258.783 \text{ m}^2$$

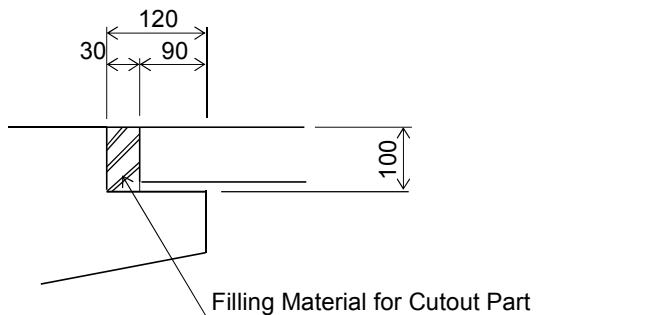
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 75 + 0.752 \times 12) = 199.977 \text{ m}^2$$

5. Joint Filler Specification: 15 mm × 10 mm , Sponge Tape

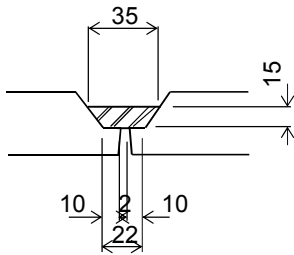
$$L_j = (1.000 \times 75 + 0.752 \times 12) \times 2 = 168.048 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 75 + 0.752 \times 12) \times 2 = 0.504 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 28 \times 3 = 199.920 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 199.920 = 0.085 \text{ m}^3$$

8. PC Strand

1) Specification

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(For Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 87 = 3105.900 \text{ m}$$

3) Weight of PC Strand

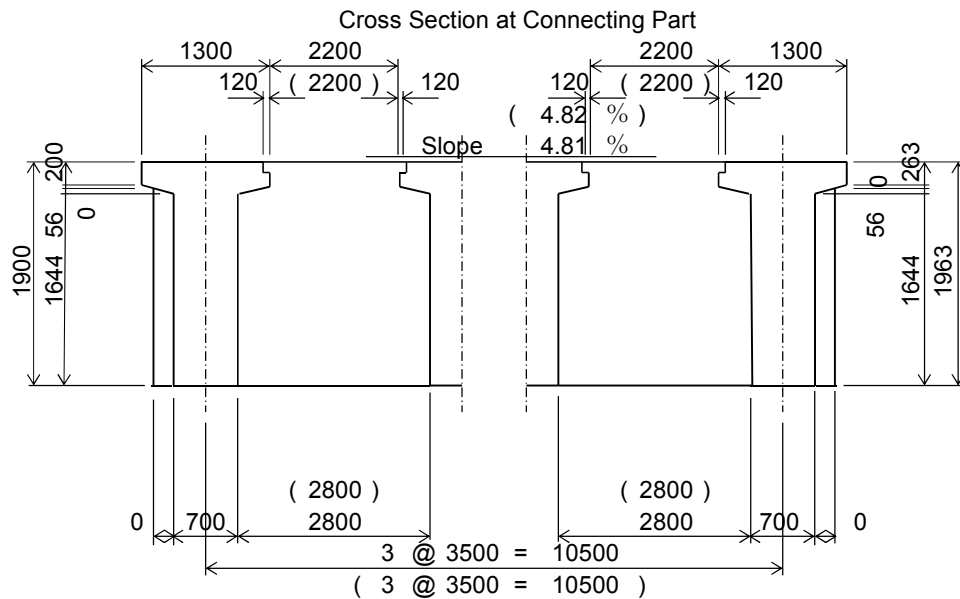
$$W = \Sigma L \times y_p = 3105.900 \times 0.405 \text{ kg/m} = 1257.890 \text{ kg}$$

9. Reinforcement Bar

Specification:	SD345
Reinforcement Bar	
D10	1540 kg
Total	1540 kg

§4 Connecting Part

1) Dimension PF6 Cross Section



But, $()$ is Dimensions of End Point Side

PF6	Angle of Starting Point $\theta_1 = 92.685833$	$k_1 = 1 / \sin\theta_1 = 1.001100$
	Angle of End Point $\theta_2 = 87.370833$	$k_2 = 1 / \sin\theta_2 = 1.001054$

2) Calculation of Cross Section Area and Perimeter of The Form

- Sum of Cross Section Area of Main Girder and Cross Beam

$$a_1 = \frac{PF_5 \sim PF_6 \text{ Side}}{3 \times 3.500 \times (1.931 + 1.5078) \times k_1} = 21.8073 \text{ m}^2$$

(Notchless Cross Section Area of Main Girder)

$$a_2 = \left(\frac{PF_6}{3} \times \frac{PF_7}{3.500} \times 1.931 + 1.5078 \right) \times k_2 = 21.8063 \text{ m}^2$$

(Notchless Cross Section Area of Main Girder)

- Sum of Bottom Form Length of Main Girder and Cross Beam

$$r1 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$$

$$i_2 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$$

3) Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1-1 &= 21.8073 \times 0.100 + 21.8063 \times 0.100 &= 4.361 \text{ m}^3 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 V1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 15.939 + 15.945 &&= 31.884 \text{ m}^3 \\
 \hline
 V1 &= 36.245 \text{ m}^3
 \end{aligned}$$

4) Calculation of Form Area

$$\begin{aligned}
 A1-1 &= 11.200 \times 0.100 + 11.200 \times 0.100 &= 2.240 \text{ m}^2 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 A1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 24.728 + 24.733 &&= 49.461 \text{ m}^2 \\
 \hline
 A1 &= 51.701 \text{ m}^2
 \end{aligned}$$

5) Reinforcement Bar

Specification:	SD345
Reinforcement Bar	
D22	1728 kg
D19	0 kg
D16	4303 kg
D13	197 kg
Total	6228 kg

§5 Scaffolding

1. Scaffolding Under Main Girder

$$A = 12.750 \times 60.000 = 765.000 \text{ m}^3$$

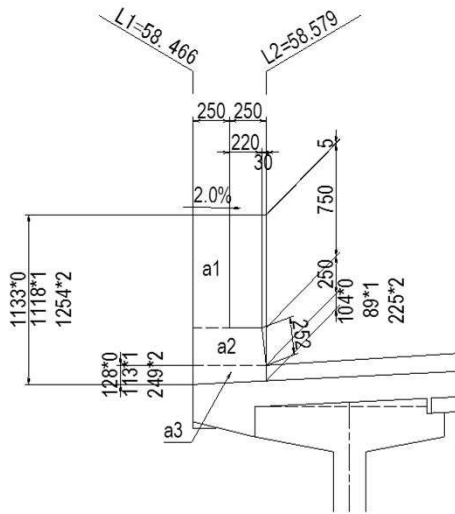
2. Side Scaffolding

$$L = 30.000 \times 2 = 60.000 \text{ m}$$

§6 Bridge Surface

6-1. Karb and Barrier

1. Left Side Barrier



• Calculation of Cross Section Area

$$a1 = 0.1881 \text{ m}^2$$

$$a2 = 0.1213 \text{ m}^2$$

$$a3 = 0.0580 \text{ m}^2$$

$$(a3) = 0.0505 \text{ m}^2$$

$$\{a3\} = 0.1185 \text{ m}^2$$

$$\Sigma a = 0.3674 \text{ m}^2$$

$$(\Sigma a) = 0.3599 \text{ m}^2$$

$$\{\Sigma a\} = 0.4279 \text{ m}^2$$

• Calculation of Perimeter of Form

$$l1 = 2.239 \text{ m}$$

Calculation of Average Length of

• Karb

$$LI = 1/2 \times (L1 + L2)$$

$$= 58.523 \text{ m}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

$$\text{Angle of Start Point } \theta1 = 87.314167$$

$$\text{Angle of End Point } \theta2 = 94.886667$$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj1 = \Sigma a \times LI = 0.3674 \times 58.523 = 21.501 \text{ m}^3$$

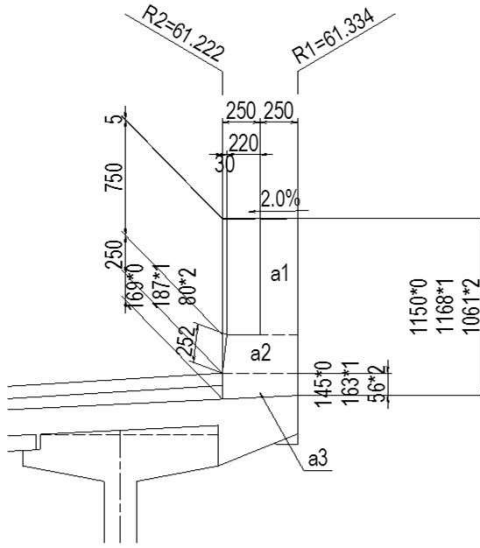
2) Form Area

$$Aj1 = l1 \times LI + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2)$$

$$= 2.239 \times 58.523 + 0.3599 \times 1.001100 + 0.4279$$

$$\times 1.003648 = 131.823 \text{ m}^2$$

2. Right Side Barrier



- Calculation of Cross Section Area

$$a_1 = 0.1881 \text{ m}^2$$

$$a_2 = 0.1213 \text{ m}^2$$

a3 0.0785 m² * u

$$(a_3) = 0.0875 \text{ m}^2 \cdot \text{s}^{-1}$$

$$\{a_3\} = 0.0340 \text{ m}^2$$

$$\Sigma a = 0.3879 \text{ m}^2$$

$$(\Sigma a) = 0.3969 \text{ m}^2 \cdot \text{s}^{-1}$$

$$\{\Sigma a\} = 0.3434 \text{ m}^2 \cdot \text{s}^2$$

- Calculation of Perimeter of Form

$$I_1 = 2.321 \text{ m}^4$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

Angle of Start Point $\theta_1 = 87.314167$

Angle of End Point $\theta_2 = 94.886667$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

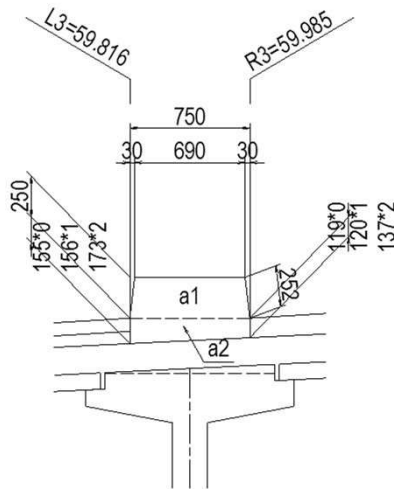
$$V_{j2} = \Sigma a \times L_r = 0.3879 \times 61.278 = 23.770 \text{ m}^3$$

2) Form Area

$$\begin{aligned} A_{j2} &= i2 \times Lr + (\Sigma a) \times (1 / \sin\theta_1) + \{\Sigma a\} \times (1 / \sin\theta_2) \\ &= 2.321 \times 61.278 + 0.3969 \times 1.001100 + 0.3434 \end{aligned}$$

$$\times 1.003648 = 142.968 \text{ m}^2$$

3. Median



• Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1800 \text{ m}^2 \\
 a2 &= 0.1028 \text{ m}^2 \\
 (a2) &= 0.1035 \text{ m}^2 \\
 \{a2\} &= 0.1163 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.2828 \text{ m}^2 \\
 (\Sigma a) &= 0.2835 \text{ m}^2 \\
 \{\Sigma a\} &= 0.2963 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 0.778 \text{ m}$$

Calculation of Average Length of

• Karb

$$\begin{aligned}
 Lr &= 1/2 \times (L3 + R3) \\
 &= 59.900 \text{ m}
 \end{aligned}$$

But, *0...Mean Value of Bridge Section
 *1...Dimensions of Karb at Starting Point Side
 *2...Dimensions of Karb at End Point Side

$$\begin{aligned}
 \text{Angle of Start Point } \theta1 &= 87.314167 \\
 \text{Angle of End Point } \theta2 &= 94.886667
 \end{aligned}$$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj3 = \Sigma a \times Lr = 0.2828 \times 59.900 = 16.940 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 Aj3 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2) \\
 &= 0.778 \times 59.900 + 0.2835 \times 1.001100 + 0.2963 \\
 &\quad \times 1.003648 = 47.183 \text{ m}^2
 \end{aligned}$$

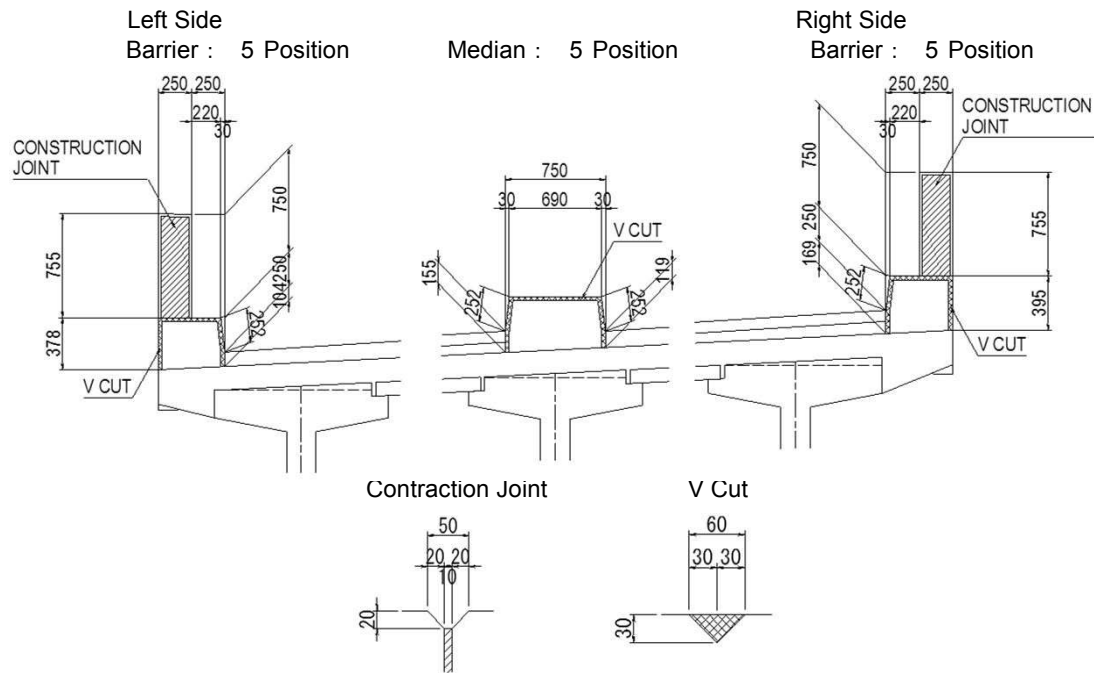
4. Total Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$\begin{aligned}
 \Sigma Vj &= Vj1 + Vj2 + Vj3 \\
 &= 21.501 + 23.770 + 16.940 = 62.211 \text{ m}^3
 \end{aligned}$$

5. Total Form Area

$$\begin{aligned}
 \Sigma Aj &= Aj1 + Aj2 + Aj3 \\
 &= 131.823 + 142.968 + 47.183 = 321.974 \text{ m}^2
 \end{aligned}$$

6. Joint



Note) Thickness of Pavement is Mean Thickness

1) Contraction Joint ($t = 10 \text{ mm}$)

$$LA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$RA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$\Sigma A = 0.769 + 0.769 = 1.538 \text{ m}^2$$

2) V Cut

$$A = \frac{1}{2} \times 0.030 \times 0.060 = 0.0009 \text{ m}^2$$

$$L1 = (0.378 + 0.410 + 0.252 + 0.104) \times 5 = 5.720 \text{ m}$$

$$L2 = (0.155 + 0.252 \times 2 + 0.630 + 0.119) \times 5 = 7.040 \text{ m}$$

$$L3 = (0.395 + 0.410 + 0.252 + 0.169) \times 5 = 6.130 \text{ m}$$

$$\Sigma L = 5.720 + 7.040 + 6.130 = 18.890 \text{ m}$$

$$V = 0.0009 \times 18.890 \times 1000 = 17.001 \text{ l}$$

7. Reinforcement Bar

Specification : SD345

Reinforcement Bar

	Barrier	Median	Total
D22	0 kg	0 kg	0 kg
D19	0 kg	0 kg	0 kg
D16	4706 kg	0 kg	4706 kg
D13	3376 kg	1032 kg	4408 kg
Total	8082 kg	1032 kg	9114 kg

6-2. Pavement

1. Asphalt Pavement

• Carriageway (t = 80 mm)

$$As1 = 325.585 + 333.317 \quad (\text{CAD Measurement}) = 658.902 \text{ m}^2$$

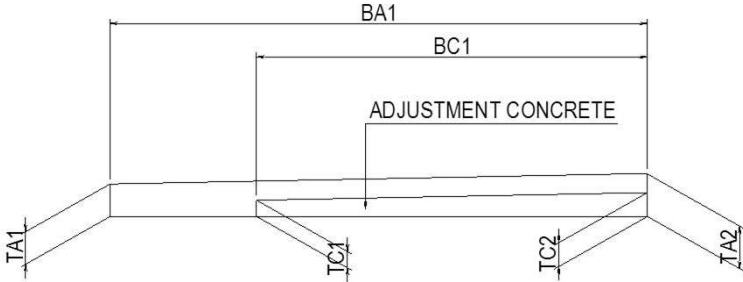
2. Adjustment Concrete ($\sigma_{ck} = 18 \text{ N/mm}^2$)

• Carriageway

$$As1 = 4.603 + 10.179 + 10.554 + 10.524 = 35.860 \text{ m}^2$$

Reference Calculation of Concrete Volume

Adjustment Concrete on Left Side
PF5-PF6 Span

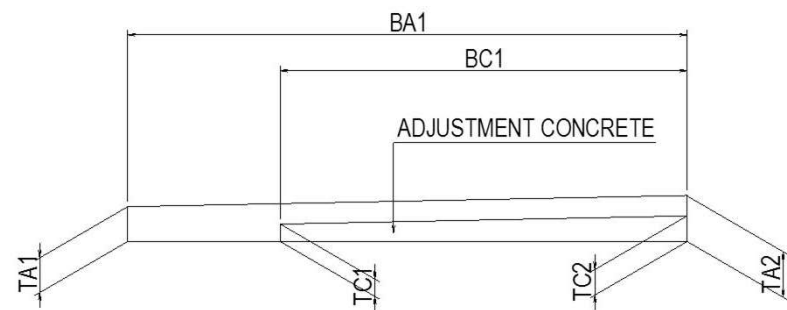


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF6
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	89	88	84	81	80	81	82	82	82	80	80	80
	TA2	mm	156	155	150	147	146	146	147	147	146	145	145	145
Difference in Height	Left Side	mm	67	67	66	66	66	65	65	65	64	65	65	65
Slope	Left Side	%	0.0122	0.0122	0.0120	0.0120	0.0120	0.0118	0.0118	0.0118	0.0116	0.0118	0.0118	0.0118
Placement Range	BC1	mm	3777	3695	3333	3083	3000	3046	3130	3130	3093	2961	2961	2961
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	76	75	70	67	66	66	67	67	66	65	65	65
Area	AC1	m ²	0.2002	0.1940	0.1667	0.1495	0.1440	0.1462	0.1518	0.1518	0.1485	0.1407	0.1407	0.1407
	ΣAC	m ²	0.2002	0.1940	0.1667	0.1495	0.1440	0.1462	0.1518	0.1518	0.1485	0.1407	0.1407	0.1407
Distance Between Section		m		0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500	0.100
Concrete	Vc	m ³		0.0985	0.6503	0.5702	0.5293	0.5233	0.5374	0.5475	0.5414	0.5213	0.0703	0.0141

Σ V = 4.603 m³

PF6-PF7 Span

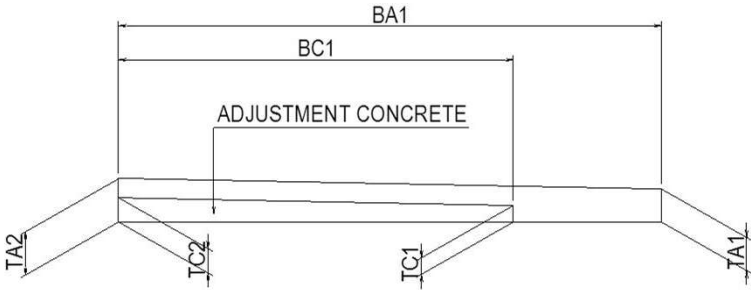


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	PF6	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	81	86	92	96	100	129	162	194	221	225
	TA2	mm	145	145	146	151	157	161	165	168	171	172	173	173
Difference in Height	Left Side	mm	65	65	65	65	65	65	65	39	9	22	48	52
Slope	Left Side	%	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0071	0.0016	0.0040	0.0087	0.0095
Placement Range	BC1	mm	2961	2961	3046	3469	3976	4315	4653	5500	5500	5500	5500	5500
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	49	82	114	141	145
	TC2	mm	65	65	66	71	77	81	85	88	91	92	93	93
Area	AC1	m ²	0.1407	0.1407	0.1462	0.1752	0.2127	0.2395	0.2676	0.3768	0.4758	0.5665	0.6435	0.6545
	ΣAC	m ²	0.1407	0.1407	0.1462	0.1752	0.2127	0.2395	0.2676	0.3768	0.4758	0.5665	0.6435	0.6545
Distance Between Section		m		0.100	0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500
Concrete	Vc	m ³		0.0141	0.0717	0.5795	0.6994	0.8154	0.9142	1.1618	1.5372	1.8793	2.1818	0.3245

Σ V = 10.179 m³

Adjustment Concrete on Right Side
 PF5-PF6 Span

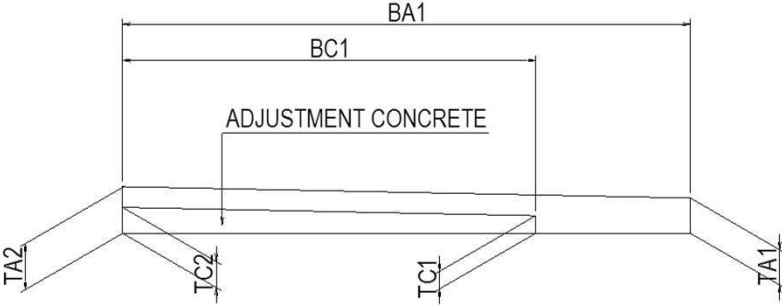


Thickness of Surface Pavement 80mm
 Thickness of Leveling Concrete min 30mm

		Unit	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF6
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	187	186	180	177	175	175	176	176	175	173	173	173
	TA2	mm	120	119	114	111	110	110	111	111	110	109	108	108
Difference in Height	Right Side	mm	67	67	66	66	65	65	65	65	65	64	65	65
Slope	Right Side	%	0.0122	0.0122	0.0120	0.0120	0.0118	0.0118	0.0118	0.0118	0.0118	0.0116	0.0118	0.0118
Placement Range	BC1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5412	5330	5330
Thickness of Leveling Concrete	TC1	mm	107	106	100	97	95	95	96	96	95	93	93	93
	TC2	mm	40	39	34	31	30	30	31	31	30	30	30	30
Area	AC1	m ²	0.4043	0.3988	0.3685	0.3520	0.3438	0.3438	0.3493	0.3493	0.3438	0.3329	0.3278	0.3278
	ΣAC	m ²	0.4043	0.3988	0.3685	0.3520	0.3438	0.3438	0.3493	0.3493	0.3438	0.3329	0.3278	0.3278
Distance Between Section		m		0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500	0.100
Concrete	Vc	m ³		0.2008	1.3834	1.2992	1.2545	1.2396	1.2496	1.2595	1.2496	1.2200	0.1652	0.0328

Σ V = 10.554 m³

PF6-PF7 Span

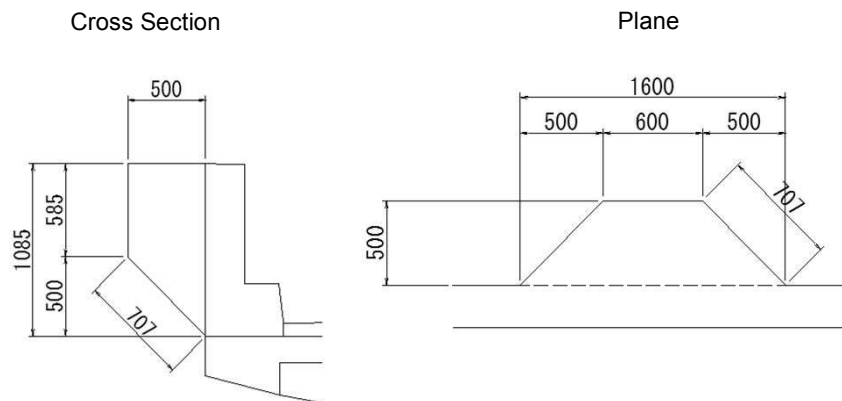


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		Unit	PF6	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	173	173	174	180	185	190	194	171	144	116	84	80
	TA2	mm	108	108	109	115	120	125	129	132	135	136	137	137
Difference in Height	Right Side	mm	65	65	65	65	65	65	65	39	9	20	53	57
Slope	Right Side	%	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0071	0.0016	0.0036	0.0096	0.0104
Placement Range	BC1	mm	5330	5330	5415	5500	5500	5500	5500	5500	5500	5500	2801	2606
Thickness of Leveling Concrete	TC1	mm	93	93	94	100	105	110	114	91	64	36	30	30
	TC2	mm	30	30	30	35	40	45	49	52	55	56	57	57
Area	AC1	m ²	0.3278	0.3278	0.3357	0.3713	0.3988	0.4263	0.4483	0.3933	0.3273	0.2530	0.1218	0.1134
	ΣAC	m ²	0.3278	0.3278	0.3357	0.3713	0.3988	0.4263	0.4483	0.3933	0.3273	0.2530	0.1218	0.1134
Distance Between Section		m		0.100	0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500
Concrete	Vc	m ³		0.0328	0.1659	1.2747	1.3884	1.4876	1.5768	1.5173	1.2992	1.0463	0.6759	0.0588

Σ V = 10.524 m³

§7 Foundation of Lighting Post



1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$) (n = 2 nos)

Plane Area

$$a1 = \frac{1}{2} \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete Volume

$$V1 = 0.550 \times 0.585 = 0.322 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times \frac{1}{2} = 0.138 \text{ m}^3$$

$$V = 0.460 \text{ m}^3$$

$$\Sigma V = 0.460 \times 2 = 0.920 \text{ m}^3$$

2) Form Area (n = 2 nos)

Perimeter

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form Area

$$A1 = 2.014 \times (0.585 + 0.707) = 2.602 \text{ m}^2$$

$$\Sigma A = 2.602 \times 2 = 5.204 \text{ m}^2$$

3) Reinforcement Bar (n = 2 nos)

Specification : SD345

D13 40 kg

$$\Sigma W = 40 \times 2 = 80 \text{ kg}$$

§8 Bearing

1. Rubber Bearing ($G_e = 1.0 \text{ N/mm}^2$)

PF5(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

PF6L(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

PF6R(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

PF7(M) 520 mm × 520 mm × 112 mm $n = 4$ Piece

2. Anti-Corrosion Anchor System (S35CN)

PF5(F) F 75 D L = 1520 mm $n = 6$ Set

$W = 34.70 \text{ kg/m} \times 1.520 \text{ m} \times 6 \text{ Set} = 316.46 \text{ kg}$

PF6L(F) F 75 D L = 1520 mm $n = 3$ Set

$W = 34.70 \text{ kg/m} \times 1.520 \text{ m} \times 3 \text{ Set} = 158.23 \text{ kg}$

PF6R(F) F 75 D L = 1520 mm $n = 3$ Set

$W = 34.70 \text{ kg/m} \times 1.520 \text{ m} \times 3 \text{ Set} = 158.23 \text{ kg}$

PF7(M) M 60 D L = 1220 mm $n = 6$ Set

$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ Set} = 162.50 \text{ kg}$

3. Anti-Corrosion Material (CR Sponge)

PF5(F) 200 mm × 200 mm × 20 mm $n = 6$ Piece

PF6L(F) 200 mm × 200 mm × 20 mm $n = 3$ Piece

PF6R(F) 200 mm × 200 mm × 20 mm $n = 3$ Piece

PF7(M) 200 mm × 300 mm × 20 mm $n = 6$ Piece

4. Reinforcement Bar (SD345)

PF5(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF6L(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF6R(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF7(M) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 12 + 0.600 \times 12) \times 4 = 32.26 \text{ kg}$$

5. Bed Mortar for Bearing (Non-Shrinkage Mortar)

$$\begin{aligned} \text{PF5(F)} \quad V &= \{ (0.62 + 0.74) \times 1/2 \times (0.57 + 0.69) \times 1/2 \times 0.060 + 0.74 \times 0.69 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.144 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF6L(F)} \quad V &= \{ (0.62 + 0.73) \times 1/2 \times (0.57 + 0.68) \times 1/2 \times 0.057 + 0.73 \times 0.68 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.136 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF6R(F)} \quad V &= \{ (0.62 + 0.74) \times 1/2 \times (0.57 + 0.69) \times 1/2 \times 0.058 + 0.74 \times 0.69 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.140 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF7(M)} \quad V &= \{ (0.62 + 0.73) \times 1/2 \times (0.62 + 0.73) \times 1/2 \times 0.054 + 0.73 \times 0.73 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.141 \text{ m}^3 \end{aligned}$$

6. Mortar for Anchor Halls (Non-Shrinkage Mortar)

$$\begin{aligned} \text{PF5(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 0.850 - 1/4 \times \pi \times 0.075^2 \times 0.750) \\ &\times 6 \text{ Position} = 0.230 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF6L(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 0.850 - 1/4 \times \pi \times 0.075^2 \times 0.750) \\ &\times 3 \text{ Position} = 0.115 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF6R(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 0.850 - 1/4 \times \pi \times 0.075^2 \times 0.750) \\ &\times 3 \text{ Position} = 0.115 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF7(M)} \quad V &= (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \times 0.600) \\ &\times 6 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

01-3-PC-I GIRDER BRIDGE
(PF7-PF11)

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END 133

§1 Summary of Quantity
1-1. Summary of Total Quantity

(Part1)

	Specification	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	8	Inner Girder
		No.	8	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m ³	473.9	
Form Area	For Side and Edge	m ²	2426.4	
	For Bottom	m ²	333.6	
PC Strand				
Length of PC Strand	7S15.2	m	2359.2	
Weight of PC Strand	7S15.2	kg	18176	
Length of Sheath	$\varnothing \text{ 65 mm}$	m	2359.2	
Length of Grout	$\varnothing \text{ 65 mm}$	m	2359.2	
Anchorage for PC Strand	7S15.2	set	160	
Reinforcement Grid	7S15.2	set	160	
Stressing Work	7S15.2	No.	160	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	13264
		D16	kg	32384
		D13	kg	26140
		Total	kg	71788
Embedded Sheath for Cross Beam	$\varnothing \text{ 60 mm}$	m	162.4	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	45.8	End and Intermediate Crossbeam
Form Area	For Side, Edge and Bottom	m ²	186.8	End and Intermediate Crossbeam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	1074
		D16	kg	608
		D13	kg	1116
		TOTAL	kg	2798
PC Strand				
Length of PC Strand	4S15.2	m	649.6	
Weight of PC Strand	4S15.2	kg	2860	
Length of Sheath	$\varnothing \text{ 45 mm}$	m	492.3	
Length of Grout	$\varnothing \text{ 45 mm}$	m	649.6	
Anchorage for PC Strand	For 4S15.2	set	116	
Reinforcement Grid	For 4S15.2	set	116	
Stressing Work	4S15.2	No.	116	
Fixing Device	4S15.2	No.	116	
Deck Slab				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	276.8	
Form Area	For Side, Edge and Bottom	m ²	194.8	
Reinforcement Bar	SD345	D22	kg	22142
		D19	kg	74389
		D16	kg	9733
		D13	kg	3329
		Total	kg	109593

(Part2)

		Specification		Unit	Quantity	Remarks
PC Plate						
Quantities for Each Size of PC Plate	1	998 × 2380 × 100		No.	312	Standard Plate
	2	973 × 2380 × 100		No.	6	Adjustment Plate
	3	999 × 2380 × 100		No.	9	Adjustment Plate
	4	899 × 2380 × 100		No.	6	Adjustment Plate
	5	949 × 2380 × 100		No.	3	Adjustment Plate
Concrete Volume		σ _{ck} = 40 N/mm ²		m ³	76.8	
Form Area		For Side, Edge and Bottom		m ²	1026.8	
PC Plate Area				m ²	797.5	
Joint Filler		Sponge Tape		m	670.2	15 mm × 10 mm
Filling Material for Cutout Part		Non-Shrinkage Mortar		m ³	2.010	
Joint Sealing Material		Non-Shrinkage Mortar		m ³	0.328	
Length of PC Strand		1S9.3		m	11995.2	
Weight of PC Strand		1S9.3		kg	4860	
Reinforcement Bar		SD345	D10	kg	5948	
			Total	kg	5948	
Connecting Part						
Concrete Volume		σ _{ck} = 30 N/mm ²		m ³	112.3	Connecting Part
Form Area		For Side, Edge and Bottom		m ²	158.4	Connecting Part
Reinforcement Bar		SD345	D22	kg	5397	
			D19	kg	0	
			D16	kg	14199	
			D13	kg	600	
			Total	kg	20196	
Scaffolding						
Scaffolding under Main Girder				m ²	765.0	
Side Scaffolding				m	120.0	
Bridge surface						
Karb and Barrier						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	128.0	
Form Area		For Side, Edge and Bottom		m ²	648.5	
Contraction Joint		t= 10 mm		m ²	3.4	
V Cut				ℓ	37.5	
Reinforcement Bar		SD345	D22	kg	0	
			D19	kg	0	
			D16	kg	9193	
			D13	kg	8884	
			Total	kg	18077	
Pavement						
Asphalt Pavement		t= 80 mm		m ²	1317.8	Carriageway
Adjustment Concrete		σ _{ck} = 18 N/mm ²		m ³	102.0	Carriageway
Lighting Post Foundation						
Concrete Volume		σ _{ck} = 24 N/mm ²		m ³	1.4	
Form Area		For Side and Edge		m ²	7.8	
Reinforcement Bar		SD345	120	kq	120	

(Part3)

	Specification	Unit	Quantity	Remarks
Bearing				
Rubber Bearing	520×520×142	No.	4	PF.7
	520×470×92	No.	8	PF.8
	520×470×92	No.	8	PF.9
	520×470×92	No.	8	PF.10
	520×520×142	No.	4	PF.11
Anti-Corrosion Anchor System	φ65×1320	kg	206	PF.7
	φ90×1820	kg	545	PF.8
	φ75×1520	kg	316	PF.9
	φ95×1920	kg	641	PF.10
	φ60×1220	kg	163	PF.11
Anti-Corrosion Material (CR Sponge)	200×300×20	No.	6	PF.7
	200×200×20	No.	6	PF.8
	200×200×20	No.	6	PF.9
	200×200×20	No.	6	PF.10
	200×300×20	No.	6	PF.11
Reinforcement Grid	SD345 D10	kg	32	PF.7
		kg	56	PF.8
		kg	56	PF.9
		kg	56	PF.10
		kg	32	PF.11
Bed Mortar for Bearing	Non-Shrinkage Mortar	m ³	0.1	PF.7
		m ³	0.2	PF.8
		m ³	0.2	PF.9
		m ³	0.2	PF.10
		m ³	0.1	PF.11
Mortar for Anchor Halls	Non-Shrinkage Mortar	m ³	0.1	PF.7
		m ³	0.3	PF.8
		m ³	0.2	PF.9
		m ³	0.3	PF.10
		m ³	0.1	PF.11

1-2. PF7 ~ PF8 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specification		Unit	Quantity	Remarks
Main Girder					
Number of Main Girder			No.	2	Inner Girder
			No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$		m ³	118.4	
Form Area	For Side and Edge		m ²	606.6	
	For Bottom		m ²	83.4	
PC Strand					
Length of PC Strand	7S15.2		m	589.6	
Weight of PC Strand	7S15.2		kg	4544	
Length of Sheath	$\varphi \ 65 \text{ mm}$		m	589.6	
Length of Grout	$\varphi \ 65 \text{ mm}$		m	589.6	
Anchorage for PC Strand	7S15.2		set	40	
Reinforcement Grid	7S15.2		set	40	
Stressing Work	7S15.2		No.	40	
Reinforcement Bar	SD345	D22	kg	0	
		D19	kg	3316	
		D16	kg	8096	
		D13	kg	6532	
		TOTAL	kg	17944	
Embedded Sheath for Cross Beam	$\varphi \ 60 \text{ mm}$		m	36.4	Embedded Sheath in Main Girder
Cross Beam					
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$		m ³	19.4	End and Intermediate Crossbeam
Form Area	For Side, Edge and Bottom		m ²	67.5	End and Intermediate Crossbeam
Reinforcement Bar	SD345	D22	kg	0	
		D19	kg	537	
		D16	kg	304	
		D13	kg	328	
		Total	kg	1169	

(Part2)

	Specification		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	145.6	
Weight of PC Strand	4S15.2		kg	641	
Length of Sheath	φ 45 mm		m	110.3	
Length of Grout	φ 45 mm		m	145.6	
Anchorage for PC Strand	4S15.2		set	26	
Reinforcement Grid	4S15.2		set	26	
Stressing Work	4S15.2		No.	26	
Fixing Device	4S15.2		No.	26	
Deck Slab					
Concrete Volume	σ _{ck} = 30 N/mm ²		m ³	69.1	
Form Area	For Side, Edge and Bottom		m ²	49.9	
Reinforcement Bar	SD345	D22	kg	22142	
		D19	kg	74389	
		D16	kg	9733	
		D13	kg	3329	
		TOTAL	kg	109593	
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	2	973 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σ _{ck} = 40 N/mm ²		m ³	19.2	
Form Area	For Side, Edge and Bottom		m ²	256.9	
PC Plate Area			m ²	199.5	
Joint Filler	Sponge Tape		m	167.7	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.503	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		Total	kg	1487	

2. Summary of Quantity for Each Main Girder

• Inner Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.43	$W = 73.59 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.63	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	9.10	Embedded Sheath in Main Girder

• Outer Girder

	Specification	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.79	$W = 74.48 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.65	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	9.10	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg
D13	1630 kg	1636 kg	1636 kg	1630 kg
Total	4459 kg	4513 kg	4513 kg	4459 kg

1-3. PF8 ~ PF9 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	118.5	
Form Area	For Side and Edge	m^2	606.6	
	For Bottom	m^2	83.4	
PC Strand				
Length of PC Strand	7S15.2	m	590.0	
Weight of PC Strand	7S15.2	kg	4544	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	590.0	
Length of Grout	$\phi \ 65 \text{ mm}$	m	590.0	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3316
		D16	kg	8096
		D13	kg	6536
		Total	kg	17948
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	44.8	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	3.5	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	25.9	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	0
		D16	kg	0
		D13	kg	230
		Total	kg	230

(Part2)

	Specifiaction		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	179.2	
Weight of PC Strand	4S15.2		kg	789	
Length of Sheath	φ 45 mm		m	135.8	
Length of Grout	φ 45 mm		m	179.2	
Anchorage for PC Strand	4S15.2		set	32	
Reinforcement Grid	4S15.2		set	32	
Stressing Work	4S15.2		No.	32	
Fixing Device	4S15.2		No.	32	
Deck Slab					
Concrete Volume	σck = 30 N/mm ²		m ³	69.3	
Form Area	For Side, Edge and Bottom		m ²	47.6	
Reinforcement Bar	SD345		kg	—	Shall Include Quantity between PF7~PF8
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	3	999 × 2380 × 100	No.	3	Adjustment Plate
	4	899 × 2380 × 100	No.	3	Adjustment Plate
Concrete Volume	σck = 40 N/mm ²		m ³	19.2	
Form Area			m ²	256.5	
PC Plate Area			m ²	199.2	
Joint Filler	Sponge Tape		m	167.4	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.502	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		Total	kg	1487	

2. Summary of Quantity for Each Main Girder

• Inner Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.44	W = 73.60 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.63	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.5	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	11.20	Embedded Sheath in Main Girder

• Outer Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.80	W = 74.50 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.66	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.5	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	11.20	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg

1-4. PF9 ~ PF10 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	118.5	
Form Area	For Side and Edge	m^2	606.6	
	For Bottom	m^2	83.4	
PC Strand				
Length of PC Strand	7S15.2	m	590.0	
Weight of PC Strand	7S15.2	kg	4544	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	590.0	
Length of Grout	$\phi \ 65 \text{ mm}$	m	590.0	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3316
		D16	kg	8096
		D13	kg	6536
		TOTAL	kg	17948
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	44.8	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	3.5	End and Intermediate Cross Beam
Form Area	FOR SIDE, EDGE AND BOTTOM	m^2	25.9	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	0
		D16	kg	0
		D13	kg	230
		TOTAL	kg	230

(Part2)

	Specifiaction	Unit	Quantity	Remarks	
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2	m	179.2		
Weight of PC Strand	4S15.2	kg	789		
Length of Sheath	φ 45 mm	m	135.8		
Length of Grout	φ 45 mm	m	179.2		
Anchorage for PC Strand	4S15.2	set	32		
Reinforcement Grid	4S15.2	set	32		
Stressing Work	4S15.2	No.	32		
Fixing Device	4S15.2	No.	32		
Deck Slab					
Concrete Volume	σck = 30 N/mm ²	m ³	69.3		
Form Area	For Side, Edge and Bottom	m ²	47.6		
Reinforcement Bar	SD345	kg	—	Shall Include Quantity between PF7~PF8	
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	3	999 × 2380 × 100	No.	3	Adjustment Plate
	4	899 × 2380 × 100	No.	3	Adjustment Plate
Concrete Volume	σck = 40 N/mm ²		m ³	19.2	
Form Area			m ²	256.5	
PC Plate Area			m ²	199.2	
Joint Filler	Sponge Tape		m	167.4	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.502	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		Total	kg	1487	

2. Summary of Quantity for Each Main Girder

• Inner Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.44	W = 73.60 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.63	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.5	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	11.20	Embedded Sheath in Main Girder

• Outer Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.80	W = 74.50 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.66	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.5	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.5	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.5	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	11.20	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg

1-5. PF10 ~ PF11 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	118.5	
Form Area	For Side and Edge	m^2	606.6	
	For Bottom	m^2	83.4	
PC Strand				
Length of PC Strand	7S15.2	m	589.6	
Weight of PC Strand	7S15.2	kg	4544	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	589.6	
Length of Grout	$\phi \ 65 \text{ mm}$	m	589.6	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3316
		D16	kg	8096
		D13	kg	6536
		TOTAL	kg	17948
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	36.4	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	19.4	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	67.5	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	537
		D16	kg	304
		D13	kg	328
		Total	kg	1169

(Part2)

	Specifiaction	Unit	Quantity	Remarks	
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2	m	145.6		
Weight of PC Strand	4S15.2	kg	641		
Length of Sheath	φ 45 mm	m	110.4		
Length of Grout	φ 45 mm	m	145.6		
Anchorage for PC Strand	4S15.2	set	26		
Reinforcement Grid	4S15.2	set	26		
Stressing Work	4S15.2	No.	26		
Fixing Device	4S15.2	No.	26		
Deck Slab					
Concrete Volume	σck = 30 N/mm ²	m ³	69.1		
Form Area	For Side, Edge and Bottom	m ²	49.7		
Reinforcement Bar	SD345	kg	—	Shall Include Quantity between PF7~PF8	
PC PLATE					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	3	999 × 2380 × 100	No.	3	Adjustment Plate
	5	949 × 2380 × 100	No.	3	Adjustment Plate
Concrete Volume	σck = 40 N/mm ²		m ³	19.2	
Form Area			m ²	256.9	
PC Plate Area			m ²	199.6	
Joint Filler	Sponge Tape		m	167.7	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.503	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		Total	kg	1487	

2. Summary of Quantity for Each Main Girder

• Inner Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.44	W = 73.60 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.63	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	9.10	Embedded Sheath in Main Girder

• Outer Girder

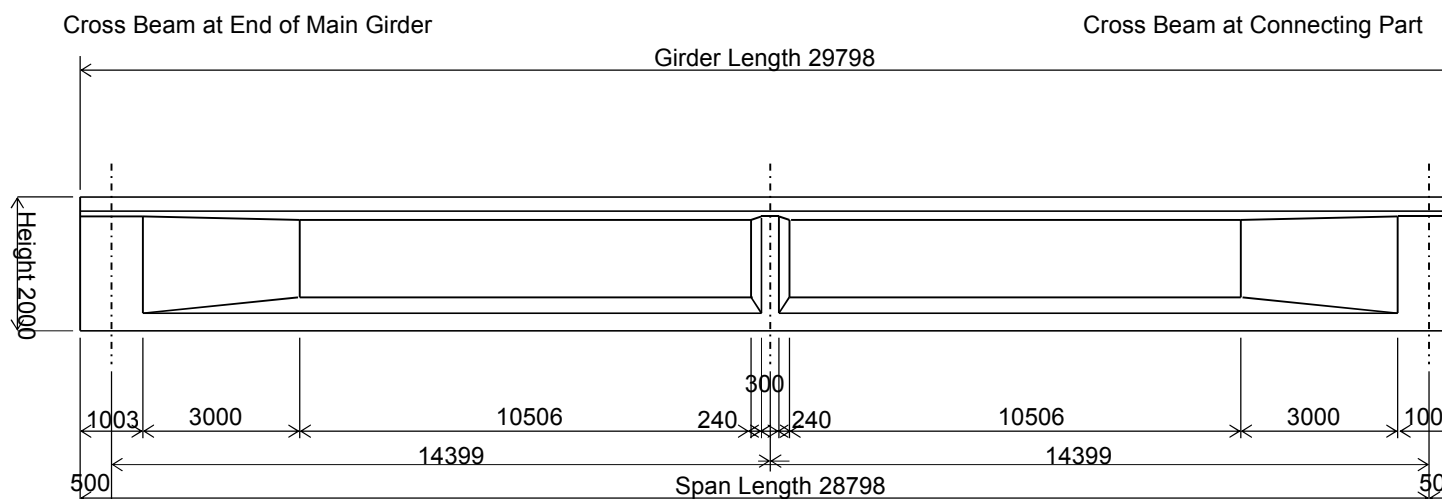
	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	29.80	W = 74.50 t
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	151.66	
	For Bottom	m^2	20.86	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	9.10	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg

§2 PF7-PF8 Quantity Calculation
2-1. Main Girder

(PF7 ~ PF8 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Length of Standard Part

$$L0 = 10.506 \times 1 + 10.506 \times 1 = 21.012 \text{ m}$$

• Length of Cross Beam Part

$$L1 = 1.003 + 1.003 + 0.300 \times 1 = 2.306 \text{ m}$$

• Length of Widening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.798 \text{ m}$$

• Angle

$$\text{Start Point } \theta 1 = 91.053889$$

$$\text{End Point } \theta 2 = 91.053889$$

$$\text{Cross Beam } \theta 3 = 91.053889$$

• Number of Intermediate Cross Beam

$$Ny1 = 1$$

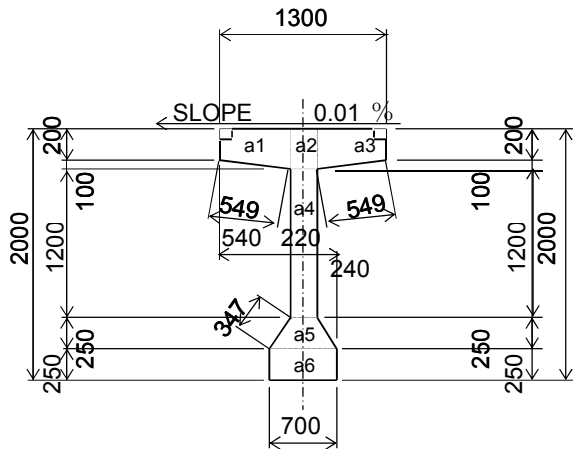
• Number of Main Girder

$$\text{Outer Girder: } 2$$

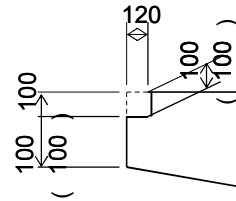
$$\text{Inner Girder: } 2$$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



NOTE)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.200 + 0.300) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.300 + 0.300) \times 0.220 &= 0.0660 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.300 + 0.200) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.200 + 1.200) \times 0.220 &= 0.2640 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.250 &= 0.1750 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8660 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

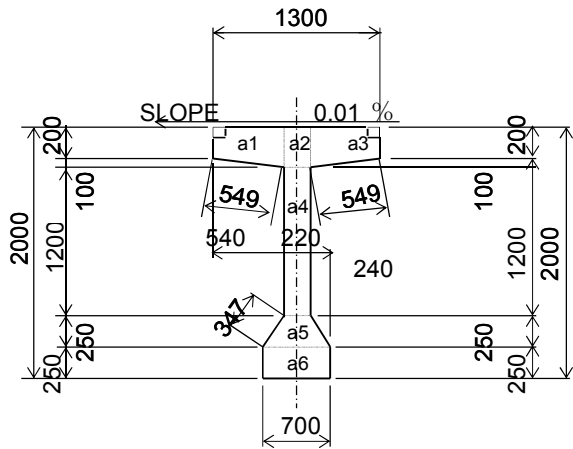
$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.549 + 0.549 \\
 &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 = 5.092 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

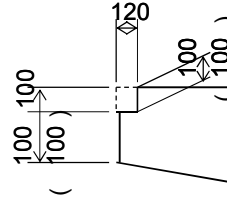
$$i1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8900 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8900 + -0.0120 = 0.8780 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

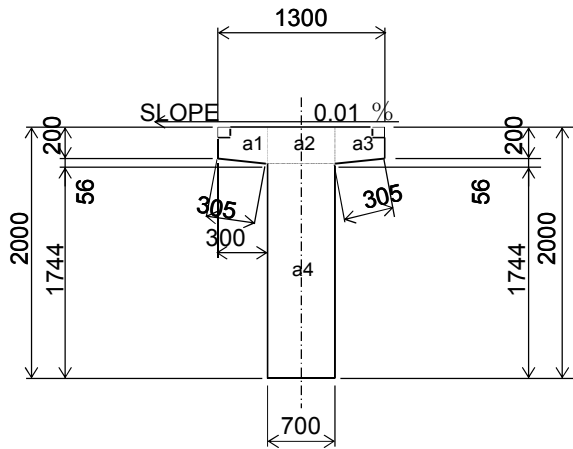
$$\begin{aligned} l1 &= 0.200 + 0.100 + 0.100 + 0.549 + 0.549 \\ &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 = 5.092 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

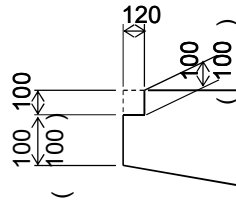
$$l1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.256) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.256 + 0.256) \times 0.700 &= 0.1792 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.256 + 0.200) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.744 + 1.744) \times 0.700 &= 1.2208 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.5128 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

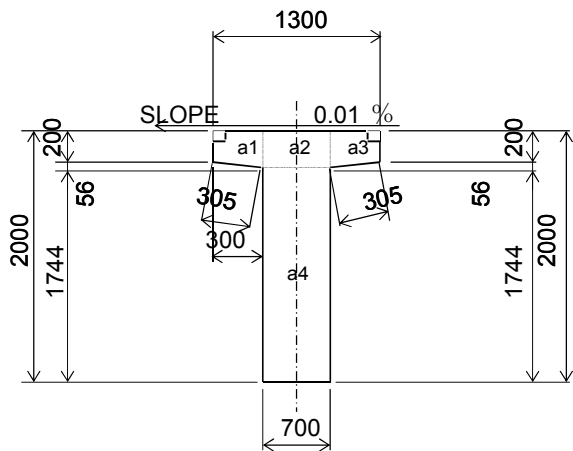
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.305 \\
 &+ 0.305 + 1.744 + 1.744 &= 4.498 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

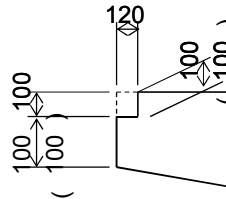
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.5368 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.5368 + -0.0120 = 1.5248 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

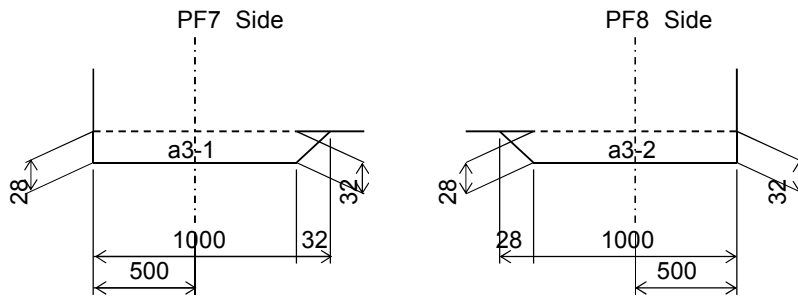
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.100 + 0.305 + 0.305 \\ &+ 1.744 + 1.744 = 4.498 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= \frac{1}{2} \times (0.028 + 0.032) \times 1.000 + \frac{1}{2} \times 0.032 \times 0.032 = 0.0305 \text{ m}^2 \\
 a3-2 &= \frac{1}{2} \times (0.032 + 0.028) \times 1.000 + \frac{1}{2} \times 0.028 \times 0.028 = 0.0304 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, bw: Web Width of Lower Edge of Main Girder} \\
 &= 0.0305 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0304 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0305 + 0.028 \times 0.700 \times 1.000169 = 0.081 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0304 + 0.032 \times 0.700 \times 1.000169 = 0.083 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned}
 V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\
 &= 0.8660 \times 21.012 &= 18.196 \text{ m}^3 \\
 V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\
 &= 1.5128 \times 2.306 &= 3.489 \text{ m}^3 \\
 V1-3 &= \frac{1}{2} \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.8660 + 1.5128) \times 6.480 &= 7.707 \text{ m}^3 \\
 V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\
 &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \\
 \hline
 V1 &= 29.434 \text{ m}^3
 \end{aligned}$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 29.434 \times 2.50 \text{ t/m}^3 = 73.59 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned}
 V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\
 &= 0.8780 \times 21.012 &= 18.449 \text{ m}^3 \\
 V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\
 &= 1.5248 \times 2.306 &= 3.516 \text{ m}^3 \\
 V2-3 &= \frac{1}{2} \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.8780 + 1.5248) \times 6.480 &= 7.785 \text{ m}^3 \\
 V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\
 &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \\
 \hline
 V2 &= 29.792 \text{ m}^3
 \end{aligned}$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 29.792 \times 2.50 \text{ t/m}^3 = 74.48 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 91.053889$ $k_1 = 1 / \sin \theta_1 = 1.000169$
 Angle of End Point $\theta_2 = 91.053889$ $k_2 = 1 / \sin \theta_2 = 1.000169$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.012 &= 106.993 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.306 &= 10.372 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.081 + 0.083 &= 0.164 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 148.601 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.012 &= 106.993 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.306 &= 10.372 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.081 + 0.083 &= 0.164 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 148.601 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.5128 \times (1.000169 + 1.000169) &= 3.026 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.5248 \times (1.000169 + 1.000169) &= 3.050 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 21.012 &= 14.708 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.306 &= 1.614 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.858 \text{ m}^2
 \end{aligned}$$

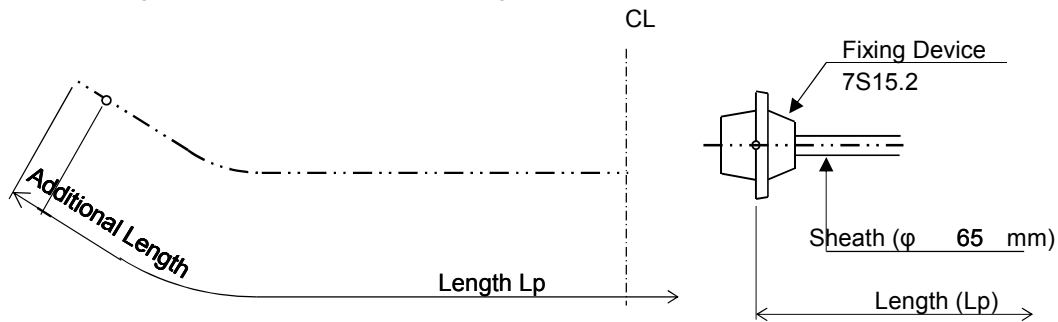
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 21.012 &= 14.708 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.306 &= 1.614 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.858 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.551	1	29.551
C2	29.523	1	29.523
C3	29.496	1	29.496
C4	29.456	1	29.456
C5	29.410	1	29.410
Total	—	5	147.436

• Length (Except Additional Length)

$$\Sigma L1 = 147.436 \quad 147.436 \quad \text{m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.436 \times 7.707 \text{ kg/m} = 1136.289 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.436 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.436 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specification : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

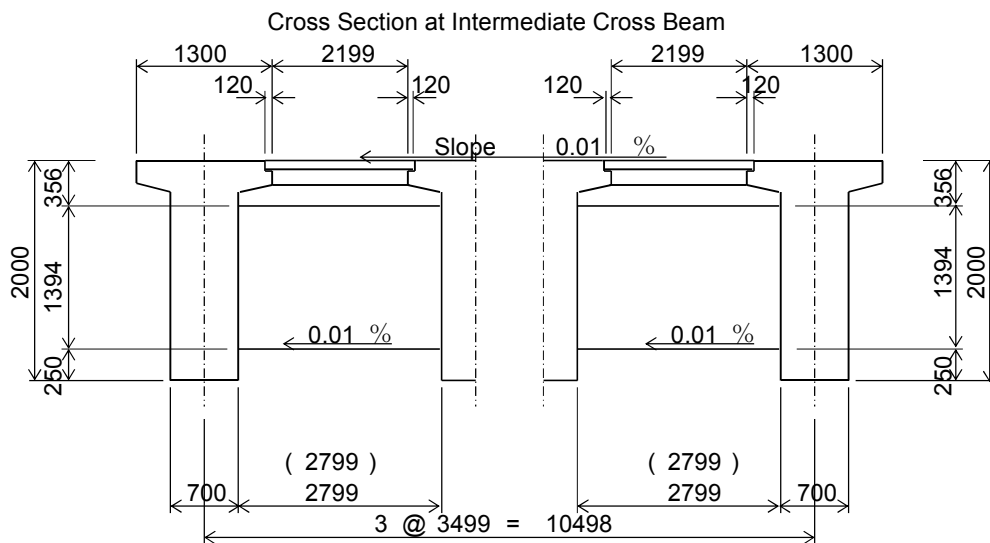
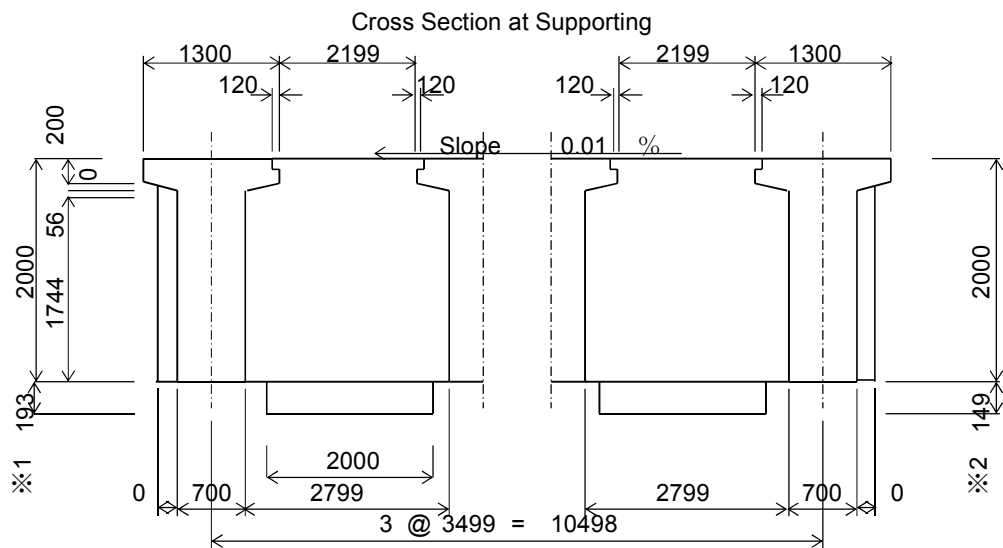
Specification : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg	3316 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg	8096 kg
D13	1630 kg	1636 kg	1636 kg	1630 kg	6532 kg
Total	4459 kg	4513 kg	4513 kg	4459 kg	17944 kg

2-2. Cross Beam

1) Dimension of Cross Beam



2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.499 \times 2.000 - 1.5128 = 5.4852 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.193 \times 2.000 = 0.3860 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.499 \times 2.000 - 1.5128 = 5.4852 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.149 \times 2.000 = 0.2980 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Crossbeam Width} \times \text{Crossbeam Height}$$

$$= 2.799 \times 1.394 = 3.9018 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = a1+a2 \times \text{Width of Corssbeam} \times \text{Number of Position}$$

$$= 5.8712 \times 0.900 \times 3 = 15.852 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = a1'+a2' \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.7832 \times 0.950 \times 3 = 16.482 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = a3 \times \text{Width of Cross Beam} \times \text{Number of Position} \times \text{Number of Position (Bridge Axial Direction)}$$

$$= 3.9018 \times 0.300 \times 3 \times 1 = 3.512 \text{ m}^3$$

$$V1 = 19.364 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 16.482 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 91.053889$ $k_1 = 1 / \sin \theta_1 = 1.000169$
 Angle of End Point $\theta_2 = 91.053889$ $k_2 = 1 / \sin \theta_2 = 1.000169$
 Angle of Intermediate Cross Beam $\theta_3 = 91.053889$ $k_3 = 1 / \sin \theta_3 = 1.000169$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (2 \times k_1 \times 5.4852 + 2.799 \times 0.900 + 0.193 \times 0.900 \times 2) \times 3 = 41.517 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.4852 + 2.799 \times 0.950 + 0.149 \times 0.950 \times 2) \times 3 = 25.286 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.9018 + 2.799 \times 0.300) \times 3 \times 1 = 25.934 \text{ m}^2$$

$$A1 = 67.451 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 25.286 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

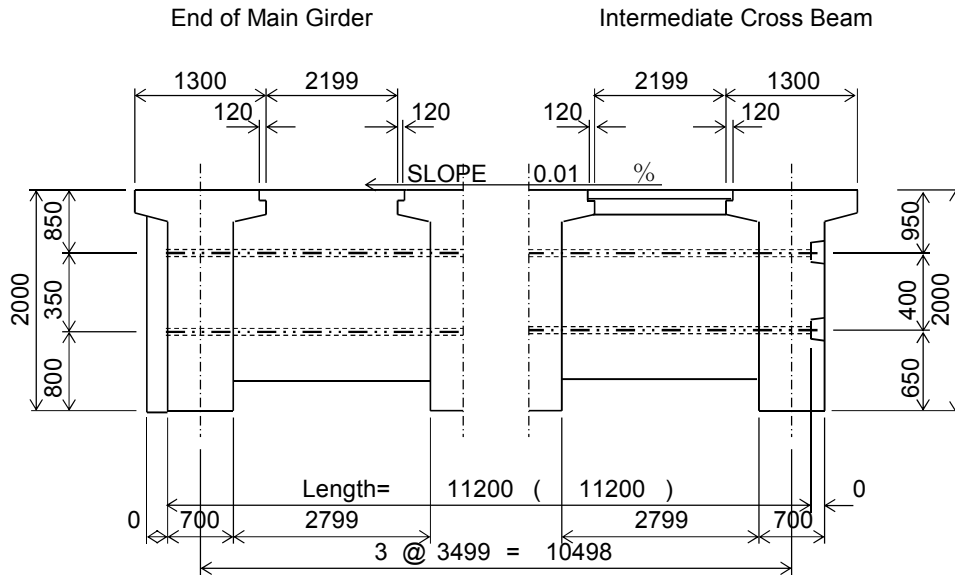
3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	537 kg	0 kg	537 kg
D16	304 kg	0 kg	304 kg
D13	98 kg	230 kg	328 kg
Total	939 kg	230 kg	1169 kg

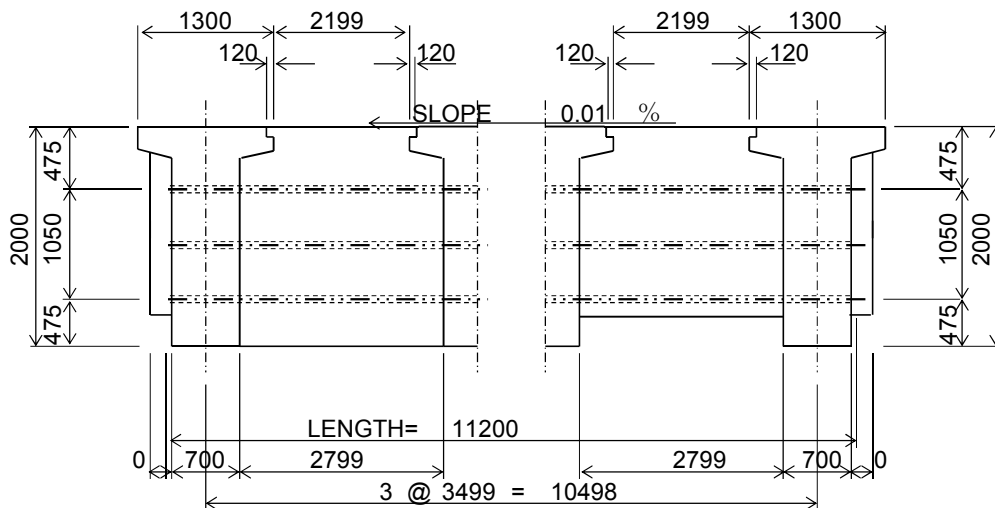
4. PC Strand for Stressing

Strand 4S15.2 mm (SWPR7BL)
 Unit Weight $\gamma_p = 4.404$ kg/m
 Stressing Method Bilateral Stressing
 Number $N_p = 13$



But, () is Value of Intermediate Cross Beam

Cross Beam at Connecting Part



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.200	4	44.800
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	7	78.400
Total	—	13	145.600

• Length (Except Additional Length)

$$\Sigma L1 = 145.600 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 145.600 \times 4.404 \text{ kg/m} = 641.222 \text{ kg}$$

3) Sheath Length

(1) Sheath Between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{WIDTH} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.799 \times k1 + 2 \times 0.015) \times 4) \\
 &\quad + (\text{WIDTH} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.799 \times k2 + 2 \times 0.015) \times 7 \\
 &\quad + (\text{WIDTH} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.799 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 110.349 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 4 + k2 \times 7 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 9.102 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 145.600 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 13 = 26 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 13 = 26 \text{ set}$$

7) Stressing Work (4S15.2)

$$N_k = 2 \times n_p = 2 \times 13 = 26 \text{ No.}$$

8) Fixing Device (4S15.2)

$$N_k = 2 \times n_p = 2 \times 13 = 26 \text{ No.}$$

1) Dimension

Technical drawing of a three-span bridge deck cross-section. The drawing shows a symmetrical cross-section with three spans separated by two piers. Key dimensions include: overall width of 10498 (3 @ 3499), span lengths of 1300 and 1224, and various vertical and horizontal offsets for the deck, piers, and abutments. Labels like 'a1', 'a2', and 'a3' indicate specific structural points or materials. The drawing is a detailed technical sketch with dimension lines and numerical values.

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2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.499 + 1.300) \times 0.170 &= 2.0057 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.379^{*1} &= 0.1175 \text{ m}^{2*1} \\
 & & (0.484^{*2}) & (= 0.1500 \text{ m}^{2*2}) \\
 & & ((0.479^{*3})) & ((= 0.1485 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.574^{*1} &= 0.1779 \text{ m}^{2*1} \\
 & & (0.477^{*2}) & (= 0.1479 \text{ m}^{2*2}) \\
 & & ((0.471^{*3})) & ((= 0.1460 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.057^{*1}) \times 0.150 &= 0.0050 \text{ m}^{2*1} \\
 & & (0.047^{*2}) & (= 0.0043 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.041^{*1}) \times 0.150 &= 0.0038 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3099 \text{ m}^{2*1} \\
 & (= 2.3123 \text{ m}^{2*2}) \\
 & ((= 2.3090 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of the Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.398 + 0.057 + 0.150 + 0.010 - 0.157 \\
 &+ 0.250 + 0.586 + 0.041 + 0.150 + 0.010 - 0.153 \\
 &= 1.592 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^1 \times (\text{ Girder Length} + \text{ Right Connecting Part}) \\ &= 2.3099 \times (29.798 + 0.100) = 69.061 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= i1 \times (\text{ Girder Length} + \text{ Right Connecting Part}) \\ &= 1.592 \times (29.798 + 0.100) = 47.598 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (PF7 Part)

$$\begin{aligned} A1-2 &= \Sigma a^2 \times 1 / \sin \theta 1 & \theta 1 &= \text{ Angle of Starting Point Side} \\ &= 2.3123 \times 1.000169 & &= 2.313 \text{ m}^2 \end{aligned}$$

$$A1 = 49.911 \text{ m}^2$$

3. Reinforcement Bar Include Quantity between PF8~PF11

Specifiaction: SD345

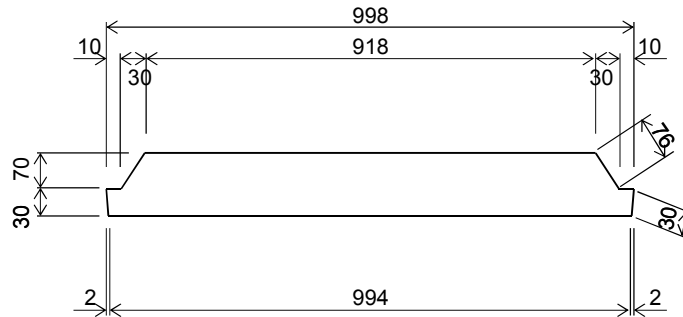
Reinforcement Bar

D22	22142 kg
D19	74389 kg
D16	9733 kg
D13	3329 kg
Total	109593 kg

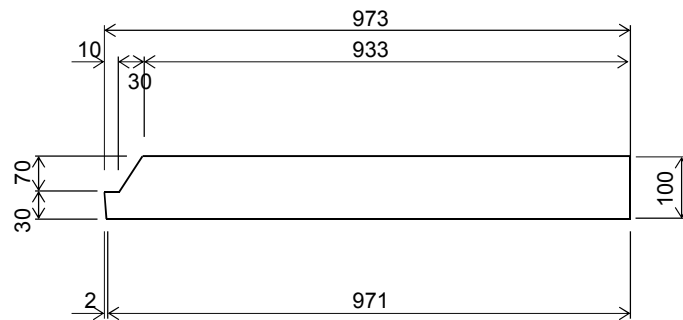
2-4. PC Plate

1) Dimension

Type① (t = 100 mm)



Type② (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type②

$$\begin{aligned}
 a2-1 &= 0.973 \times 0.100 &= 0.0973 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a2 &= 0.0955 \text{ m}^2
 \end{aligned}$$

1. The Number of PC Plate

PC Plate Type	Number	Shape	Dimension
①	78	Standard	998 × 2380 × 100
②	6	Adjustment	973 × 2380 × 100
Total	84		

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$V1 = 0.0962 \times 2.380 = 0.229 \text{ m}^3$$

$$V2 = 0.0955 \times 2.380 = 0.227 \text{ m}^3$$

$$\Sigma V = 0.229 \times 78 + 0.227 \times 6 = 19.224 \text{ m}^3$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.224 \times 2.50 \text{ t/m}^3 = 48.06 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.971) \times 2.380 + 0.0955 \times 2 = 2.992 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 2.992 \times 6 = 256.866 \text{ m}^2$$

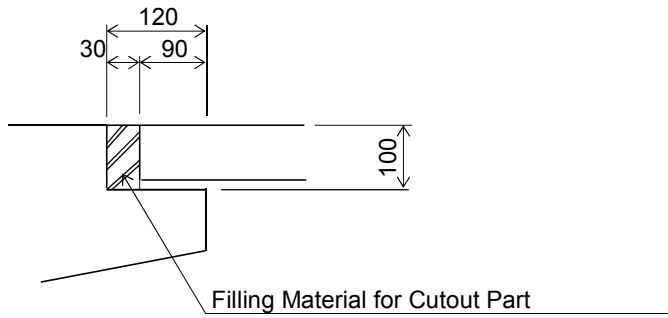
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 78 + 0.974 \times 6) = 199.549 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

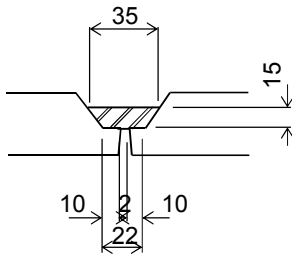
$$L_j = (1.000 \times 78 + 0.974 \times 6) \times 2 = 167.688 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 78 + 0.974 \times 6) \times 2 = 0.503 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand 1S9.3 mm (SWPR7AL)
 Number Np = 15 (For Each PC Plate)
 Unit Weight yp = 0.405 kg/m

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

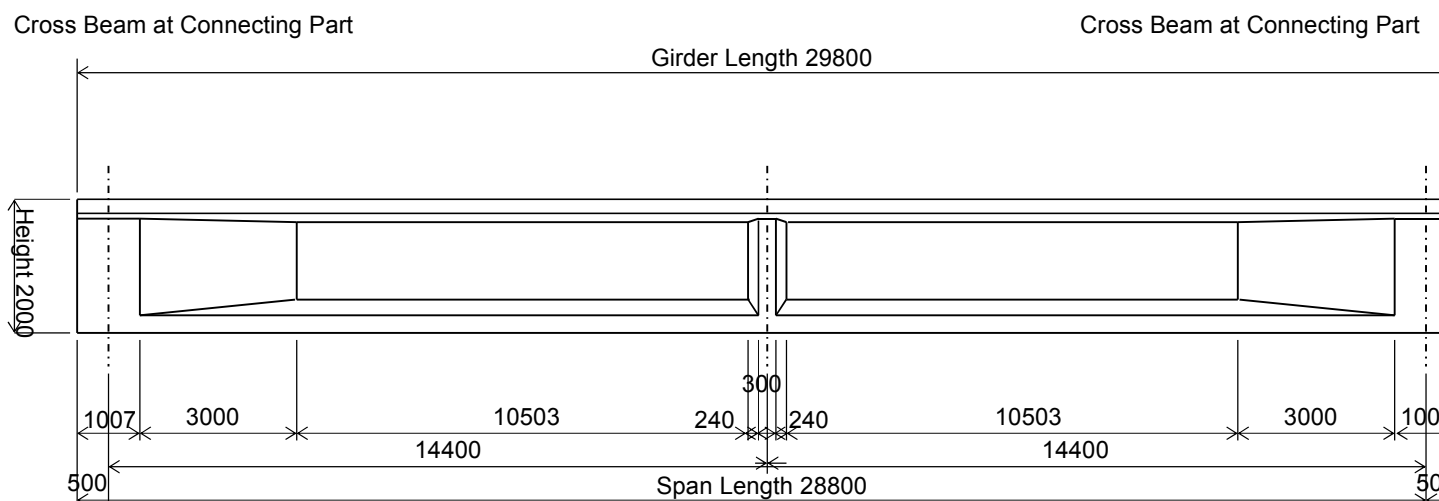
$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

9. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar
D10 1487 kg
Total 1487 kg

\$3 PF8-PF9 Quantity Calculation
3-1. Main Girder

(PF8 ~ PF9 Longitudinal Dimensions)



Note) Dimensions are Measured from the Center of Girder Height

• Length of Standard Part

$$L0 = 10.503 \times 1 + 10.503 \times 1 = 21.006 \text{ m}$$

• Length of Cross Beam Part

$$L1 = 1.007 + 1.007 + 0.300 \times 1 = 2.314 \text{ m}$$

• Length of Widening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.800 \text{ m}$$

• Angle

$$\text{Start Point } \theta 1 = 90.000000$$

$$\text{End Point } \theta 2 = 90.000000$$

$$\text{Cross Beam } \theta 3 = 90.000000$$

• Number of Main Girder

$$\text{Outer Girder: } 2$$

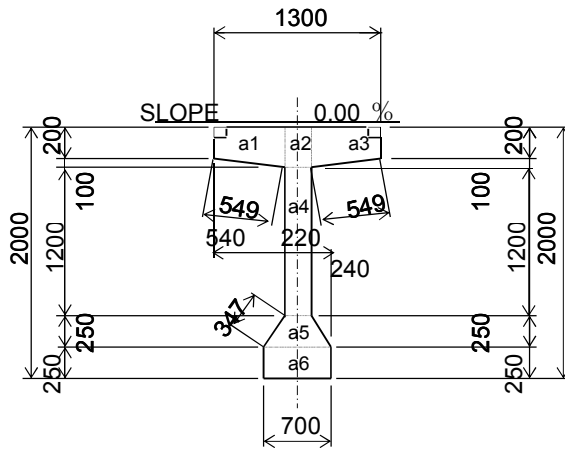
$$\text{Inner Girder: } 2$$

• Number of Intermediate Cross Beam

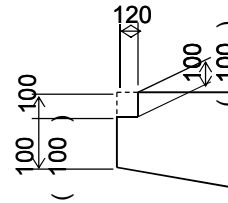
$$Ny1 = 1$$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.200 + 0.300) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.300 + 0.300) \times 0.220 &= 0.0660 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.300 + 0.200) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.200 + 1.200) \times 0.220 &= 0.2640 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.250 &= 0.1750 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8660 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

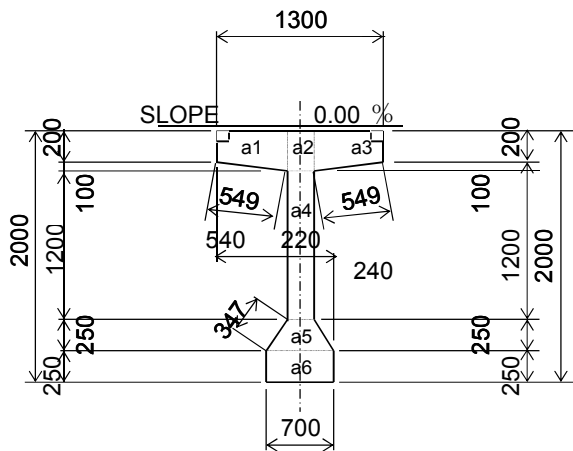
$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.549 + 0.549 \\
 &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 &= 5.092 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

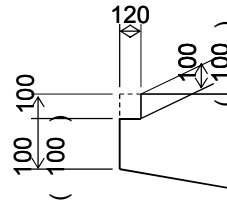
$$i1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8900 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8900 + -0.0120 = 0.8780 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

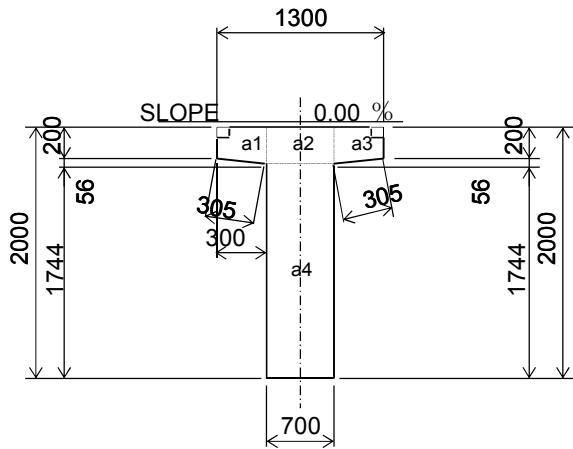
$$\begin{aligned} l1 &= 0.200 + 0.100 + 0.100 + 0.549 + 0.549 \\ &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 = 5.092 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

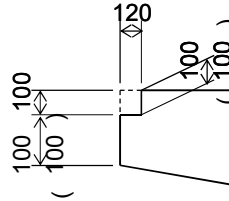
$$l1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.256) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.256 + 0.256) \times 0.700 &= 0.1792 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.256 + 0.200) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.744 + 1.744) \times 0.700 &= 1.2208 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.5128 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

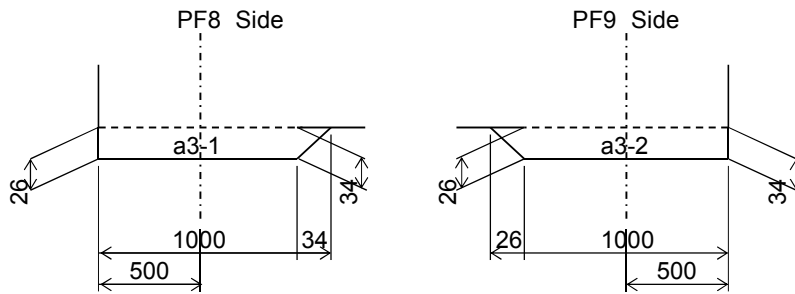
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.305 \\
 &+ 0.305 + 1.744 + 1.744 &= 4.498 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.026 + 0.034) \times 1.000 + 1 / 2 \\
 &\quad \times 0.034 \times 0.034 = 0.0306 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.034 + 0.026) \times 1.000 + 1 / 2 \\
 &\quad \times 0.026 \times 0.026 = 0.0303 \text{ m}^2
 \end{aligned}$$

(3) Increase of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0306 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0303 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increase of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0306 + 0.026 \times 0.700 \times 1.000000 = 0.079 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0303 + 0.034 \times 0.700 \times 1.000000 = 0.084 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned} V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8660 \times 21.006 &= 18.191 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5128 \times 2.314 &= 3.501 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8660 + 1.5128) \times 6.480 &= 7.707 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V1 = 29.441 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 29.441 \times 2.50 \text{ t/m}^3 = 73.60 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned} V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8780 \times 21.006 &= 18.443 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5248 \times 2.314 &= 3.528 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8780 + 1.5248) \times 6.480 &= 7.785 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V2 = 29.798 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 29.798 \times 2.50 \text{ t/m}^3 = 74.50 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin \theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin \theta_2 = 1.000000$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 148.606 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 148.606 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.5128 \times (1.000000 + 1.000000) &= 3.026 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.5248 \times (1.000000 + 1.000000) &= 3.050 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.860 \text{ m}^2
 \end{aligned}$$

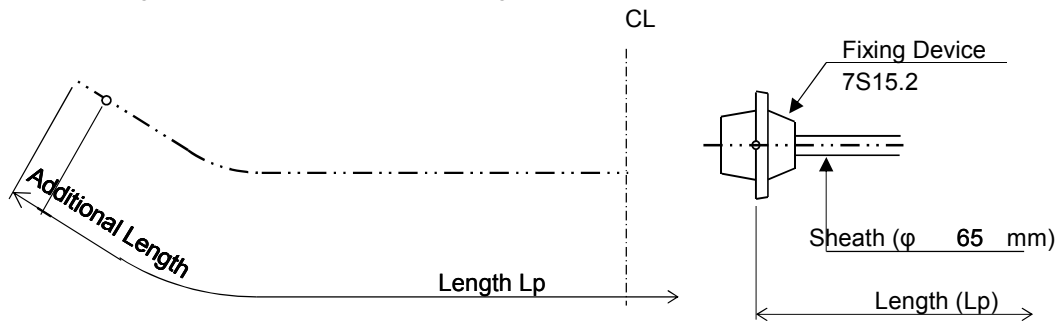
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.860 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specification

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.561	1	29.561
C2	29.531	1	29.531
C3	29.501	1	29.501
C4	29.456	1	29.456
C5	29.406	1	29.406
TOTAL	—	5	147.455

• Length (Except Additional Length)

$$\Sigma L1 = 147.455 \quad = \quad 147.455 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.455 \times 7.707 \text{ kg/m} = 1136.436 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.455 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.455 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

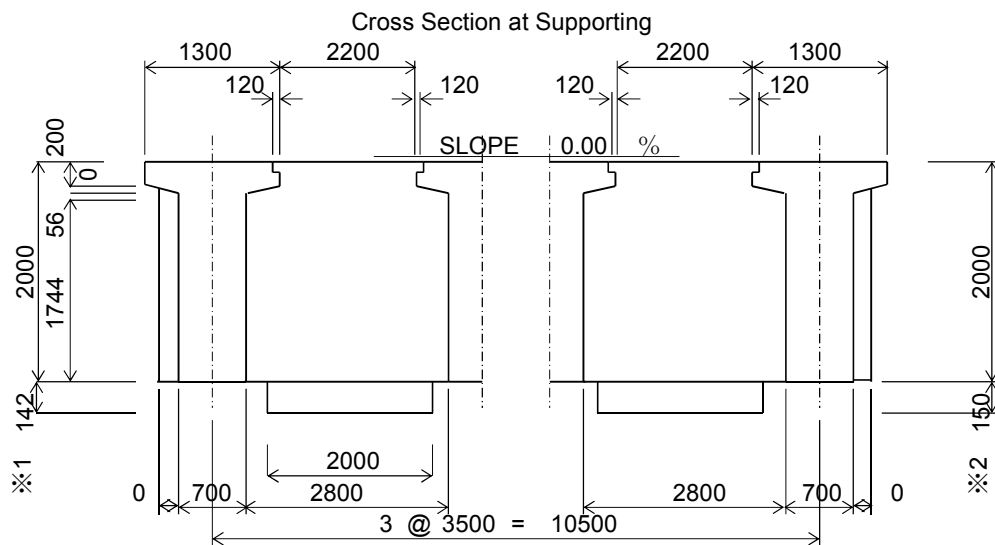
Specification : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg	3316 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg	8096 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg	6536 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg	17948 kg

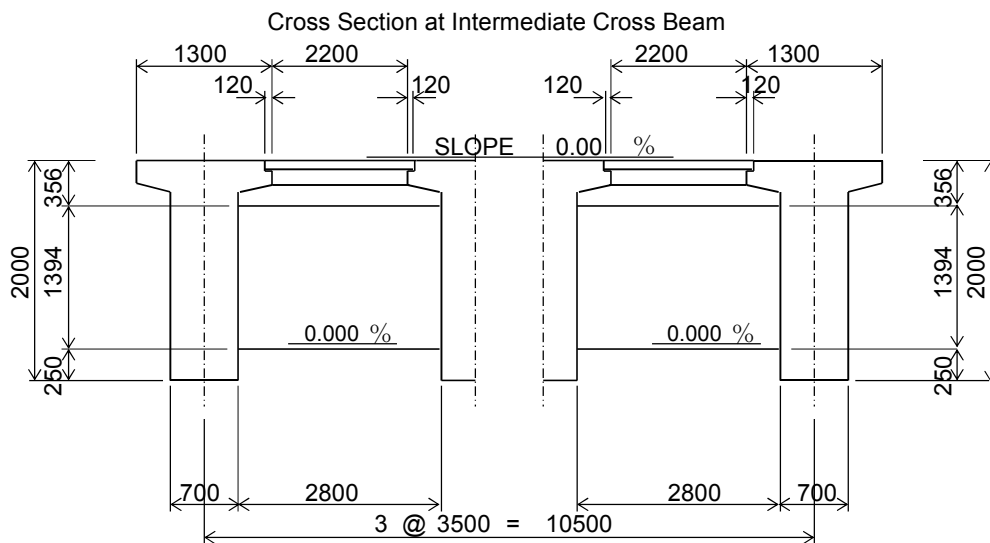
3-2. Cross Beam

1) Dimension of Cross Beam



※1 Dimensions of Starting Point

※2 Dimensions of End Point



2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.142 \times 2.000 = 0.2840 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.150 \times 2.000 = 0.3000 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.394 = 3.9032 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = \frac{\text{Width of}}{a1+a2} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.7712 \times 0.950 \times 3 = 16.448 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = \frac{\text{Width of}}{a1'+a2'} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.7872 \times 0.950 \times 3 = 16.494 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = \frac{\text{Width of}}{a3} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}} \times \frac{\text{Number of Position}}{\text{(Bridge Axial Direction)}}$$

$$= 3.9032 \times 0.300 \times 3 \times 1 = 3.513 \text{ m}^3$$

$$V1 = 3.513 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 32.942 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin \theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin \theta_2 = 1.000000$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin \theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.4872 + 2.800 \times 0.950 + 0.142) \times 3 = 25.251 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.4872 + 2.800 \times 0.950 + 0.150) \times 3 = 25.297 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.9032 + 2.800 \times 0.300) \times 3 \times 1 = 25.939 \text{ m}^2$$

$$A1 = 25.939 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 50.548 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

3. Reinforcement Bar

Specifiaction: SD345

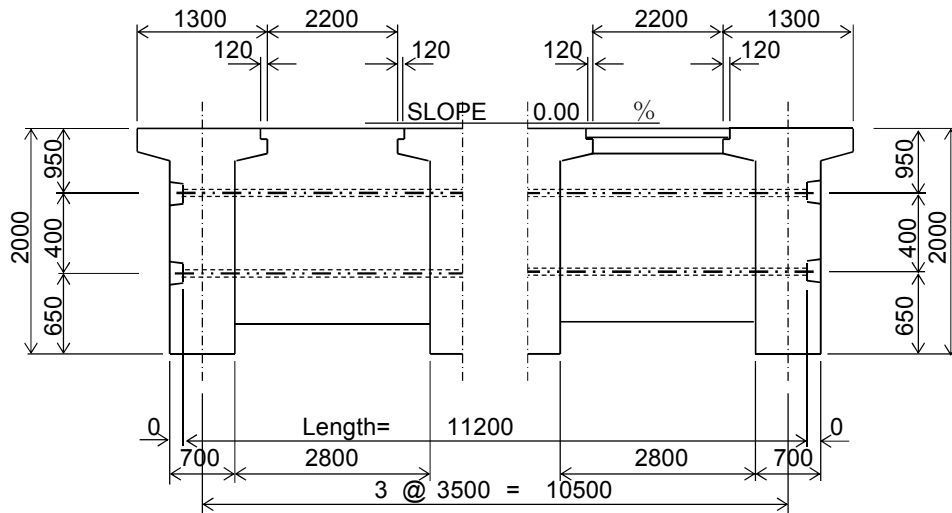
Reinforcement Bar

	Intermediate	Total
D22	0 kg	0 kg
D19	0 kg	0 kg
D16	0 kg	0 kg
D13	230 kg	230 kg
Total	230 kg	230 kg

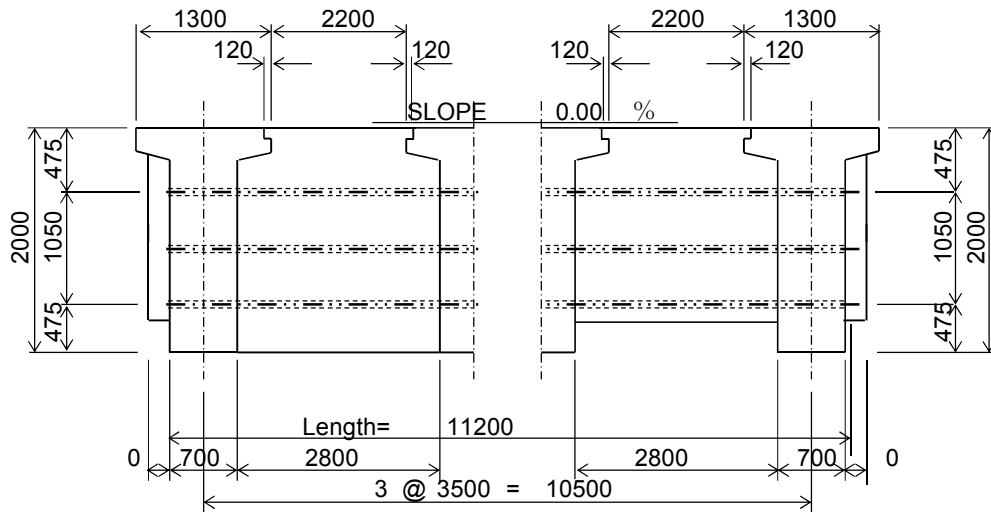
4. PC Strand for Stressing

Strand	4S15.2 mm (SWPR7BL)
Unit Weight	$\gamma_p = 4.404 \text{ kg/m}$
Stressing Method	Bilateral Stressing
Number	$N_p = 16$

Intermediate Cross Beam



Cross Beam at Connecting Part



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	14	156.800
Total	—	16	179.200

• Length (Except Additional Length)

$$\Sigma L1 = 179.200 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 179.200 \times 4.404 \text{ kg/m} = 789.197 \text{ kg}$$

3) Sheath Length

(1) Sheath between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{Width} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 7) \\
 &\quad + (\text{Width} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 7 \\
 &\quad + (\text{Width} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 135.840 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 7 + k2 \times 7 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 11.200 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 179.200 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 16 = 32 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 16 = 32 \text{ set}$$

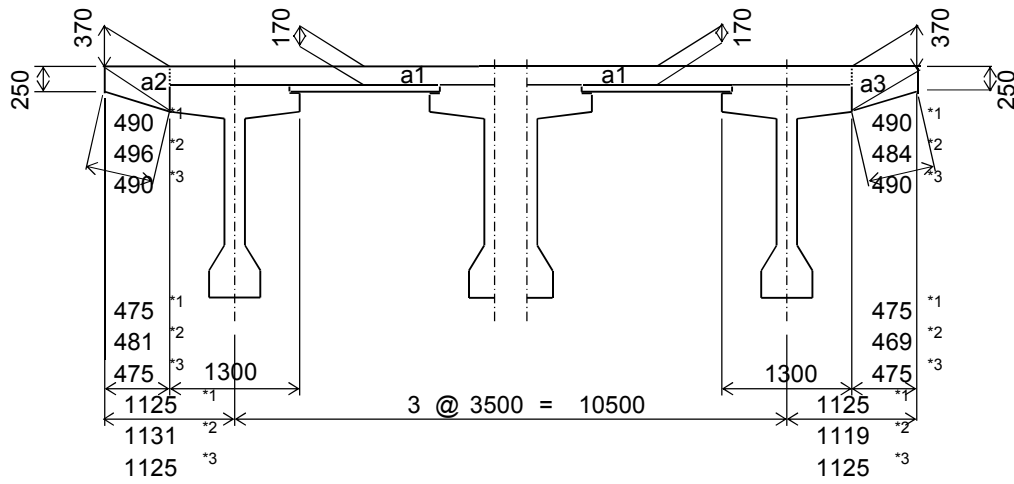
7) Stressing Work (4S15.2)

$$N_k = 2 \times n_p = 2 \times 16 = 32 \text{ No.}$$

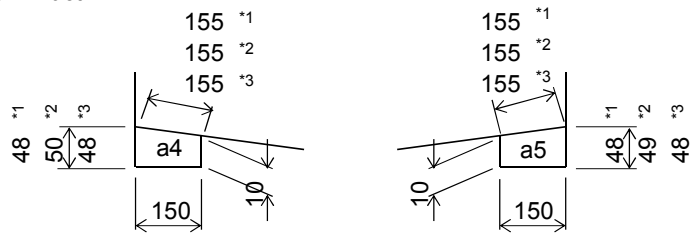
8) Fixing Device (4S15.2)

$$N_k = 2 \times n_p = 2 \times 16 = 32 \text{ No.}$$

1) Dimension



- Drain Duct



- But,
- *1...Mean Value of Main Girder
 - *2...Dimensions of Starting Point Side
 - *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.481^{*2}) & (= 0.1491 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.469^{*2}) & (= 0.1454 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.050^{*2}) & (= 0.0045 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.049^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3094 \text{ m}^{2*1} \\
 & (= 2.3094 \text{ m}^{2*2}) \\
 & ((= 2.3094 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 l1 &= 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &+ 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &= 1.586 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1 &= \Sigma a^{*1} \times (\text{Left Connecting Part} + \text{Girder Length} + \text{Right Connecting Part}) \\
 &= 2.3094 \times (0.100 + 29.800 + 0.100) = 69.282 \text{ m}^3
 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned}
 A1 &= l1 \times (\text{Left Connecting Part} + \text{Girder Length} + \text{Right Connecting Part}) \\
 &= 1.586 \times (0.100 + 29.800 + 0.100) = 47.580 \text{ m}^2
 \end{aligned}$$

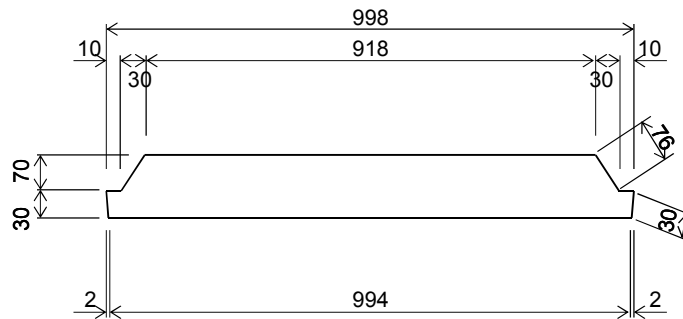
3. Reinforcement Bar

Note...Shall Include Quantity between PF7~PF8

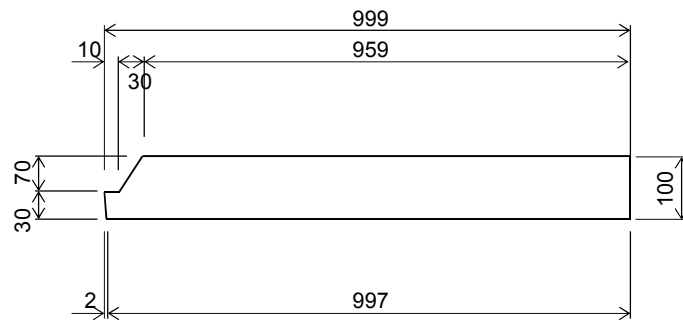
3-4. PC Plate

1) Dimension

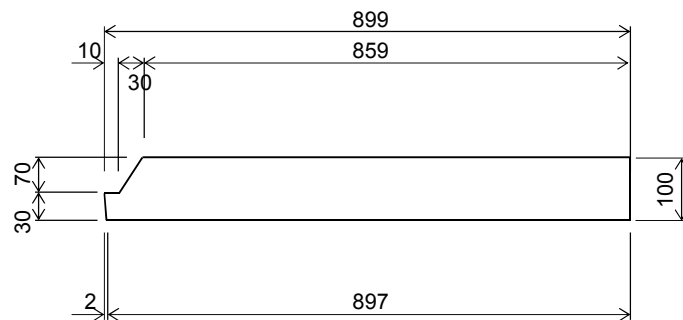
Type① (t = 100 mm)



Type③ (t = 100 mm)



Type④ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type③

$$\begin{aligned}
 a2-1 &= 0.999 \times 0.100 &= 0.0999 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a2 &= 0.0981 \text{ m}^2
 \end{aligned}$$

Type④

$$\begin{aligned}
 a3-1 &= 0.899 \times 0.100 &= 0.0899 \text{ m}^2 \\
 a3-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a3-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0881 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	78	Standard 998 × 2380 × 100
③	3	Adjustment 999 × 2380 × 100
④	3	Adjustment 899 × 2380 × 100
Total	84	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0981 \times 2.380 &= 0.233 \text{ m}^3 \\
 V3 &= 0.0881 \times 2.380 &= 0.210 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 78 + 0.233 \times 3 + 0.210 \times 3 &= 19.191 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.191 \times 2.50 \text{ t/m}^3 = 47.98 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.997) \times 2.380 + 0.0981 \times 2 = 3.059 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.897) \times 2.380 + 0.0881 \times 2 = 2.801 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 3.059 \times 3 + 2.801 \times 3 = 256.494 \text{ m}^2$$

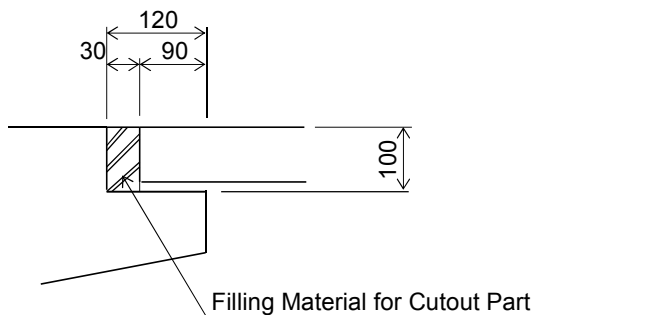
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 81 + 0.900 \times 3) = 199.206 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

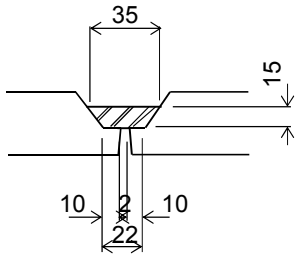
$$L_j = (1.000 \times 81 + 0.900 \times 3) \times 2 = 167.400 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 81 + 0.900 \times 3) \times 2 = 0.502 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand 1S9.3 mm (SWPR7AL)
 Number Np = 15 (For Each PC Plate)
 Unit Weight yp = 0.405 kg/m

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

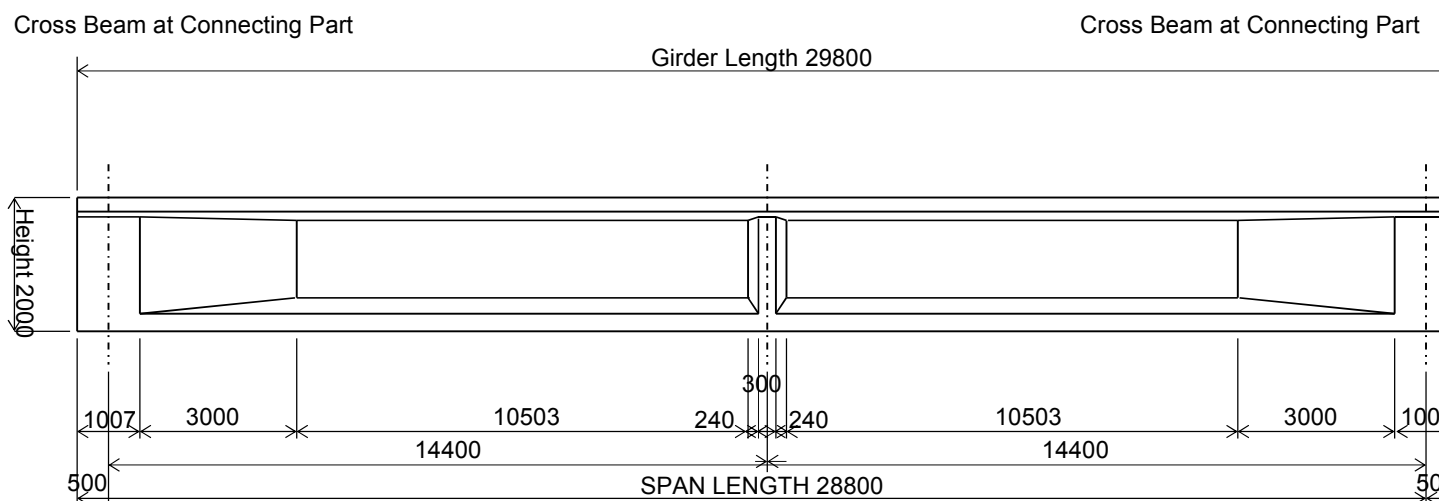
$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

9. Reinforcement Bar

Specifiaction: SD345
 Reinforcement Bar
 D10 1487 kg
 Total 1487 kg

§4 PF9-PF10 Quantity Calculation
4-1. Main Girder

(PF9 ~ PF10 Longitudinal Dimensions)



Note) Dimensions are Measured from Center of Girder Height

• Length of Standard Part

$$L0 = 10.503 \times 1 + 10.503 \times 1 = 21.006$$

• Length of Cross Beam Part

$$L1 = 1.007 + 1.007 + 0.300 \times 1 = 2.314$$

• Length of Widening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.800 \text{ m}$$

• Angle

$$\text{Start Point } \theta 1 = 90.000000$$

$$\text{End Point } \theta 2 = 90.000000$$

$$\text{Cross Beam } \theta 3 = 90.000000$$

• Number of Main Girder

$$\text{Outer Girder: } 2$$

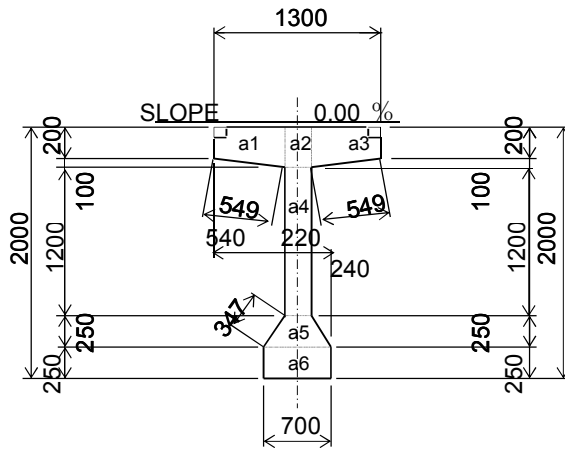
$$\text{Inner Girder: } 2$$

• Number of Intermediate Cross Beam

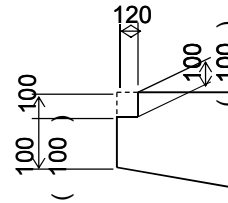
$$Ny1 = 1$$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.200 + 0.300) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.300 + 0.300) \times 0.220 &= 0.0660 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.300 + 0.200) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.200 + 1.200) \times 0.220 &= 0.2640 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.250 &= 0.1750 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8660 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

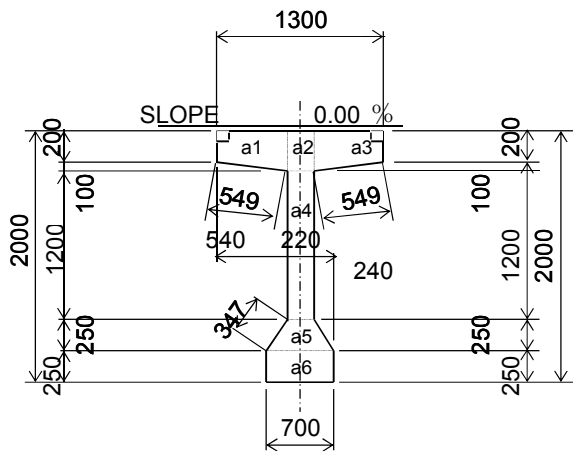
$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.549 + 0.549 \\
 &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 &= 5.092 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

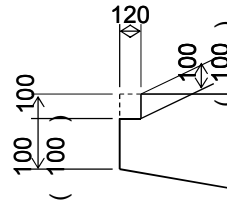
$$i1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8900 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8900 + -0.0120 = 0.8780 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

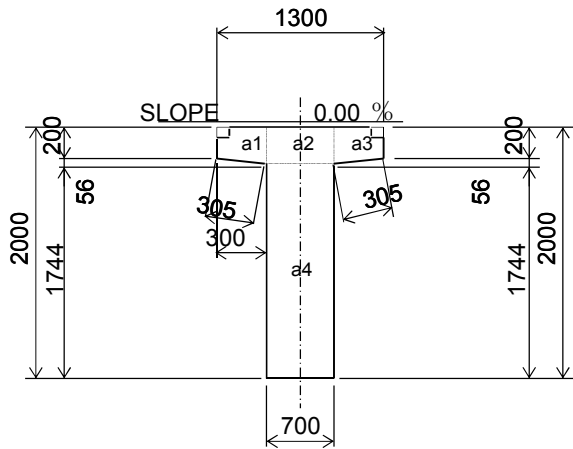
$$\begin{aligned} l1 &= 0.200 + 0.100 + 0.100 + 0.549 + 0.549 \\ &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 = 5.092 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

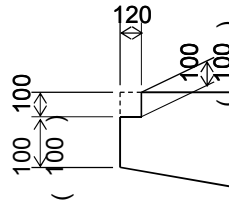
$$l1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.256) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.256 + 0.256) \times 0.700 &= 0.1792 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.256 + 0.200) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.744 + 1.744) \times 0.700 &= 1.2208 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.5128 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

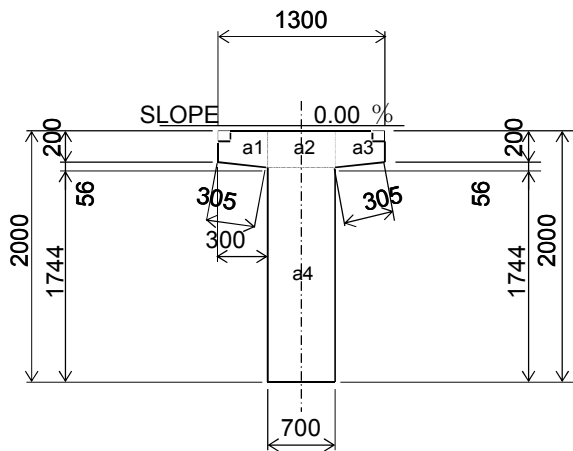
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.305 \\
 &+ 0.305 + 1.744 + 1.744 &= 4.498 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

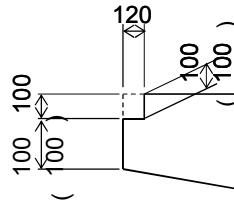
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.5368 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.5368 + -0.0120 = 1.5248 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

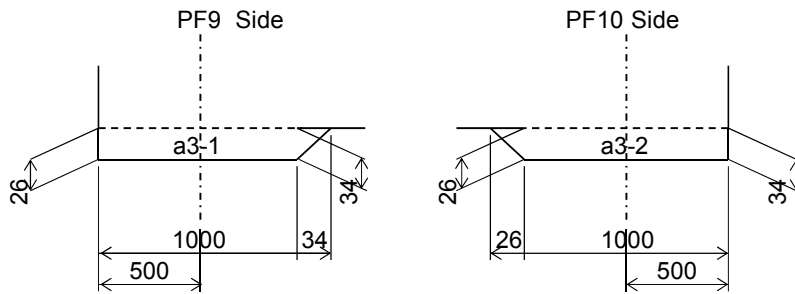
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.100 + 0.305 + 0.305 \\ &\quad + 1.744 + 1.744 = 4.498 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= \frac{1}{2} \times (0.026 + 0.034) \times 1.000 + \frac{1}{2} \times 0.034 \times 0.034 = 0.0306 \text{ m}^2 \\
 a3-2 &= \frac{1}{2} \times (0.034 + 0.026) \times 1.000 + \frac{1}{2} \times 0.026 \times 0.026 = 0.0303 \text{ m}^2
 \end{aligned}$$

(3) Increase of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0306 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0303 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increase of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0306 + 0.026 \times 0.700 \times 1.000000 = 0.079 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0303 + 0.034 \times 0.700 \times 1.000000 = 0.084 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned} V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8660 \times 21.006 &= 18.191 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5128 \times 2.314 &= 3.501 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8660 + 1.5128) \times 6.480 &= 7.707 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V1 = 29.441 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 29.441 \times 2.50 \text{ t/m}^3 = 73.60 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned} V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8780 \times 21.006 &= 18.443 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5248 \times 2.314 &= 3.528 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8780 + 1.5248) \times 6.480 &= 7.785 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V2 = 29.798 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 29.798 \times 2.50 \text{ t/m}^3 = 74.50 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin \theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin \theta_2 = 1.000000$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 148.606 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 148.606 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.5128 \times (1.000000 + 1.000000) &= 3.026 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.5248 \times (1.000000 + 1.000000) &= 3.050 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= 1 / 2 \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= 1 / 2 \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.860 \text{ m}^2
 \end{aligned}$$

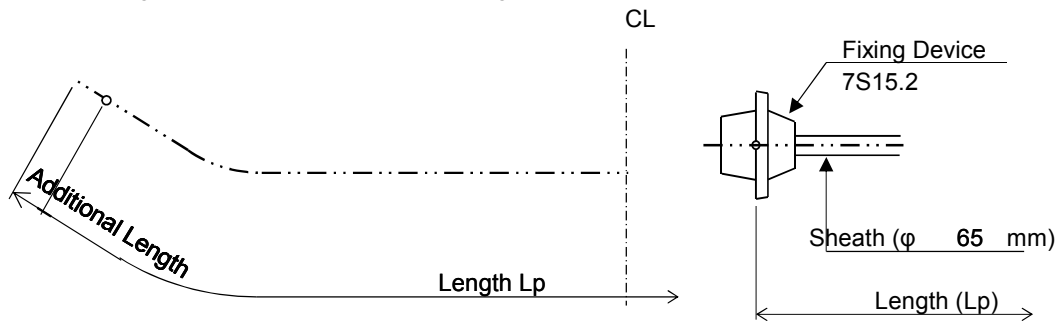
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= 1 / 2 \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= 1 / 2 \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.860 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.561	1	29.561
C2	29.531	1	29.531
C3	29.501	1	29.501
C4	29.456	1	29.456
C5	29.406	1	29.406
Total	—	5	147.455

• Length (Except Additional Length)

$$\Sigma L1 = 147.455 \quad = \quad 147.455 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.455 \times 7.707 \text{ kg/m} = 1136.436 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.455 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.455 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg	3316 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg	8096 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg	6536 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg	17948 kg

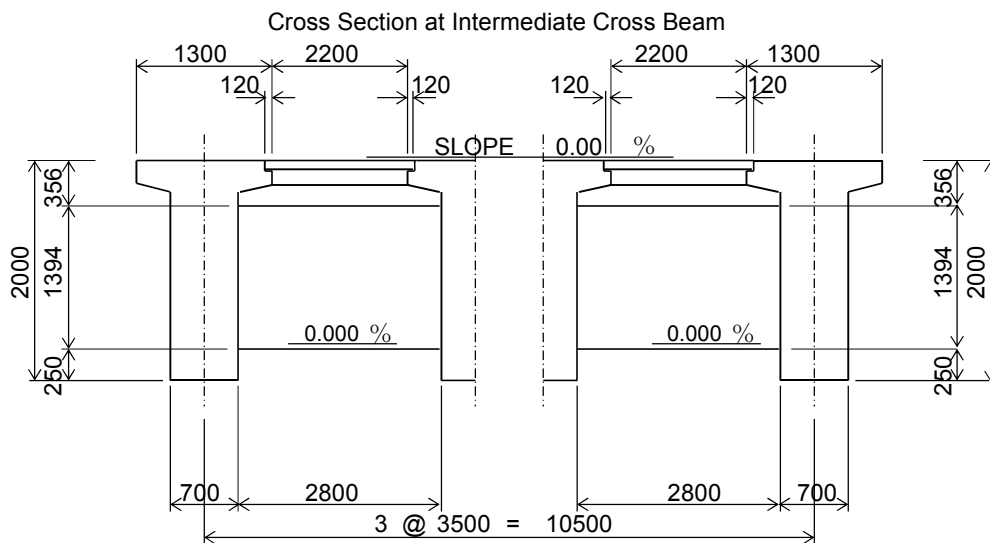
1) Dimension of Cross Beam

Cross Section at Supporting

The diagram illustrates the cross-section of a bridge at its supports, featuring two piers. Key dimensions and labels include:

- Top Deck Dimensions:**
 - Left side: 1300 (total width), 120 (offset), 2200 (main span).
 - Right side: 2200 (main span), 120 (offset), 1300 (total width).
- Vertical Dimensions (Left Pier):**
 - Top flange: 200
 - Web height: 1744
 - Base offset: 56
 - Total height: 2000
 - Bottom flange: 151
- Vertical Dimensions (Right Pier):**
 - Total height: 2000
 - Bottom flange: 142
- Horizontal Dimensions (Bottom):**
 - Pier width: 2800
 - Offset from pier center: 700
 - Span between pier centers: 3 @ 3500 = 10500
- Labels and Notes:**
 - SLOPE 0.00 %** is indicated between the piers.
 - ※1** and **※2** are reference markers for the left and right piers, respectively.

※2 Dimensions of End Point



2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.151 \times 2.000 = 0.3020 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.142 \times 2.000 = 0.2840 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.394 = 3.9032 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = a1+a2 \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.7892 \times 0.950 \times 3 = 16.499 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = a1'+a2' \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.7712 \times 0.950 \times 3 = 16.448 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = a3 \times \text{Width of Cross Beam} \times \text{Number of Position} \times \text{Number of Position (Bridge Axial Direction)}$$

$$= 3.9032 \times 0.300 \times 3 \times 1 = 3.513 \text{ m}^3$$

$$V1 = 3.513 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 32.947 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin\theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin\theta_2 = 1.000000$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin\theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.4872 + 2.800 \times 0.950 + 0.151) \times 3 = 25.302 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.4872 + 2.800 \times 0.950 + 0.142) \times 3 = 25.251 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.9032 + 2.800 \times 0.300) \times 3 \times 1 = 25.939 \text{ m}^2$$

$$A1 = 25.939 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 50.553 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

3. Reinforcement Bar

Specifiaction: SD345

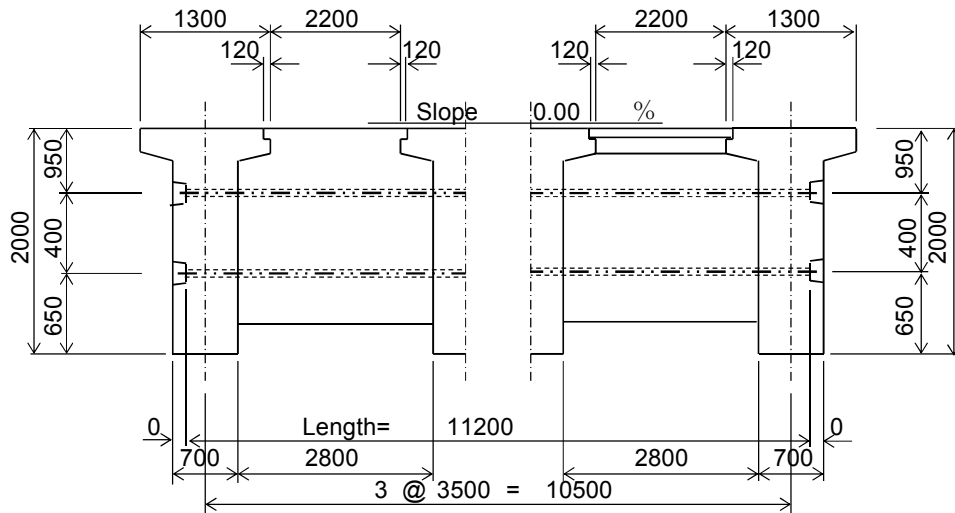
Reinforcement Bar

	Intermediate	Total
D22	0 kg	0 kg
D19	0 kg	0 kg
D16	0 kg	0 kg
D13	230 kg	230 kg
Total	230 kg	230 kg

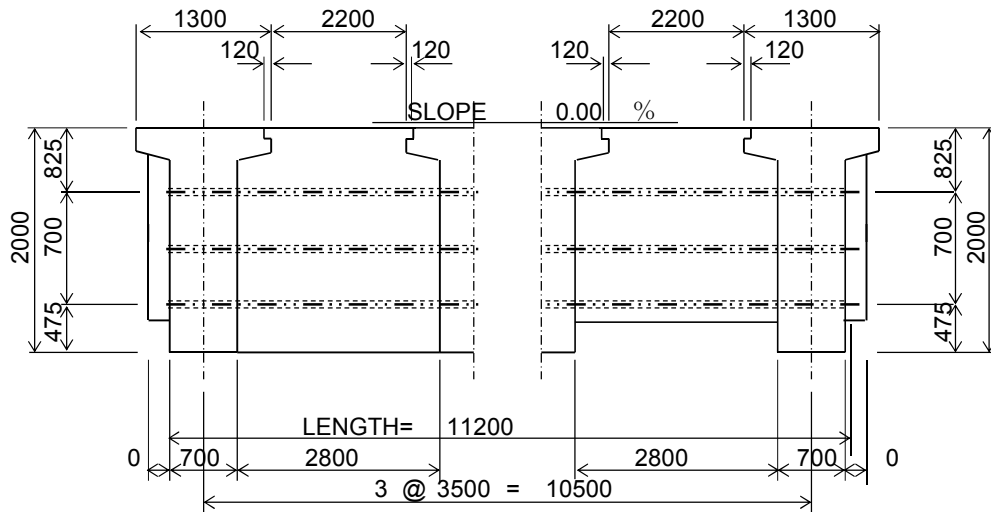
4. PC Strand for Stressing

Strand	4S15.2 mm (SWPR7BL)
Unit Weight	$\gamma_p = 4.404$ kg/m
Stressing Method	Bilateral Stressing
Number	$N_p = 16$

Intermediate Cross Beam



Cross Beam at Connecting Part



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	14	156.800
Total	—	16	179.200

• Length (Except Additional Length)

$$\Sigma L1 = 179.200 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 179.200 \times 4.404 \text{ kg/m} = 789.197 \text{ kg}$$

3) Sheath Length

(1) Sheath Between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{WIDTH} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 7) \\
 &\quad + ((\text{WIDTH} \times k2 + 2 \times 0.015) \times \text{No.}) \\
 &\quad + ((2.800 \times k2 + 2 \times 0.015) \times 7) \\
 &\quad + ((\text{WIDTH} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + ((2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 135.840 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 7 + k2 \times 7 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 11.200 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 179.200 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 16 = 32 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 16 = 32 \text{ set}$$

7) Stressing Work (4S15.2)

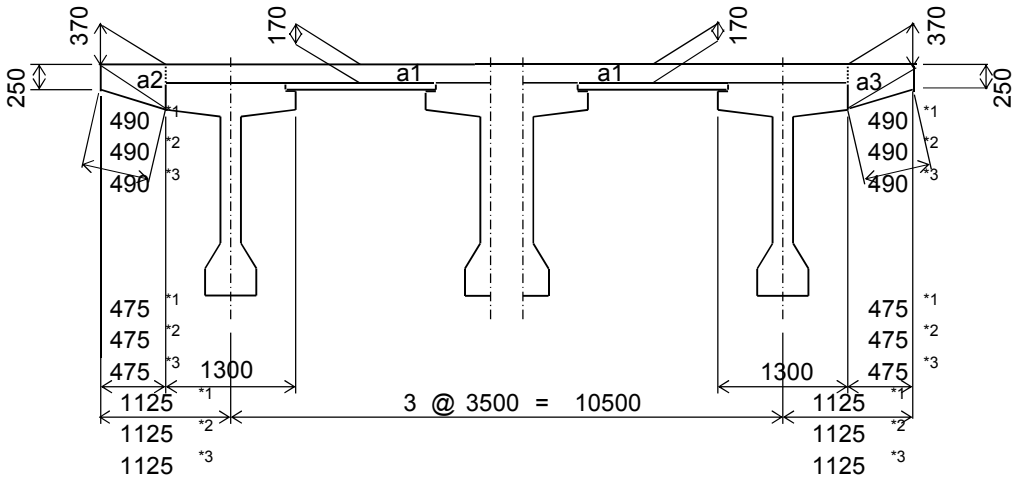
$$N_k = 2 \times n_p = 2 \times 16 = 32 \text{ No.}$$

8) Fixing Device (4S15.2)

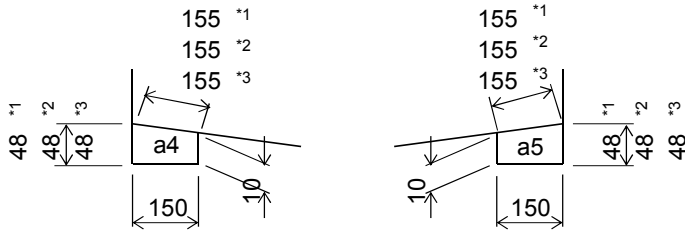
$$N_k = 2 \times n_p = 2 \times 16 = 32 \text{ No.}$$

4-3. Deck Slab

1) Dimension



• Drain Duct



But, *1...Mean Value of Main Girder
*2...Dimensions of Starting Point Side
*3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3094 \text{ m}^{2*1} \\
 & (= 2.3094 \text{ m}^{2*2}) \\
 & ((= 2.3094 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 l1 &= 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &+ 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &= 1.586 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1 &= \Sigma a^{*1} \times (\text{Left Connecting Part} + \text{Girder Length} + \text{Right Connecting Part}) \\
 &= 2.3094 \times (0.100 + 29.800 + 0.100) = 69.282 \text{ m}^3
 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned}
 A1 &= l1 \times (\text{Left Connecting Part} + \text{Girder Length} + \text{Right Connecting Part}) \\
 &= 1.5860 \times (0.100 + 29.800 + 0.100) = 47.580 \text{ m}^2
 \end{aligned}$$

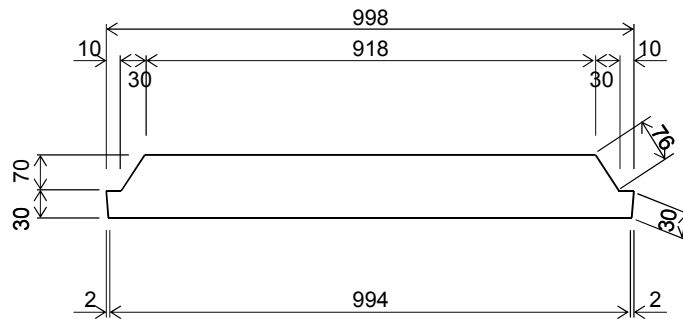
3. Reinforcement Bar

Note...Shall Include Quantity between PF7~PF8

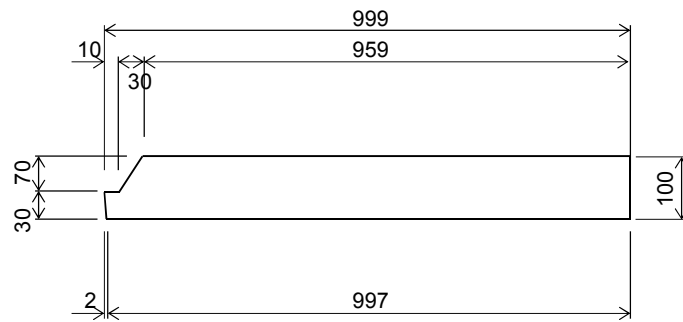
4-4. PC Plate

1) Dimension

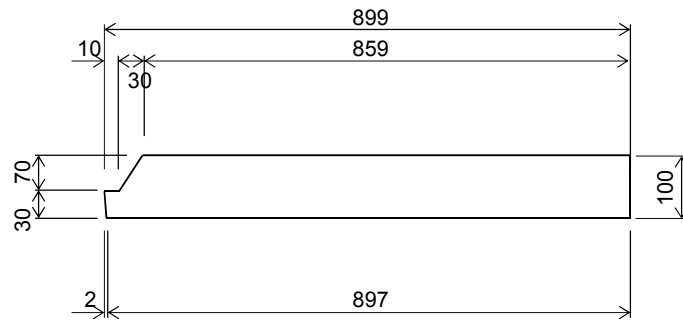
Type① (t = 100 mm)



Type③ (t = 100 mm)



Type④ (t = 100 mm)



2) Cross Section Area

Type①

$$a1-1 = 0.998 \times 0.100 = 0.0998 \text{ m}^2$$

$$a1-2 = -1 / 2 \times 0.002 \times 0.030 \times 2 = -0.00006 \text{ m}^2$$

$$a1-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 = -0.0035 \text{ m}^2$$

$$a1 = 0.0962 \text{ m}^2$$

Type③

$$a2-1 = 0.999 \times 0.100 = 0.0999 \text{ m}^2$$

$$a2-2 = -1 / 2 \times 0.002 \times 0.030 = -0.00003 \text{ m}^2$$

$$a2-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 = -0.0018 \text{ m}^2$$

$$a2 = 0.0981 \text{ m}^2$$

Type④

$$a3-1 = 0.899 \times 0.100 = 0.0899 \text{ m}^2$$

$$a3-2 = -1 / 2 \times 0.002 \times 0.030 = -0.00003 \text{ m}^2$$

$$a3-3 = -1 / 2 \times (0.010 + 0.040) \times 0.070 = -0.0018 \text{ m}^2$$

$$a3 = 0.0881 \text{ m}^2$$

1. Number of PC Plate

PC Plate Type	Number	Shape	Dimension
①	78	Standard	998 × 2380 × 100
③	3	Adjustment	999 × 2380 × 100
④	3	Adjustment	899 × 2380 × 100
Total	84		

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$V1 = 0.0962 \times 2.380 = 0.229 \text{ m}^3$$

$$V2 = 0.0981 \times 2.380 = 0.233 \text{ m}^3$$

$$V3 = 0.0881 \times 2.380 = 0.210 \text{ m}^3$$

$$\Sigma V = 0.229 \times 78 + 0.233 \times 3 + 0.210 \times 3 = 19.191 \text{ m}^3$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.191 \times 2.50 \text{ t/m}^3 = 47.98 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.997) \times 2.380 + 0.0981 \times 2 = 3.059 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.897) \times 2.380 + 0.0881 \times 2 = 2.801 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 3.059 \times 3 + 2.801 \times 3 = 256.494 \text{ m}^2$$

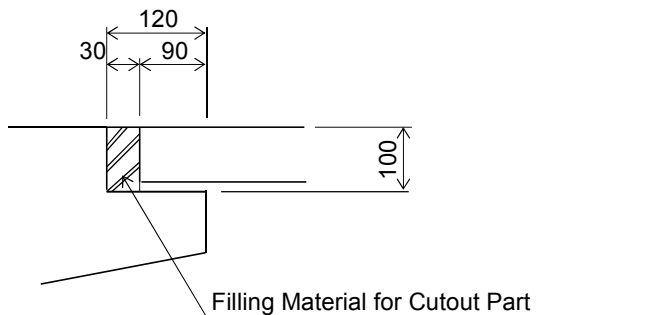
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 81 + 0.900 \times 3) = 199.206 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , SPONGE TAPE

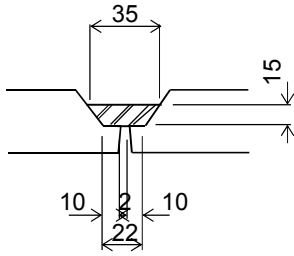
$$L_j = (1.000 \times 81 + 0.900 \times 3) \times 2 = 167.400 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 81 + 0.900 \times 3) \times 2 = 0.502 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand 1S9.3 mm (SWPR7AL)
 Number Np = 15 (For Each PC Plate)
 Unit Weight yp = 0.405 kg/m

2) Length of PC Strand

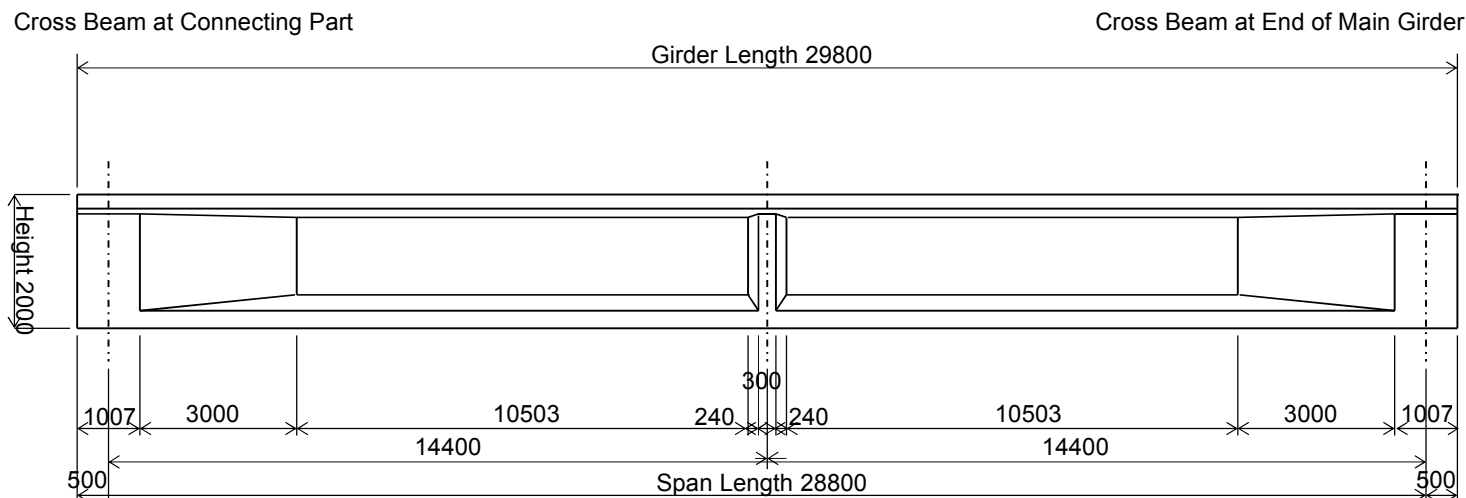
$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

9. Reinforcement Bar

Specifiaction: SD345
 Reinforcement Bar
 D10 1487 kg
 Total 1487 kg



Note) Dimensions are Measured from Center of Girder Height

(PF10 ~ PF11 Longitudinal Dimensions)

• Length of Standard Part

$$L0 = 10.503 \times 1 + 10.503 \times 1 = 21.006 \text{ m}$$

• Length of Cross Beam Part

$$L1 = 1.007 + 1.007 + 0.300 \times 1 = 2.314 \text{ m}$$

• Length of Widening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.800 \text{ m}$$

• Angle

$$\text{Start Point } \theta 1 = 90.000000$$

$$\text{End Point } \theta 2 = 90.000000$$

$$\text{Cross Beam } \theta 3 = 90.000000$$

• Number of Intermediate Cross Beam

$$Ny1 = 1$$

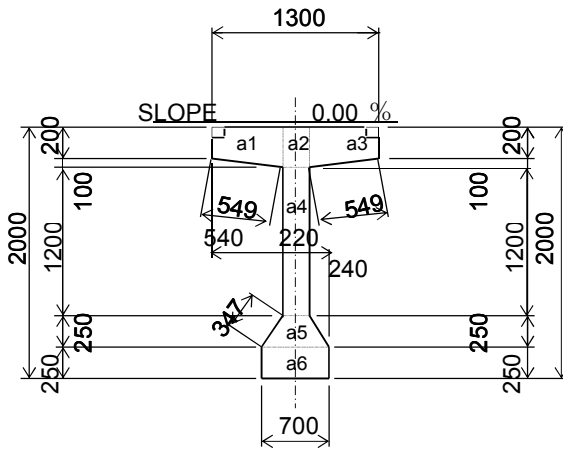
• Number of Main Girder

$$\text{Outer Girder: } 2$$

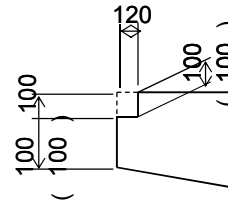
$$\text{Inner Girder: } 2$$

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.200 + 0.300) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.300 + 0.300) \times 0.220 &= 0.0660 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.300 + 0.200) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.200 + 1.200) \times 0.220 &= 0.2640 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.250 &= 0.1750 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8660 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

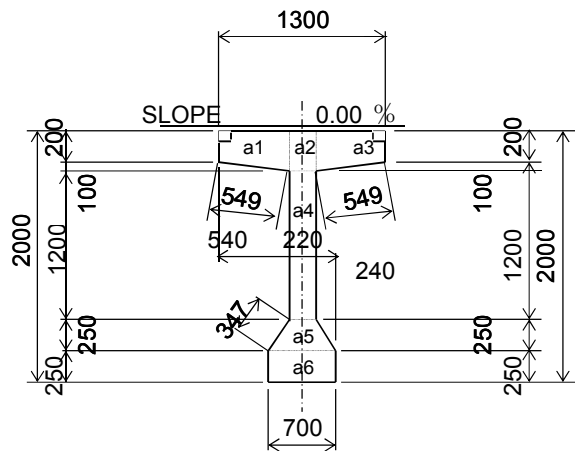
$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.549 + 0.549 \\
 &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 &= 5.092 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

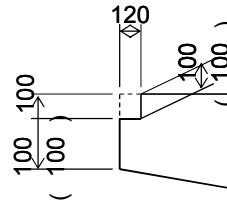
$$i1' = 0.700 \text{ m}$$

(Cross Section)

2) Standard Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a1-1 \sim a1-6) = 0.8900 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a1-7 = -0.0120 \text{ m}^2$$

$$a1 = 0.8900 + -0.0120 = 0.8780 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

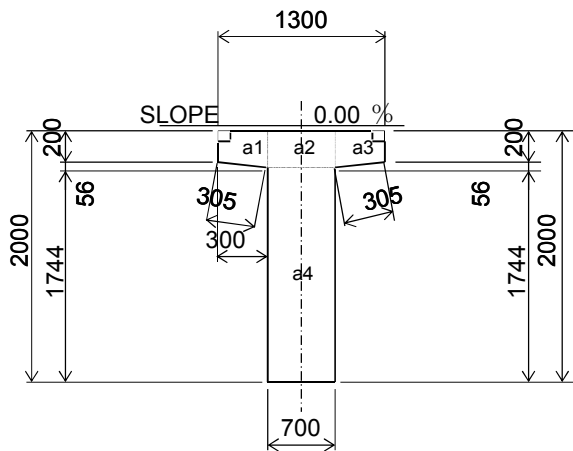
$$\begin{aligned} l1 &= 0.200 + 0.100 + 0.100 + 0.549 + 0.549 \\ &+ 1.200 + 1.200 + (0.347 + 0.250) \times 2 = 5.092 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

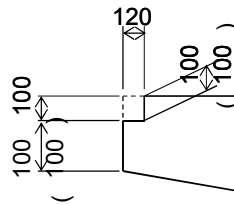
$$l1' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.5368 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.5368 + -0.0120 = 1.5248 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

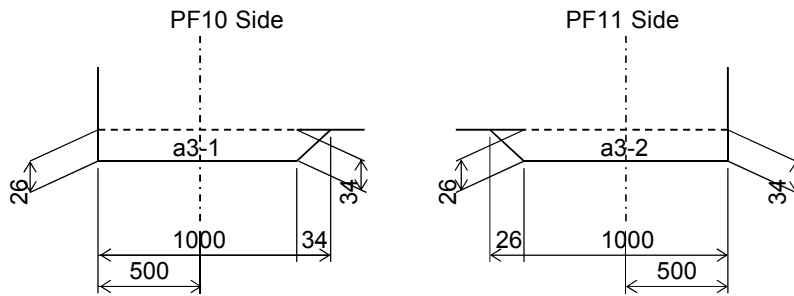
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.100 + 0.305 + 0.305 \\ &+ 1.744 + 1.744 = 4.498 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.026 + 0.034) \times 1.000 + 1 / 2 \\
 &\quad \times 0.034 \times 0.034 = 0.0306 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.034 + 0.026) \times 1.000 + 1 / 2 \\
 &\quad \times 0.026 \times 0.026 = 0.0303 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0306 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0303 \times 0.700 = 0.021 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0306 + 0.026 \times 0.700 \times 1.000000 = 0.079 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0303 + 0.034 \times 0.700 \times 1.000000 = 0.084 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned} V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8660 \times 21.006 &= 18.191 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5128 \times 2.314 &= 3.501 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8660 + 1.5128) \times 6.480 &= 7.707 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V1 = 29.441 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 29.441 \times 2.50 \text{ t/m}^3 = 73.60 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned} V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8780 \times 21.006 &= 18.443 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.5248 \times 2.314 &= 3.528 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8780 + 1.5248) \times 6.480 &= 7.785 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.021 &= 0.042 \text{ m}^3 \end{aligned}$$

$$V2 = 29.798 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 29.798 \times 2.50 \text{ t/m}^3 = 74.50 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin \theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin \theta_2 = 1.000000$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 148.606 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 5.092 \times 21.006 &= 106.963 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.498 \times 2.314 &= 10.408 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (5.092 + 4.498) \times 6.480 &= 31.072 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.079 + 0.084 &= 0.163 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 148.606 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.5128 \times (1.000000 + 1.000000) &= 3.026 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.5248 \times (1.000000 + 1.000000) &= 3.050 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= 1 / 2 \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= 1 / 2 \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.860 \text{ m}^2
 \end{aligned}$$

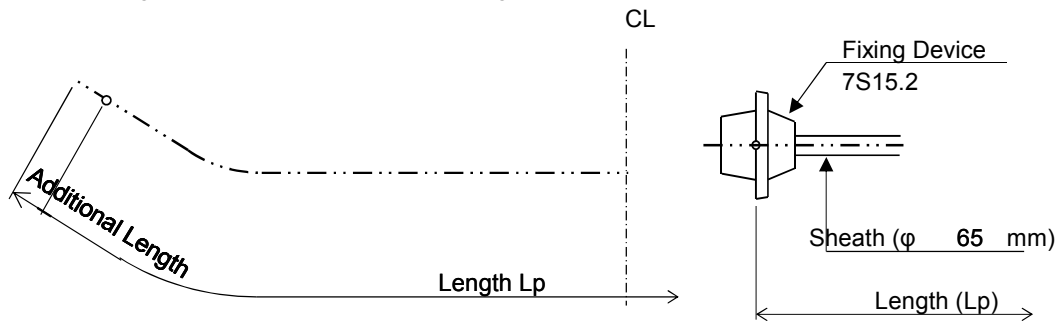
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l1' \times L0 \quad (=Standard \text{ Part}) \\
 &= 0.700 \times 21.006 &= 14.704 \text{ m}^2 \\
 A3-2 &= l2' \times L1 \quad (=Supporting \text{ and Connecting Part}) \\
 &= 0.700 \times 2.314 &= 1.620 \text{ m}^2 \\
 A3-3 &= 1 / 2 \times (l1' + l2') \times L2 \quad (=Widening \text{ Part}) \\
 &= 1 / 2 \times (0.700 + 0.700) \times 6.480 &= 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.860 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.545	1	29.545
C2	29.518	1	29.518
C3	29.491	1	29.491
C4	29.451	1	29.451
C5	29.405	1	29.405
Total	—	5	147.410

• Length (Except Additional Length)

$$\Sigma L1 = 147.410 \quad = \quad 147.410 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.410 \times 7.707 \text{ kg/m} = 1136.089 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.410 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.410 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg	3316 kg
D16	2000 kg	2048 kg	2048 kg	2000 kg	8096 kg
D13	1631 kg	1637 kg	1637 kg	1631 kg	6536 kg
Total	4460 kg	4514 kg	4514 kg	4460 kg	17948 kg

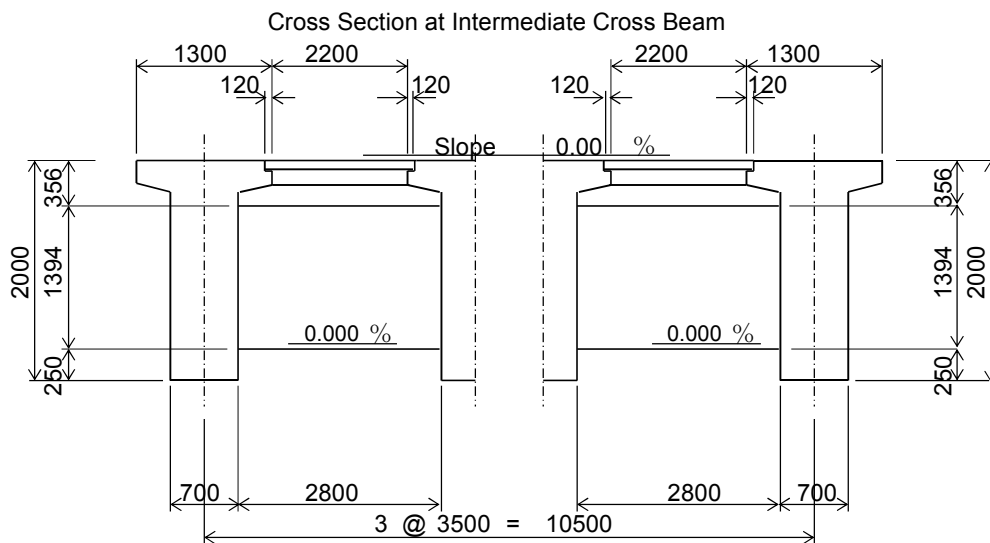
1) Dimension of Cross Beam

Cross Section at Supporting

The diagram illustrates the cross-section of a bridge at its supports, featuring two piers. Key dimensions and labels include:

- Top Deck Dimensions:**
 - Left pier deck width: 1300
 - Distance between piers: 2200
 - Right pier deck width: 1300
 - Deck thickness: 120
- Vertical Dimensions:**
 - Total height: 2000
 - Height from base to deck top: 1744
 - Height from base to pier top: 142
 - Height from base to deck bottom: 56
 - Height from base to pier bottom: 194
- Horizontal Dimensions:**
 - Pier width: 2000
 - Distance from pier center to deck edge: 700
 - Distance from pier center to deck edge: 2800
 - Distance from pier center to deck edge: 2800
 - Distance from pier center to deck edge: 700
- Labels and Notes:**
 - Slope 0.00 %**: Indicated on the right pier.
 - 3 @ 3500 = 10500**: A note at the bottom indicating a total length or area calculation.
 - ※1** and **※2**: Markers on the left and right sides of the piers, respectively.

※2 Dimensions of End Point



2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.142 \times 2.000 = 0.2840 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 2.000 - 1.5128 = 5.4872 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.194 \times 2.000 = 0.3880 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.394 = 3.9032 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = \frac{\text{Width of}}{a1+a2} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.7712 \times 0.950 \times 3 = 16.448 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = \frac{\text{Width of}}{a1'+a2'} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.8752 \times 0.900 \times 3 = 15.863 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = \frac{\text{Width of}}{a3} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}} \times \frac{\text{Number of Position}}{\text{(Bridge Axial Direction)}}$$

$$= 3.9032 \times 0.300 \times 3 \times 1 = 3.513 \text{ m}^3$$

$$V1 = 19.376 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 16.448 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin\theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin\theta_2 = 1.000000$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin\theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.4872 + 2.800 \times 0.950 + 0.142) \times 3 = 25.251 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (2 \times k_2 \times 5.4872 + 2.800 \times 0.900 + 0.194) \times 3 = 41.531 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.9032 + 2.800 \times 0.300) \times 3 \times 1 = 25.939 \text{ m}^2$$

$$A1 = 67.470 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 25.251 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

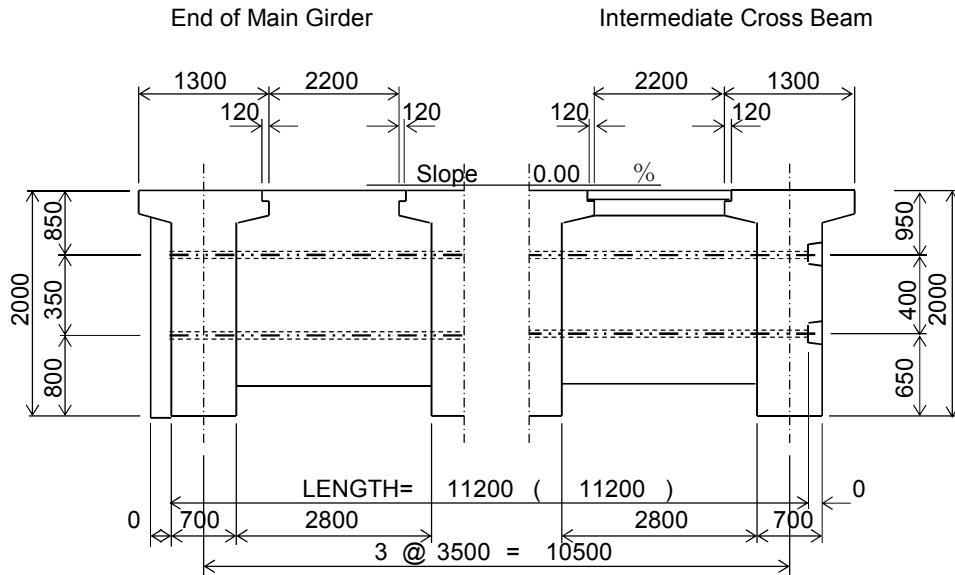
3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

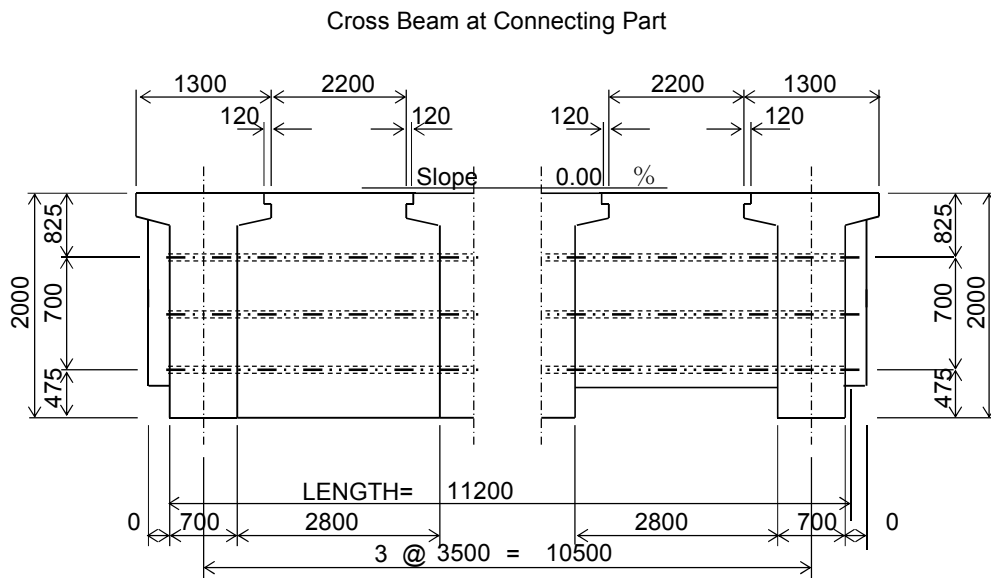
	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	537 kg	0 kg	537 kg
D16	304 kg	0 kg	304 kg
D13	98 kg	230 kg	328 kg
Total	939 kg	230 kg	1169 kg

4. PC Strand for Stressing

Strand 4S15.2 mm (SWPR7BL)
 Unit Weight $\gamma_p = 4.404$ kg/m
 Stressing Method Bilateral Stressing
 Number $N_p = 13$



But, () is Value of Intermediate Cross Beam



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.200	4	44.800
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	7	78.400
Total	—	13	145.600

• Length (Except Additional Length)

$$\Sigma L1 = 145.600 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 145.600 \times 4.404 \text{ kg/m} = 641.222 \text{ kg}$$

3) Sheath Length

(1) Sheath Between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{WIDTH} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 7) \\
 &\quad + ((\text{WIDTH} \times k2 + 2 \times 0.015) \times \text{No.}) \\
 &\quad + ((2.800 \times k2 + 2 \times 0.015) \times 4) \\
 &\quad + ((\text{WIDTH} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + ((2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 110.370 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 7 + k2 \times 4 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 9.100 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 145.600 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 13 = 26 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 13 = 26 \text{ set}$$

7) Stressing Work (4S15.2)

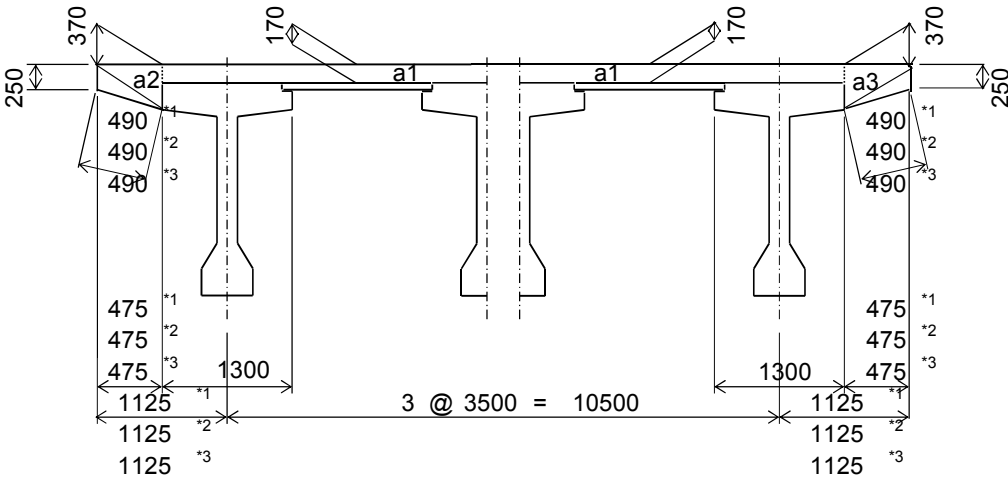
$$N_k = 2 \times n_p = 2 \times 13 = 26 \text{ No.}$$

8) Fixing Device (4S15.2)

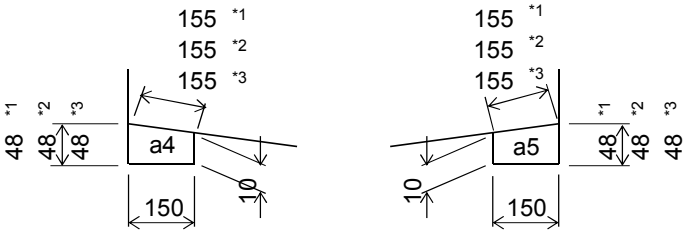
$$N_k = 2 \times n_p = 2 \times 13 = 26 \text{ No.}$$

2-3. Deck Slab

1) Dimension



• Drain Duct



BUT、 *1...Mean Value of Main Girder
 *2...Dimensions of Starting Point Side
 *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3094 \text{ m}^{2*1} \\
 & (= 2.3094 \text{ m}^{2*2}) \\
 & ((= 2.3094 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &+ 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &= 1.586 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^{*1} \times (\text{Left Connecting Part} + \text{Girder Length}) \\ &= 2.3094 \times (0.100 + 29.800) = 69.051 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= i1 \times (\text{Left Connecting Part} + \text{Girder Length}) \\ &= 1.586 \times (0.100 + 29.800) = 47.421 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (PF11 PART)

$$\begin{aligned} A1-2 &= \Sigma a^{*2} \times 1 / \sin \theta 2 \quad \theta 2 = \text{Angle of End Point Side} \\ &= 2.3094 \times 1.0000000 = 2.309 \text{ m}^2 \end{aligned}$$

$$A1 = 49.730 \text{ m}^2$$

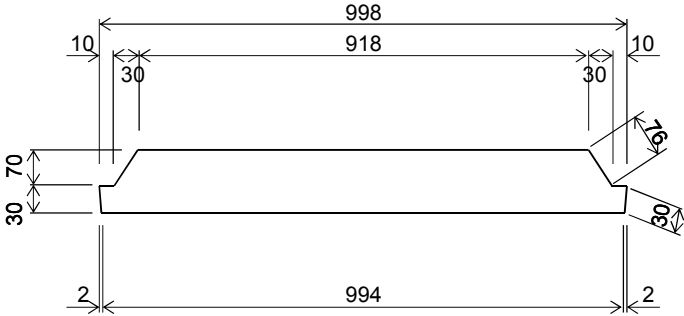
3. Reinforcement Bar

Note...Shall Include Quantity between PF7~PF8

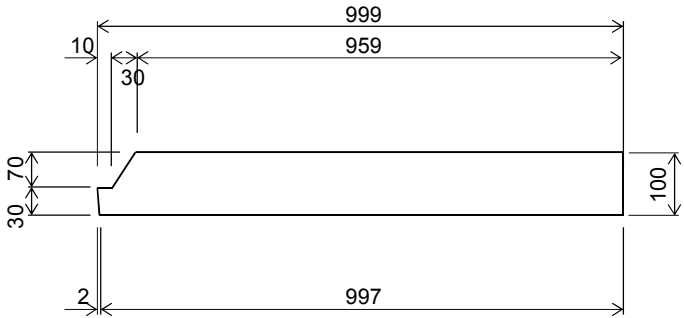
5-4. PC Plate

1) Dimension

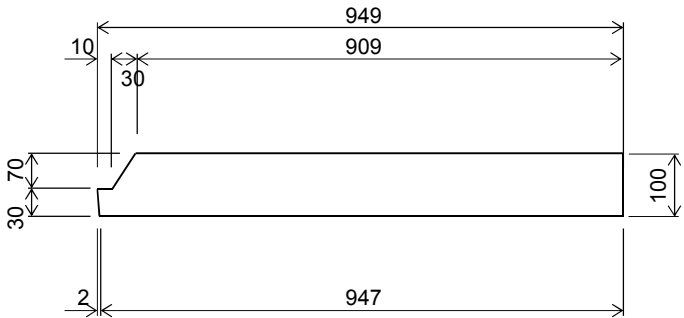
Type① (t = 100 mm)



Type③ (t = 100 mm)



Type⑤ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type③

$$\begin{aligned}
 a2-1 &= 0.999 \times 0.100 &= 0.0999 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a2 &= 0.0981 \text{ m}^2
 \end{aligned}$$

Type⑤

$$\begin{aligned}
 a3-1 &= 0.949 \times 0.100 &= 0.0949 \text{ m}^2 \\
 a3-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a3-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0931 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	78	Standard 998 × 2380 × 100
③	3	Adjustment 999 × 2380 × 100
⑤	3	Adjustment 949 × 2380 × 100
Total	84	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0981 \times 2.380 &= 0.233 \text{ m}^3 \\
 V3 &= 0.0931 \times 2.380 &= 0.222 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 78 + 0.233 \times 3 + 0.222 \times 3 &= 19.227 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.227 \times 2.50 \text{ t/m}^3 = 48.07 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.997) \times 2.380 + 0.0981 \times 2 = 3.059 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.947) \times 2.380 + 0.0931 \times 2 = 2.930 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 3.059 \times 3 + 2.930 \times 3 = 256.881 \text{ m}^2$$

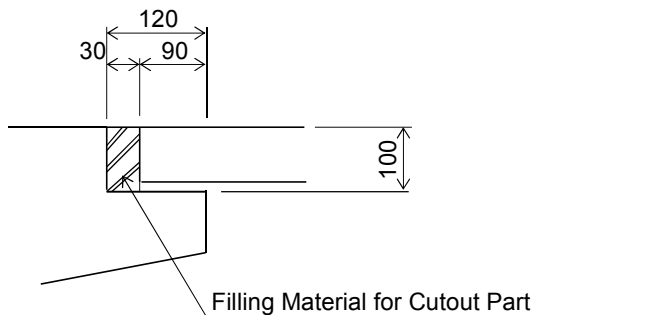
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 81 + 0.950 \times 3) = 199.563 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

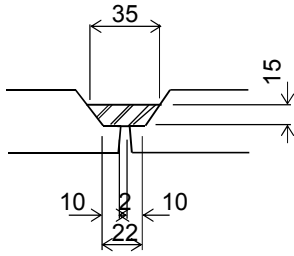
$$L_j = (1.000 \times 81 + 0.950 \times 3) \times 2 = 167.700 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 81 + 0.950 \times 3) \times 2 = 0.503 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(For Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

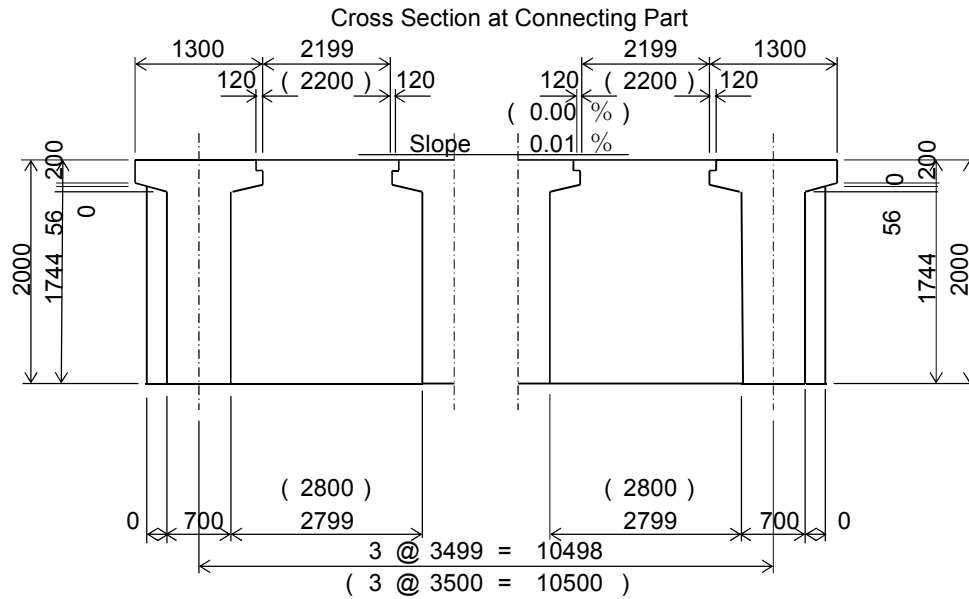
$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

9. Reinforcement Bar

Specifiaction:	SD345
Reinforcement Bar	
D10	1487 kg
Total	1487 kg

§6 Connecting Part

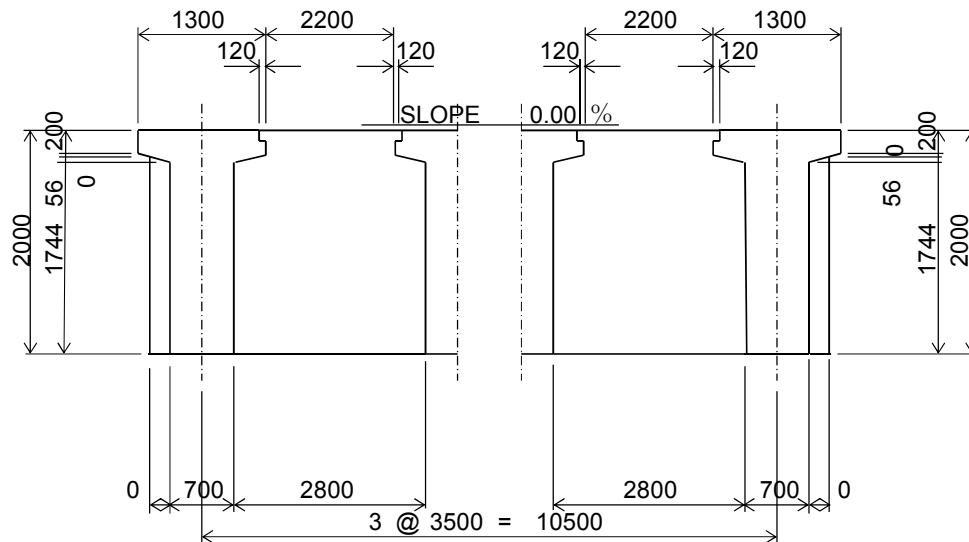
1) Dimension PF8 Cross Section



But, () is Dimensions of Starting Point Side

PF8	Angle of Starting Point $\theta_1 = 91.053889$	$k_1 = 1 / \sin\theta_1 = 1.000169$
	Angle of End Point $\theta_2 = 90.000000$	$k_2 = 1 / \sin\theta_2 = 1.000000$

PF9 · PF10 Cross Section



PF9	Angle of Starting Point $\theta_3 = 90.000000$	$k_3 = 1 / \sin\theta_3 = 1.000000$
	Angle of End Point $\theta_4 = 90.000000$	$k_4 = 1 / \sin\theta_4 = 1.000000$
PF10	Angle of Starting Point $\theta_5 = 90.000000$	$k_5 = 1 / \sin\theta_5 = 1.000000$
	Angle of End Point $\theta_6 = 90.000000$	$k_6 = 1 / \sin\theta_6 = 1.000000$

2) Calculation of Cross Section Area and Perimeter of The Form

• Sum of Cross Section Area of Main Girder and Cross Beam

$$\begin{aligned}
 & \text{PF7} \sim \text{PF8 SIDE (PF8)} \\
 a1 &= (3 \times 3.499 \times 2.000 + 1.5368) \times k1 = 22.5366 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)} \\
 & \text{PF8} \sim \text{PF9 SIDE (PF8)} \\
 a2 &= (3 \times 3.500 \times 2.000 + 1.5368) \times k2 = 22.5368 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)} \\
 & \text{PF8} \sim \text{PF9 SIDE (PF9)} \\
 a3 &= (3 \times 3.500 \times 2.000 + 1.5368) \times k3 = 22.5368 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)} \\
 & \text{PF9} \sim \text{PF10 SIDE (PF9)} \\
 a4 &= (3 \times 3.500 \times 2.000 + 1.5368) \times k4 = 22.5368 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)} \\
 & \text{PF9} \sim \text{PF10 SIDE (PF10)} \\
 a5 &= (3 \times 3.500 \times 2.000 + 1.5368) \times k5 = 22.5368 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)} \\
 & \text{PF10} \sim \text{PF11 SIDE (PF10)} \\
 a6 &= (3 \times 3.500 \times 2.000 + 1.5368) \times k6 = 22.5368 \text{ m}^2 \\
 & \text{(Notchless Cross Section Area of Main Girder)}
 \end{aligned}$$

• Sum of Bottom Form Length of Main Girder and Cross Beam

$$\begin{aligned}
 & \text{PF7} \sim \text{PF8 SIDE (PF8)} \\
 i1 &= 4 \times 0.700 + 3 \times 2.799 = 11.197 \text{ m} \\
 & \text{PF8} \sim \text{PF9 SIDE (PF8)} \\
 i2 &= 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m} \\
 & \text{PF8} \sim \text{PF9 SIDE (PF9)} \\
 i1 &= 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m} \\
 & \text{PF9} \sim \text{PF10 SIDE (PF9)} \\
 i2 &= 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m} \\
 & \text{PF9} \sim \text{PF10 SIDE (PF10)} \\
 i1 &= 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m} \\
 & \text{PF10} \sim \text{PF11 SIDE (PF10)} \\
 i2 &= 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}
 \end{aligned}$$

3) Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1-1 &= 22.5366 \times 0.100 + 22.5368 \times 0.100 \quad (\text{PF8}) &= 4.507 \text{ m}^3 \\
 V1-2 &= 22.5368 \times 0.100 + 22.5368 \times 0.100 \quad (\text{PF9}) &= 4.507 \text{ m}^3 \\
 V1-3 &= 22.5368 \times 0.100 + 22.5368 \times 0.100 \quad (\text{PF10}) &= 4.507 \text{ m}^3 \\
 V1-4 &= \begin{array}{l} \text{Quantity of Starting} \\ \text{Point} \end{array} + \begin{array}{l} \text{Quantity of 2nd ,3rd} \\ \text{Span} \end{array} + \begin{array}{l} \text{Quantity of End} \\ \text{Point} \end{array} \quad \begin{array}{l} \text{(Reference to Quantity} \\ \text{of Each Span)} \end{array} \\
 &= 16.482 + 32.942 + 32.947 + 16.448 &= 98.819 \text{ m}^3
 \end{aligned}$$

$$V1 = 112.340 \text{ m}^3$$

4) Calculation of Form Area

$$\begin{aligned}
 A1-1 &= 11.197 \times 0.100 + 11.200 \times 0.100 \quad (\text{PF8}) &= 2.240 \text{ m}^2 \\
 A1-2 &= 11.200 \times 0.100 + 11.200 \times 0.100 \quad (\text{PF9}) &= 2.240 \text{ m}^2 \\
 A1-1 &= 11.200 \times 0.100 + 11.200 \times 0.100 \quad (\text{PF10}) &= 2.240 \text{ m}^2 \\
 A1-2 &= \begin{array}{l} \text{Quantity of Starting} \\ \text{Point} \end{array} + \begin{array}{l} \text{Quantity of 2nd ,3rd} \\ \text{Span} \end{array} + \begin{array}{l} \text{Quantity of End} \\ \text{Point} \end{array} \quad \begin{array}{l} \text{(Reference to Quantity} \\ \text{of Each Span)} \end{array} \\
 &= 25.286 + 50.548 + 50.553 + 25.251 &= 151.638 \text{ m}^2
 \end{aligned}$$

$$A1 = 158.358 \text{ m}^2$$

5) Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

D22	5397 kg
D19	0 kg
D16	14199 kg
D13	600 kg
Total	20196 kg

§7 Scaffolding

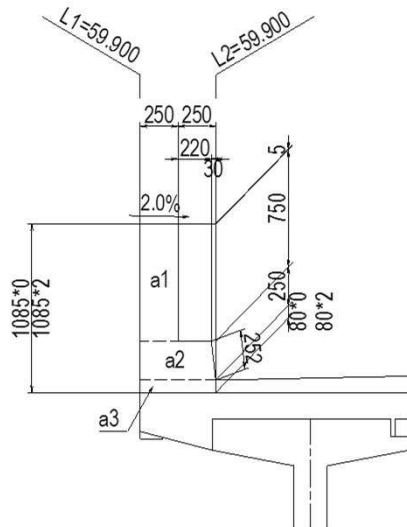
1. Scaffolding Under Main Girder

$$A = 12.750 \times 60.000 = 765.000 \text{ m}^3$$

2. Side Scaffolding

$$L = 30.000 \times 4 = 120.000 \text{ m}$$

2. Left Side Barrier (PF9-PF11)



• Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1881 \text{ m}^2 \\
 a2 &= 0.1213 \text{ m}^2 \\
 a3 &= 0.0400 \text{ m}^2 \\
 \{a3\} &= 0.0400 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.3494 \text{ m}^2 \\
 \{\Sigma a\} &= 0.3494 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 2.167 \text{ m}$$

Calculation of Average Length of

• Karb

$$LI = 1/2 \times (L1 + L2)$$

$$= 59.900 \text{ m}$$

But, *0...Mean Value of Bridge Section

*2...Dimensions of Karb at End Point Side

$$\text{Angle of End Point } \theta_2 = 90.000000$$

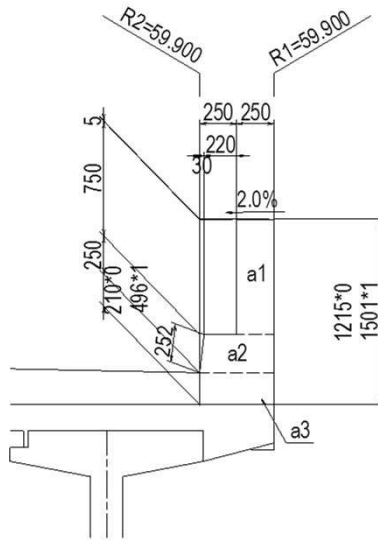
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$V_{j1-2} = \Sigma a \times LI = 0.3494 \times 59.900 = 20.929 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 A_{j1-2} &= i1 \times LI + \{\Sigma a\} \times (1 / \sin \theta_2) \\
 &= 2.167 \times 59.900 + 0.3494 \times 1.000000 = 130.153 \text{ m}^2
 \end{aligned}$$

3. Right Side Barrier (PF7-PF9)



• Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1881 \text{ m}^2 \\
 a2 &= 0.1213 \text{ m}^2 \\
 a3 &= 0.1050 \text{ m}^2 \\
 (a3) &= 0.2480 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.4144 \text{ m}^2 \\
 (\Sigma a) &= 0.5574 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 2.427 \text{ m}$$

Calculation of Average Length of

• Karb

$$\begin{aligned}
 Lr &= 1 / 2 \times (R1 + R2) \\
 &= 59.900 \text{ m}
 \end{aligned}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

$$\text{Angle of Start Point } \theta_1 = 91.053889$$

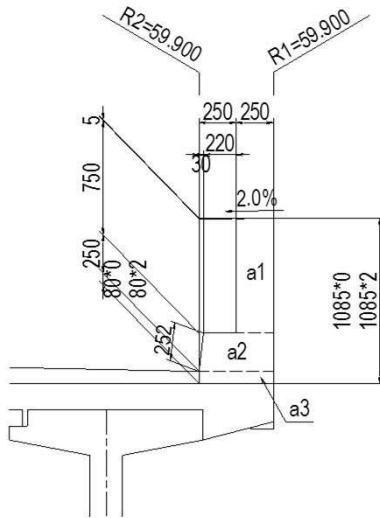
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj2-1 = \Sigma a \times Lr = 0.4144 \times 59.900 = 24.823 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 Aj2-1 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta_1) \\
 &= 2.427 \times 59.900 + 0.5574 \times 1.000169 = 145.935 \text{ m}^2
 \end{aligned}$$

4. Right Side Barrier (PF9-PF11)



• Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1881 \text{ m}^2 \\
 a2 &= 0.1213 \text{ m}^2 \\
 a3 &= 0.0400 \text{ m}^2 \\
 \{a3\} &= 0.0400 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.3494 \text{ m}^2 \\
 \{\Sigma a\} &= 0.3494 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 2.167 \text{ m}$$

Calculation of Average Length of

• Karb

$$\begin{aligned}
 Lr &= 1 / 2 \times (R1 + R2) \\
 &= 59.900 \text{ m}
 \end{aligned}$$

But, *0...Mean Value of Bridge Section

*2...Dimensions of Karb at End Point Side

$$\text{Angle of End Point } \theta_2 = 90.000000$$

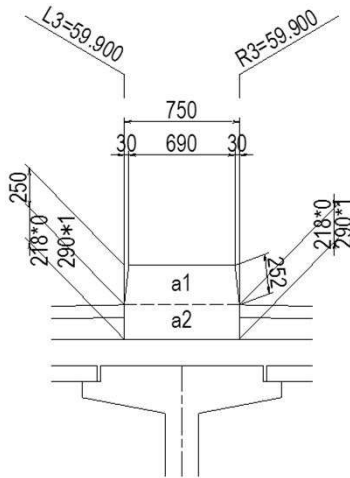
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$V_{j2-2} = \Sigma a \times Lr = 0.3494 \times 59.900 = 20.929 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 A_{j2-2} &= i2 \times Lr + \{\Sigma a\} \times (1 / \sin \theta_2) \\
 &= 2.167 \times 59.900 + 0.3494 \times 1.000000 = 130.153 \text{ m}^2
 \end{aligned}$$

5. Median (PF7-PF9)



• Calculation of Cross Section Area

$$a1 = 0.1800 \text{ m}^2$$

$$a2 = 0.1635 \text{ m}^2$$

$$(a2) = 0.2175 \text{ m}^2$$

$$\Sigma a = 0.3435 \text{ m}^2$$

$$(\Sigma a) = 0.3975 \text{ m}^2$$

• Calculation of Perimeter of Form

$$i1 = 0.940 \text{ m}$$

Calculation of Average Length of

• Median

$$Lr = 1 / 2 \times (L3 + R3)$$

$$= 59.900 \text{ m}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

$$\text{Angle of Start Point } \theta 1 = 91.053889$$

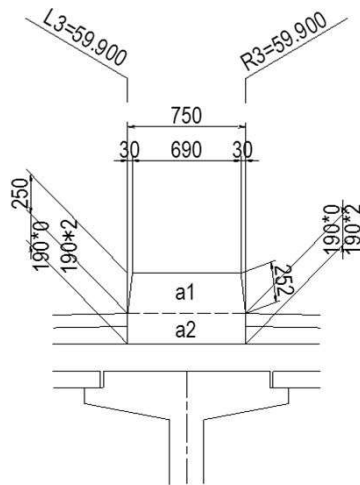
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj3-1 = \Sigma a \times Lr = 0.3435 \times 59.900 = 20.576 \text{ m}^3$$

2) Form Area

$$\begin{aligned} Aj3-1 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta 1) \\ &= 0.940 \times 59.900 + 0.3975 \times 1.000169 = 56.704 \text{ m}^2 \end{aligned}$$

6. Median (PF9-PF11)



• Calculation of Cross Section Area

$$\begin{aligned} a1 &= 0.1800 \text{ m}^2 \\ a2 &= 0.1425 \text{ m}^2 \\ \{a2\} &= 0.1425 \text{ m}^2 \\ \hline \Sigma a &= 0.3225 \text{ m}^2 \\ \{\Sigma a\} &= 0.3225 \text{ m}^2 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 0.884 \text{ m}$$

Calculation of Average Length of

• Median

$$Lr = 1/2 \times (L3 + R3)$$

$$= 59.900 \text{ m}$$

But, *0...Mean Value of Bridge Section

*2...Dimensions of Karb at End Point Side

$$\text{Angle of End Point } \theta_2 = 90.000000$$

$$1) \text{ Concrete Volume } (\sigma_{ck} = 24 \text{ N/mm}^2)$$

$$V_{j3-2} = \Sigma a \times Lr = 0.3225 \times 59.900 = 19.318 \text{ m}^3$$

2) Form Area

$$\begin{aligned} A_{j3-2} &= i2 \times Lr + \{\Sigma a\} \times (1 / \sin \theta_2) \\ &= 0.884 \times 59.900 + 0.3225 \times 1.000000 = 53.274 \text{ m}^2 \end{aligned}$$

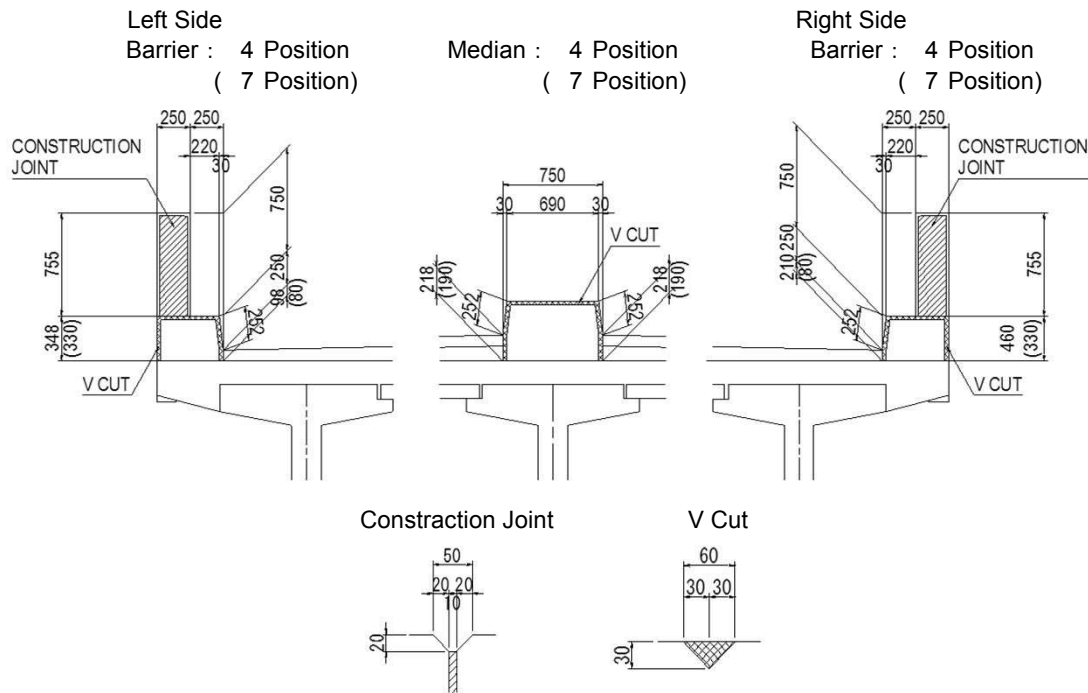
7. Total Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$\begin{aligned} \Sigma V_j &= V_{j1-1} + V_{j1-2} + V_{j2-1} + V_{j2-2} \\ &= 21.468 + 20.929 + 24.823 + 20.929 \\ &+ V_{j3-1} + V_{j3-2} \\ &+ 20.576 + 19.318 = 128.043 \text{ m}^3 \end{aligned}$$

8. Total Concrete Volume

$$\begin{aligned} \Sigma A_j &= A_{j1-1} + A_{j1-2} + A_{j2-1} + A_{j2-2} \\ &= 132.309 + 130.153 + 145.935 + 130.153 \\ &+ A_{j3-1} + A_{j3-2} \\ &+ 56.704 + 53.274 = 648.528 \text{ m}^2 \end{aligned}$$

9. Joint



Note 1...Thickness of Pavement is Mean Thickness
2...() is Dimensions of Pavement Thickness Constant Section

1) Construction Joint ($t = 10 \text{ mm}$)

$$LA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 11 = 1.692 \text{ m}^2$$

$$RA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 11 = 1.692 \text{ m}^2$$

$$\Sigma A = 1.692 + 1.692 = 3.384 \text{ m}^2$$

2) V Cut

$$A = \frac{1}{2} \times 0.030 \times 0.060 = 0.0009 \text{ m}^2$$

$$L1-1 = (0.348 + 0.410 + 0.252 + 0.098) \times 4 = 4.432 \text{ m}$$

$$L1-2 = (0.330 + 0.410 + 0.252 + 0.080) \times 7 = 7.504 \text{ m}$$

$$L2-1 = (0.218 + 0.252 \times 2 + 0.630 + 0.218) \times 4 = 6.280 \text{ m}$$

$$L2-2 = (0.190 + 0.252 \times 2 + 0.630 + 0.190) \times 7 = 10.598 \text{ m}$$

$$L3-1 = (0.460 + 0.410 + 0.252 + 0.210) \times 4 = 5.328 \text{ m}$$

$$L3-3 = (0.330 + 0.410 + 0.252 + 0.080) \times 7 = 7.504 \text{ m}$$

$$\Sigma L = 4.432 + 7.504 + 6.280 + 10.598 + 5.328 + 7.504 = 41.646 \text{ m}$$

$$V = 0.0009 \times 41.646 \times 1000 = 37.481 \text{ } \ell$$

10. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	Barrier	Median	Total
D22	0 kg	0 kg	0 kg
D19	0 kg	0 kg	0 kg
D16	9193 kg	0 kg	9193 kg
D13	6817 kg	2067 kg	8884 kg
Total	16010 kg	2067 kg	18077 kg

8-2. Pavement

1. Asphalt Pavement

• Carriageway (t = 80 mm)

$$As1 = 658.900 + 658.899 \quad (\text{CAD Measurement}) = 1317.799 \text{ m}^2$$

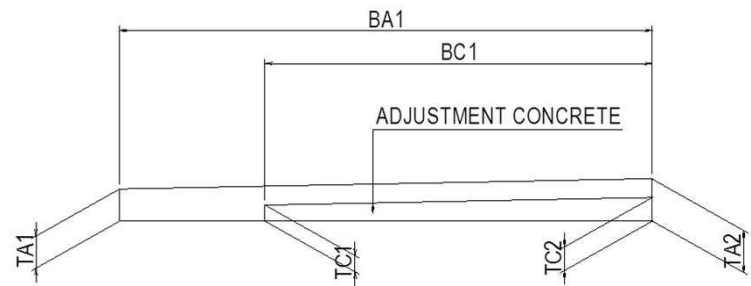
2. Adjustment Concrete ($\sigma_{ck} = 18 \text{ N/mm}^2$)

• Carriageway

$$As1 = 16.609 + 8.372 + 8.372 + 8.372 + 34.212 + 9.335 + 8.372 + 8.372 = 102.016 \text{ m}^2$$

Reference Calculation of Concrete Volume

Adjustment Concrete on Left Side
PF7-PF8 Span

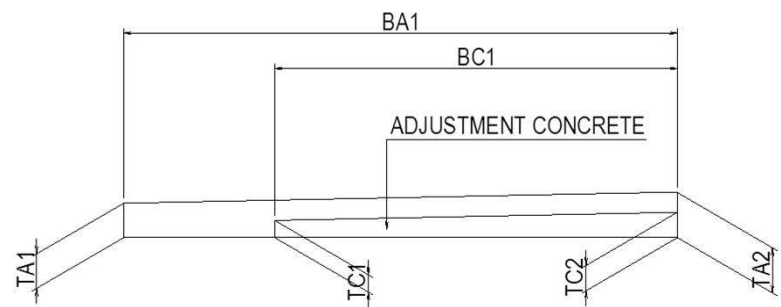


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF8
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	84	108	130	149	141	126	112	97	83	81	80
	TA2	mm	290	289	284	275	264	250	236	221	207	192	190	190
Difference in Height	LEFT SIDE	mm	210	205	176	145	115	109	110	109	110	109	109	110
Slope	LEFT SIDE	%	0.0382	0.0373	0.0320	0.0264	0.0209	0.0198	0.0200	0.0198	0.0200	0.0198	0.0198	0.0200
Placement Range	BC1	mm	4715	4803	5438	5500	5500	5500	5500	5500	4850	4137	4036	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	50	69	61	46	32	30	30	30	30
	TC2	mm	210	209	204	195	184	170	156	141	127	112	110	110
Area	AC1	m ²	0.5657	0.5739	0.6362	0.6738	0.6958	0.6353	0.5555	0.4758	0.3807	0.2937	0.2825	0.2800
	ΣAC	m ²	0.5657	0.5739	0.6362	0.6738	0.6958	0.6353	0.5555	0.4758	0.3807	0.2937	0.2825	0.2800
Distance Between Section		m		0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.2849	2.1782	2.3579	2.4651	2.3958	2.1434	1.8563	1.5417	1.2140	0.1441	0.0281

Σ V = 16.609 m³

PF8-PF9 Span

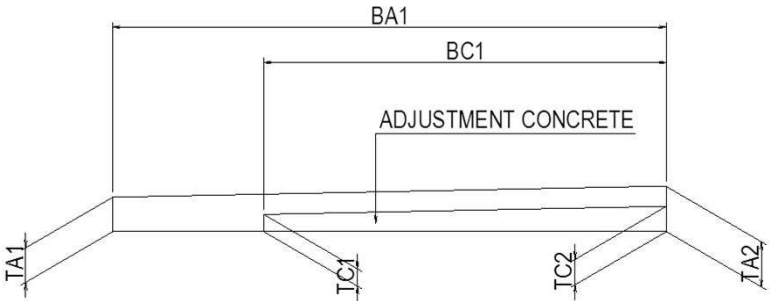


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF8	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4	PF9
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	LEFT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Slope	LEFT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400	0.0280

Σ V = 8.372 m³

PF9-PF10 Span

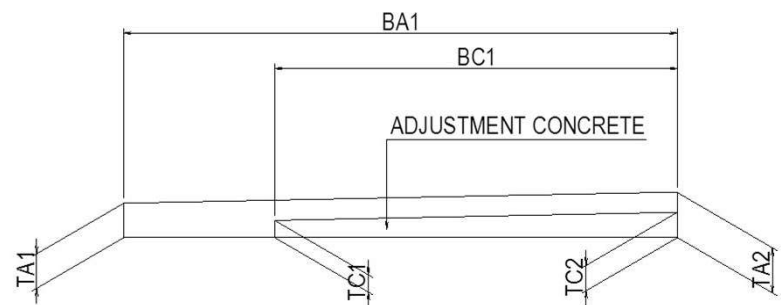


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF9	GE5	S5	C31	C32	C33	C34	C35	C36	C37	S6	GE6	PF10
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	LEFT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Slope	LEFT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400	0.0280

Σ V = 8.372 m³

PF10-PF11 Span

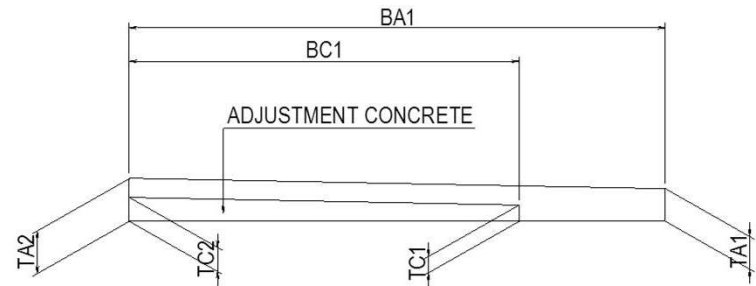


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF10	GE7	S7	C41	C42	C43	C44	C45	C46	C47	S8	GE8
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	LEFT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	LEFT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400

Σ V = 8.372 m³

Adjustment Concrete on Right Side
PF7-PF8 Span

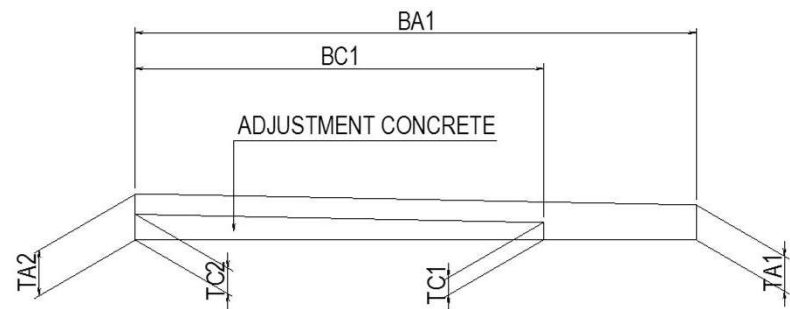


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF8
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	496	491	456	417	377	333	289	245	201	157	151	150
	TA2	mm	290	289	283	275	264	250	236	221	207	192	190	190
Difference in Height	RIGHT SIDE	mm	206	202	173	142	113	83	53	24	6	35	39	40
Slope	RIGHT SIDE	%	0.0375	0.0367	0.0315	0.0258	0.0206	0.0151	0.0096	0.0044	0.0011	0.0064	0.0071	0.0073
Placement Range	BC1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Leveling Concrete	TC1	mm	416	411	376	337	297	253	209	165	121	77	71	70
	TC2	mm	210	209	203	195	184	170	156	141	127	112	110	110
Area	AC1	m ²	1.7215	1.7050	1.5923	1.4630	1.3228	1.1633	1.0038	0.8415	0.6820	0.5198	0.4978	0.4950
	ΣAC	m ²	1.7215	1.7050	1.5923	1.4630	1.3228	1.1633	1.0038	0.8415	0.6820	0.5198	0.4978	0.4950
Distance Between Section		m		0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.8566	5.9351	5.4995	5.0144	4.4748	3.9006	3.3215	2.7423	2.1632	0.2544	0.0496

Σ V = 34.212 m³

PF8-PF9 Span

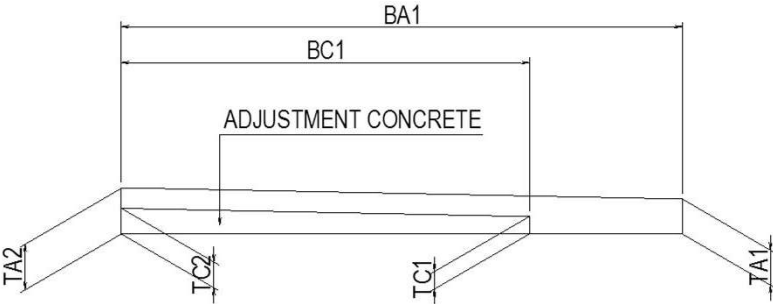


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF8	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4	PF9
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	150	149	145	115	85	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	RIGHT SIDE	mm	40	41	45	75	105	110	110	110	110	110	110	110	110
Slope	RIGHT SIDE	%	0.0073	0.0075	0.0082	0.0136	0.0191	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	5500	5500	5500	5500	4191	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	70	69	65	35	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.4950	0.4923	0.4813	0.3988	0.2933	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.4950	0.4923	0.4813	0.3988	0.2933	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0494	0.2434	1.5840	1.2458	1.0320	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400	0.0280

Σ V = 9.335 m³

PF9-PF10 Span

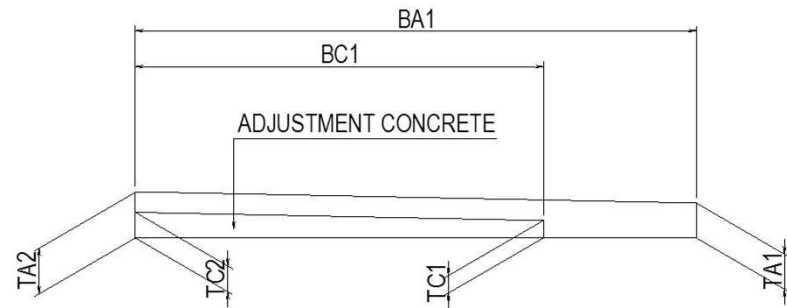


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF9	GE5	S5	C31	C32	C33	C34	C35	C36	C37	S6	GE6	PF10
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	RIGHT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Slope	RIGHT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500	0.100
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400	0.0280

Σ V = 8.372 m³

PF10-PF11 Span

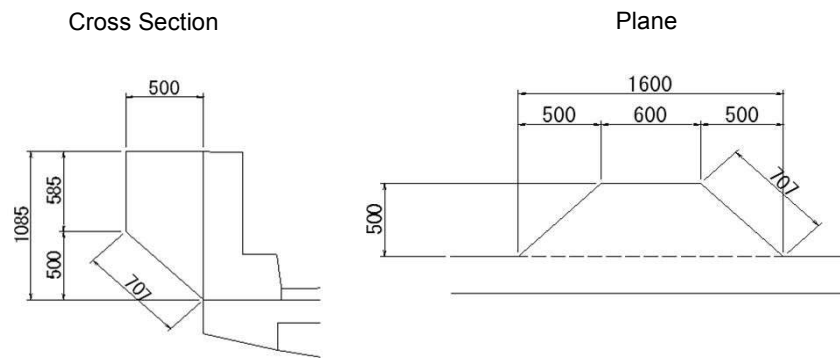


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF10	GE7	S7	C41	C42	C43	C44	C45	C46	C47	S8	GE8
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	RIGHT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	RIGHT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400

Σ V = 8.372 m³

§9 Foundation of Lighting Post



1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$) (n = 3 nos)

Plane Area

$$a1 = 1/2 \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete Volume

$$V1 = 0.550 \times 0.585 = 0.322 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times 1/2 = 0.138 \text{ m}^3$$

$$V = 0.460 \text{ m}^3$$

$$\Sigma V = 0.460 \times 3 = 1.380 \text{ m}^3$$

2) Form Area (n = 3 nos)

Perimeter

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form Area

$$A1 = 2.014 \times (0.585 + 0.707) = 2.602 \text{ m}^2$$

$$\Sigma A = 2.602 \times 3 = 7.806 \text{ m}^2$$

3) Reinforcement Bar (n = 3 nos)

Specifiaction : SD345

D13 40 kg

$$\Sigma W = 40 \times 3 = 120 \text{ kg}$$

§10 Bearing

1. Rubber Bearing ($G_e = 1.0 \text{ N/mm}^2$)

PF7(M)	520 mm	×	520 mm	×	142 mm	$n = 4$	Piece
PF8L(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF8R(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF9L(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF9R(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF10L(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF10R(F)	520 mm	×	470 mm	×	92 mm	$n = 4$	Piece
PF11(M)	520 mm	×	520 mm	×	142 mm	$n = 4$	Piece

2. Anti-Corrosion Anchor Systme (S35CN)

PF7(M)	M 65 D	L = 1320 mm	$n = 6$	Set
$W = 26.00 \text{ kg/m} \times 1.320 \text{ m} \times 6 \text{ SET} = 205.92 \text{ kg}$				
PF8L(F)	F 90 D	L = 1820 mm	$n = 3$	Set
$W = 49.90 \text{ kg/m} \times 1.820 \text{ m} \times 3 \text{ SET} = 272.45 \text{ kg}$				
PF8R(F)	F 90 D	L = 1820 mm	$n = 3$	Set
$W = 49.90 \text{ kg/m} \times 1.820 \text{ m} \times 3 \text{ SET} = 272.45 \text{ kg}$				
PF9L(F)	F 75 D	L = 1520 mm	$n = 3$	Set
$W = 34.70 \text{ kg/m} \times 1.520 \text{ m} \times 3 \text{ SET} = 158.23 \text{ kg}$				
PF9R(F)	F 75 D	L = 1520 mm	$n = 3$	Set
$W = 34.70 \text{ kg/m} \times 1.520 \text{ m} \times 3 \text{ SET} = 158.23 \text{ kg}$				
PF10L(F)	F 95 D	L = 1920 mm	$n = 3$	Set
$W = 55.60 \text{ kg/m} \times 1.920 \text{ m} \times 3 \text{ SET} = 320.26 \text{ kg}$				
PF10R(F)	F 95 D	L = 1920 mm	$n = 3$	Set
$W = 55.60 \text{ kg/m} \times 1.920 \text{ m} \times 3 \text{ SET} = 320.26 \text{ kg}$				
PF11(M)	M 60 D	L = 1220 mm	$n = 6$	Set
$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ SET} = 162.50 \text{ kg}$				

3. Anti-Corrosion Material (CR Sponge)

PF7(M)	200 mm × 300 mm × 20 mm	n = 6 Piece
PF8L(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF8R(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF9L(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF9R(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF10L(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF10R(F)	200 mm × 200 mm × 20 mm	n = 3 Piece
PF11(M)	200 mm × 300 mm × 20 mm	n = 6 Piece

4. Reinforcement Bar (SD345)

PF7(M)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 12 + 0.600 \times 12) \times 4 = 32.26 \text{ kg}$	
PF8L(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF8R(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF9L(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF9R(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF10L(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF10R(F)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$	
PF11(M)	D 10 × 50 mm × 50 mm	n = 4 Position
	$W = 0.560 \times (0.600 \times 12 + 0.600 \times 12) \times 4 = 32.26 \text{ kg}$	

5. Bed Mortar for Bearing (Non-Shrinkage Mortar)

$$\text{PF7(M)} \quad V = \{ (0.62 + 0.70) \times 1/2 \times (0.62 + 0.70) \times 1/2 \times 0.041 + 0.70 \times 0.70 \times 0.020 \} \\ \times 4 \text{ Position} = 0.111 \text{ m}^3$$

$$\text{PF8L(F)} \quad V = \{ (0.62 + 0.71) \times 1/2 \times (0.57 + 0.66) \times 1/2 \times 0.047 + 0.71 \times 0.66 \times 0.020 \} \\ \times 4 \text{ Position} = 0.114 \text{ m}^3$$

$$\text{PF8R(F)} \quad V = \{ (0.62 + 0.70) \times 1/2 \times (0.57 + 0.65) \times 1/2 \times 0.040 + 0.70 \times 0.65 \times 0.020 \} \\ \times 4 \text{ Position} = 0.101 \text{ m}^3$$

$$\text{PF9L(F)} \quad V = \{ (0.62 + 0.72) \times 1/2 \times (0.57 + 0.67) \times 1/2 \times 0.048 + 0.72 \times 0.67 \times 0.020 \} \\ \times 4 \text{ Position} = 0.118 \text{ m}^3$$

$$\text{PF9R(F)} \quad V = \{ (0.62 + 0.70) \times 1/2 \times (0.57 + 0.65) \times 1/2 \times 0.040 + 0.70 \times 0.65 \times 0.020 \} \\ \times 4 \text{ Position} = 0.101 \text{ m}^3$$

$$\text{PF10L(F)} \quad V = \{ (0.62 + 0.72) \times 1/2 \times (0.57 + 0.67) \times 1/2 \times 0.049 + 0.72 \times 0.67 \times 0.020 \} \\ \times 4 \text{ Position} = 0.120 \text{ m}^3$$

$$\text{PF10R(F)} \quad V = \{ (0.62 + 0.70) \times 1/2 \times (0.57 + 0.65) \times 1/2 \times 0.040 + 0.70 \times 0.65 \times 0.020 \} \\ \times 4 \text{ Position} = 0.101 \text{ m}^3$$

$$\text{PF11(M)} \quad V = \{ (0.62 + 0.70) \times 1/2 \times (0.62 + 0.70) \times 1/2 \times 0.042 + 0.70 \times 0.70 \times 0.020 \} \\ \times 4 \text{ Position} = 0.112 \text{ m}^3$$

6. Mortar for Anchor Halls (Non-Shrinkage Mortar)

$$\text{PF7(M)} \quad V = (1/4 \times \pi \times 0.200^2 \times 0.750 - 1/4 \times \pi \times 0.065^2 \\ \times 0.650) \times 6 \text{ Position} = 0.128 \text{ m}^3$$

$$\text{PF8L(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 1.000 - 1/4 \times \pi \times 0.090^2 \\ \times 0.900) \times 3 \text{ Position} = 0.130 \text{ m}^3$$

$$\text{PF8R(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 1.000 - 1/4 \times \pi \times 0.090^2 \\ \times 0.900) \times 3 \text{ Position} = 0.130 \text{ m}^3$$

$$\text{PF9L(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 0.850 - 1/4 \times \pi \times 0.075^2 \\ \times 0.750) \times 3 \text{ Position} = 0.115 \text{ m}^3$$

$$\text{PF9R(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 0.850 - 1/4 \times \pi \times 0.075^2 \\ \times 0.750) \times 3 \text{ Position} = 0.115 \text{ m}^3$$

$$\text{PF10L(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 1.050 - 1/4 \times \pi \times 0.095^2 \\ \times 0.950) \times 3 \text{ Position} = 0.134 \text{ m}^3$$

$$\text{PF10R(F)} \quad V = (1/4 \times \pi \times 0.250^2 \times 1.050 - 1/4 \times \pi \times 0.095^2 \\ \times 0.950) \times 3 \text{ Position} = 0.134 \text{ m}^3$$

$$\text{PF11(M)} \quad V = (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \\ \times 0.600) \times 6 \text{ Position} = 0.122 \text{ m}^3$$

01-4-PC-I GIRDER BRIDGE
(PF14-AF2)

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§1 Summary of Quantity
1-1. Summary of Total Quantity

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	4	Inner Girder
		No.	4	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m ³	225.5	
Form Area	For Side and Edge	m ²	1165.9	
	For Bottom	m ²	167.1	
PC Strand				
Length of PC Strand	7S15.2	m	1178.4	
Weight of PC Strand	7S15.2	kg	9080	
Length of Sheath	$\varnothing$ 65 mm	m	1178.4	
Length of Grout	$\varnothing$ 65 mm	m	1178.4	
Anchorage for PC Strand	7S15.2	set	80	
Reinforement Grid	7S15.2	set	80	
Stressing Work	7S15.2	No.	80	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	6640
		D16	kg	15520
		D13	kg	12552
		Total	kg	34712
Embedded Sheath for Cross Beam	$\varnothing$ 60 mm	m	67.2	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	36.7	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m ²	129.5	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	1042
		D16	kg	556
		D13	kg	616
		TOTAL	kg	2214
PC Strand				
Length of PC Strand	4S15.2	m	268.8	
Weight of PC Strand	4S15.2	kg	1184	
Length of Sheath	$\varnothing$ 45 mm	m	203.8	
Length of Grout	$\varnothing$ 45 mm	m	268.8	
Anchorage for PC Strand	4S15.2	set	48	
Reinforement Grid	4S15.2	set	48	
Stressing Work	4S15.2	No.	48	
Fixing Device	4S15.2	No.	48	
Deck Slab				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m ³	138.3	
Form Area	For Side, Edgeand Bottom	m ²	99.6	
Reinforcement Bar	SD345	D22	kg	13699
		D19	kg	34233
		D16	kg	5424
		D13	kg	1618
		Total	kg	54974

(Part2)

		Specifiacion		Unit	Quantity	Remarks
PC Plate						
Quantities for Each Size of PC Plate	1	998 × 2380 × 100		No.	156	Standard Plate
	2	999 × 2380 × 100		No.	9	Adjustment Plate
	3	949 × 2380 × 100		No.	3	Adjustment Plate
Concrete Volume		σck = 40 N/mm ²		m ³	38.5	
Form Area		For Side, Edge and Bottom		m ²	514.2	
PC Plate Area				m ²	399.5	
Joint Filler		Sponge Tape		m	335.7	15 mm × 10 mm
Filling Material for Cutout Part		Non-Shrinkage Mortar		m ³	1.007	
Joint Sealing Material		Non-Shrinkage Mortar		m ³	0.164	
Length of PC Strand		1S9.3		m	5997.6	
Weight of PC Strand		1S9.3		kg	2430	
Reinforcement Bar	SD345	D10	kg	2974		
		Total	kg	2974		
Connecting Part						
Concrete Volume		σck = 30 N/mm ²		m ³	35.8	Connecting Part
Form Area		For Side, Edge and Bottom		m ²	51.3	Connecting Part
Reinforcement Bar	SD345	D22	kg	1719		
		D19	kg	0		
		D16	kg	4281		
		D13	kg	197		
		Total	kg	6197		
Scaffolding						
Scaffolding Under Main Girder				m ²	765.0	
Side Scaffolding				m	60.0	
Bridge Surface						
Karb and Barrier						
Concrete Volume		σck = 24 N/mm ²		m ³	61.1	
Form Area		For Side, Edge and Bottom		m ²	314.3	
Contraction Joint		t= 10 mm		m ²	1.5	
V cut				ℓ	16.5	
Reinforcement Bar	SD345	D22	kg	0		
		D19	kg	0		
		D16	kg	4456		
		D13	kg	4198		
		Total	kg	8654		
Pavement						
Asphalt Pavement		t= 80 mm		m ²	658.4	Carriageway
Adjustment Concrete		σck = 18 N/mm ²		m ³	33.5	Carriageway
Lighting Post Foundation						
Concrete Volume		σck = 24 N/mm ²		m ³	0.5	
Form Area		For Side and Edge		m ²	2.6	
Reinforcement Bar		SD345	D13	kg	40	

(Part3)

	Specifiaction	Unit	Quantity	Remarks
Bearing				
Rubber Bearing	520×470×92	No.	4	PF.14
	520×470×92	No.	8	PF.15
	520×520×112	No.	4	AF.2
Anti-Corrosion Anchor system	φ60×1220	kg	163	PF.14
	φ90×1820	kg	545	PF.15
	φ60×1220	kg	163	AF.2
Anti-Corrosion Material (CR Sponge)	200×200×20	m ³	6	PF.14
	200×200×20	No.	6	PF.15
	200×300×20	No.	6	AF.2
Reinforcement Grid	SD345 D10	kg	28	PF.14
		kg	56	PF.15
		kg	32	AF.2
Bed Mortar for Bearing	Non-Shrinkage Mortar	m ³	0.1	PF.14
		m ³	0.2	PF.15
		m ³	0.1	AF.2
Mortar for Anchor Halls	Non-Shrinkage Mortar	m ³	0.1	PF.14
		m ³	0.3	PF.15
		m ³	0.1	AF.2

1-2. PF14 ~ PF15 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	112.9	
Form Area	For Side and Edge	m^2	583.6	
	For Bottom	m^2	83.6	
PC Strand				
Length of PC Strand	7S15.2	m	589.6	
Weight of PC Strand	7S15.2	kg	4544	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	589.6	
Length of Grout	$\phi \ 65 \text{ mm}$	m	589.6	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3324
		D16	kg	7760
		D13	kg	6278
		TOTAL	kg	17362
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	33.6	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.3	End and Intermediate Cross Beam
Form Area	for Side, Edge and Bottom	m^2	64.7	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	521
		D16	kg	278
		D13	kg	308
		TOTAL	kg	1107

(Part2)

	Specifiaction	Unit	Quantity	Remarks	
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2	m	134.4		
Weight of PC Strand	4S15.2	kg	592		
Length of Sheath	φ 45 mm	m	101.9		
Length of Grout	φ 45 mm	m	134.4		
Anchorage for PC Strand	4S15.2	set	24		
Reinforcement Grid	4S15.2	set	24		
Stressing Work	4S15.2	No.	24		
Fixing Device	4S15.2	No.	24		
Deck Slab					
Concrete Volume	σ _{ck} = 30 N/mm ²		m ³	69.2	
Form Area	For Side, Edge and Bottom		m ²	49.8	
Reinforcement Bar	SD345	D22	kg	13699	
		D19	kg	34233	
		D16	kg	5424	
		D13	kg	1618	
		TOTAL	kg	54974	
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	2	999 × 2380 × 100	No.	6	Adjustment Plate
Concrete Volume	σ _{ck} = 40 N/mm ²		m ³	19.3	
Form Area	For Side, Edge and Bottom		m ²	257.3	
PC Plate Area			m ²	199.9	
Joint Filler	Sponge Tape		m	168.0	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.504	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		TOTAL	kg	1487	

2. Summary of Quantity for Each Main Girder

• Inner Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.04	$W = 70.10 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	145.90	
	For Bottom	m^2	20.91	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• Outer Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.40	$W = 70.99 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	145.92	
	For Bottom	m^2	20.91	
PC Strand				
Length of PC Strand	7S15.2	m	147.4	
Weight of PC Strand	7S15.2	kg	1136	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.4	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.4	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	831 kg	831 kg	831 kg	831 kg
D16	1918 kg	1962 kg	1962 kg	1918 kg
D13	1567 kg	1572 kg	1572 kg	1567 kg
Total	4316 kg	4365 kg	4365 kg	4316 kg

1-3. PF15 ~ AF2 Summary of Quantity

1. Summary of Quantity for Each Span

(Part1)

	Specifiaction	Unit	Quantity	Remarks
Main Girder				
Number of Main Girder		No.	2	Inner Girder
		No.	2	Outer Girder
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	112.6	
Form Area	For Side and Edge	m^2	582.3	
	For Bottom	m^2	83.5	
PC Strand				
Length of PC Strand	7S15.2	m	588.8	
Weight of PC Strand	7S15.2	kg	4536	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	588.8	
Length of Grout	$\phi \ 65 \text{ mm}$	m	588.8	
Anchorage for PC Strand	7S15.2	set	40	
Reinforcement Grid	7S15.2	set	40	
Stressing Work	7S15.2	No.	40	
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	3316
		D16	kg	7760
		D13	kg	6274
		TOTAL	kg	17350
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	33.6	Embedded Sheath in Main Girder
Cross Beam				
Concrete Volume	$\sigma_{ck} = 30 \text{ N/mm}^2$	m^3	18.4	End and Intermediate Cross Beam
Form Area	For Side, Edge and Bottom	m^2	64.8	End and Intermediate Cross Beam
Reinforcement Bar	SD345	D22	kg	0
		D19	kg	521
		D16	kg	278
		D13	kg	308
		TOTAL	kg	1107

(Part2)

	Specifiaction		Unit	Quantity	Remarks
Cross Beam					
PC Strand					
Length of PC Strand	4S15.2		m	134.4	
Weight of PC Strand	4S15.2		kg	592	
Length of Sheath	φ 45 mm		m	101.9	
Length of Grout	φ 45 mm		m	134.4	
Anchorage for PC Strand	4S15.2		set	24	
Reinforcement Grid	4S15.2		set	24	
Stressing Work	4S15.2		No.	24	
Fixing Device	4S15.2		No.	24	
Deck Slab					
Concrete Volume	σck = 30 N/mm ²		m ³	69.1	
Form Area	For Side, Edge and Bottom		m ²	49.8	
Reinforcement Bar	SD345		kg	—	Shall Include The Quantity between PF14~PF15
PC Plate					
Quantities for Each Size of PC Plate	1	998 × 2380 × 100	No.	78	Standard Plate
	2	999 × 2380 × 100	No.	3	Adjustment Plate
	3	949 × 2380 × 100	No.	3	Adjustment Plate
Concrete Volume	σck = 40 N/mm ²		m ³	19.2	
Form Area			m ²	256.9	
PC Plate Area			m ²	199.6	
Joint Filler	Sponge Tape		m	167.7	15 mm × 10 mm
Filling Material for Cutout Part	Non-Shrinkage Mortar		m ³	0.503	
Joint Sealing Material	Non-Shrinkage Mortar		m ³	0.082	
Length of PC Strand	1S9.3		m	2998.8	
Weight of PC Strand	1S9.3		kg	1215	
Reinforcement Bar	SD345	D10	kg	1487	
		TOTAL	kg	1487	

2. SUMMARY OF QUANTITY FOR EACH MAIN GIRDER

• Inner Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	27.98	$W = 69.94 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	145.57	
	For Bottom	m^2	20.87	
PC Strand				
Length of PC Strand	7S15.2	m	147.2	
Weight of PC Strand	7S15.2	kg	1134	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.2	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.2	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

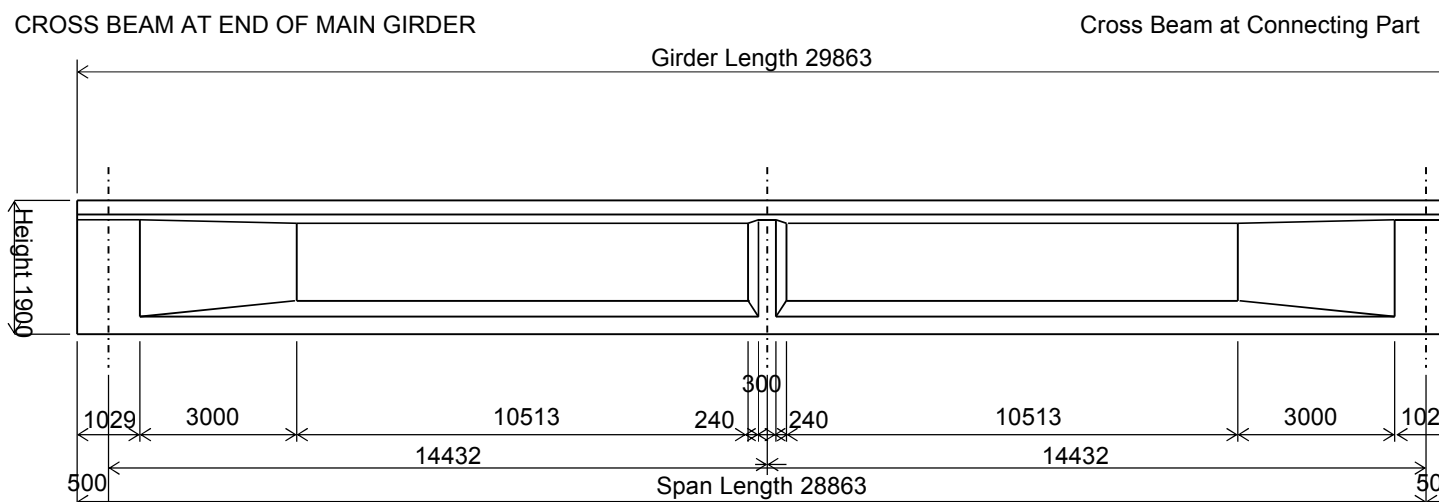
• Outer Girder

	Specifiacion	Unit	Quantity	Remarks
Concrete Volume	$\sigma_{ck} = 40 \text{ N/mm}^2$	m^3	28.33	$W = 70.83 \text{ t}$
Number of Main Girder		No.	2	
Form Area	For Side and Edge	m^2	145.60	
	For Bottom	m^2	20.87	
PC Strand				
Length of PC Strand	7S15.2	m	147.2	
Weight of PC Strand	7S15.2	kg	1134	
Length of Sheath	$\phi \ 65 \text{ mm}$	m	147.2	
Length of Grout	$\phi \ 65 \text{ mm}$	m	147.2	
Fixing Device	7S15.2	set	10	
Reinforcement Grid	7S15.2	set	10	
Stressing Work	7S15.2	No.	10	
Embedded Sheath for Cross Beam	$\phi \ 60 \text{ mm}$	m	8.40	Embedded Sheath in Main Girder

• Reinforcement Bar

	G1 Girder	G2 Girder	G3 Girder	G4 Girder
D22	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg
D16	1918 kg	1962 kg	1962 kg	1918 kg
D13	1566 kg	1571 kg	1571 kg	1566 kg
Total	4313 kg	4362 kg	4362 kg	4313 kg

(PF14 ~ PF15 Longitudinal Dimensions)



Note) The dimensions are measured from the center of girder height

• Length of Standard Part

$$L0 = 10.513 \times 1 + 10.513 \times 1 = 21.025 \text{ m}$$

• Length of Cross Beam Part

$$L1 = 1.029 + 1.029 + 0.300 \times 1 = 2.358 \text{ m}$$

• Length of Widening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.863 \text{ m}$$

• Angle

$$\text{Start Point } \theta 1 = 90.000000$$

$$\text{End Point } \theta 2 = 90.000000$$

$$\text{Cross Beam } \theta 3 = 90.000000$$

• Number of Intermediate Cross Beam

$$Ny1 = 1$$

• Number of Main Girder

$$\text{Outer Girder: } 2$$

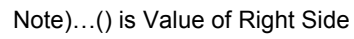
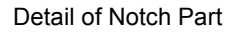
$$\text{Inner Girder: } 2$$

1) Standard Part (Inner Girder)

Detail of Notch Part

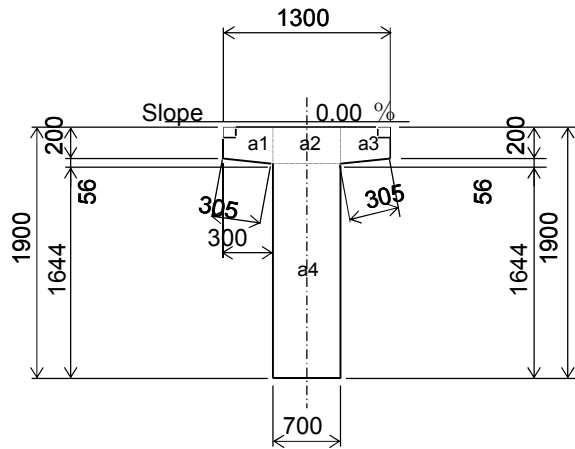
Note)...() is Value of Right Side

2) Standard Part (Outer Girder)

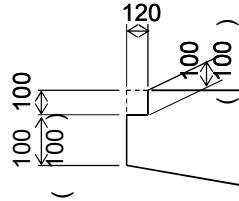

$$a_1 = 0.8440 + -0.0120 = 0.8320 \text{ m}^2$$
$$I1 = 0.200 + 0.100 + 0.100 + 0.549 + 0.549 + 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.892 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.256) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.256 + 0.256) \times 0.700 &= 0.1792 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.256 + 0.200) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.644 + 1.644) \times 0.700 &= 1.1508 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.4428 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

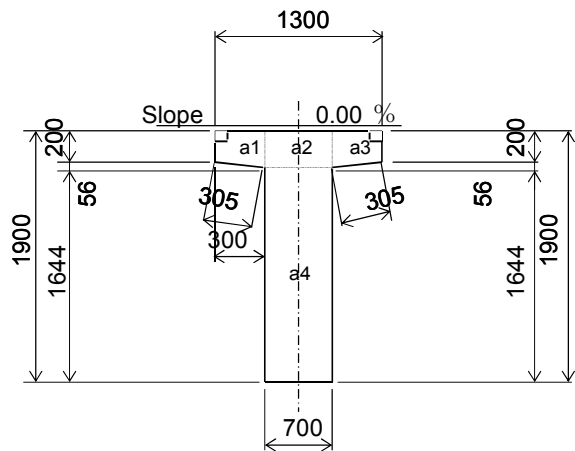
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.305 \\
 &+ 0.305 + 1.644 + 1.644 &= 4.298 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

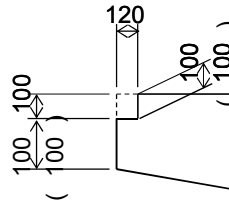
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.4668 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.4668 + -0.0120 = 1.4548 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

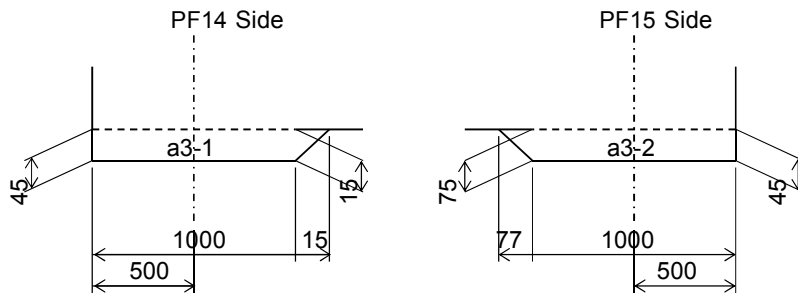
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.100 + 0.305 + 0.305 \\ &+ 1.644 + 1.644 = 4.298 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.045 + 0.015) \times 1.000 + 1 / 2 \\
 &\quad \times 0.015 \times 0.015 = 0.0301 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.045 + 0.075) \times 1.000 + 1 / 2 \\
 &\quad \times 0.075 \times 0.077 = 0.0629 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0301 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0629 \times 0.700 = 0.044 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0301 + 0.045 \times 0.700 \times 1.000000 = 0.092 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0629 + 0.045 \times 0.700 \times 1.000000 = 0.157 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned} V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8200 \times 21.025 &= 17.241 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.4428 \times 2.358 &= 3.402 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8200 + 1.4428) \times 6.480 &= 7.331 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.044 &= 0.065 \text{ m}^3 \end{aligned}$$

$$V1 = 28.039 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 28.039 \times 2.50 \text{ t/m}^3 = 70.10 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned} V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\ &= 0.8320 \times 21.025 &= 17.493 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\ &= 1.4548 \times 2.358 &= 3.430 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-3 &= 1 / 2 \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\ &= 1 / 2 \times (0.8320 + 1.4548) \times 6.480 &= 7.409 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\ &= 0.021 + 0.044 &= 0.065 \text{ m}^3 \end{aligned}$$

$$V2 = 28.397 \text{ m}^3$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 28.397 \times 2.50 \text{ t/m}^3 = 70.99 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin\theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin\theta_2 = 1.000000$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 4.892 \times 21.025 &= 102.854 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.298 \times 2.358 &= 10.135 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (4.892 + 4.298) \times 6.480 &= 29.776 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.092 + 0.157 &= 0.249 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 143.014 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 4.892 \times 21.025 &= 102.854 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Supporting Part}) \\
 &= 4.298 \times 2.358 &= 10.135 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (4.892 + 4.298) \times 6.480 &= 29.776 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.092 + 0.157 &= 0.249 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 143.014 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.4428 \times (1.000000 + 1.000000) &= 2.886 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.4548 \times (1.000000 + 1.000000) &= 2.910 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 21.025 = 14.718 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.358 = 1.651 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 = 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.905 \text{ m}^2
 \end{aligned}$$

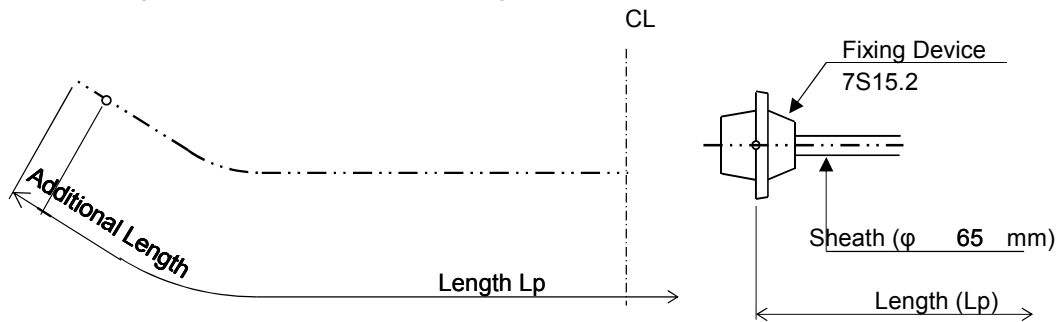
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 21.025 = 14.718 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.358 = 1.651 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 = 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.905 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.544	1	29.544
C2	29.519	1	29.519
C3	29.493	1	29.493
C4	29.456	1	29.456
C5	29.415	1	29.415
TOTAL	—	5	147.427

• Length (Except Additional Length)

$$\Sigma L1 = 147.427 \quad = \quad 147.427 \text{ m}$$

3) Weight of PC Strand

•Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.427 \times 7.707 \text{ kg/m} = 1136.220 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.427 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.427 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

Specificatin : SD345

Reinforcement Bar

	G1	G2	G3	G4	TOTAL
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	831 kg	831 kg	831 kg	831 kg	3324 kg
D16	1918 kg	1962 kg	1962 kg	1918 kg	7760 kg
D13	1567 kg	1572 kg	1572 kg	1567 kg	6278 kg
TOTAL	4316 kg	4365 kg	4365 kg	4316 kg	17362 kg

1) Dimension of Cross Beam

※1 Dimensions of Starting Point
※2 Dimensions of End Point



2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.900 - 1.4428 = 5.2072 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.151 \times 2.000 = 0.3020 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.900 - 1.4428 = 5.2072 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.178 \times 2.000 = 0.3560 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in End Point
$$V1-1 = a1+a2 \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.5092 \times 0.900 \times 3 = 14.875 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = a1'+a2' \times \text{Width of Cross Beam} \times \text{Number of Position}$$

$$= 5.5632 \times 0.950 \times 3 = 15.855 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = a3 \times \text{Width of Cross Beam} \times \text{Number of Position} \times \text{Number of Position (Bridge Axial Direction)}$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.262 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 15.855 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin\theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin\theta_2 = 1.000000$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin\theta_3 = 1.000000$

• Cross Beam at End of Main Girder in End Point

$$A1-1 = (2 \times k_1 \times 5.2072 + 2.800 \times 0.900 + 0.151) \times 3 = 39.619 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (1 \times k_2 \times 5.2072 + 2.800 \times 0.950 + 0.178) \times 3 = 24.616 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.800 \times 0.300) \times 3 \times 1 = 25.099 \text{ m}^2$$

$$A1 = 64.718 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.616 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

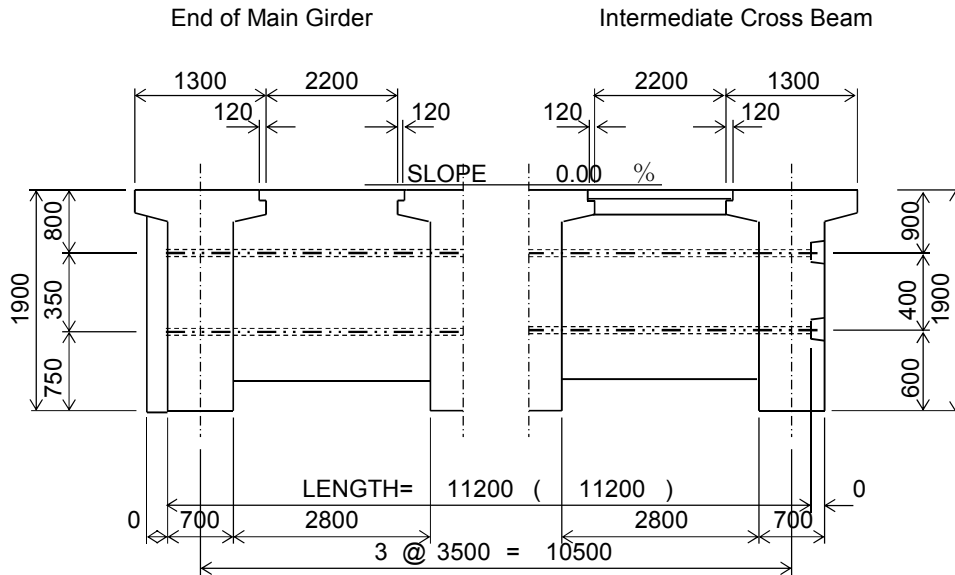
3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

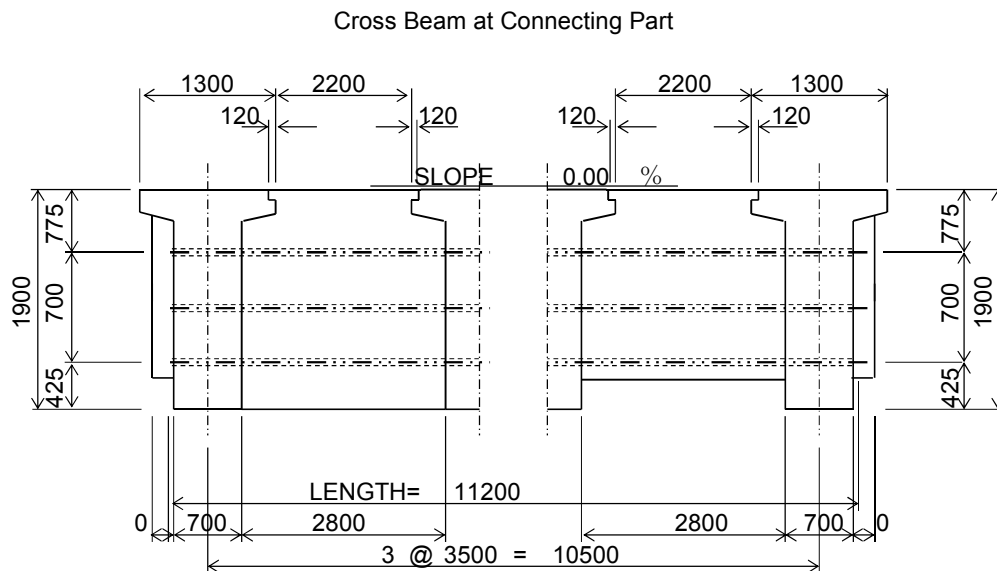
	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	521 kg	0 kg	521 kg
D16	278 kg	0 kg	278 kg
D13	98 kg	210 kg	308 kg
TOTAL	897 kg	210 kg	1107 kg

4. PC Strand for Stressing

Strand 4S15.2 mm (SWPR7BL)
 Unit Weight $\gamma_p = 4.404$ kg/m
 Stressing Method Bilateral Stressing
 Number $N_p = 12$



But, () is Value of Intermediate Cross Beam



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.200	4	44.800
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	6	67.200
Total	—	12	134.400

• Length (Except Additional Length)

$$\Sigma L1 = 134.400 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.400 \times 4.404 \text{ kg/m} = 591.898 \text{ kg}$$

3) Sheath Length

(1) Sheath between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{WIDTH} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{WIDTH} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 6 \\
 &\quad + (\text{WIDTH} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 101.880 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 4 + k2 \times 6 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.400 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.400 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

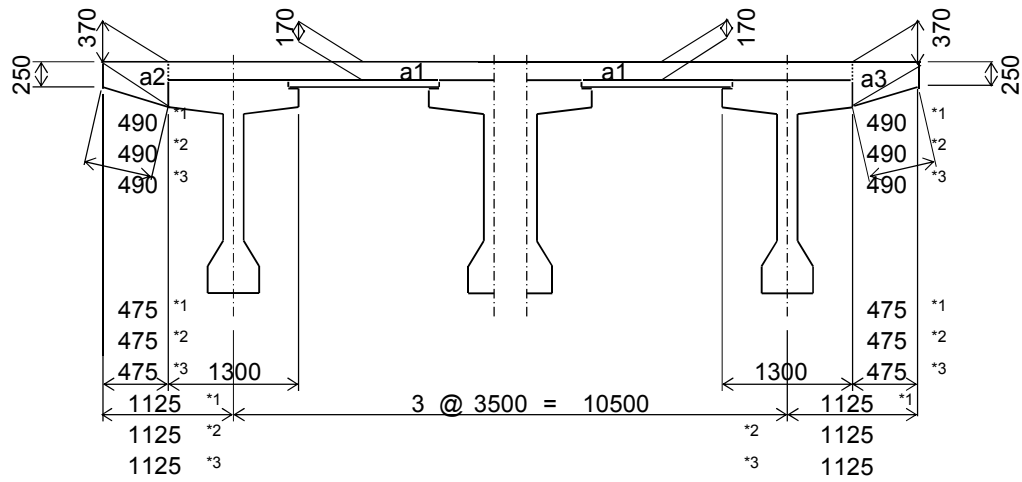
7) Stressing Work (4S15.2)

$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

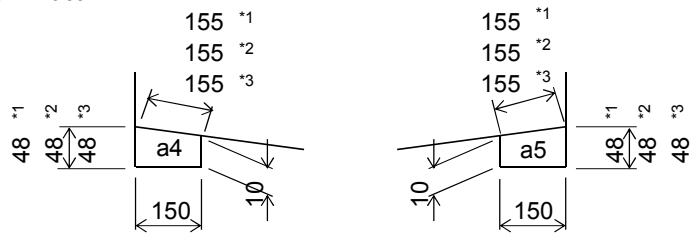
8) Fixing Device (4S15.2)

$$N_k = 2 \times n_p = 2 \times 12 \text{ No. } 24$$

1) Dimension



- Drain Duct



But,

- *1...The Mean Value of Main Girder
- *2...Dimensions of Starting Point Side
- *3...Dimensions of End Point Side

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3094 \text{ m}^{2*1} \\
 & (= 2.3094 \text{ m}^{2*2}) \\
 & ((= 2.3094 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &+ 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &= 1.586 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^1 \times (\text{ Girder Length } + \text{ Right Connecting Part }) \\ &= 2.3094 \times (29.863 + 0.100) = 69.197 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= 0 \times (\text{ Girder Length } + \text{ Right Connecting Part }) \\ &= 1.586 \times (29.863 + 0.100) = 47.521 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form(PF14 Part)

$$\begin{aligned} A1-2 &= \Sigma a^2 \times 1 / \sin \theta_1 \quad \theta_1 = \text{Angle of Starting Point Side} \\ &= 2.3094 \times 1.000000 = 2.309 \text{ m}^2 \end{aligned}$$

$$A1 = 49.830 \text{ m}^2$$

3. Reinforcement Bar Include the Quantity between PF15~AF2

Specifiaction: SD345

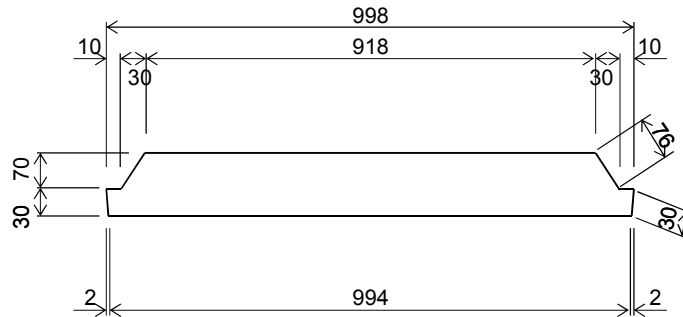
Reinforcement Bar

D22	13699 kg
D19	34233 kg
D16	5424 kg
D13	1618 kg
Total	54974 kg

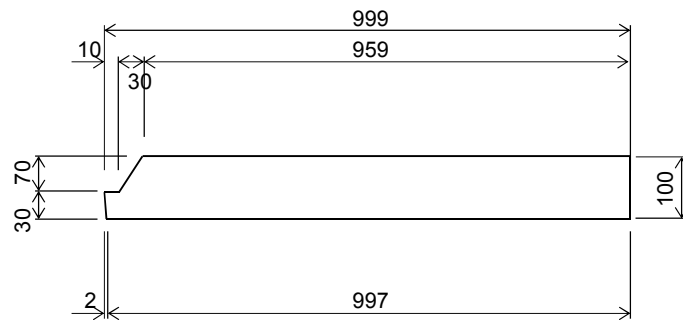
2-4. PC Plate

1) Dimension

Type① (t = 100 mm)



Type② (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1/2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1/2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type②

$$\begin{aligned}
 a2-1 &= 0.999 \times 0.100 &= 0.0999 \text{ m}^2 \\
 a2-2 &= -1/2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1/2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a2 &= 0.0981 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	78	Standard 998 × 2380 × 100
②	6	Adjustment 999 × 2380 × 100
Total	84	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$V1 = 0.0962 \times 2.380 = 0.229 \text{ m}^3$$

$$V2 = 0.0981 \times 2.380 = 0.233 \text{ m}^3$$

$$\Sigma V = 0.229 \times 78 + 0.233 \times 6 = 19.260 \text{ m}^3$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.260 \times 2.50 \text{ t/m}^3 = 48.15 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.997) \times 2.380 + 0.0981 \times 2 = 3.059 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 3.059 \times 6 = 257.268 \text{ m}^2$$

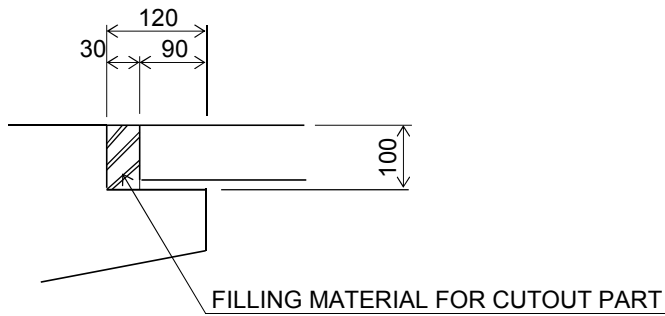
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 84) = 199.920 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

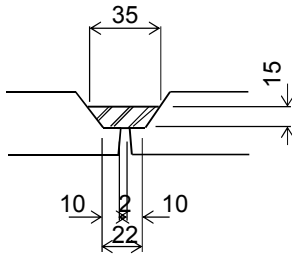
$$L_j = (1.000 \times 84) \times 2 = 168.000 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 84) \times 2 = 0.504 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(for Each PC Plate)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

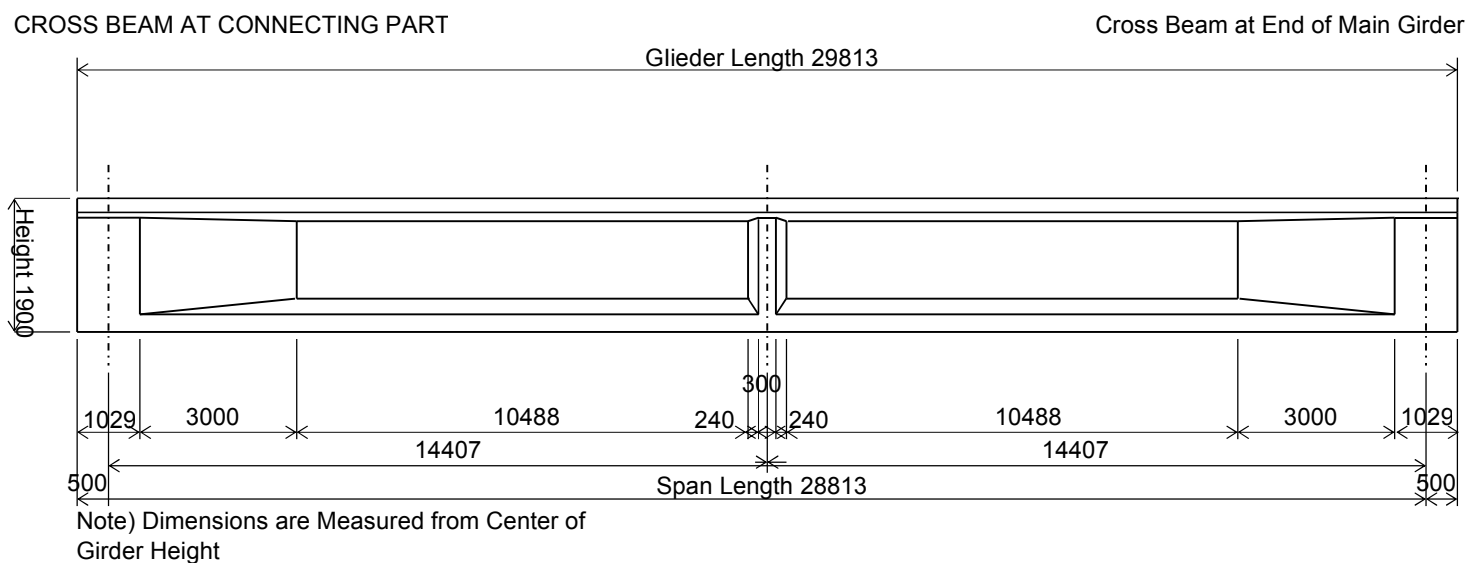
9. Reinforcement Bar

Specifiaction: SD345

Reinforcement Bar

D10	1487 kg

Total	1487 kg



• Length of Standard Part

$$L0 = 10.488 \times 1 + 10.488 \times 1 = 20.975 \text{ m}$$

• Length of Cross Beam Part

$$L1 = 1.029 + 1.029 + 0.300 \times 1 = 2.358 \text{ m}$$

• Length of Widdening Part

$$L2 = 3.000 + 3.000 + 0.240 \times 2 = 6.480 \text{ m}$$

$$\Sigma Lg = 29.813 \text{ m}$$

• Angle

Start Point $\theta 1 = 90.000000$

End Point $\theta 2 = 90.000000$

Cross Beam $\theta 3 = 90.000000$

• Number of Intermediate Cross Beam

$$Ny1 = 1$$

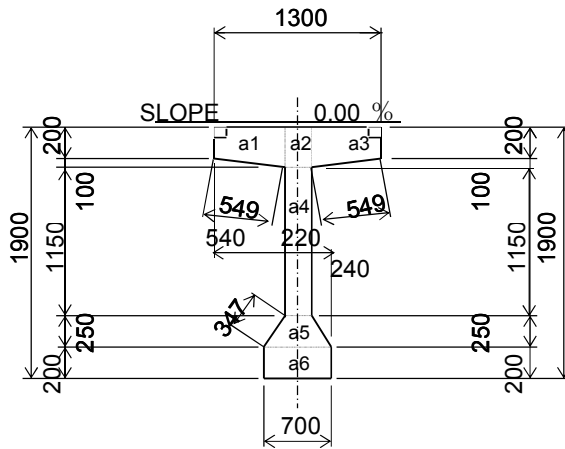
• Number of Main Girder

Outer Girder : 2

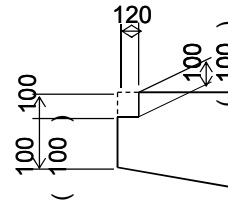
Inner Girder : 2

(Cross Section)

1) Standard Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a1-1 &= 1 / 2 \times (0.200 + 0.300) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-2 &= 1 / 2 \times (0.300 + 0.300) \times 0.220 &= 0.0660 \text{ m}^2 \\
 a1-3 &= 1 / 2 \times (0.300 + 0.200) \times 0.540 &= 0.1350 \text{ m}^2 \\
 a1-4 &= 1 / 2 \times (1.150 + 1.150) \times 0.220 &= 0.2530 \text{ m}^2 \\
 a1-5 &= 1 / 2 \times (0.220 + 0.700) \times 0.250 &= 0.1150 \text{ m}^2 \\
 a1-6 &= 0.700 \times 0.200 &= 0.1400 \text{ m}^2 \\
 a1-7 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a1-8 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a1 &= 0.8200 \text{ m}^2
 \end{aligned}$$

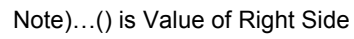
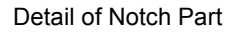
• Calculation of Perimeter of Form (Side)

$$\begin{aligned}
 i1 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.549 + 0.549 \\
 &+ 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.892 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

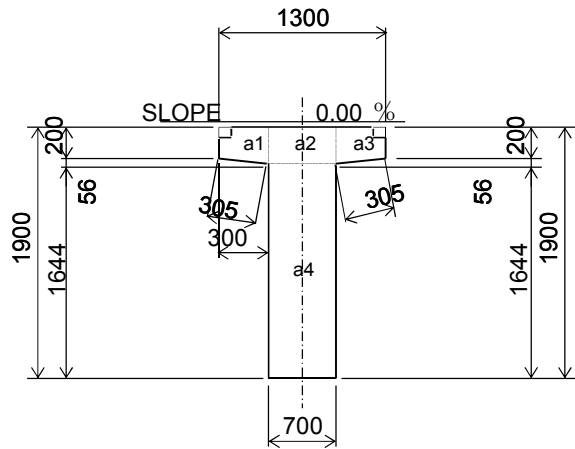
$$i1' = 0.700 \text{ m}$$

2) Standard Part (Outer Girder)

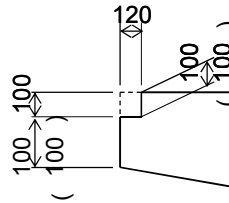

$$a_1 = 0.8440 + -0.0120 = 0.8320 \text{ m}^2$$
$$I1 = 0.200 + 0.100 + 0.100 + 0.549 + 0.549 + 1.150 + 1.150 + (0.347 + 0.200) \times 2 = 4.892 \text{ m}$$
$$l_1' = 0.700 \text{ m}$$

(Cross Section)

3) Supporting Part (Inner Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\begin{aligned}
 a2-1 &= 1 / 2 \times (0.200 + 0.256) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-2 &= 1 / 2 \times (0.256 + 0.256) \times 0.700 &= 0.1792 \text{ m}^2 \\
 a2-3 &= 1 / 2 \times (0.256 + 0.200) \times 0.300 &= 0.0684 \text{ m}^2 \\
 a2-4 &= 1 / 2 \times (1.644 + 1.644) \times 0.700 &= 1.1508 \text{ m}^2 \\
 a2-5 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 a2-6 &= - 1 / 2 \times (0.100 + 0.100) \times 0.120 &= -0.0120 \text{ m}^2 \\
 \hline
 a2 &= 1.4428 \text{ m}^2
 \end{aligned}$$

• Calculation of Perimeter of Form (Side)

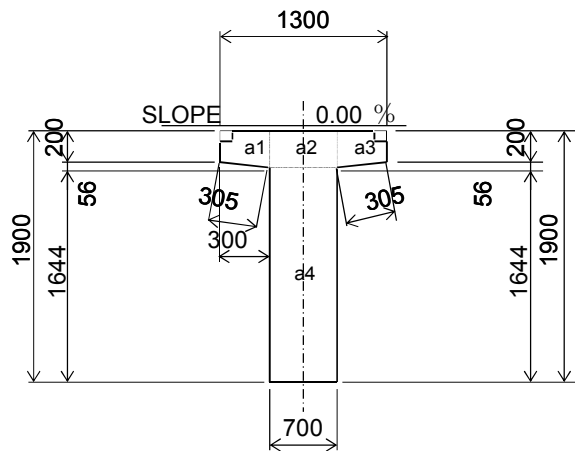
$$\begin{aligned}
 i2 &= 0.100 + 0.100 + 0.100 + 0.100 + 0.305 \\
 &\quad + 0.305 + 1.644 + 1.644 &= 4.298 \text{ m}
 \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

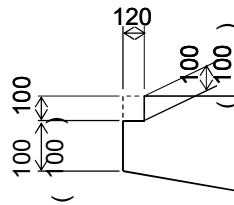
$$i2' = 0.700 \text{ m}$$

(Cross Section)

4) Supporting Part (Outer Girder)



Detail of Notch Part



Note)...() is Value of Right Side

• Calculation of Cross Section Area

$$\Sigma (a2-1 \sim a2-4) = 1.4668 \text{ m}^2 \quad \dots \text{ From Previous Page}$$

$$\text{Notch Part Area in Outer Girder} \quad a2-5 = -0.0120 \text{ m}^2$$

$$a2 = 1.4668 + -0.0120 = 1.4548 \text{ m}^2$$

• Calculation of Perimeter of Form (Side)

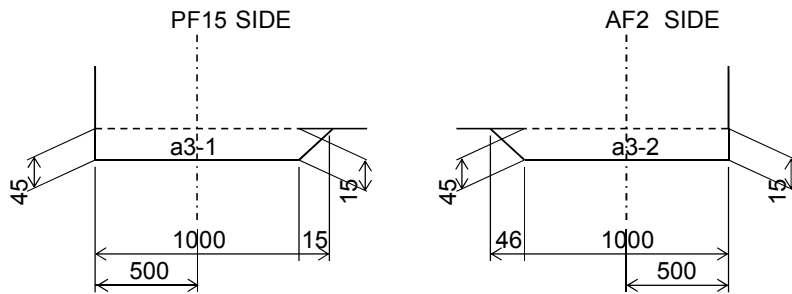
$$\begin{aligned} i2 &= 0.200 + 0.100 + 0.100 + 0.305 + 0.305 \\ &\quad + 1.644 + 1.644 = 4.298 \text{ m} \end{aligned}$$

• Calculation of Perimeter of Form (Bottom)

$$i2' = 0.700 \text{ m}$$

(Increase in Concrete Volume by Rare)

(1) Dimensions



(2) Cross Section Area

$$\begin{aligned}
 a3-1 &= 1 / 2 \times (0.045 + 0.015) \times 1.000 + 1 / 2 \\
 &\quad \times 0.015 \times 0.015 = 0.0301 \text{ m}^2 \\
 a3-2 &= 1 / 2 \times (0.015 + 0.045) \times 1.000 + 1 / 2 \\
 &\quad \times 0.045 \times 0.046 = 0.0310 \text{ m}^2
 \end{aligned}$$

(3) Increasement of Concrete Volume

$$\begin{aligned}
 v-1 &= a3-1 \times bw \quad \text{But, } bw : \text{Web Width of Lower Edge of Main Girder} \\
 &= 0.0301 \times 0.700 = 0.021 \text{ m}^3 \\
 v-2 &= a3-2 \times bw \\
 &= 0.0310 \times 0.700 = 0.022 \text{ m}^3
 \end{aligned}$$

(4) Increasement of Form Area

$$\begin{aligned}
 a-1 &= 2 \times a3-1 + t1 \times bw \times K1 \\
 &= 2 \times 0.0301 + 0.045 \times 0.700 \times 1.000000 = 0.092 \text{ m}^2 \\
 a-2 &= 2 \times a3-2 + t2 \times bw \times K2 \\
 &= 2 \times 0.0310 + 0.015 \times 0.700 \times 1.000000 = 0.073 \text{ m}^2
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

1.1 Concrete Volume for Each Main Girder

1) Inner Girder

• Calculation of Concrete Volume

$$\begin{aligned}
 V1-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\
 &= 0.8200 \times 20.975 &= 17.200 \text{ m}^3 \\
 V1-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\
 &= 1.4428 \times 2.358 &= 3.402 \text{ m}^3 \\
 V1-3 &= \frac{1}{2} \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.8200 + 1.4428) \times 6.480 &= 7.331 \text{ m}^3 \\
 V1-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\
 &= 0.021 + 0.022 &= 0.043 \text{ m}^3 \\
 \hline
 V1 &= 27.976 \text{ m}^3
 \end{aligned}$$

• Calculation of Main Girder Weight

$$W1 = V1 \times \gamma = 27.976 \times 2.50 \text{ t/m}^3 = 69.94 \text{ t}$$

2) Outer Girder

• Calculation of Concrete Volume

$$\begin{aligned}
 V2-1 &= a1 \times L0 \quad (= \text{Standard Part}) \\
 &= 0.8320 \times 20.975 &= 17.451 \text{ m}^3 \\
 V2-2 &= a2 \times L1 \quad (= \text{Cross Section Part}) \\
 &= 1.4548 \times 2.358 &= 3.430 \text{ m}^3 \\
 V2-3 &= \frac{1}{2} \times (a1 + a2) \times L2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.8320 + 1.4548) \times 6.480 &= 7.409 \text{ m}^3 \\
 V2-4 &= v-1 + v-2 \quad (= \text{Rare Concrete}) \\
 &= 0.021 + 0.022 &= 0.043 \text{ m}^3 \\
 \hline
 V2 &= 28.333 \text{ m}^3
 \end{aligned}$$

• Calculation of Main Girder Weight

$$W2 = V2 \times \gamma = 28.333 \times 2.50 \text{ t/m}^3 = 70.83 \text{ t}$$

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin\theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin\theta_2 = 1.000000$

1) Inner Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 4.892 \times 20.975 &= 102.610 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Cross Section Part}) \\
 &= 4.298 \times 2.358 &= 10.135 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (4.892 + 4.298) \times 6.480 &= 29.776 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.092 + 0.073 &= 0.165 \text{ m}^2 \\
 \hline
 \Sigma A1-1 &= 142.686 \text{ m}^2
 \end{aligned}$$

2) Outer Girder Side Form

$$\begin{aligned}
 A1-1 &= i_1 \times L_0 \quad (= \text{Standard Part}) \\
 &= 4.892 \times 20.975 &= 102.610 \text{ m}^2 \\
 A1-2 &= i_2 \times L_1 \quad (= \text{Cross Section Part}) \\
 &= 4.298 \times 2.358 &= 10.135 \text{ m}^2 \\
 A1-3 &= 1 / 2 \times (i_1 + i_2) \times L_2 \quad (= \text{Widening Part}) \\
 &= 1 / 2 \times (4.892 + 4.298) \times 6.480 &= 29.776 \text{ m}^2 \\
 A1-4 &= a-1 + a-2 \quad (= \text{Rare Concrete}) \\
 &= 0.092 + 0.073 &= 0.165 \text{ m}^2 \\
 \hline
 \Sigma A1-2 &= 142.686 \text{ m}^2
 \end{aligned}$$

3) Inner Girder Edge Form

$$\begin{aligned}
 \Sigma A2-1 &= a_2 \times (k_1 + k_2) \\
 &= 1.4428 \times (1.000000 + 1.000000) &= 2.886 \text{ m}^2
 \end{aligned}$$

4) Outer Girder Edge Form

$$\begin{aligned}
 \Sigma A2-2 &= a_2 \times (k_1 + k_2) \\
 &= 1.4548 \times (1.000000 + 1.000000) &= 2.910 \text{ m}^2
 \end{aligned}$$

5) Inner Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 20.975 = 14.683 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.358 = 1.651 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 = 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-1 &= 20.870 \text{ m}^2
 \end{aligned}$$

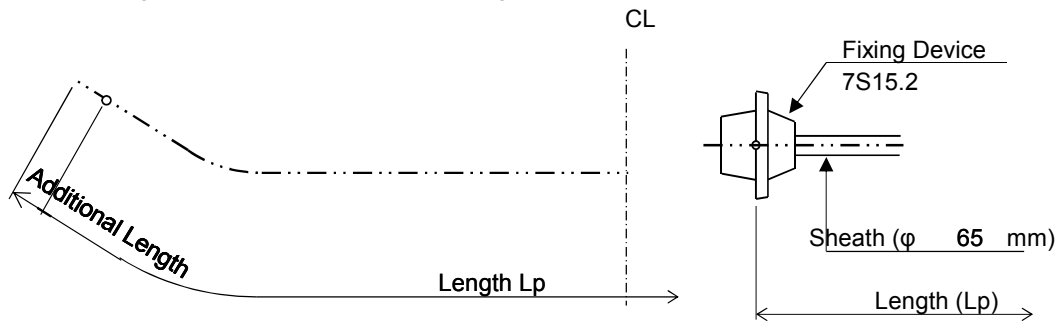
6) Outer Girder Bottom Form

$$\begin{aligned}
 A3-1 &= l_1' \times L_0 \quad (= \text{Standard Part}) \\
 &= 0.700 \times 20.975 = 14.683 \text{ m}^2 \\
 A3-2 &= l_2' \times L_1 \quad (= \text{Supporting and Connecting Part}) \\
 &= 0.700 \times 2.358 = 1.651 \text{ m}^2 \\
 A3-3 &= \frac{1}{2} \times (l_1' + l_2') \times L_2 \quad (= \text{Widening Part}) \\
 &= \frac{1}{2} \times (0.700 + 0.700) \times 6.480 = 4.536 \text{ m}^2 \\
 \hline
 \Sigma A3-2 &= 20.870 \text{ m}^2
 \end{aligned}$$

3. PC Strand

1) Specifiaction

Strand 7S15.2 mm (SWPR7BL)
 Number $N_p = 5$ (For Each Main Girder)
 Unit Weight $\gamma_p = 7.707$ kg/m
 Stressing Method Bilateral Stressing



2) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
C1	29.494	1	29.494
C2	29.475	1	29.475
C3	29.443	1	29.443
C4	29.406	1	29.406
C5	29.365	1	29.365
TOTAL	—	5	147.183

• Length (Except Additional Length)

$$\Sigma L1 = 147.183 \quad = \quad 147.183 \text{ m}$$

3) Weight of PC Strand

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 147.183 \times 7.707 \text{ kg/m} = 1134.339 \text{ kg}$$

4) Sheath Length (D 65 mm)

$$L_s = \Sigma L1 = 147.183 \text{ m}$$

5) Grout Length (D 65 mm)

$$L_g = \Sigma L1 = 147.183 \text{ m}$$

6) Fixing Device (7S15.2)

$$N_t = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

7) Reinforcement Grid (7S15.2)

Specifiaction : 1 × D13 × 4020

$$N_g = 2 \times n_p = 2 \times 5 = 10 \text{ set}$$

8) Stressing Work (7S15.2)

$$N_k = 2 \times n_p = 2 \times 5 = 10 \text{ No.}$$

4. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	G1	G2	G3	G4	Total
D22	0 kg	0 kg	0 kg	0 kg	0 kg
D19	829 kg	829 kg	829 kg	829 kg	3316 kg
D16	1918 kg	1962 kg	1962 kg	1918 kg	7760 kg
D13	1566 kg	1571 kg	1571 kg	1566 kg	6274 kg
TOTAL	4313 kg	4362 kg	4362 kg	4313 kg	17350 kg

1) Dimension of Cross Beam

Diagram illustrating the cross-section of a bridge at a supporting pier. The structure consists of two main piers, each with a width of 2200 mm, separated by a central gap of 1300 mm. The total width of the bridge deck is 5800 mm. The piers are supported by a foundation with a width of 2800 mm. The height of the piers is 1900 mm. The diagram also shows the slope of the bridge deck, which is 0.00%.

Dimensions and labels:

- Top width dimensions: 1300, 2200, 120, 2200, 1300
- Top width dimensions (inner): 120, 120, 120, 120
- Left side height dimensions: 1900, 1644, 56, 142
- Right side height dimensions: 1900, 168
- Bottom width dimensions: 700, 2000, 2800, 2800, 700
- Bottom width dimension (total): 3 @ 3500 = 10500
- Labels: Slope 0.00 %, ※1, ※2

Cross Section at Intermediate Cross Beam

Dimensions (mm):

- Top Flange: 1300 (outer), 2200 (inner), 120 (overhang)
- Main Body: 2800 (width), 1344 (height)
- Base: 200 (height)
- Total Section Width: 3500 (700 side flange + 2800 main deck)
- Total Section Height: 1900 (200 base + 1344 main body + 356 top flange)
- Spacing: 3 @ 3500 = 10500
- Slope: 0.00 %

2) Calculation of Cross Section Area

- Cross Section Area of Cross Beam at End of Main Girder in Starting Point
$$a1 = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.900 - 1.4428 = 5.2072 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in Starting Point (Rare Concrete)
$$a2 = 0.142 \times 2.000 = 0.2840 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point
$$a1' = \text{Girder Pitch} \times \text{Girder Height} - \text{Inner Girder Area}$$

$$= 3.500 \times 1.900 - 1.4428 = 5.2072 \text{ m}^2$$
- Cross Section Area of Cross Beam at End of Main Girder in End Point (Rare Concrete)
$$a2' = 0.168 \times 2.000 = 0.3360 \text{ m}^2$$
- Cross Section Area of Intermediate Cross Beam
$$a3 = \text{Cross Beam Width} \times \text{Cross Beam Height}$$

$$= 2.800 \times 1.344 = 3.7632 \text{ m}^2$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

- Cross Beam at End of Main Girder in Starting Point
$$V1-1 = \frac{\text{Width of}}{a1+a2} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.4912 \times 0.950 \times 3 = 15.650 \text{ m}^3$$
- Cross Beam at End of Main Girder in End Point
$$V1-2 = \frac{\text{Width of}}{a1'+a2'} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}}$$

$$= 5.5432 \times 0.900 \times 3 = 14.967 \text{ m}^3$$
- Intermediate Cross Beam Part
$$V1-3 = \frac{\text{Width of}}{a3} \times \text{Cross Beam} \times \frac{\text{Number of}}{\text{Position}} \times \frac{\text{Number of Position}}{\text{(Bridge Axial Direction)}}$$

$$= 3.7632 \times 0.300 \times 3 \times 1 = 3.387 \text{ m}^3$$

$$V1 = 18.354 \text{ m}^3$$

(Quantity of Cross Beam)

$$Vr1 = 15.650 \text{ m}^3$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

2. Form Area Angle of Start Point $\theta_1 = 90.000000$ $k_1 = 1 / \sin \theta_1 = 1.000000$
 Angle of End Point $\theta_2 = 90.000000$ $k_2 = 1 / \sin \theta_2 = 1.000000$
 Angle of Intermediate Cross Beam $\theta_3 = 90.000000$ $k_3 = 1 / \sin \theta_3 = 1.000000$

• Cross Beam at End of Main Girder in Starting Point

$$A1-1 = (1 \times k_1 \times 5.2072 + 2.800 \times 0.950 + 0.142) \times 3 = 24.411 \text{ m}^2$$

• Cross Beam at End of Main Girder in End Point

$$A1-2 = (2 \times k_2 \times 5.2072 + 2.800 \times 0.900 + 0.168) \times 3 = 39.710 \text{ m}^2$$

• Intermediate Cross Beam Part

$$A1-3 = (2 \times k_3 \times 3.7632 + 2.800 \times 0.300) \times 3 \times 1 = 25.099 \text{ m}^2$$

$$A1 = 64.809 \text{ m}^2$$

(Quantity of Cross Beam)

$$Ar1 = 24.411 \text{ m}^2$$

(Quantity of Connecting Part)

But, Quantity of Connecting Part Shall Include in Calculation of
Connecting Cross Beam

3. Reinforcement Bar

Specifiaction: SD345
Reinforcement Bar

	End	Intermediate	Total
D22	0 kg	0 kg	0 kg
D19	521 kg	0 kg	521 kg
D16	278 kg	0 kg	278 kg
D13	98 kg	210 kg	308 kg
Total	897 kg	210 kg	1107 kg

Strand	4S15.2 mm (SWPR7BL)
Unit Weight	yp = 4.404 kg/m
Stressing Method	Bilateral Stressing
Number	Np = 12



1) Summary of PC Strand Length

	L1 (m)	n(No.)	$\Sigma L1 = L1 \cdot n$ (m)
Cross Beam at End of Main Girder	11.200	4	44.800
Intermediate Cross Beam	11.200	2	22.400
Connecting Cross Beam	11.200	6	67.200
Total	—	12	134.400

• Length (Except Additional Length)

$$\Sigma L1 = 134.400 \text{ m}$$

2) PC Strand Weight

• Weight (Except Additional Length)

$$W1 = \Sigma L1 \times \gamma_p = 134.400 \times 4.404 \text{ kg/m} = 591.898 \text{ kg}$$

3) Sheath Length

(1) Sheath between Girder (D 45 mm)

$$\begin{aligned}
 Ls1 &= ((\text{WIDTH} \times k1 + 2 \times 0.015) \times \text{No.}) \\
 &= ((2.800 \times k1 + 2 \times 0.015) \times 6) \\
 &\quad + (\text{WIDTH} \times k2 + 2 \times 0.015) \times \text{No.} \\
 &\quad + (2.800 \times k2 + 2 \times 0.015) \times 4 \\
 &\quad + (\text{WIDTH} \times k3 + 2 \times 0.015) \times \text{No.}) \times \text{Number of Cross Beam} \\
 &\quad + (2.800 \times k3 + 2 \times 0.015) \times 2) \times 3 \\
 &= 101.880 \text{ m}
 \end{aligned}$$

(2) Embedded Sheath in Main Girder (D 60 mm) -- For Each Main Girder

$$\begin{aligned}
 Ls2 &= (k1 \times \text{No.} + k2 \times \text{No.} + k3 \times \text{No.}) \\
 &= (k1 \times 6 + k2 \times 4 + k3 \times 2) \\
 &\quad \times \text{Width of Main Girder} \\
 &\quad \times 0.700 = 8.400 \text{ m}
 \end{aligned}$$

4) Grout Length (D 45 mm)

$$Lg = \Sigma L1 = 134.400 \text{ m}$$

5) Anchorage for PC Strand (4S15.2)

$$N_t = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

6) Reinforcement Grid (4S15.2)

$$N_g = 2 \times n_p = 2 \times 12 = 24 \text{ set}$$

7) Stressing Work (4S15.2)

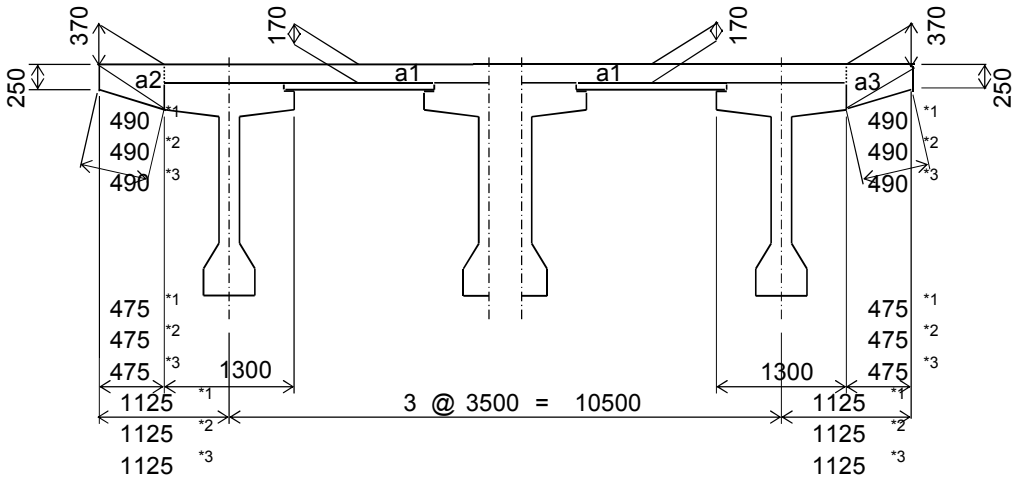
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

8) Fixing Device (4S15.2)

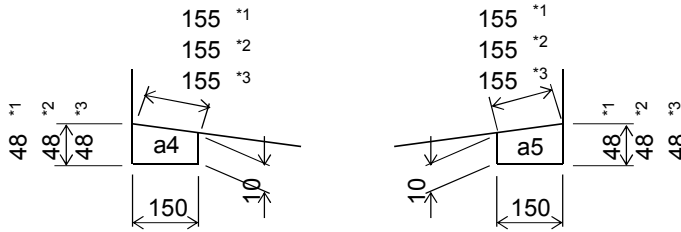
$$N_k = 2 \times n_p = 2 \times 12 = 24 \text{ No.}$$

3-3. Deck Slab

1) Dimension



• Drain Duct



BUT、 *1...THE MEAN VALUE OF MAIN GIRDER
*2...DIMENSIONS OF STARTING POINT SIDE
*3...DIMENSIONS OF END POINT SIDE

2) Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= (3 \times 3.500 + 1.300) \times 0.170 &= 2.0060 \text{ m}^{2*1*2*3} \\
 a2 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a3 &= 1 / 2 \times (0.250 + 0.370) \times 0.475^{*1} &= 0.1473 \text{ m}^{2*1} \\
 & & (0.475^{*2}) & (= 0.1473 \text{ m}^{2*2}) \\
 & & ((0.475^{*3})) & ((= 0.1473 \text{ m}^{2*3})) \\
 a4 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 a5 &= 1 / 2 \times (0.010 + 0.048^{*1}) \times 0.150 &= 0.0044 \text{ m}^{2*1} \\
 & & (0.048^{*2}) & (= 0.0044 \text{ m}^{2*2}) \\
 & & ((0.048^{*3})) & ((= 0.0044 \text{ m}^{2*3})) \\
 \hline
 a1 + a2 + a3 + a4 + a5 &= 2.3094 \text{ m}^{2*1} \\
 & (= 2.3094 \text{ m}^{2*2}) \\
 & ((= 2.3094 \text{ m}^{2*3}))
 \end{aligned}$$

3) Calculation of Perimeter of Form

$$\begin{aligned}
 p1 &= 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &+ 0.250 + 0.490 + 0.048 + 0.150 + 0.010 - 0.155 \\
 &= 1.586 \text{ m}^{*1}
 \end{aligned}$$

1. Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned} V1 &= \Sigma a^{*1} \times (\text{Left Connecting Part} + \text{Girder Length}) \\ &= 2.3094 \times (0.100 + 29.813) = 69.081 \text{ m}^3 \end{aligned}$$

2. Calculation of Form Area

• Calculation of Bottom Form

$$\begin{aligned} A1-1 &= i1 \times (\text{Left Connecting Part} + \text{Girder Length}) \\ &= 1.586 \times (0.100 + 29.813) = 47.442 \text{ m}^2 \end{aligned}$$

• Calculation of Edge Form (AF2 Part)

$$\begin{aligned} A1-2 &= \Sigma a^{*2} \times 1 / \sin \theta 2 & \theta 2 &= \text{ANGLE OF END POINT SIDE} \\ &= 2.3094 \times 1.000000 & &= 2.309 \text{ m}^2 \end{aligned}$$

$$A1 = 49.751 \text{ m}^2$$

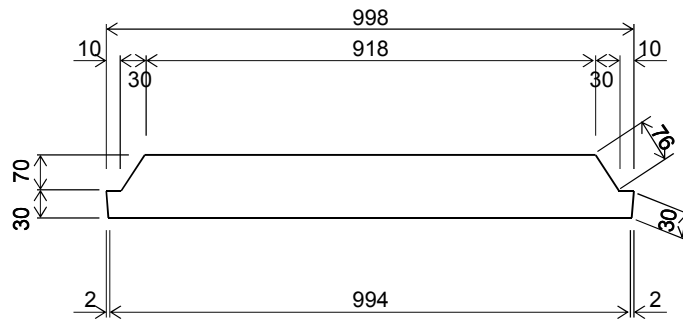
3. Reinforcement Bar

Note...Shall Include Quantity between PF14~PF15

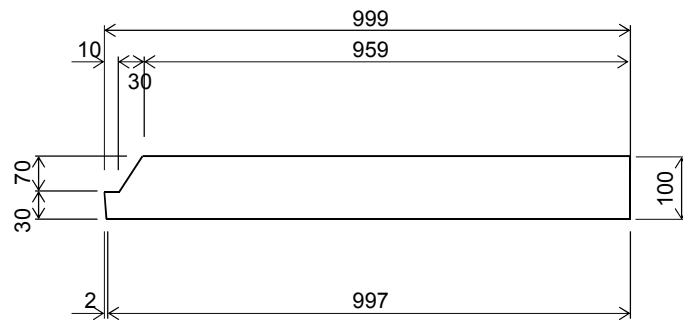
3-4. PC Plate

1) Dimension

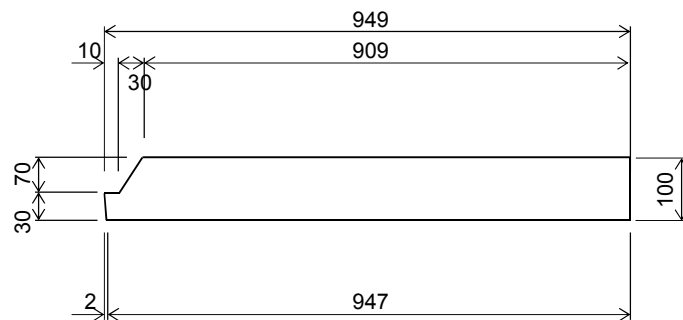
Type① (t = 100 mm)



Type② (t = 100 mm)



Type③ (t = 100 mm)



2) Cross Section Area

Type①

$$\begin{aligned}
 a1-1 &= 0.998 \times 0.100 &= 0.0998 \text{ m}^2 \\
 a1-2 &= -1 / 2 \times 0.002 \times 0.030 \times 2 &= -0.00006 \text{ m}^2 \\
 a1-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 \times 2 &= -0.0035 \text{ m}^2 \\
 \hline
 a1 &= 0.0962 \text{ m}^2
 \end{aligned}$$

Type②

$$\begin{aligned}
 a2-1 &= 0.999 \times 0.100 &= 0.0999 \text{ m}^2 \\
 a2-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a2-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a2 &= 0.0981 \text{ m}^2
 \end{aligned}$$

Type③

$$\begin{aligned}
 a3-1 &= 0.949 \times 0.100 &= 0.0949 \text{ m}^2 \\
 a3-2 &= -1 / 2 \times 0.002 \times 0.030 &= -0.00003 \text{ m}^2 \\
 a3-3 &= -1 / 2 \times (0.010 + 0.040) \times 0.070 &= -0.0018 \text{ m}^2 \\
 \hline
 a3 &= 0.0931 \text{ m}^2
 \end{aligned}$$

1. Number of PC Plate

PC Plate Type	Number	Shape · Dimension
①	78	STANDARD 998 × 2380 × 100
②	3	ADJUSTMENT 999 × 2380 × 100
③	3	ADJUSTMENT 949 × 2380 × 100
TOTAL	84	

2. Concrete Volume ($\sigma_{ck} = 40 \text{ N/mm}^2$)

• Calculation of Concrete Volume

$$\begin{aligned}
 V1 &= 0.0962 \times 2.380 &= 0.229 \text{ m}^3 \\
 V2 &= 0.0981 \times 2.380 &= 0.233 \text{ m}^3 \\
 V3 &= 0.0931 \times 2.380 &= 0.222 \text{ m}^3 \\
 \Sigma V &= 0.229 \times 78 + 0.233 \times 3 + 0.222 \times 3 &= 19.227 \text{ m}^3
 \end{aligned}$$

• Calculation of Weight

$$W = \Sigma V \times \gamma = 19.227 \times 2.50 \text{ t/m}^3 = 48.07 \text{ t}$$

3. Form Area

$$a1 = (0.076 + 0.030 + 0.076 + 0.030 + 0.994) \times 2.380 + 0.0962 \times 2 = 3.063 \text{ m}^2$$

$$a2 = (0.076 + 0.030 + 0.100 + 0.997) \times 2.380 + 0.0981 \times 2 = 3.059 \text{ m}^2$$

$$a3 = (0.076 + 0.030 + 0.100 + 0.947) \times 2.380 + 0.0931 \times 2 = 2.930 \text{ m}^2$$

$$\Sigma a = 3.063 \times 78 + 3.059 \times 3 + 2.930 \times 3 = 256.881 \text{ m}^2$$

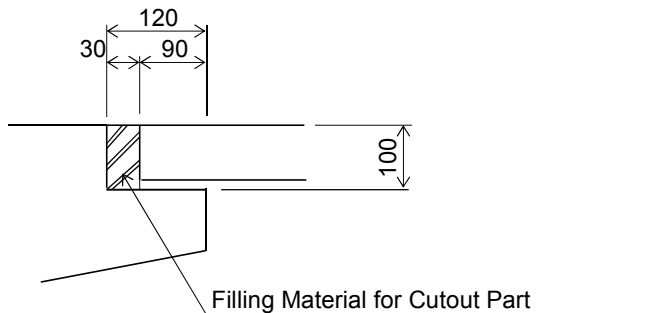
4. PC Plate Area

$$A_{pc} = 2.380 \times (1.000 \times 81 + 0.950 \times 3) = 199.563 \text{ m}^2$$

5. Joint Filler Specifiaction: 15 mm × 10 mm , Sponge Tape

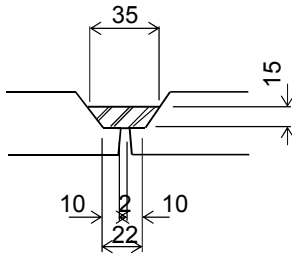
$$L_j = (1.000 \times 81 + 0.950 \times 3) \times 2 = 167.700 \text{ m}$$

6. Filling Material for Cutout Part (Non-Shrinkage Mortar)



$$V_k = 0.030 \times 0.100 \times (1.000 \times 81 + 0.950 \times 3) \times 2 = 0.503 \text{ m}^3$$

7. Joint Sealing Material (Non-Shrinkage Mortar)



$$L = 2.380 \times 27 \times 3 = 192.780 \text{ m}$$

$$V_m = 1 / 2 \times (0.035 + 0.022) \times 0.015 \times 192.780 = 0.082 \text{ m}^3$$

8. PC Strand

1) Specifiaction

Strand	1S9.3	mm	(SWPR7AL)
Number	Np = 15		(FOR EACH PC PLATE)
Unit Weight	yp = 0.405	kg/m	

2) Length of PC Strand

$$\Sigma L = 2.380 \times 15 \times 84 = 2998.800 \text{ m}$$

3) Weight of PC Strand

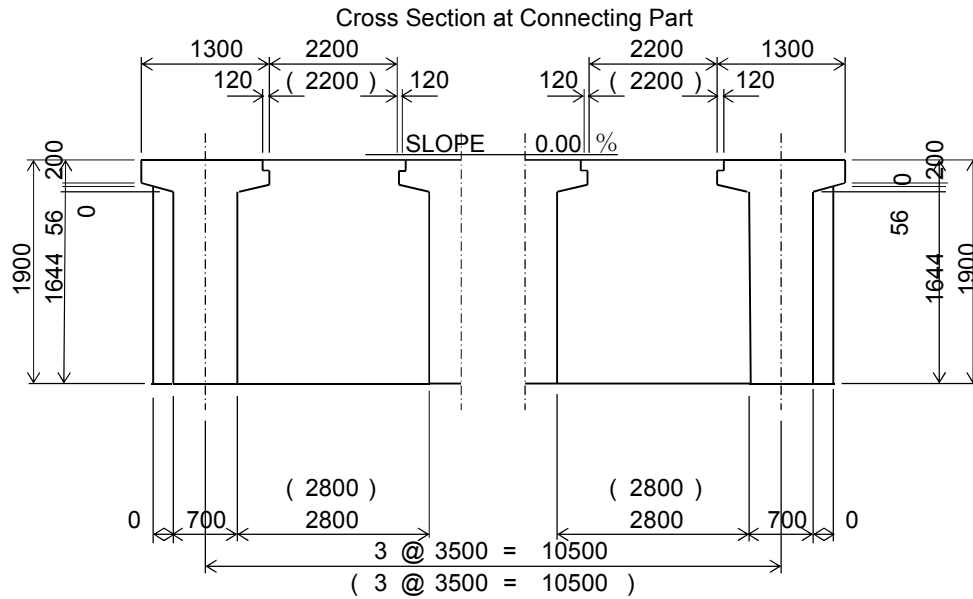
$$W = \Sigma L \times y_p = 2998.800 \times 0.405 \text{ kg/m} = 1214.514 \text{ kg}$$

9. Reinforcement Bar

Specifiaction:	SD345
Reinforcement Bar	
D10	1487 kg
Total	1487 kg

§4 Connecting Part

1) Dimension PF15 Cross Section



PF15	Angle of Starting Point $\theta_1 = 90.000000$	$k_1 = 1 / \sin \theta_1 = 1.000000$
	Angle of End Point $\theta_2 = 90.000000$	$k_2 = 1 / \sin \theta_2 = 1.000000$

2) Calculation of Cross Section Area and Perimeter of Form

• Sum of Cross Section Area of Main Girder and Cross Beam

PF14 ~ PF15 SIDE

$$a_1 = (3 \times 3.500 \times 1.900 + 1.4668) \times k_1 = 21.4168 \text{ m}^2$$

(Notchless Cross Section Area of Main Girder)

PF15 ~ AF2 SIDE

$$a_2 = (3 \times 3.500 \times 1.900 + 1.4668) \times k_2 = 21.4168 \text{ m}^2$$

(Notchless Cross Section Area of Main Girder)

• Sum of Bottom Form Length of Main Girder and Cross Beam

PF14 ~ PF15 Side

$$l_1 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$$

PF15 ~ AF2 Side

$$l_2 = 4 \times 0.700 + 3 \times 2.800 = 11.200 \text{ m}$$

3) Concrete Volume ($\sigma_{ck} = 30 \text{ N/mm}^2$)

$$\begin{aligned}
 V1-1 &= 21.4168 \times 0.100 + 21.4168 \times 0.100 &= 4.283 \text{ m}^3 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 V1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 15.855 + 15.650 &&= 31.505 \text{ m}^3
 \end{aligned}$$

$$V1 = 35.788 \text{ m}^3$$

4) Calculation of Form Area

$$\begin{aligned}
 A1-1 &= 11.200 \times 0.100 + 11.200 \times 0.100 &= 2.240 \text{ m}^2 \\
 &\text{Quantity of Starting} &\text{Quantity of} &\text{(Reference to Quantity of Each} \\
 A1-2 &= \text{Point} &+ \text{End Point} &\text{Span)} \\
 &= 24.616 + 24.411 &&= 49.027 \text{ m}^2
 \end{aligned}$$

$$A1 = 51.267 \text{ m}^2$$

5) Reinforcement Bar

Specifiaction:	SD345
Reinforcement Bar	
D22	1719 kg
D19	0 kg
D16	4281 kg
D13	197 kg
Total	6197 kg

§5 Scaffolding

1. Scaffolding Under Main Girder

$$A = 12.750 \times 60.000 = 765.000 \text{ m}^3$$

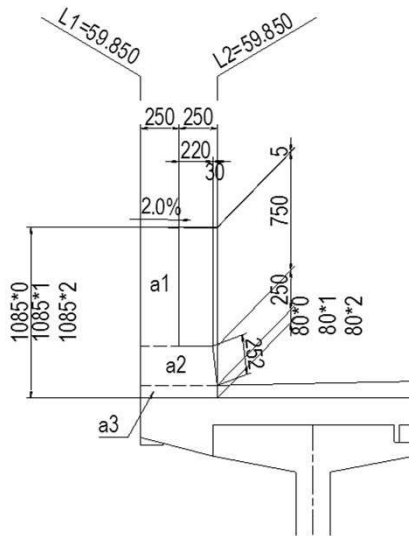
2. Side Scaffolding

$$L = 30.000 \times 2 = 60.000 \text{ m}$$

§6 Bridge Surface

6-1. Kurb and Barrier

1. Left Side Barrier



• Calculation of Cross Section Area

$$\begin{aligned} a1 &= 0.1881 \text{ m}^2 \\ a2 &= 0.1213 \text{ m}^2 \\ a3 &= 0.0400 \text{ m}^2 \\ (a3) &= 0.0400 \text{ m}^2 \\ \{a3\} &= 0.0400 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \Sigma a &= 0.3494 \text{ m}^2 \\ (\Sigma a) &= 0.3494 \text{ m}^2 \\ \{\Sigma a\} &= 0.3494 \text{ m}^2 \end{aligned}$$

• Calculation of Perimeter of Form

$$i1 = 2.167 \text{ m}$$

• Calculation of Average Length of Kurb

$$\begin{aligned} LI &= 1/2 \times (L1 + L2) \\ &= 59.850 \text{ m} \end{aligned}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Kurb at Starting Point Side

*2...Dimensions of Kurb at End Point Side

Angle of Start Point $\theta1 = 90.000000$

Angle of End Point $\theta2 = 90.000000$

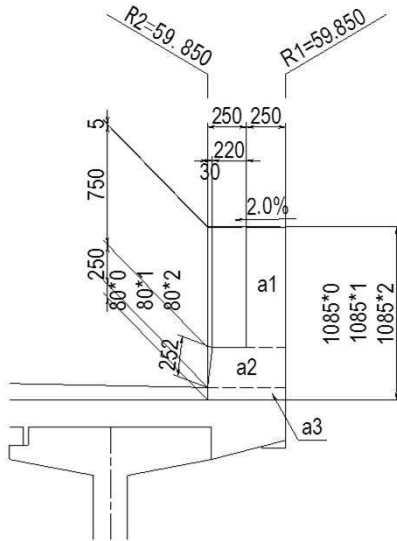
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj1 = \Sigma a \times LI = 0.3494 \times 59.850 = 20.912 \text{ m}^3$$

2) Form Area

$$\begin{aligned} Aj1 &= i1 \times LI + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2) \\ &= 2.167 \times 59.850 + 0.3494 \times 1.000000 + 0.3494 \\ &\quad \times 1.000000 = 130.394 \text{ m}^2 \end{aligned}$$

2. Right Side Barrier



Calculation of Cross Section Area

$$\begin{aligned}
 a1 &= 0.1881 \text{ m}^2 \\
 a2 &= 0.1213 \text{ m}^2 \\
 a3 &= 0.0400 \text{ m}^2 \\
 (a3) &= 0.0400 \text{ m}^2 \\
 \{a3\} &= 0.0400 \text{ m}^2 \\
 \hline
 \Sigma a &= 0.3494 \text{ m}^2 \\
 (\Sigma a) &= 0.3494 \text{ m}^2 \\
 \{\Sigma a\} &= 0.3494 \text{ m}^2
 \end{aligned}$$

Calculation of Perimeter of Form

$$i1 = 2.167 \text{ m}$$

Calculation of Average Length of Karb

$$\begin{aligned}
 Lr &= 1/2 \times (R1 + R2) \\
 &= 59.850 \text{ m}
 \end{aligned}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Karb at Starting Point Side

*2...Dimensions of Karb at End Point Side

$$\text{Angle of Start Point } \theta1 = 90.000000$$

$$\text{Angle of End Point } \theta2 = 90.000000$$

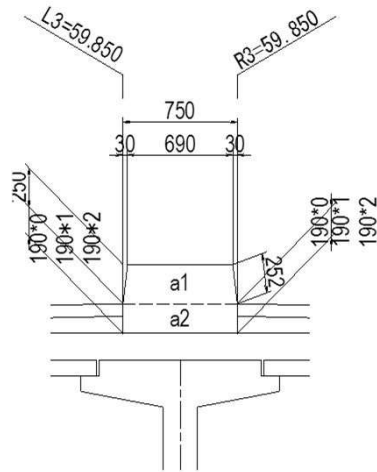
1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj2 = \Sigma a \times Lr = 0.3494 \times 59.850 = 20.912 \text{ m}^3$$

2) Form Area

$$\begin{aligned}
 Aj2 &= i2 \times Lr + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2) \\
 &= 2.167 \times 59.850 + 0.3494 \times 1.000000 + 0.3494 \\
 &\quad \times 1.000000 = 130.394 \text{ m}^2
 \end{aligned}$$

3. Median



Calculation of Cross Section Area

$$a1 = 0.1800 \text{ m}^2$$

$$a2 = 0.1425 \text{ m}^2$$

$$(a2) = 0.1425 \text{ m}^2$$

$$\{a2\} = 0.1425 \text{ m}^2$$

$$\Sigma a = 0.3225 \text{ m}^2$$

$$(\Sigma a) = 0.3225 \text{ m}^2$$

$$\{\Sigma a\} = 0.3225 \text{ m}^2$$

Calculation of Perimeter of Form

$$i1 = 0.884 \text{ m}$$

Calculation of Average Length of Kurb

$$Lr = 1/2 \times (L3 + R3)$$

$$= 59.850 \text{ m}$$

But, *0...Mean Value of Bridge Section

*1...Dimensions of Kurb at Starting Point Side

*2...Dimensions of Kurb at End Point Side

$$\text{Angle of Start Point } \theta1 = 90.000000$$

$$\text{Angle of End Point } \theta2 = 90.000000$$

1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$Vj3 = \Sigma a \times Lr = 0.3225 \times 59.850 = 19.302 \text{ m}^3$$

2) Form Area

$$Aj3 = i2 \times Lr + (\Sigma a) \times (1 / \sin \theta1) + \{\Sigma a\} \times (1 / \sin \theta2)$$

$$= 0.884 \times 59.850 + 0.3225 \times 1.000000 + 0.3225$$

$$\times 1.000000 = 53.552 \text{ m}^2$$

4. Total Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$\Sigma Vj = Vj1 + Vj2 + Vj3$$

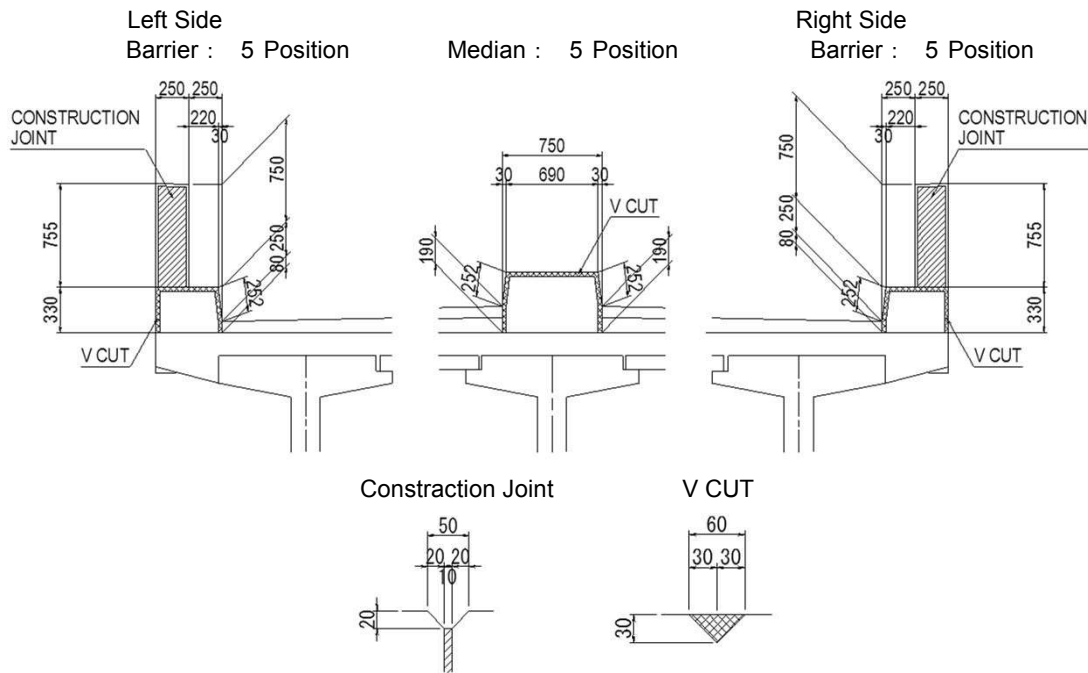
$$= 20.912 + 20.912 + 19.302 = 61.126 \text{ m}^3$$

5. Total Form Area

$$\Sigma Aj = Aj1 + Aj2 + Aj3$$

$$= 130.394 + 130.394 + 53.552 = 314.340 \text{ m}^2$$

6. Joint



1) Construction Joint ($t = 10 \text{ mm}$)

$$LA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$RA = \frac{1}{2} \times (0.730 + 0.735) \times 0.210 \times 5 = 0.769 \text{ m}^2$$

$$\Sigma A = 0.769 + 0.769 = 1.538 \text{ m}^2$$

2) V Cut

$$A = \frac{1}{2} \times 0.030 \times 0.060 = 0.0009 \text{ m}^2$$

$$L1 = (0.330 + 0.410 + 0.252 + 0.080) \times 5 = 5.360 \text{ m}$$

$$L2 = (0.190 + 0.252 \times 2 + 0.630 + 0.190) \times 5 = 7.570 \text{ m}$$

$$L3 = (0.330 + 0.410 + 0.252 + 0.080) \times 5 = 5.360 \text{ m}$$

$$\Sigma L = 5.360 + 7.570 + 5.360 = 18.290 \text{ m}$$

$$V = 0.0009 \times 18.290 \times 1000 = 16.461 \text{ l}$$

7. Reinforcement Bar

Specifiaction : SD345

Reinforcement Bar

	Barrier	Median	Total
D22	0 kg	0 kg	0 kg
D19	0 kg	0 kg	0 kg
D16	4456 kg	0 kg	4456 kg
D13	3298 kg	900 kg	4198 kg
TOTAL	7754 kg	900 kg	8654 kg

6-2. Pavement

1. Asphalt Pavement

• Carriageway (t = 80 mm)

$$As1 = (5.500 + 5.500) \times 59.850 = 658.350 \text{ m}^2$$

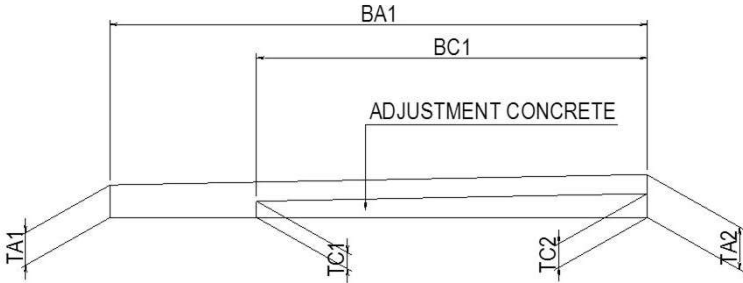
2. Adjustment Concrete ($\sigma_{ck} = 18 \text{ N/mm}^2$)

• Carriageway

$$As1 = 8.386 + 8.372 + 8.386 + 8.372 = 33.516 \text{ m}^2$$

REFERENCE CALCULATION OF CONCRETE VOLUME

Adjustment Concrete on Left Side
PF14-PF15 Span

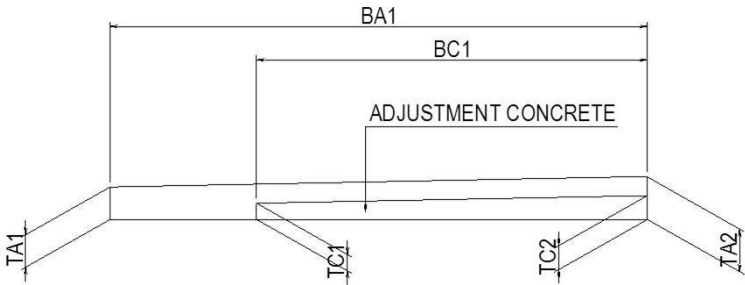


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF15
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	LEFT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	LEFT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500	0.100
Concrete	Vc	m ³		0.1400	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	0.1400	0.0280

Σ V = 8.386 m³

PF15-AF2 Span

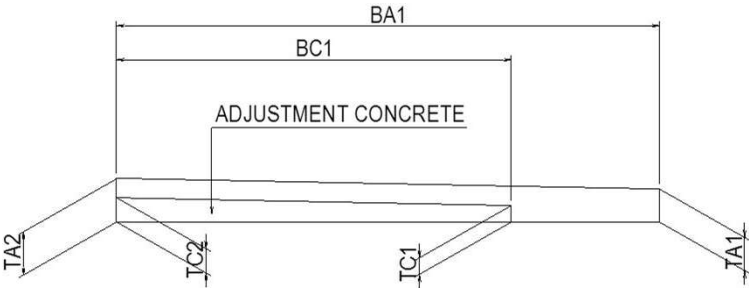


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF15	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	LEFT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	LEFT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400

Σ V = 8.372 m³

Adjustment Concrete on Right Side
 PF14-PF15 Span



Thickness of Surface Pavement

80mm

Thickness of Leveling Concrete min

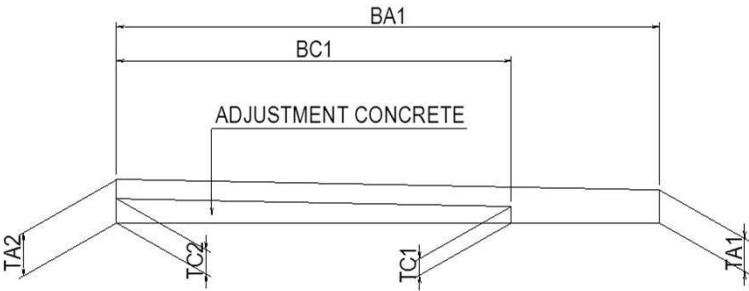
30mm

		UNIT	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF15
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	RIGHT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	RIGHT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.500	3.606	3.606	3.606	3.606	3.606	3.606	3.606	3.606	0.500	0.100
Concrete	Vc	m ³		0.1400	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	1.0098	0.1400	0.0280

Σ V =

8.386 m³

PF15-AF2 Span

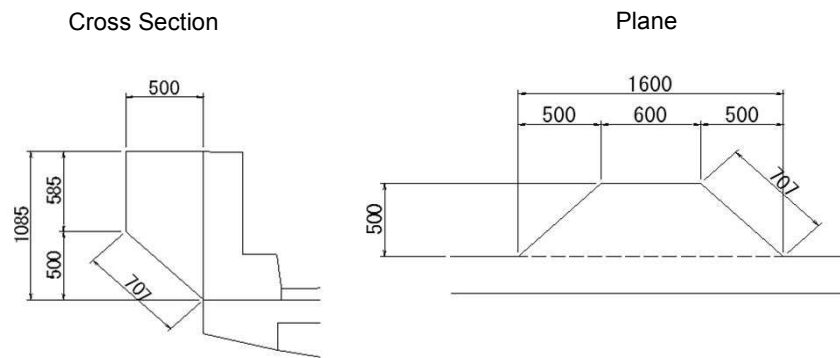


Thickness of Surface Pavement 80mm
Thickness of Leveling Concrete min 30mm

		UNIT	PF15	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4
Width	BA1	mm	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
Thickness of Pavement	TA1	mm	80	80	80	80	80	80	80	80	80	80	80	80
	TA2	mm	190	190	190	190	190	190	190	190	190	190	190	190
Difference in Height	RIGHT SIDE	mm	110	110	110	110	110	110	110	110	110	110	110	110
Slope	RIGHT SIDE	%	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
Placement Range	BC1	mm	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Thickness of Leveling Concrete	TC1	mm	30	30	30	30	30	30	30	30	30	30	30	30
	TC2	mm	110	110	110	110	110	110	110	110	110	110	110	110
Area	AC1	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
	ΣAC	m ²	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800	0.2800
Distance Between Section		m		0.100	0.500	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	0.500
Concrete	Vc	m ³		0.0280	0.1400	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	1.0080	0.1400

Σ V = 8.372 m³

§7 Foundation of Lighting Post



1) Concrete Volume ($\sigma_{ck} = 24 \text{ N/mm}^2$) (n = 1 nos)

Plane Area

$$a1 = \frac{1}{2} \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete Volume

$$V1 = 0.550 \times 0.585 = 0.322 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times \frac{1}{2} = 0.138 \text{ m}^3$$

$$V = 0.460 \text{ m}^3$$

$$\Sigma V = 0.460 \times 1 = 0.460 \text{ m}^3$$

2) Form Area (n = 1 nos)

Perimeter

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form Area

$$A1 = 2.014 \times (0.585 + 0.707) = 2.602 \text{ m}^2$$

$$\Sigma A = 2.602 \times 1 = 2.602 \text{ m}^2$$

3) Reinforcement Bar (n = 1 nos)

Specifiaction : SD345

D13 40 kg

$$\Sigma W = 40 \times 1 = 40 \text{ kg}$$

§8 Bearing

1. Rubber Bearing ($G_e = 1.0 \text{ N/mm}^2$)

PF14(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

PF15L(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

PF15R(F) 520 mm × 470 mm × 92 mm $n = 4$ Piece

AF2(M) 520 mm × 520 mm × 112 mm $n = 4$ Piece

2. Anti-Corrosion Anchor Systme (S35CN)

PF14(F) F 60 D L = 1220 mm $n = 6$ Set

$$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ SET} = 162.50 \text{ kg}$$

PF15L(F) F 90 D L = 1820 mm $n = 3$ Set

$$W = 49.90 \text{ kg/m} \times 1.820 \text{ m} \times 3 \text{ SET} = 272.45 \text{ kg}$$

PF15R(F) F 90 D L = 1820 mm $n = 3$ SET

$$W = 49.90 \text{ kg/m} \times 1.820 \text{ m} \times 3 \text{ SET} = 272.45 \text{ kg}$$

AF2(M) M 60 D L = 1220 mm $n = 6$ Set

$$W = 22.20 \text{ kg/m} \times 1.220 \text{ m} \times 6 \text{ SET} = 162.50 \text{ kg}$$

3. Anti-Corrosion Material (CR Sponge)

PF14(F) 200 mm × 200 mm × 20 mm $n = 6$ Piece

PF15L(F) 200 mm × 200 mm × 20 mm $n = 3$ Piece

PF15R(F) 200 mm × 200 mm × 20 mm $n = 3$ Piece

AF2(M) 200 mm × 300 mm × 20 mm $n = 6$ Piece

4. Reinforcement Bar (SD345)

PF14(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF15L(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

PF15R(F) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 10 + 0.550 \times 12) \times 4 = 28.22 \text{ kg}$$

AF2(M) D 10 × 50 mm × 50 mm n = 4 Position

$$W = 0.560 \times (0.600 \times 12 + 0.600 \times 12) \times 4 = 32.26 \text{ kg}$$

5. Bed Mortar for Bearing (Non-Shrinkage Mortar)

$$\begin{aligned} \text{PF14(F)} \quad V &= \{ (0.62 + 0.72) \times 1/2 \times (0.57 + 0.67) \times 1/2 \times 0.049 + 0.72 \times 0.67 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.120 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF15L(F)} \quad V &= \{ (0.62 + 0.71) \times 1/2 \times (0.57 + 0.66) \times 1/2 \times 0.046 + 0.71 \times 0.66 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.113 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF15R(F)} \quad V &= \{ (0.62 + 0.70) \times 1/2 \times (0.57 + 0.65) \times 1/2 \times 0.040 + 0.70 \times 0.65 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.101 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{AF2(M)} \quad V &= \{ (0.62 + 0.71) \times 1/2 \times (0.62 + 0.71) \times 1/2 \times 0.046 + 0.71 \times 0.71 \times 0.020 \} \\ &\times 4 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

6. Mortar for Anchor Halls (Non-Shrinkage Mortar)

$$\begin{aligned} \text{PF14(F)} \quad V &= (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \\ &\times 0.600) \times 6 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF15L(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 1.000 - 1/4 \times \pi \times 0.090^2 \\ &\times 0.900) \times 3 \text{ Position} = 0.130 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{PF15R(F)} \quad V &= (1/4 \times \pi \times 0.250^2 \times 1.000 - 1/4 \times \pi \times 0.090^2 \\ &\times 0.900) \times 3 \text{ Position} = 0.130 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{AF2(M)} \quad V &= (1/4 \times \pi \times 0.200^2 \times 0.700 - 1/4 \times \pi \times 0.060^2 \\ &\times 0.600) \times 6 \text{ Position} = 0.122 \text{ m}^3 \end{aligned}$$

02-STEEL BRIDGE

02-1-STEEL BOX GIRDER BRIDGE

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1. Quantity list

1.1 Calculation of element

Counting element				Unit	Main construction			Total	
					Bridge	Bridge fall preventio	Drainage		
Main construction and appendage	Other than the following	Large member	Number	piece	379			379	
			Weight ※1	kg	446,910			446,910	
		Small member	Number	piece	7,650	0		7,650	
			Weight ※2	kg	289,476	0	1,133	290,609	
		Number of membe ※5			piece	211			211
	Sway bracing	Weight of process ※3		kg	0			0	
		Number of membe	Shaped steel truss structure ※6	piece	0			0	
			Steel plate truss structure ※7	piece	0			0	
	Lateral bracing	Weight of process ※4		kg	0			0	
		Number of membe	Shaped steel structure ※8	piece	0			0	
				Steel plate structure ※9	piece	0			0
	Weight of processed steel			※1+※2+※3+※4 計	kg	736,386	0	1,133	737,519
				570K equilant	kg	0	0	0	0
	Number of members			※5+※6+※7+※8+※9	piece	211			211
	Extension of welded joint-plate				m	0			0
Extension of large welded T-joint				m	4,029			4,029	

1.2 Steel material

[Unit:kg]

Shape	Quality	Size	Main construction								Standard	Design weight (t)
			Bridge body mechanic						Superstructure	Main body meter		
			Girder	Cross beam	Bracket	Outside stringer	Inner stringer	Inner stringer	Drainage			
PL	SM490YB	39	6,159					6,159		6,159	38<t≤40	6.159
		36	16,298					16,298		16,298	35<t≤38	16.298
		34	9,492					9,492		9,492	30<t≤35	23.821
		32	9,459					9,459		9,459		
		31	4,870					4,870		4,870	25<t≤30	19.045
		29	4,518					4,518		4,518		
		28	2,032					2,032		2,032		
		27	4,159					4,159		4,159		
		26	8,336					8,336		8,336	t≤25	169.528
		25	12,432					12,432		12,432		
		24	4,242					4,242		4,242		
		22	60,395					60,395		60,395		
		21	5,819					5,819		5,819		
		20	9,491					9,491		9,491		
		19	42,198					42,198		42,198		
		18	30,161					30,161		30,161		
		17	4,790					4,790		4,790		
	Subtotal		234,851					234,851		234,851		
PL	SM490YA	16	62,957					62,957		62,957	t≤25	326.497
		15	10,263					10,263		10,263		
		14	65,984					65,984		65,984		
		13	5,857					5,857		5,857		
		12	119,516					119,516		119,516		
		11	19,473					19,473		19,473		
		10	21,509					21,509		21,509		
		9	20,938					20,938		20,938		
	Subtotal		326,497					326,497		326,497		
PL	SM490C	59	678					678		678	50<t≤60	1.276
		52	598					598		598	45<t≤50	0.464
		50	242					242		242		
		46	222					222		222		
	Subtotal		1,740					1,740		1,740		
PL	SM490B	40	460					460		460	38<t≤40	0.460
		38	437					437		437	35<t≤38	0.437
		28	270					270		270	25<t≤30	0.270
	Subtotal		1,167					1,167		1,167		
PL	SM400A	31	30					30		30	30<t≤35	0.030
		30	89					89		89	25<t≤30	0.248
		29	57					57		57		
		26	102					102		102	t≤25	154.495
		24	48					48		48		
		22	376					376		376		
		20	408					408		408		
		19					11,689	11,689		11,689		
		16	124	512				636		636		
		14	3,089			17,392		20,481		20,481		
		12	17,993	4,650				22,643		22,643		
		10	7,290	3,515	2,442	299	11,143	24,689		24,689		
		9	38,909	13,219	4,272	15,367	725	72,492		72,492		
		8						106		106	106 765	
		6	74					74		74		
		4.5	88					88		88		
	Subtotal		68,677	21,896	6,714	33,058	23,557	153,902	871	154,773		
PL	SS400	22					1,091	1,091		1,091	12≤t≤25	3.909
		18	72					72		72		
		17	246					246		246		
		16	252					252		252		
		15	69					69		69	6≤t<12	12.190
		14	138				736	874		874		
		13	60					60		60		
		12	93			384	768	1,245		1,245		
		11	28	104				132		132	3≤t<6	0.433
		10	96					224		224		
		9	266	6,521	3,648	128		11,324		11,324		
		8	148			889		148		148		
		7	122					122		122	1.6≤t<3	0.432
		6	240					240		240		
		4.5	204					204		204		
		3.2	229					229		229		
		2.3	432					432		432		
	Subtotal		2,695	6,625	3,648	1,401	2,595	16,964		16,964		
L	SS400	40 x 40 x 3.0	44					44		44	L 40 x 40 x 3.0 SS400	0.044
FB	SS400	100 x 6.0							262	262	FB 100 x 6.0 SS400	0.262
RB	SS400	D 16	730	4	4	347	128	1,213		1,213	RB D 16 SS400	1.213
		D 13	4					4		4	RB D 13 SS400	0.004
Subtotal			734	4	4	347	128	1,217		1,217		
	Subtotal		3,473	6,629	3,652	1,748	2,723	18,225	262	18,487		
SP5	SUS304	20A	4					4		4	SP5 20A SUS304	0.004
	Subtotal		4					4		4		
	Subtotal of steel		636,409	28,525	10,366	34,806	26,280	736,386	1,133	737,519	Subtotal of steel	737.519

Shape	Quality	Size	Main construction								Standard	Design weight (t)
			Bridge body mechanic						Superstructure Drainage	Main body meter		
			Girder	Cross beam	Bracket	Outside stringer	Inner stringer	Inner stringer				
B. N	SS400	M 16 x 110	1					1		1	B. N M 16 x 110 SS400	0. 001
		M 16 x 100	5					5		5	B. N M 16 x 100 SS400	0. 005
		M 16 x 95	2					2		2	B. N M 16 x 95 SS400	0. 002
		M 16 x 75	1					1		1	B. N M 16 x 75 SS400	0. 001
		M 16 x 70	2					2		2	B. N M 16 x 70 SS400	0. 002
		M 16 x 65	4					4		4	B. N M 16 x 65 SS400	0. 004
		M 16 x 60	16					16		16	B. N M 16 x 60 SS400	0. 016
		M 16 x 55	4					4		4	B. N M 16 x 55 SS400	0. 004
		M 16 x 50	9					9		9	B. N M 16 x 50 SS400	0. 009
		M 12 x 45							4	4	B. N M 12 x 45 SS400	0. 004
		M 12 x 40							106	106	B. N M 12 x 40 SS400	0. 106
Subtotal		44					44	110	154			
W	SS400	M 12						110	110	W M 12 SS400	0. 110	
	Subtotal		44				44	220	264			
TCB	S10T	M 22 x 120	204					204		204	TCB M 22 x 120 S10T	0. 204
		M 22 x 115	600					600		600	TCB M 22 x 115 S10T	0. 600
		M 22 x 105	998					998		998	TCB M 22 x 105 S10T	0. 998
		M 22 x 100	720					720		720	TCB M 22 x 100 S10T	0. 720
		M 22 x 95	1, 607					1, 607		1, 607	TCB M 22 x 95 S10T	1. 607
		M 22 x 90	1, 045					1, 045		1, 045	TCB M 22 x 90 S10T	1. 045
		M 22 x 85	176					176		176	TCB M 22 x 85 S10T	0. 176
		M 22 x 80	229				767	996		996	TCB M 22 x 80 S10T	0. 996
		M 22 x 75	2, 843	68			8	2, 919		2, 919	TCB M 22 x 75 S10T	2. 919
		M 22 x 70	5, 178			256	62	5, 496		5, 496	TCB M 22 x 70 S10T	5. 496
		M 22 x 65	3, 716	2, 773	1, 452	320		8, 261		8, 261	TCB M 22 x 65 S10T	8. 261
		M 22 x 55			132		224	356		356	TCB M 22 x 55 S10T	0. 356
Subtotal		17, 316	2, 841	1, 584	576	1, 061	23, 378		23, 378			
	Subtotal		17, 316	2, 841	1, 584	576	1, 061	23, 378		23, 378		
B. N	SUS304	M 16 x 40	4					4		4	B. N M 16 x 40 SUS304	0. 004
WPIN	SUS304	5. 0 x 36	4					4		4	WPIN 5. 0 x 36 SUS304	0. 004
	Subtotal		8					8		8		
Subtotal of purchased part			17, 368	2, 841	1, 584	576	1, 061	23, 430	220	23, 650	Subtotal of purchased part	23. 650
Total			653, 777	31, 366	11, 950	35, 382	27, 341	759, 816	1, 353	761, 169	Total	761. 169

Shape name	
PL	Plate
CHPL	Applied plate
DECK	Deck plate
EX	Expanded metal
L	equilateral/unequal angle steel
LL	Unequal angle steel with unequal thickness
CT	CT-shaped steel
CH	Channel-shaped steel
H	H-shaped steel
I	I-shaped steel
U	U-shaped steel(The dimensions are names)
BULB	Bulb plate
FB	Flat bar
RB	Round bar
DB	Deformed bar
HRB	Half-round bar
SB	Square bar
6B	Hexagonal bar
LC	Light channel-shaped steel
LZ	Light Z-shaped steel
LA	Light angle steel
LRC	Lip channel-shaped steel
LRZ	Lip Z-shaped steel
LH	Hat steel
LSP	Square steel pipe
STK	Ordinary structural carbon steel pipe
STPY	Arc welding carbon steel pipe for piping
SGP	Carbon steel pipe for piping(The dimensions are names)
PIPE	Steel pipe for piping
SP5	Stainless steel pipe for piping(5S)
SP10	Stainless steel pipe for piping(10S)
HTB	Hexagon head bolt for high-strength structural bolting
TCB	Torshear type high strength bolt
HTBF	Driving high strength bolt(flat head)
HTBR	Driving high strength bol(round head)
B. N	Normal hexagon headed bolt set (1-nut、1-bolt)
B. UN	Hexagon headed bolt and lock nut set (1-lock nut、1-bolt)
BLT	Normal hexagon headed bolt
W	Washer
SW	Spring-washer
TW	Taper washer
RH	Roundhead rivet
WPIN	Split pin(The dimensions are names)
NUT	Hexagon nut (1 type)
NUT3	Hexagon nut (3 type)
UNUT	U nut
HLN	Hardlock nut
UBA	U bolt(TYPE-A)
UBB	U bolt(TYPE-B)
UBC	U bolt(TYPE-C)
STUD	Stud dowel
STUG	Cast-in-place stud dowel
TAP	Tap bolt (machine screw)
A. N	Driving anchor bolt (Sleeve driving type)
A. N2	Driving anchor bolt (Bolt driving type)
S. BT	Stud bolt
PIN	Pin
CHAN	Chain
MASU	Drainage basin
LL45	Steel pipe elbow 4 5° long
LS90	Steel pipe elbow 9 0° short
LL90	Steel pipe elbow 9 0° long
RC	Reducer
FJ10	Flange joint S=10K
FJ5	Flange joint S=5K
HNUT	Nut for high strength bolt
S. N	Machine screw
PBT	Flat head bolt
T-NT	High nut
ST. 2	Stud dowel(with screw)
SP10	Stainless steel pipe for piping(10S)

1.3 Number of bolt

[Unit:set]

Shape	Quality	Size	Main construction								The sum total
			Bridge body mechanic						Superstructure drainage	Main body meter	
			Girder	Cross beam	Bracket	Outside stringer	Inner stringer	Inner stringer			
B. N	SS400	M 16 x 110	6					6		6	6
		M 16 x 100	30					30		30	30
		M 16 x 95	12					12		12	12
		M 16 x 75	6					6		6	6
		M 16 x 70	12					12		12	12
		M 16 x 65	24					24		24	24
		M 16 x 60	96					96		96	96
		M 16 x 55	24					24		24	24
		M 16 x 50	54					54		54	54
		M 12 x 45							16	16	16
		M 12 x 40							764	764	764
Subtotal		264					264	780	1,044	1,044	
W	SS400	M 12						1,560	1,560	1,560	
Subtotal		264					264	2,340	2,604	2,604	
TCB	S10T	M 22 x 120	304					304		304	304
		M 22 x 115	912					912		912	912
		M 22 x 105	1,596					1,596		1,596	1,596
		M 22 x 100	1,178					1,178		1,178	1,178
		M 22 x 95	2,680					2,680		2,680	2,680
		M 22 x 90	1,792					1,792		1,792	1,792
		M 22 x 85	312					312		312	312
		M 22 x 80	416				512	928		928	928
		M 22 x 75	5,298	128			16	5,442		5,442	5,442
		M 22 x 70	9,960			512	1,020	11,492		11,492	11,492
		M 22 x 65	7,328	5,480	2,904	640		16,352		16,352	16,352
		M 22 x 55			330		448	778		778	778
Subtotal		31,776	5,608	3,234	1,152	1,996	43,766		43,766	43,766	
Subtotal		31,776	5,608	3,234	1,152	1,996	43,766		43,766	43,766	
B. N	SUS304	M 16 x 40	16					16		16	
WPIN	SUS304	5.0 x 36	8					8		8	
Subtotal		24					24		24	24	
Subtotal of purchased part			32,064	5,608	3,234	1,152	1,996	44,054	2,340	46,394	46,394
Total			32,064	5,608	3,234	1,152	1,996	44,054	2,340	46,394	46,394

1.4 Quantity of block

Name	Set	S	W (Kg)	Weight (Kg)	Number
G1 BLK 1	1		11,427	11,427	12
G1 BLK 2	1		11,751	11,751	6
G1 BLK 3	1		12,067	12,067	6
G1 BLK 4	1		11,724	11,724	6
G1 BLK 5	1		11,081	11,081	6
G1 BLK 6	1		13,349	13,349	6
G1 BLK 7	1		21,172	21,172	6
G1 BLK 8	1		15,019	15,019	6
G1 BLK 9	1		11,508	11,508	6
G1 BLK 10	1		10,490	10,490	6
G1 BLK 11	1		10,483	10,483	6
G1 BLK 12	1		10,638	10,638	6
G1 BLK 13	1		10,453	10,453	6
G1 BLK 14	1		10,446	10,446	6
G1 BLK 15	1		11,603	11,603	6
G1 BLK 16	1		15,188	15,188	6
G1 BLK 17	1		21,615	21,615	6
G1 BLK 18	1		13,555	13,555	6
G1 BLK 19	1		10,970	10,970	6
G1 BLK 20	1		11,289	11,289	6
G1 BLK 21	1		11,624	11,624	6
G1 BLK 22	1		10,975	10,975	6
G1 BLK 23	1		11,102	11,102	6
G1 HANG 1	1		1,018	1,018	
G1 DRAIN 1	22		4	88	
G1 CSPL 1	1		1,082	1,082	586
G1 CSPL 2	1		1,249	1,249	694
G1 CSPL 3	1		1,274	1,274	704
G1 CSPL 4	1		1,162	1,162	618
G1 CSPL 5	1		1,256	1,256	636
G1 CSPL 6	1		1,700	1,700	846
G1 CSPL 7	1		2,648	2,648	1,132
G1 CSPL 8	1		1,413	1,413	720
G1 CSPL 9	1		1,243	1,243	656
G1 CSPL 10	1		1,139	1,139	624
G1 CSPL 11	1		1,238	1,238	678
G1 CSPL 12	1		1,240	1,240	678
G1 CSPL 13	1		1,139	1,139	624
G1 CSPL 14	1		1,244	1,244	656
G1 CSPL 15	1		1,369	1,369	700
G1 CSPL 16	1		2,674	2,674	1,132
G1 CSPL 17	1		1,879	1,879	892
G1 CSPL 18	1		1,258	1,258	636
G1 CSPL 19	1		1,139	1,139	614
G1 CSPL 20	1		1,235	1,235	694
G1 CSPL 21	1		1,158	1,158	652
G1 CSPL 22	1		1,062	1,062	586
G2 BLK 1	1		11,325	11,325	12
G2 BLK 2	1		11,339	11,339	6
G2 BLK 3	1		11,682	11,682	6
G2 BLK 4	1		11,362	11,362	6
G2 BLK 5	1		11,037	11,037	6
G2 BLK 6	1		13,811	13,811	6
G2 BLK 7	1		22,381	22,381	6
G2 BLK 8	1		15,517	15,517	6
G2 BLK 9	1		11,884	11,884	6
G2 BLK 10	1		10,718	10,718	6
G2 BLK 11	1		11,035	11,035	6

Name	Set	S	W (Kg)	Weight (Kg)	Number
G2 BLK 12	1		11,216	11,216	6
G2 BLK 13	1		11,073	11,073	6
G2 BLK 14	1		10,916	10,916	6
G2 BLK 15	1		12,114	12,114	6
G2 BLK 16	1		16,183	16,183	6
G2 BLK 17	1		23,046	23,046	6
G2 BLK 18	1		14,075	14,075	6
G2 BLK 19	1		11,164	11,164	6
G2 BLK 20	1		11,983	11,983	6
G2 BLK 21	1		12,313	12,313	6
G2 BLK 22	1		11,981	11,981	6
G2 BLK 23	1		11,437	11,437	6
G2 HANG 1	1		1,018	1,018	
G2 DRAIN 1	22		4	88	
G2 CSPL 1	1		1,071	1,071	586
G2 CSPL 2	1		1,244	1,244	694
G2 CSPL 3	1		1,256	1,256	698
G2 CSPL 4	1		1,093	1,093	596
G2 CSPL 5	1		1,213	1,213	616
G2 CSPL 6	1		1,788	1,788	846
G2 CSPL 7	1		2,821	2,821	1,184
G2 CSPL 8	1		1,430	1,430	720
G2 CSPL 9	1		1,246	1,246	656
G2 CSPL 10	1		1,172	1,172	632
G2 CSPL 11	1		1,372	1,372	750
G2 CSPL 12	1		1,372	1,372	750
G2 CSPL 13	1		1,146	1,146	624
G2 CSPL 14	1		1,245	1,245	656
G2 CSPL 15	1		1,440	1,440	720
G2 CSPL 16	1		2,829	2,829	1,184
G2 CSPL 17	1		1,918	1,918	892
G2 CSPL 18	1		1,220	1,220	616
G2 CSPL 19	1		1,117	1,117	600
G2 CSPL 20	1		1,291	1,291	708
G2 CSPL 21	1		1,279	1,279	704
G2 CSPL 22	1		1,080	1,080	586
GIRDER	M. Total	1	653,777	653,777	32,064
CB1 BLK 1	1		1,119	1,119	200
CB1 BLK 2	1		1,118	1,118	200
CB1 BLK 3	1		940	940	168
CB1 BLK 4	1		939	939	168
CB1 BLK 5	1		938	938	168
CB1 BLK 6	1		938	938	168
CB1 BLK 7	1		941	941	168
CB1 BLK 8	1		939	939	168
CB1 BLK 9	1		938	938	168
CB1 BLK 10	1		941	941	168
CB1 BLK 11	1		938	938	168
CB1 BLK 12	1		941	941	168
CB1 BLK 13	1		938	938	168
CB1 BLK 14	1		939	939	168
CB1 BLK 15	1		942	942	168
CB1 BLK 16	1		939	939	168
CB1 BLK 17	1		941	941	168
CB1 BLK 18	1		938	938	168
CB1 BLK 19	1		940	940	168
CB1 BLK 20	1		940	940	168
CB1 BLK 21	1		940	940	168

Name		Set	S W (Kg)	Weight (Kg)	Number
	CB1 BLK 22	1	940	940	168
	CB1 BLK 23	1	940	940	168
	CB1 BLK 24	1	940	940	168
	CB1 BLK 25	1	940	940	168
	CB1 BLK 26	1	940	940	168
	CB1 BLK 27	1	940	940	168
	CB1 BLK 28	1	940	940	168
	CB1 BLK 29	1	940	940	168
	CB1 BLK 30	1	940	940	168
	CB1 BLK 31	1	940	940	168
	CB1 BLK 32	1	939	939	168
	CB1 BLK 33	1	940	940	168
CROSSBEAM	M. Total	1	31,366	31,366	5,608
	BR1 BLK 1	1	183	183	49
	BR1 BLK 2	1	180	180	49
	BR1 BLK 3	1	181	181	49
	BR1 BLK 4	1	181	181	49
	BR1 BLK 5	1	181	181	49
	BR1 BLK 6	1	181	181	49
	BR1 BLK 7	1	181	181	49
	BR1 BLK 8	1	180	180	49
	BR1 BLK 9	1	180	180	49
	BR1 BLK 10	1	179	179	49
	BR1 BLK 11	1	179	179	49
	BR1 BLK 12	1	179	179	49
	BR1 BLK 13	1	179	179	49
	BR1 BLK 14	1	179	179	49
	BR1 BLK 15	1	179	179	49
	BR1 BLK 16	1	179	179	49
	BR1 BLK 17	1	179	179	49
	BR1 BLK 18	1	179	179	49
	BR1 BLK 19	1	179	179	49
	BR1 BLK 20	1	179	179	49
	BR1 BLK 21	1	179	179	49
	BR1 BLK 22	1	179	179	49
	BR1 BLK 23	1	179	179	49
	BR1 BLK 24	1	179	179	49
	BR1 BLK 25	1	179	179	49
	BR1 BLK 26	1	179	179	49
	BR1 BLK 27	1	179	179	49
	BR1 BLK 28	1	179	179	49
	BR1 BLK 29	1	179	179	49
	BR1 BLK 30	1	179	179	49
	BR1 BLK 31	1	179	179	49
	BR1 BLK 32	1	179	179	49
	BR1 BLK 33	1	179	179	49
	BR2 BLK 1	1	180	180	49
	BR2 BLK 2	1	186	186	49
	BR2 BLK 3	1	179	179	49
	BR2 BLK 4	1	179	179	49
	BR2 BLK 5	1	179	179	49
	BR2 BLK 6	1	179	179	49
	BR2 BLK 7	1	179	179	49
	BR2 BLK 8	1	179	179	49
	BR2 BLK 9	1	179	179	49
	BR2 BLK 10	1	179	179	49
	BR2 BLK 11	1	180	180	49
	BR2 BLK 12	1	181	181	49

Name		Set	S	W (Kg)	Weight (Kg)	Number
	BR2 BLK 13	1		181	181	49
	BR2 BLK 14	1		181	181	49
	BR2 BLK 15	1		182	182	49
	BR2 BLK 16	1		184	184	49
	BR2 BLK 17	1		184	184	49
	BR2 BLK 18	1		185	185	49
	BR2 BLK 19	1		185	185	49
	BR2 BLK 20	1		185	185	49
	BR2 BLK 21	1		185	185	49
	BR2 BLK 22	1		185	185	49
	BR2 BLK 23	1		185	185	49
	BR2 BLK 24	1		185	185	49
	BR2 BLK 25	1		185	185	49
	BR2 BLK 26	1		185	185	49
	BR2 BLK 27	1		185	185	49
	BR2 BLK 28	1		185	185	49
	BR2 BLK 29	1		185	185	49
	BR2 BLK 30	1		185	185	49
	BR2 BLK 31	1		185	185	49
	BR2 BLK 32	1		180	180	49
	BR2 BLK 33	1		185	185	49
BRACKET	M. Total	1		11,950	11,950	3,234
	OST1 BLK 1	1		1,042	1,042	36
	OST1 BLK 2	1		1,073	1,073	36
	OST1 BLK 3	1		1,072	1,072	36
	OST1 BLK 4	1		1,068	1,068	36
	OST1 BLK 5	1		1,046	1,046	36
	OST1 BLK 6	1		1,130	1,130	36
	OST1 BLK 7	1		1,134	1,134	36
	OST1 BLK 8	1		1,130	1,130	36
	OST1 BLK 9	1		1,126	1,126	36
	OST1 BLK 10	1		1,125	1,125	36
	OST1 BLK 11	1		1,115	1,115	36
	OST1 BLK 12	1		1,035	1,035	36
	OST1 BLK 13	1		1,053	1,053	36
	OST1 BLK 14	1		1,052	1,052	36
	OST1 BLK 15	1		1,052	1,052	36
	OST1 BLK 16	1		746	746	36
	OST1 BLK 17	1		457	457	
	OST1 HANG 1	1		85	85	
	OST2 BLK 1	1		1,019	1,019	36
	OST2 BLK 2	1		1,062	1,062	36
	OST2 BLK 3	1		1,065	1,065	36
	OST2 BLK 4	1		1,066	1,066	36
	OST2 BLK 5	1		1,050	1,050	36
	OST2 BLK 6	1		1,136	1,136	36
	OST2 BLK 7	1		1,150	1,150	36
	OST2 BLK 8	1		1,154	1,154	36
	OST2 BLK 9	1		1,158	1,158	36
	OST2 BLK 10	1		1,165	1,165	36
	OST2 BLK 11	1		1,155	1,155	36
	OST2 BLK 12	1		1,069	1,069	36
	OST2 BLK 13	1		1,088	1,088	36
	OST2 BLK 14	1		1,088	1,088	36
	OST2 BLK 15	1		1,088	1,088	36
	OST2 BLK 16	1		764	764	36
	OST2 BLK 17	1		479	479	
	OST2 HANG 1	1		85	85	

Name		Set	S	W (Kg)	Weight (Kg)	Number
OUTSIDE STRINGER	M. Total	1		35,382	35,382	1,152
STC-1		1		944	944	78
STC-2		5		830	4,150	310
STC-3		1		830	830	62
STC-4		1		830	830	62
STC-5		1		830	830	62
STC-6		1		804	804	62
STC-7		1		868	868	62
STC-8		1		882	882	62
STC-9		1		881	881	62
STC-10		1		881	881	62
STC-11		1		881	881	62
STC-12		1		881	881	62
STC-13		1		881	881	62
STC-14		1		881	881	62
STC-15		1		881	881	62
STC-16		1		880	880	62
STC-17		1		879	879	62
STC-18		1		867	867	62
STC-19		1		804	804	62
STC-20		1		828	828	62
STC-21		1		828	828	62
STC-22		1		828	828	62
STC-23		1		828	828	62
STC-24		1		828	828	62
STC-25		1		828	828	62
STC-26		2		828	1,656	124
STC-27		1		878	878	58
STC HANG 1		1		104	104	
INSIDE STRINGER	M. Total	1		27,341	27,341	1,996
MAIN STRUCTURE	Subtotal	1		759,816	759,816	44,054
SUPPOT B1		85		14	1,190	2,040
SUPPOT S1		4		11	44	96
SUPPOT S2		17		7	119	204
DRAINAGE	M. Total	1		1,353	1,353	2,340
ACCESSORY	Subtotal	1		1,353	1,353	2,340
ACCOUNT	Subtotal	1		761,169	761,169	46,394
—	Subtotal	1		761,169	761,169	46,394
—	Total	1		761,169	761,169	46,394

1.5 Calculation of block

Name	Set	Large	Large	Small	Small	Number	Whole	SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)
G1 BLK 1	1	4	6,792	98	4,632	1	11,424	0
G1 BLK 2	1	4	8,727	57	3,023	1	11,750	0
G1 BLK 3	1	4	8,717	69	3,349	1	12,066	0
G1 BLK 4	1	4	8,707	56	3,016	1	11,723	0
G1 BLK 5	1	4	6,986	80	4,094	1	11,080	0
G1 BLK 6	1	4	9,292	57	4,056	1	13,348	0
G1 BLK 7	1	4	13,794	92	7,377	1	21,171	0
G1 BLK 8	1	4	11,658	50	3,360	1	15,018	0
G1 BLK 9	1	4	7,577	57	3,930	1	11,507	0
G1 BLK 10	1	4	6,345	72	4,144	1	10,489	0
G1 BLK 11	1	4	7,311	50	3,171	1	10,482	0
G1 BLK 12	1	4	7,301	54	3,336	1	10,637	0
G1 BLK 13	1	4	7,290	50	3,162	1	10,452	0
G1 BLK 14	1	4	6,310	72	4,135	1	10,445	0
G1 BLK 15	1	4	7,686	57	3,916	1	11,602	0
G1 BLK 16	1	4	11,840	50	3,347	1	15,187	0
G1 BLK 17	1	4	14,440	90	7,174	1	21,614	0
G1 BLK 18	1	4	9,519	57	4,035	1	13,554	0
G1 BLK 19	1	4	6,890	80	4,079	1	10,969	0
G1 BLK 20	1	4	8,289	56	2,999	1	11,288	0
G1 BLK 21	1	4	8,287	69	3,336	1	11,623	0
G1 BLK 22	1	4	7,975	56	2,999	1	10,974	0
G1 BLK 23	1	4	6,662	86	4,438	1	11,100	0
G1 HANG 1	1	0	0	0	1,018	0	1,018	0
G1 DRAIN 1	22	0	0	66	88	0	88	0
G1 CSPL 1	1	0	0	42	775	0	775	0
G1 CSPL 2	1	0	0	33	884	0	884	0
G1 CSPL 3	1	0	0	33	903	0	903	0
G1 CSPL 4	1	0	0	42	835	0	835	0
G1 CSPL 5	1	0	0	63	912	0	912	0
G1 CSPL 6	1	0	0	48	1,231	0	1,231	0
G1 CSPL 7	1	0	0	41	1,982	0	1,982	0
G1 CSPL 8	1	0	0	41	1,020	0	1,020	0
G1 CSPL 9	1	0	0	52	886	0	886	0
G1 CSPL 10	1	0	0	42	809	0	809	0
G1 CSPL 11	1	0	0	33	876	0	876	0
G1 CSPL 12	1	0	0	33	878	0	878	0
G1 CSPL 13	1	0	0	42	809	0	809	0
G1 CSPL 14	1	0	0	52	887	0	887	0
G1 CSPL 15	1	0	0	41	988	0	988	0
G1 CSPL 16	1	0	0	46	2,008	0	2,008	0
G1 CSPL 17	1	0	0	48	1,377	0	1,377	0
G1 CSPL 18	1	0	0	63	914	0	914	0
G1 CSPL 19	1	0	0	42	817	0	817	0
G1 CSPL 20	1	0	0	33	870	0	870	0
G1 CSPL 21	1	0	0	34	817	0	817	0
G1 CSPL 22	1	0	0	42	757	0	757	0
G2 BLK 1	1	4	6,689	98	4,633	1	11,322	0
G2 BLK 2	1	4	8,328	56	3,010	1	11,338	0
G2 BLK 3	1	4	8,337	69	3,344	1	11,681	0
G2 BLK 4	1	4	8,350	56	3,011	1	11,361	0
G2 BLK 5	1	4	6,945	80	4,091	1	11,036	0
G2 BLK 6	1	4	9,752	57	4,058	1	13,810	0
G2 BLK 7	1	4	14,909	92	7,471	1	22,380	0
G2 BLK 8	1	4	12,150	50	3,366	1	15,516	0
G2 BLK 9	1	4	7,930	57	3,953	1	11,883	0
G2 BLK 10	1	4	6,546	71	4,171	1	10,717	0

Name	Set	Large		Small		Whole		SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)	Number	Weight (Kg)	
G2 BLK 11		1	4	7,828	50	3,206	1	11,034
G2 BLK 12		1	4	7,837	54	3,378	1	11,215
G2 BLK 13		1	4	7,862	50	3,210	1	11,072
G2 BLK 14		1	4	6,722	72	4,193	1	10,915
G2 BLK 15		1	4	8,126	59	3,987	1	12,113
G2 BLK 16		1	4	12,784	51	3,398	1	16,182
G2 BLK 17		1	4	15,831	90	7,214	1	23,045
G2 BLK 18		1	4	10,348	61	3,726	1	14,074
G2 BLK 19		1	4	7,029	80	4,134	1	11,163
G2 BLK 20		1	4	8,934	58	3,048	1	11,982
G2 BLK 21		1	4	8,932	69	3,380	1	12,312
G2 BLK 22		1	4	8,932	58	3,048	1	11,980
G2 BLK 23		1	4	6,954	86	4,481	1	11,435
G2 HANG 1		1	0	0	0	1,018	0	1,018
G2 DRAIN 1	22	0	0	66	88	0	88	0
G2 CSPL 1		1	0	0	42	766	0	766
G2 CSPL 2		1	0	0	33	879	0	879
G2 CSPL 3		1	0	0	33	888	0	888
G2 CSPL 4		1	0	0	42	782	0	782
G2 CSPL 5		1	0	0	73	881	0	881
G2 CSPL 6		1	0	0	48	1,312	0	1,312
G2 CSPL 7		1	0	0	46	2,121	0	2,121
G2 CSPL 8		1	0	0	41	1,033	0	1,033
G2 CSPL 9		1	0	0	52	889	0	889
G2 CSPL 10		1	0	0	42	835	0	835
G2 CSPL 11		1	0	0	33	971	0	971
G2 CSPL 12		1	0	0	33	971	0	971
G2 CSPL 13		1	0	0	42	814	0	814
G2 CSPL 14		1	0	0	52	886	0	886
G2 CSPL 15		1	0	0	41	1,042	0	1,042
G2 CSPL 16		1	0	0	46	2,125	0	2,125
G2 CSPL 17		1	0	0	48	1,411	0	1,411
G2 CSPL 18		1	0	0	73	888	0	888
G2 CSPL 19		1	0	0	42	801	0	801
G2 CSPL 20		1	0	0	33	917	0	917
G2 CSPL 21		1	0	0	33	908	0	908
G2 CSPL 22		1	0	0	42	773	0	773
GIRDER	M. Tot	1	184	406,450	5,087	229,959	46	636,409
CB1 BLK 1		1	3	657	28	359	1	1,016
CB1 BLK 2		1	3	655	28	360	1	1,015
CB1 BLK 3		1	3	552	28	303	1	855
CB1 BLK 4		1	3	551	28	303	1	854
CB1 BLK 5		1	3	550	28	303	1	853
CB1 BLK 6		1	3	550	28	303	1	853
CB1 BLK 7		1	3	553	28	303	1	856
CB1 BLK 8		1	3	551	28	303	1	854
CB1 BLK 9		1	3	550	28	303	1	853
CB1 BLK 10		1	3	553	28	303	1	856
CB1 BLK 11		1	3	550	28	303	1	853
CB1 BLK 12		1	3	553	28	303	1	856
CB1 BLK 13		1	3	550	28	303	1	853
CB1 BLK 14		1	3	551	28	303	1	854
CB1 BLK 15		1	3	553	28	304	1	857
CB1 BLK 16		1	3	550	28	304	1	854
CB1 BLK 17		1	3	552	28	304	1	856
CB1 BLK 18		1	3	549	28	304	1	853
CB1 BLK 19		1	3	550	28	305	1	855

Name	Set	Large	Large	Small	Small	Number	Whole	SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)
CB1 BLK 20		1	3	550	28	305	1	855
CB1 BLK 21		1	3	550	28	305	1	855
CB1 BLK 22		1	3	550	28	305	1	855
CB1 BLK 23		1	3	550	28	305	1	855
CB1 BLK 24		1	3	550	28	305	1	855
CB1 BLK 25		1	3	550	28	305	1	855
CB1 BLK 26		1	3	550	28	305	1	855
CB1 BLK 27		1	3	550	28	305	1	855
CB1 BLK 28		1	3	550	28	305	1	855
CB1 BLK 29		1	3	550	28	305	1	855
CB1 BLK 30		1	3	550	28	305	1	855
CB1 BLK 31		1	3	550	28	305	1	855
CB1 BLK 32		1	3	551	28	303	1	854
CB1 BLK 33		1	3	550	28	305	1	855
CROSSBEAM	M. Tota	1	99	18,381	924	10,144	33	28,525
BR1 BLK 1		1	0	0	12	159	1	159
BR1 BLK 2		1	0	0	12	156	1	156
BR1 BLK 3		1	0	0	12	157	1	157
BR1 BLK 4		1	0	0	12	157	1	157
BR1 BLK 5		1	0	0	12	157	1	157
BR1 BLK 6		1	0	0	12	157	1	157
BR1 BLK 7		1	0	0	12	157	1	157
BR1 BLK 8		1	0	0	12	156	1	156
BR1 BLK 9		1	0	0	12	156	1	156
BR1 BLK 10		1	0	0	12	155	1	155
BR1 BLK 11		1	0	0	12	155	1	155
BR1 BLK 12		1	0	0	12	155	1	155
BR1 BLK 13		1	0	0	12	155	1	155
BR1 BLK 14		1	0	0	12	155	1	155
BR1 BLK 15		1	0	0	12	155	1	155
BR1 BLK 16		1	0	0	12	155	1	155
BR1 BLK 17		1	0	0	12	155	1	155
BR1 BLK 18		1	0	0	12	155	1	155
BR1 BLK 19		1	0	0	12	155	1	155
BR1 BLK 20		1	0	0	12	155	1	155
BR1 BLK 21		1	0	0	12	155	1	155
BR1 BLK 22		1	0	0	12	155	1	155
BR1 BLK 23		1	0	0	12	155	1	155
BR1 BLK 24		1	0	0	12	155	1	155
BR1 BLK 25		1	0	0	12	155	1	155
BR1 BLK 26		1	0	0	12	155	1	155
BR1 BLK 27		1	0	0	12	155	1	155
BR1 BLK 28		1	0	0	12	155	1	155
BR1 BLK 29		1	0	0	12	155	1	155
BR1 BLK 30		1	0	0	12	155	1	155
BR1 BLK 31		1	0	0	12	155	1	155
BR1 BLK 32		1	0	0	12	155	1	155
BR1 BLK 33		1	0	0	12	155	1	155
BR2 BLK 1		1	0	0	12	156	1	156
BR2 BLK 2		1	0	0	12	162	1	162
BR2 BLK 3		1	0	0	12	155	1	155
BR2 BLK 4		1	0	0	12	155	1	155
BR2 BLK 5		1	0	0	12	155	1	155
BR2 BLK 6		1	0	0	12	155	1	155
BR2 BLK 7		1	0	0	12	155	1	155
BR2 BLK 8		1	0	0	12	155	1	155
BR2 BLK 9		1	0	0	12	155	1	155

Name	Set	Large	Large	Small	Small	Number	Whole	SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)
BR2 BLK 10		1	0	0	12	155	1	155
BR2 BLK 11		1	0	0	12	156	1	156
BR2 BLK 12		1	0	0	12	157	1	157
BR2 BLK 13		1	0	0	12	157	1	157
BR2 BLK 14		1	0	0	12	157	1	157
BR2 BLK 15		1	0	0	12	158	1	158
BR2 BLK 16		1	0	0	12	160	1	160
BR2 BLK 17		1	0	0	12	160	1	160
BR2 BLK 18		1	0	0	12	161	1	161
BR2 BLK 19		1	0	0	12	161	1	161
BR2 BLK 20		1	0	0	12	161	1	161
BR2 BLK 21		1	0	0	12	161	1	161
BR2 BLK 22		1	0	0	12	161	1	161
BR2 BLK 23		1	0	0	12	161	1	161
BR2 BLK 24		1	0	0	12	161	1	161
BR2 BLK 25		1	0	0	12	161	1	161
BR2 BLK 26		1	0	0	12	161	1	161
BR2 BLK 27		1	0	0	12	161	1	161
BR2 BLK 28		1	0	0	12	161	1	161
BR2 BLK 29		1	0	0	12	161	1	161
BR2 BLK 30		1	0	0	12	161	1	161
BR2 BLK 31		1	0	0	12	161	1	161
BR2 BLK 32		1	0	0	12	156	1	156
BR2 BLK 33		1	0	0	12	161	1	161
BRACKET	M. Tota	1	0	0	792	10,366	66	10,366
OST1 BLK 1		1	0	0	13	1,024	1	1,024
OST1 BLK 2		1	0	0	13	1,055	1	1,055
OST1 BLK 3		1	0	0	13	1,054	1	1,054
OST1 BLK 4		1	0	0	13	1,050	1	1,050
OST1 BLK 5		1	0	0	13	1,028	1	1,028
OST1 BLK 6		1	0	0	13	1,112	1	1,112
OST1 BLK 7		1	0	0	13	1,116	1	1,116
OST1 BLK 8		1	0	0	13	1,112	1	1,112
OST1 BLK 9		1	0	0	13	1,108	1	1,108
OST1 BLK 10		1	0	0	13	1,107	1	1,107
OST1 BLK 11		1	0	0	13	1,097	1	1,097
OST1 BLK 12		1	0	0	13	1,017	1	1,017
OST1 BLK 13		1	0	0	13	1,035	1	1,035
OST1 BLK 14		1	0	0	13	1,034	1	1,034
OST1 BLK 15		1	0	0	13	1,034	1	1,034
OST1 BLK 16		1	0	0	13	728	1	728
OST1 BLK 17		1	0	0	4	457	1	457
OST1 HANG 1		1	0	0	0	85	0	85
OST2 BLK 1		1	0	0	13	1,001	1	1,001
OST2 BLK 2		1	0	0	13	1,044	1	1,044
OST2 BLK 3		1	0	0	13	1,047	1	1,047
OST2 BLK 4		1	0	0	13	1,048	1	1,048
OST2 BLK 5		1	0	0	13	1,032	1	1,032
OST2 BLK 6		1	0	0	13	1,118	1	1,118
OST2 BLK 7		1	0	0	13	1,132	1	1,132
OST2 BLK 8		1	0	0	13	1,136	1	1,136
OST2 BLK 9		1	0	0	13	1,140	1	1,140
OST2 BLK 10		1	0	0	13	1,147	1	1,147
OST2 BLK 11		1	0	0	13	1,137	1	1,137
OST2 BLK 12		1	0	0	13	1,051	1	1,051
OST2 BLK 13		1	0	0	13	1,070	1	1,070
OST2 BLK 14		1	0	0	13	1,070	1	1,070

Name	Set	Large		Small		Whole		SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)	Number	Weight (Kg)	
OST2 BLK 15		1	0	13	1,070	1	1,070	0
OST2 BLK 16		1	0	13	746	1	746	0
OST2 BLK 17		1	0	4	479	1	479	0
OST2 HANG 1		1	0	0	85	0	85	0
OUTSIDE STRINGER	M. Total	1	0	424	34,806	34	34,806	0
STC-1		1	3	17	230	1	903	0
STC-2		5	15	65	615	5	3,985	0
STC-3		1	3	13	123	1	797	0
STC-4		1	3	13	123	1	797	0
STC-5		1	3	13	123	1	797	0
STC-6		1	3	13	123	1	771	0
STC-7		1	3	13	123	1	835	0
STC-8		1	3	13	123	1	849	0
STC-9		1	3	13	123	1	848	0
STC-10		1	3	13	123	1	848	0
STC-11		1	3	13	123	1	848	0
STC-12		1	3	13	123	1	848	0
STC-13		1	3	13	123	1	848	0
STC-14		1	3	13	123	1	848	0
STC-15		1	3	13	123	1	848	0
STC-16		1	3	13	123	1	847	0
STC-17		1	3	13	123	1	846	0
STC-18		1	3	13	123	1	834	0
STC-19		1	3	13	123	1	771	0
STC-20		1	3	13	123	1	795	0
STC-21		1	3	13	123	1	795	0
STC-22		1	3	13	123	1	795	0
STC-23		1	3	13	123	1	795	0
STC-24		1	3	13	123	1	795	0
STC-25		1	3	13	123	1	795	0
STC-26		2	6	26	246	2	1,590	0
STC-27		1	3	14	177	1	848	0
STC HANG 1		1	0	2	104	0	104	0
INSIDE STRINGER	M. Total	1	96	423	4,201	32	26,280	0
MAIN STRUCTURE	Subtota	1	379	7,650	289,476	211	736,386	0
SUPPOT B1		85	0	0	1,020	0	1,020	0
SUPPOT S1		4	0	0	28	0	28	0
SUPPOT S2		17	0	0	85	0	85	0
DRAINAGE	M. Total	1	0	0	1,133	0	1,133	0
ACCESSORY	Subtota	1	0	0	1,133	0	1,133	0
ACCOUNT	Subtota	1	379	7,650	290,609	211	737,519	0
—	Subtota	1	379	7,650	290,609	211	737,519	0
—	Total	1	379	7,650	290,609	211	737,519	0

1.6 Extension of large welded T-joint

<MAIN STRUCTURE><GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G1 BLK 1	WEB	8222	4	1	32, 888
	WEB	8192	4	1	32, 768
	M. Total			1	65, 656
G1 BLK 2	WEB	8292	4	1	33, 168
	WEB	8267	4	1	33, 068
	M. Total			1	66, 236
G1 BLK 3	WEB	8278	4	1	33, 112
	WEB	8261	4	1	33, 044
	M. Total			1	66, 156
G1 BLK 4	WEB	8261	4	1	33, 044
	WEB	8251	4	1	33, 004
	M. Total			1	66, 048
G1 BLK 5	WEB	8246	4	1	32, 984
	WEB	8242	4	1	32, 968
	M. Total			1	65, 952
G1 BLK 6	WEB	8233	4	1	32, 932
	WEB	8234	4	1	32, 936
	M. Total			1	65, 868
G1 BLK 7	WEB	8128	4	1	32, 512
	WEB	8136	4	1	32, 544
	M. Total			1	65, 056
G1 BLK 8	WEB	7274	4	1	29, 096
	WEB	7289	4	1	29, 156
	M. Total			1	58, 252
G1 BLK 9	WEB	7318	4	1	29, 272
	WEB	7340	4	1	29, 360
	M. Total			1	58, 632
G1 BLK 10	WEB	7299	4	1	29, 196
	WEB	7330	4	1	29, 320
	M. Total			1	58, 516
G1 BLK 11	WEB	7282	4	1	29, 128
	WEB	7320	4	1	29, 280
	M. Total			1	58, 408
G1 BLK 12	WEB	7265	4	1	29, 060
	WEB	7310	4	1	29, 240
	M. Total			1	58, 300
G1 BLK 13	WEB	7251	4	1	29, 004
	WEB	7306	4	1	29, 224
	M. Total			1	58, 228
G1 BLK 14	WEB	7252	4	1	29, 008
	WEB	7304	4	1	29, 216
	M. Total			1	58, 224
G1 BLK 15	WEB	7248	4	1	28, 992
	WEB	7300	4	1	29, 200
	M. Total			1	58, 192
G1 BLK 16	WEB	7183	4	1	28, 732
	WEB	7234	4	1	28, 936
	M. Total			1	57, 668
G1 BLK 17	WEB	8006	4	1	32, 024
	WEB	8063	4	1	32, 252
	M. Total			1	64, 276
G1 BLK 18	WEB	8088	4	1	32, 352
	WEB	8146	4	1	32, 584
	M. Total			1	64, 936
	WEB	8084	4	1	32, 336
	WEB	8142	4	1	32, 568

<MAIN STRUCTURE><GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G1 BLK 19	M. Total			1	64,904
	WEB	8081	4	1	32,324
	WEB	8138	4	1	32,552
G1 BLK 20	M. Total			1	64,876
	WEB	8077	4	1	32,308
	WEB	8134	4	1	32,536
G1 BLK 21	M. Total			1	64,844
	WEB	8077	4	1	32,308
	WEB	8134	4	1	32,536
G1 BLK 22	M. Total			1	64,844
	WEB	7996	4	1	31,984
	WEB	8052	4	1	32,208
G1 BLK 23	M. Total			1	64,192
G1 HANG 1	M. Total			1	0
G1 DRAIN 1	M. Total			22	0
G1 CSPL 1	M. Total			1	0
G1 CSPL 2	M. Total			1	0
G1 CSPL 3	M. Total			1	0
G1 CSPL 4	M. Total			1	0
G1 CSPL 5	M. Total			1	0
G1 CSPL 6	M. Total			1	0
G1 CSPL 7	M. Total			1	0
G1 CSPL 8	M. Total			1	0
G1 CSPL 9	M. Total			1	0
G1 CSPL 10	M. Total			1	0
G1 CSPL 11	M. Total			1	0
G1 CSPL 12	M. Total			1	0
G1 CSPL 13	M. Total			1	0
G1 CSPL 14	M. Total			1	0
G1 CSPL 15	M. Total			1	0
G1 CSPL 16	M. Total			1	0
G1 CSPL 17	M. Total			1	0
G1 CSPL 18	M. Total			1	0
G1 CSPL 19	M. Total			1	0
G1 CSPL 20	M. Total			1	0
G1 CSPL 21	M. Total			1	0
G1 CSPL 22	M. Total			1	0
	WEB	8145	4	1	32,580
	WEB	8115	4	1	32,460
G2 BLK 1	M. Total			1	65,040
	WEB	8233	4	1	32,932
	WEB	8209	4	1	32,836
G2 BLK 2	M. Total			1	65,768
	WEB	8240	4	1	32,960
	WEB	8222	4	1	32,888
G2 BLK 3	M. Total			1	65,848
	WEB	8247	4	1	32,988
	WEB	8238	4	1	32,952
G2 BLK 4	M. Total			1	65,940
	WEB	8251	4	1	33,004
	WEB	8247	4	1	32,988
G2 BLK 5	M. Total			1	65,992
	WEB	8251	4	1	33,004
	WEB	8252	4	1	33,008
G2 BLK 6	M. Total			1	66,012
	WEB	8166	4	1	32,664

<MAIN STRUCTURE><GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G2 BLK 7	WEB	8173	4	1	32, 692
	M. Total			1	65, 356
G2 BLK 8	WEB	7330	4	1	29, 320
	WEB	7344	4	1	29, 376
	M. Total			1	58, 696
	WEB	7395	4	1	29, 580
G2 BLK 9	WEB	7418	4	1	29, 672
	M. Total			1	59, 252
	WEB	7399	4	1	29, 596
G2 BLK 10	WEB	7428	4	1	29, 712
	M. Total			1	59, 308
	WEB	7400	4	1	29, 600
G2 BLK 11	WEB	7439	4	1	29, 756
	M. Total			1	59, 356
	WEB	7403	4	1	29, 612
G2 BLK 12	WEB	7448	4	1	29, 792
	M. Total			1	59, 404
	WEB	7405	4	1	29, 620
G2 BLK 13	WEB	7455	4	1	29, 820
	M. Total			1	59, 440
	WEB	7397	4	1	29, 588
G2 BLK 14	WEB	7449	4	1	29, 796
	M. Total			1	59, 384
	WEB	7394	4	1	29, 576
G2 BLK 15	WEB	7446	4	1	29, 784
	M. Total			1	59, 360
	WEB	7327	4	1	29, 308
G2 BLK 16	WEB	7379	4	1	29, 516
	M. Total			1	58, 824
	WEB	8167	4	1	32, 668
G2 BLK 17	WEB	8224	4	1	32, 896
	M. Total			1	65, 564
	WEB	8251	4	1	33, 004
G2 BLK 18	WEB	8309	4	1	33, 236
	M. Total			1	66, 240
	WEB	8248	4	1	32, 992
G2 BLK 19	WEB	8305	4	1	33, 220
	M. Total			1	66, 212
	WEB	8244	4	1	32, 976
G2 BLK 20	WEB	8301	4	1	33, 204
	M. Total			1	66, 180
	WEB	8241	4	1	32, 964
G2 BLK 21	WEB	8297	4	1	33, 188
	M. Total			1	66, 152
	WEB	8240	4	1	32, 960
G2 BLK 22	WEB	8297	4	1	33, 188
	M. Total			1	66, 148
	WEB	8159	4	1	32, 636
G2 BLK 23	WEB	8216	4	1	32, 864
	M. Total			1	65, 500
G2 HANG 1	M. Total			1	0
G2 DRAIN 1	M. Total			22	0
G2 CSPL 1	M. Total			1	0
G2 CSPL 2	M. Total			1	0
G2 CSPL 3	M. Total			1	0
G2 CSPL 4	M. Total			1	0

<MAIN STRUCTURE><GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G2 CSPL 5	M. Total			1	0
G2 CSPL 6	M. Total			1	0
G2 CSPL 7	M. Total			1	0
G2 CSPL 8	M. Total			1	0
G2 CSPL 9	M. Total			1	0
G2 CSPL 10	M. Total			1	0
G2 CSPL 11	M. Total			1	0
G2 CSPL 12	M. Total			1	0
G2 CSPL 13	M. Total			1	0
G2 CSPL 14	M. Total			1	0
G2 CSPL 15	M. Total			1	0
G2 CSPL 16	M. Total			1	0
G2 CSPL 17	M. Total			1	0
G2 CSPL 18	M. Total			1	0
G2 CSPL 19	M. Total			1	0
G2 CSPL 20	M. Total			1	0
G2 CSPL 21	M. Total			1	0
G2 CSPL 22	M. Total			1	0
				Total	2, 893, 240

<MAIN STRUCTURE><CROSSBEAM>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
CB1 BLK 1	WEB	3251	4	1	13,004
	M. Total			1	13,004
CB1 BLK 2	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 3	WEB	3245	4	1	12,980
	M. Total			1	12,980
CB1 BLK 4	WEB	3239	4	1	12,956
	M. Total			1	12,956
CB1 BLK 5	WEB	3234	4	1	12,936
	M. Total			1	12,936
CB1 BLK 6	WEB	3228	4	1	12,912
	M. Total			1	12,912
CB1 BLK 7	WEB	3219	4	1	12,876
	M. Total			1	12,876
CB1 BLK 8	WEB	3209	4	1	12,836
	M. Total			1	12,836
CB1 BLK 9	WEB	3199	4	1	12,796
	M. Total			1	12,796
CB1 BLK 10	WEB	3191	4	1	12,764
	M. Total			1	12,764
CB1 BLK 11	WEB	3200	4	1	12,800
	M. Total			1	12,800
CB1 BLK 12	WEB	3220	4	1	12,880
	M. Total			1	12,880
CB1 BLK 13	WEB	3232	4	1	12,928
	M. Total			1	12,928
CB1 BLK 14	WEB	3244	4	1	12,976
	M. Total			1	12,976
CB1 BLK 15	WEB	3257	4	1	13,028
	M. Total			1	13,028
CB1 BLK 16	WEB	3269	4	1	13,076
	M. Total			1	13,076
CB1 BLK 17	WEB	3282	4	1	13,128
	M. Total			1	13,128
CB1 BLK 18	WEB	3295	4	1	13,180
	M. Total			1	13,180
CB1 BLK 19	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 20	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 21	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 22	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 23	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 24	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 25	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 26	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 27	WEB	3303	4	1	13,212
	M. Total			1	13,212
CB1 BLK 28	WEB	3303	4	1	13,212
	M. Total			1	13,212

<MAIN STRUCTURE><CROSSBEAM>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
	WEB	3303	4	1	13,212
CB1 BLK 29	M. Total			1	13,212
	WEB	3303	4	1	13,212
CB1 BLK 30	M. Total			1	13,212
	WEB	3303	4	1	13,212
CB1 BLK 31	M. Total			1	13,212
	WEB	3210	4	1	12,840
CB1 BLK 32	M. Total			1	12,840
	WEB	3303	4	1	13,212
CB1 BLK 33	M. Total			1	13,212
				Total	431,076

<MAIN STRUCTURE><BRACKET>

Name	Mtas. I	W	Line Numbe	Welding (mm)
BR1 BLK 1	M. Total		1	0
BR1 BLK 2	M. Total		1	0
BR1 BLK 3	M. Total		1	0
BR1 BLK 4	M. Total		1	0
BR1 BLK 5	M. Total		1	0
BR1 BLK 6	M. Total		1	0
BR1 BLK 7	M. Total		1	0
BR1 BLK 8	M. Total		1	0
BR1 BLK 9	M. Total		1	0
BR1 BLK 10	M. Total		1	0
BR1 BLK 11	M. Total		1	0
BR1 BLK 12	M. Total		1	0
BR1 BLK 13	M. Total		1	0
BR1 BLK 14	M. Total		1	0
BR1 BLK 15	M. Total		1	0
BR1 BLK 16	M. Total		1	0
BR1 BLK 17	M. Total		1	0
BR1 BLK 18	M. Total		1	0
BR1 BLK 19	M. Total		1	0
BR1 BLK 20	M. Total		1	0
BR1 BLK 21	M. Total		1	0
BR1 BLK 22	M. Total		1	0
BR1 BLK 23	M. Total		1	0
BR1 BLK 24	M. Total		1	0
BR1 BLK 25	M. Total		1	0
BR1 BLK 26	M. Total		1	0
BR1 BLK 27	M. Total		1	0
BR1 BLK 28	M. Total		1	0
BR1 BLK 29	M. Total		1	0
BR1 BLK 30	M. Total		1	0
BR1 BLK 31	M. Total		1	0
BR1 BLK 32	M. Total		1	0
BR1 BLK 33	M. Total		1	0
BR2 BLK 1	M. Total		1	0
BR2 BLK 2	M. Total		1	0
BR2 BLK 3	M. Total		1	0
BR2 BLK 4	M. Total		1	0
BR2 BLK 5	M. Total		1	0
BR2 BLK 6	M. Total		1	0
BR2 BLK 7	M. Total		1	0
BR2 BLK 8	M. Total		1	0
BR2 BLK 9	M. Total		1	0
BR2 BLK 10	M. Total		1	0
BR2 BLK 11	M. Total		1	0
BR2 BLK 12	M. Total		1	0
BR2 BLK 13	M. Total		1	0
BR2 BLK 14	M. Total		1	0
BR2 BLK 15	M. Total		1	0
BR2 BLK 16	M. Total		1	0
BR2 BLK 17	M. Total		1	0
BR2 BLK 18	M. Total		1	0
BR2 BLK 19	M. Total		1	0
BR2 BLK 20	M. Total		1	0
BR2 BLK 21	M. Total		1	0
BR2 BLK 22	M. Total		1	0
BR2 BLK 23	M. Total		1	0

<MAIN STRUCTURE><BRACKET>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
BR2 BLK 24	M. Total			1	0
BR2 BLK 25	M. Total			1	0
BR2 BLK 26	M. Total			1	0
BR2 BLK 27	M. Total			1	0
BR2 BLK 28	M. Total			1	0
BR2 BLK 29	M. Total			1	0
BR2 BLK 30	M. Total			1	0
BR2 BLK 31	M. Total			1	0
BR2 BLK 32	M. Total			1	0
BR2 BLK 33	M. Total			1	0
Total					0

<MAIN STRUCTURE><OUTSIDE STRINGER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
OST1 BLK 1	M. Total			1	0
OST1 BLK 2	M. Total			1	0
OST1 BLK 3	M. Total			1	0
OST1 BLK 4	M. Total			1	0
OST1 BLK 5	M. Total			1	0
OST1 BLK 6	M. Total			1	0
OST1 BLK 7	M. Total			1	0
OST1 BLK 8	M. Total			1	0
OST1 BLK 9	M. Total			1	0
OST1 BLK 10	M. Total			1	0
OST1 BLK 11	M. Total			1	0
OST1 BLK 12	M. Total			1	0
OST1 BLK 13	M. Total			1	0
OST1 BLK 14	M. Total			1	0
OST1 BLK 15	M. Total			1	0
OST1 BLK 16	M. Total			1	0
OST1 BLK 17	M. Total			1	0
OST1 HANG 1	M. Total			1	0
OST2 BLK 1	M. Total			1	0
OST2 BLK 2	M. Total			1	0
OST2 BLK 3	M. Total			1	0
OST2 BLK 4	M. Total			1	0
OST2 BLK 5	M. Total			1	0
OST2 BLK 6	M. Total			1	0
OST2 BLK 7	M. Total			1	0
OST2 BLK 8	M. Total			1	0
OST2 BLK 9	M. Total			1	0
OST2 BLK 10	M. Total			1	0
OST2 BLK 11	M. Total			1	0
OST2 BLK 12	M. Total			1	0
OST2 BLK 13	M. Total			1	0
OST2 BLK 14	M. Total			1	0
OST2 BLK 15	M. Total			1	0
OST2 BLK 16	M. Total			1	0
OST2 BLK 17	M. Total			1	0
OST2 HANG 1	M. Total			1	0
				Total	0

<MAIN STRUCTURE><INSIDE STRINGER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
STC-1	WEB	5384	4	1	21, 536
	M. Total			1	21, 536
STC-2	WEB	5384	4	1	21, 536
	M. Total			5	107, 680
STC-3	WEB	5383	4	1	21, 532
	M. Total			1	21, 532
STC-4	WEB	5382	4	1	21, 528
	M. Total			1	21, 528
STC-5	WEB	5381	4	1	21, 524
	M. Total			1	21, 524
STC-6	WEB	5180	4	1	20, 720
	M. Total			1	20, 720
STC-7	WEB	5679	4	1	22, 716
	M. Total			1	22, 716
STC-8	WEB	5779	4	1	23, 116
	M. Total			1	23, 116
STC-9	WEB	5778	4	1	23, 112
	M. Total			1	23, 112
STC-10	WEB	5777	4	1	23, 108
	M. Total			1	23, 108
STC-11	WEB	5776	4	1	23, 104
	M. Total			1	23, 104
STC-12	WEB	5775	4	1	23, 100
	M. Total			1	23, 100
STC-13	WEB	5774	4	1	23, 096
	M. Total			1	23, 096
STC-14	WEB	5773	4	1	23, 092
	M. Total			1	23, 092
STC-15	WEB	5772	4	1	23, 088
	M. Total			1	23, 088
STC-16	WEB	5771	4	1	23, 084
	M. Total			1	23, 084
STC-17	WEB	5771	4	1	23, 084
	M. Total			1	23, 084
STC-18	WEB	5670	4	1	22, 680
	M. Total			1	22, 680
STC-19	WEB	5169	4	1	20, 676
	M. Total			1	20, 676
STC-20	WEB	5368	4	1	21, 472
	M. Total			1	21, 472
STC-21	WEB	5367	4	1	21, 468
	M. Total			1	21, 468
STC-22	WEB	5367	4	1	21, 468
	M. Total			1	21, 468
STC-23	WEB	5366	4	1	21, 464
	M. Total			1	21, 464
STC-24	WEB	5365	4	1	21, 460
	M. Total			1	21, 460
STC-25	WEB	5365	4	1	21, 460
	M. Total			1	21, 460
STC-26	WEB	5364	4	1	21, 456
	M. Total			2	42, 912
STC-27	WEB	5364	4	1	21, 456
	M. Total			1	21, 456
STC HANG 1	M. Total			1	0
Total					704, 736

1.7 Summary list of various materials
 1.7.1 Drainage

Drainage of superstructure

Item		Unit	Quantity	Remark
Pipe length	200A	m	203.3	VP
Straight pipe	200A	m	142.2	VP
Curve pipe	200A	No.	36	VP
Expansion joint	HORIZONTAL PULLING	No.	16	VP
	VERTICAL PULLING	No.	4	
End cap	VP200A	No.	2	
Device for flexible tube		set	8	For straight pipe
Flexible tube	ø20	m	12.7	SUS304
Flexible tube joint	ø20	No.	8	Polyvinyl chloride pipe
Drain pipe on deck slab		m	198.8	φ 20
Edge joint treatment		m	740.8	
Extension of molding joint		m	740.8	
Joint filler		m ²	1976.7	Coated waterproofing membrane
Catch pit		No.	17	400x320

1.7.2 Bearing

Item	Classification	Unit	Quantity	Application
Rubber bearing	Rmax= 2672 kN	piece	2	PF2
Rubber bearing	Rmax= 2845 kN	piece	2	PF5
Rubber bearing	Rmax= 7428 kN	piece	2	PF3
Rubber bearing	Rmax= 7481 kN	piece	2	PF4

1.8 Summary list of painting area

Summary list of painting area

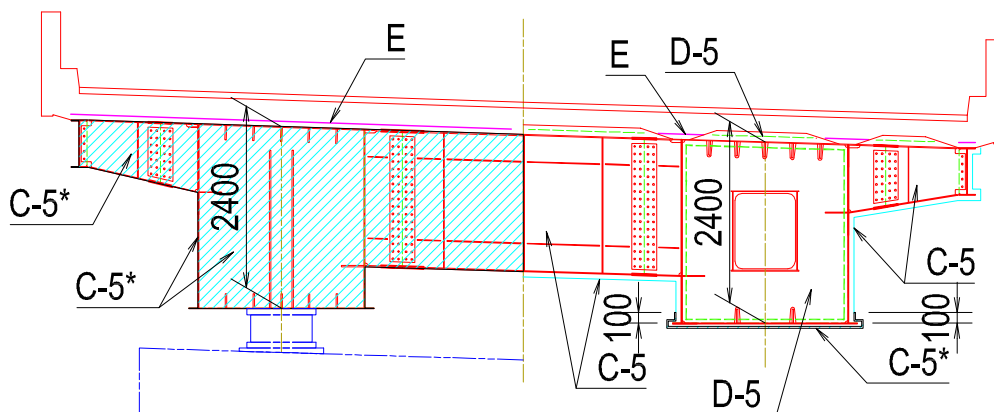
Classification of painting		Painting area(m2)	Painting division (Painting system)
Exterior painting	Factory painting	3421.1	C-5
	Spot painting	360.2	F-11
Internal painting	Factory painting(B1+D1)	6448.8	D-5
	Spot painting(B2+F2+D2)	488.3	F-12
Concrete contact	Factory painting	289.3	INORGANIC ZINC-RICH PAINT
	Spot painting	22.9	INORGANIC ZINC-RICH PAINT
Additional painting	Factory painting	1189.0	C-5*
	Spot painting	91.6	F-11*
Contact surface of splicing part		1435.2	INORGANIC ZINC-RICH PAINT

Painting division figure(1/2)

Figure end painting range

PF2, PF5

CROSS BEAM

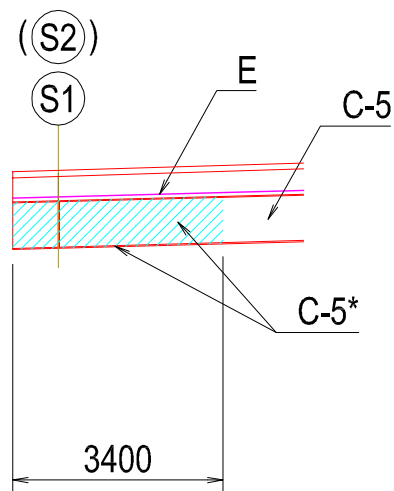
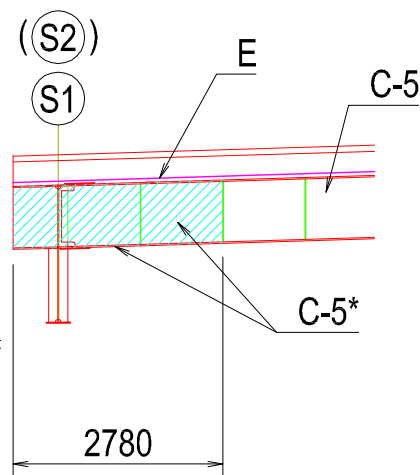
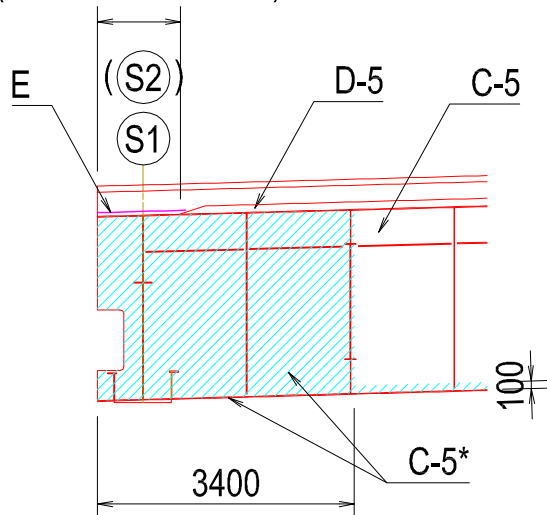


GIRDER

INSIDE STRINGER

OUTSIDE STRINGER

1100
(Concrete downhole)



A :Exterior painting Ordinary Part (C-5)

Splicing Part (F-11)

E : Bolt head Exterior painting (F-11)

B :Internal painting Ordinary Part (D-5)

Splicing Part (F-12)

F : Bolt head Internal painting (F-12)

C : Concrete contact surface (E)

G : Bolt head concrete contact (E)

D : Internal painting (D-5)

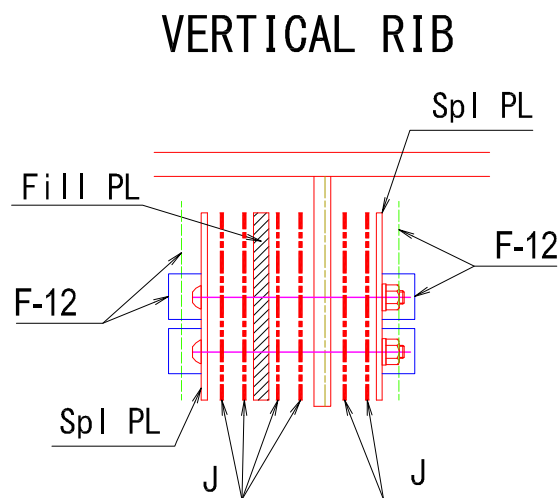
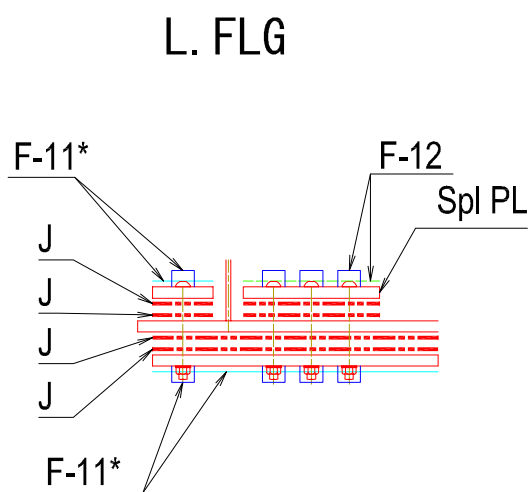
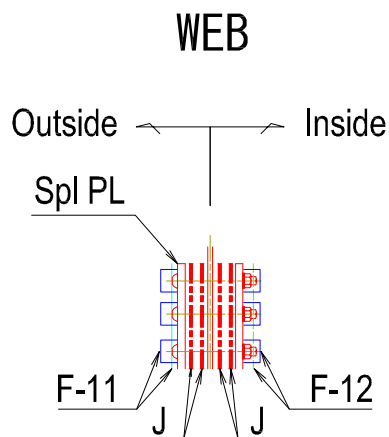
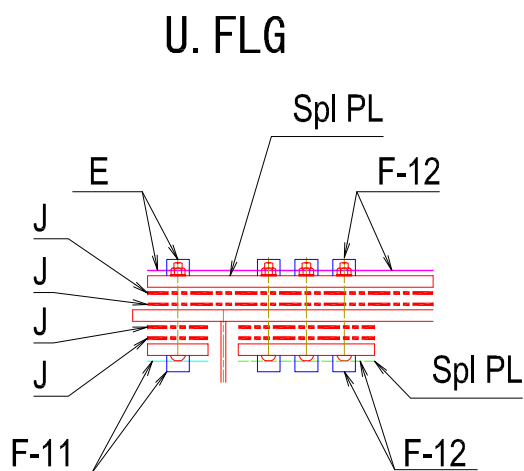
I : Bolt head additional painting (F-11*)

U : Additional painting Ordinary Part (C-5*)

Splicing Part (F-11*)

Painting division figure(2/2)

SPLICING PART



A :Exterior painting Ordinary Part (C-5)

Splicing Part (F-11)

E : Bolt head Exterior painting (F-11)

B :Internal painting Ordinary Part (D-5)

Splicing Part (F-12)

F : Bolt head Internal painting (F-12)

C : Concrete contact surface (E)

G : Bolt head concrete contact (E)

I : Bolt head additional painting (F-11*)

D : Internal painting (D-5)

U : Additional painting Ordinary Part (C-5*)

Splicing Part (F-11*)

1.9 Galvanizing

[Unit:kg]

Shape	Quality	Size	Main construction				Total	Standard
			Bridge body mechanic		Superstructure drainage	Main body meter		
			Girder	Inner stringer				
PL	SM400A	6	44	44	765	809	809	HDZ55
	Subtotal		44	44	765	809	809	-
L	SS400	40 x 40 x 3.0	44	44		44	44	HDZ55
FB	SS400	100 x 6.0			262	262	262	"
Subtotal of steel			88	88	1,027	1,115	1,115	
B. N	SS400	M 16 x 110	1	1		1	1	HDZ35
		M 16 x 100	5	5		5	5	"
		M 16 x 95	2	2		2	2	"
		M 16 x 75	1	1		1	1	"
		M 16 x 70	2	2		2	2	"
		M 16 x 65	4	4		4	4	"
		M 16 x 60	16	16		16	16	"
		M 16 x 55	4	4		4	4	"
		M 16 x 50	9	9		9	9	"
		M 12 x 45			4	4	4	"
	M 12 x 40			106	106	106	"	
Subtotal		44	44	110	154	154	-	
W	SS400	M 12			110	110	110	HDZ35
	Subtotal		44	44	220	264	264	-
Subtotal of purchased part			44	44	220	264	264	
	Total		132	132	1,247	1,379	1,379	

[Unit:kg]

Standard	Volume
HDZ55	1,115
HDZ35	264

1.10 Quantity of slab

Summary sheet (1/2)

Item		Unit	Quantity	Remarks	
Concrete		RC slab	m ³	548.2	σ ck=24N/mm2
Form		Slab	m ²	1394.5	
		buried form	m ²	703.5	
		Total	m ²	2098.0	
Reinforcement bar	RC Slab	D19	kg	107,236	(SD345)
		D16	kg	27,251	(SD345)
		D13	kg	6,595	(SD345)
		Total	kg	141,082	(SD345)
Asphalt pavement		Roadway	m ²	1977.8	t=80mm Surface layer t=40mm Leveling layer t=40mm

Summary sheet (2/2)

			Specification		Unit	Quantity	Remarks
Bridge deck	Concrete cube barrier and median	Concrete volume	$\sigma_{ck} = 24 \text{ N/mm}^2$		m^3	168.8	
		Form area	Side·edge·bottom molding box		m^2	900.5	
		Contraction joint	$t= 10 \text{ mm}$		m^2	5.5	
		V cut			$\varnothing$	55.7	
		Reinforcement bar	SD345	D16	kg	13166	
				D13	"	12483	
				Total	"	25649	
Illumination post pedestal		Concrete volume	$\sigma_{ck} = 24 \text{ N/mm}^2$		m^3	18.4	4 unit
		Form area			m^2	104.1	
		Reinforcement bar			kg	1600	

2. Main construction

2.1 Weight of steel material weight

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 10.0	8,140	1	78.500	1566.000	1,566	SM490YA		U. FLG			L	
PL	190 x 19.0	8,135	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,129	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,124	1	149.200	230.000	230	SM490YB		U. RIB			S	
PL	190 x 19.0	8,120	1	149.200	230.000	230	SM490YB		U. RIB			S	
PL	190 x 19.0	8,115	1	149.200	230.000	230	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 10.0	340	1	78.500	5.170	5	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,140	1	78.500	1565.000	1,565	SM490YA		L. FLG			L	
PL	190 x 19.0	3,302	1	149.200	93.600	94	SM490YB		L. RIB			S	
PL	190 x 19.0	8,130	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	3,298	1	149.200	93.500	94	SM490YB		L. RIB			S	
PL	190 x 19.0	8,119	1	149.200	230.000	230	SM490YB		L. RIB			S	
PL	190 x 19.0	3,294	1	149.200	93.400	93	SM490YB		L. RIB			S	
PL	810 x 46.0	760	1	361.100	222.000	222	SM490C		SOLE			S	
PL	120 x 14.0	2,190	2	109.900	28.900	58	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	360	4	47.100	0.848	3	SM400A		DRAIN			S	
PL	50 x 6.0	366	1	47.100	0.862	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,390	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,389	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,387	1	94.200	30.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,292	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,228	2	94.200	16.200	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,294	1	94.200	17.100	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	2426 x 12.0	8,222	1	94.200	1860.000	1,860	SM490YA	99	WEB			L	
PL	140 x 12.0	2,324	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,326	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,327	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,287	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,223	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,288	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,287	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	372	1	94.200	4.910	5	SM400A		H. STIF			S	
PL	2357 x 12.0	8,192	1	94.200	1801.000	1,801	SM490YA	99	WEB			L	
PL	420 x 16.0	370	1	125.600	17.200	17	SM490YA	88	CB-UF	S1		S	
PL	1806 x 9.0	488	1	70.650	61.000	61	SM400A	98	CB-W	S1		S	
PL	320 x 16.0	488	1	125.600	19.400	19	SM400A	99	CB-LF	S1		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	S1		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C1		S	
PL	1805 x 9.0	488	1	70.650	61.600	62	SM400A	99	CB-W	C1		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C1		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C1		S	
PL	350 x 10.0	371	1	78.500	7.540	8	SM490YA	74	BR-UF	S1		S	
PL	905 x 9.0	488	1	70.650	31.200	31	SM400A		BR-W	S1		S	
PL	250 x 10.0	501	1	78.500	9.830	10	SM400A		BR-LF	S1		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C1		S	
PL	903 x 9.0	488	1	70.650	31.100	31	SM400A		BR-W	C1		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C1		S	
PL	2426 x 12.0	2,190	1	94.200	500.000	500	SM490YA		DIA	S1		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	119 x 10.0	300	2	78.500	2.800	6	SM400A		D. FBF	S1		S	
PL	154 x 16.0	300	2	125.600	5.800	12	SM400A		D. FBF	S1		S	
PL	160 x 16.0	2,090	4	125.600	42.000	168	SM490YA		S. STF	S1		S	
PL	700 x 12.0	1,000	2	94.200	28.400	57	SM400A	43	M. H	S1		S	
PL	480 x 9.0	680	1	70.650	19.100	19	SM400A	83	M. H	S1		S	
PL	150 x 9.0	400	2	70.650	3.390	7	SM400A	80	M. H	S1		S	
PL	80 x 9.0	110	2	70.650	0.622	1	SM400A		M. H	S1		S	
RB	D 13	310	1	1.042	0.323	1	SS400		M. H	S1		S	
B. N	M 16	40	4		0.127	1	SUS304		M. H	S1		B	
SP5	20A	280	1	1.051	0.294	1	SUS304		M. H	S1		S	
WPIN	5.0	36	2		0.006	1	SUS304		M. H	S1		B	
PL	2423 x 9.0	2,190	1	70.650	375.000	375	SM400A		DIA	C1		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C1		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C1		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C1		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C1		S	
PL	450 x 9.0	2,205	1	70.650	69.400	69	SM400A	99	CR-W	R1		S	
PL	140 x 12.0	1,504	1	94.200	19.800	20	SM400A		CR-STF	R1		S	
PL	140 x 12.0	1,440	1	94.200	19.000	19	SM400A		CR-STF	R1		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R1		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R1		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R1		S	
PL	200 x 14.0	2,431	2	109.900	53.400	107	SM490YA		JACKUP			S	
PL	200 x 14.0	2,361	2	109.900	51.900	104	SM490YA		JACKUP			S	
PL	250 x 30.0	250	1	235.500	14.700	15	SM400A		BASEPL			S	
PL	250 x 30.0	250	1	235.500	14.700	15	SM400A		BASEPL			S	
	Large Shape	Number	4		Weight	6,792							
	Small Shape	Number	98		Weight	4,632							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,656 mm										
1 Block Total					Weight	11.427 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,213	1	109.900	2212.000	2,212	SM490YA		U. FLG			L	
PL	190 x 19.0	8,206	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,202	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,198	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,194	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,190	1	149.200	232.000	232	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,213	1	141.300	2843.000	2,843	SM490YB		L. FLG			L	
PL	190 x 19.0	8,202	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	190 x 19.0	8,194	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	140 x 12.0	2,381	1	94.200	30.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,380	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,378	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	311	1	94.200	4.100	4	SM400A		H. STIF			S	
PL	140 x 12.0	1,226	1	94.200	16.200	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,290	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,224	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	374	1	94.200	4.930	5	SM400A		H. STIF			S	
PL	2417 x 12.0	8,292	1	94.200	1869.000	1,869	SM490YA	99	WEB			L	
PL	140 x 12.0	2,324	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,326	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,327	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,221	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,287	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,286	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,221	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	372	1	94.200	4.910	5	SM400A		H. STIF			S	
PL	2362 x 12.0	8,267	1	94.200	1803.000	1,803	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C2		S	
PL	1799 x 9.0	488	1	70.650	61.400	61	SM400A	99	CB-W	C2		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C2		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C2		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C2		S	
PL	902 x 9.0	488	1	70.650	31.100	31	SM400A		BR-W	C2		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C2		S	
PL	2415 x 9.0	2,190	1	70.650	374.000	374	SM400A		DIA	C2		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C2		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C2		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C2		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C2		S	
PL	450 x 9.0	2,204	1	70.650	69.400	69	SM400A	99	CR-W	R2		S	
PL	140 x 12.0	1,497	1	94.200	19.700	20	SM400A		CR-STF	R2		S	
PL	140 x 12.0	1,439	1	94.200	19.000	19	SM400A		CR-STF	R2		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R2		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R2		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R2		S	
PL	450 x 9.0	2,202	1	70.650	69.300	69	SM400A	99	CR-W	R3		S	
PL	140 x 12.0	1,494	1	94.200	19.700	20	SM400A		CR-STF	R3		S	
PL	140 x 12.0	1,442	1	94.200	19.000	19	SM400A		CR-STF	R3		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R3		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R3		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R3		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 2

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,727			
Small Shape	Number	57	Weight	3,023			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,236 mm					
1 Block Total			Weight	11,751 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,202	1	109.900	2209.000	2,209	SM490YA		U. FLG			L	
PL	190 x 19.0	8,193	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,191	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,188	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,185	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,182	1	149.200	232.000	232	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,203	1	141.300	2840.000	2,840	SM490YB		L. FLG			L	
PL	190 x 19.0	8,191	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	190 x 19.0	8,185	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	140 x 12.0	2,376	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,375	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,373	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,288	2	94.200	17.000	34	SM400A		H. STIF			S	
PL	140 x 12.0	1,223	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,287	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	373	1	94.200	4.920	5	SM400A		H. STIF			S	
PL	2412 x 12.0	8,278	1	94.200	1862.000	1,862	SM490YA	99	WEB			L	
PL	140 x 12.0	2,329	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,330	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,332	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	374	1	94.200	4.930	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,285	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,285	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	371	1	94.200	4.890	5	SM400A		H. STIF			S	
PL	2368 x 12.0	8,261	1	94.200	1806.000	1,806	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C3		S	
PL	1798 x 9.0	488	1	70.650	61.400	61	SM400A	99	CB-W	C3		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C3		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C3		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C4		S	
PL	1796 x 9.0	488	1	70.650	61.300	61	SM400A	99	CB-W	C4		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C4		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C4		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C3		S	
PL	900 x 9.0	488	1	70.650	31.000	31	SM400A		BR-W	C3		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C3		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C4		S	
PL	898 x 9.0	488	1	70.650	31.000	31	SM400A		BR-W	C4		S	
PL	250 x 10.0	499	1	78.500	9.800	10	SM400A		BR-LF	C4		S	
PL	2412 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C3		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C3		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C3		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C3		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C3		S	
PL	2409 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C4		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C4		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C4		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C4		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C4		S	
PL	450 x 9.0	2,201	1	70.650	69.300	69	SM400A	99	CR-W	R4		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	140 x 12.0	1,491	1	94.200	19.700	20	SM400A		CR-STF	R4	S		
PL	140 x 12.0	1,445	1	94.200	19.100	19	SM400A		CR-STF	R4	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R4	S		
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R4	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R4	S		
	Large Shape	Number	4		Weight	8,717							
	Small Shape	Number	69		Weight	3,349							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		66,156 mm										
1 Block Total					Weight	12,067 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,193	1	109.900	2207.000	2,207	SM490YA		U. FLG			L	
PL	190 x 19.0	8,182	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,180	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,178	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,177	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,175	1	149.200	232.000	232	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,193	1	141.300	2836.000	2,836	SM490YB		L. FLG			L	
PL	190 x 19.0	8,180	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	190 x 19.0	8,177	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	140 x 12.0	2,370	1	94.200	30.300	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,367	1	94.200	30.300	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,364	1	94.200	30.200	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,221	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,287	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,285	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	372	1	94.200	4.910	5	SM400A		H. STIF			S	
PL	2407 x 12.0	8,261	1	94.200	1854.000	1,854	SM490YA	99	WEB			L	
PL	140 x 12.0	2,334	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,337	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,340	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,219	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,285	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,284	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,218	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	140 x 12.0	371	1	94.200	4.890	5	SM400A		H. STIF			S	
PL	2377 x 12.0	8,251	1	94.200	1810.000	1,810	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C5		S	
PL	1794 x 9.0	488	1	70.650	61.200	61	SM400A	99	CB-W	C5		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C5		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C5		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C5		S	
PL	896 x 9.0	488	1	70.650	30.900	31	SM400A		BR-W	C5		S	
PL	250 x 10.0	499	1	78.500	9.800	10	SM400A		BR-LF	C5		S	
PL	2404 x 9.0	2,190	1	70.650	372.000	372	SM400A		DIA	C5		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C5		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C5		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C5		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C5		S	
PL	450 x 9.0	2,199	1	70.650	69.200	69	SM400A	99	CR-W	R5		S	
PL	140 x 12.0	1,487	1	94.200	19.600	20	SM400A		CR-STF	R5		S	
PL	140 x 12.0	1,448	1	94.200	19.100	19	SM400A		CR-STF	R5		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R5		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R5		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R5		S	
PL	450 x 9.0	2,196	1	70.650	69.100	69	SM400A	99	CR-W	R6		S	
PL	140 x 12.0	1,481	1	94.200	19.500	20	SM400A		CR-STF	R6		S	
PL	140 x 12.0	1,453	1	94.200	19.200	19	SM400A		CR-STF	R6		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R6		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R6		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 4

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,707			
Small Shape	Number	56	Weight	3,016			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,048 mm					
1 Block Total			Weight	11,724 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 11.0	8,183	1	86.350	1731.000	1,731	SM490YA		U. FLG			L	
PL	190 x 19.0	8,170	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,169	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,169	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,168	1	149.200	232.000	232	SM490YB		U. RIB			S	
PL	190 x 19.0	8,168	1	149.200	232.000	232	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,183	1	78.500	1574.000	1,574	SM490YA		L. FLG			L	
PL	190 x 19.0	8,169	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	190 x 19.0	8,168	1	149.200	232.000	232	SM490YB		L. RIB			S	
PL	190 x 19.0	7,458	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	190 x 19.0	7,457	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	190 x 19.0	7,456	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	140 x 12.0	2,364	1	94.200	30.200	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,396	1	94.200	31.600	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,393	1	94.200	31.600	32	SM400A		V. STIF			S	
PL	140 x 12.0	373	1	94.200	4.920	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,284	3	94.200	16.900	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,218	3	94.200	16.100	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	371	2	94.200	4.890	10	SM400A		H. STIF			S	
PL	2401 x 12.0	8,246	1	94.200	1847.000	1,847	SM490YA	99	WEB			L	
PL	140 x 12.0	2,345	1	94.200	30.000	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,383	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,385	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	140 x 12.0	373	1	94.200	4.920	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	3	94.200	16.900	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,218	3	94.200	16.100	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	370	2	94.200	4.880	10	SM400A		H. STIF			S	
PL	2386 x 12.0	8,242	1	94.200	1834.000	1,834	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C6		S	
PL	1794 x 9.0	488	1	70.650	61.200	61	SM400A	99	CB-W	C6		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C6		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C6		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C7		S	
PL	1792 x 9.0	488	1	70.650	61.200	61	SM400A	99	CB-W	C7		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C7		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C7		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C6		S	
PL	893 x 9.0	488	1	70.650	30.800	31	SM400A		BR-W	C6		S	
PL	250 x 10.0	498	1	78.500	9.770	10	SM400A		BR-LF	C6		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C7		S	
PL	890 x 9.0	488	1	70.650	30.700	31	SM400A		BR-W	C7		S	
PL	250 x 10.0	498	1	78.500	9.770	10	SM400A		BR-LF	C7		S	
PL	2401 x 9.0	2,190	1	70.650	371.000	371	SM400A		DIA	C6		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C6		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C6		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C6		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C6		S	
PL	2395 x 9.0	2,190	1	70.650	371.000	371	SM400A		DIA	C7		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C7		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C7		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C7	S		
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C7	S		
PL	450 x 9.0	2,194	1	70.650	69.100	69	SM400A	99	CR-W	R7	S		
PL	140 x 12.0	1,478	1	94.200	19.500	20	SM400A		CR-STF	R7	S		
PL	140 x 12.0	1,462	1	94.200	19.300	19	SM400A		CR-STF	R7	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R7	S		
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R7	S		
	Large Shape	Number	4		Weight	6,986							
	Small Shape	Number	80		Weight	4,094							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,952 mm										
1 Block Total					Weight	11.081 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 6

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 18.0	8,177	1	141.300	2830.000	2,830	SM490YB		U. FLG			L	
PL	230 x 22.0	3,364	2	172.700	134.000	268	SM490YB		U. RIB			S	
PL	230 x 22.0	8,162	1	172.700	324.000	324	SM490YB		U. RIB			S	
PL	230 x 22.0	8,162	1	172.700	324.000	324	SM490YB		U. RIB			S	
PL	230 x 22.0	3,364	1	172.700	134.000	134	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 18.0	340	1	141.300	9.310	9	SM490YB	57	H. H			S	
B. N	M 16	65	6		0.166	1	SS400		H. H	PLATING		B	
PL	2450 x 14.0	8,177	1	109.900	2201.000	2,201	SM490YA		L. FLG			L	
PL	230 x 22.0	8,162	2	172.700	324.000	648	SM490YB		L. RIB			S	
PL	230 x 22.0	8,162	2	172.700	324.000	648	SM490YB		L. RIB			S	
PL	230 x 22.0	8,162	1	172.700	324.000	324	SM490YB		L. RIB			S	
PL	140 x 12.0	2,383	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,380	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,378	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	1,217	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,282	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,217	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	2385 x 14.0	8,233	1	109.900	2137.000	2,137	SM490YA	99	WEB			L	
PL	140 x 12.0	2,381	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,384	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,387	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	140 x 12.0	1,217	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,282	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,217	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	2395 x 14.0	8,234	1	109.900	2124.000	2,124	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C8		S	
PL	1788 x 9.0	486	1	70.650	60.800	61	SM400A	99	CB-W	C8		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C8		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C8		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C8		S	
PL	887 x 9.0	486	1	70.650	30.500	30	SM400A		BR-W	C8		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C8		S	
PL	2382 x 9.0	2,190	1	70.650	369.000	369	SM400A		DIA	C8		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C8		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C8		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C8		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C8		S	
PL	450 x 9.0	2,191	1	70.650	69.700	70	SM400A		CR-W	R8		S	
PL	140 x 12.0	1,465	1	94.200	19.300	19	SM400A		CR-STF	R8		S	
PL	140 x 12.0	1,460	1	94.200	19.300	19	SM400A		CR-STF	R8		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R8		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R8		S	
PL	450 x 9.0	2,191	1	70.650	69.700	70	SM400A		CR-W	R9		S	
PL	140 x 12.0	1,459	1	94.200	19.200	19	SM400A		CR-STF	R9		S	
PL	140 x 12.0	1,465	1	94.200	19.300	19	SM400A		CR-STF	R9		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R9		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R9		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 6

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	9,292			
Small Shape	Number	57	Weight	4,056			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		65,868 mm					
1 Block Total			Weight	13,349 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 32.0	8,079	1	251.200	4971.000	4,971	SM490YB		U. FLG			L	
PL	260 x 25.0	8,063	1	196.200	411.000	411	SM490YB		U. RIB			S	
PL	260 x 25.0	8,066	1	196.200	411.000	411	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 32.0	340	1	251.200	16.600	17	SM490YB	57	H. H			S	
B. N	M 16	95	6		0.213	1	SS400		H. H	PLATING		B	
PL	2450 x 26.0	8,079	1	204.100	4039.000	4,039	SM490YB		L. FLG			L	
PL	260 x 25.0	8,062	1	196.200	411.000	411	SM490YB		L. RIB			S	
PL	260 x 25.0	8,063	1	196.200	411.000	411	SM490YB		L. RIB			S	
PL	260 x 25.0	8,064	1	196.200	411.000	411	SM490YB		L. RIB			S	
PL	260 x 25.0	8,066	1	196.200	411.000	411	SM490YB		L. RIB			S	
PL	260 x 25.0	8,067	1	196.200	411.000	411	SM490YB		L. RIB			S	
PL	1210 x 52.0	1,210	1	408.200	598.000	598	SM490C		SOLE			S	
PL	120 x 22.0	2,190	2	172.700	45.400	91	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	354	4	47.100	0.834	3	SM400A		DRAIN			S	
PL	50 x 6.0	359	1	47.100	0.845	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,361	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,359	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,356	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,230	1	109.900	21.600	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,165	2	109.900	20.500	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,222	1	109.900	21.500	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,345	1	109.900	23.700	24	SM400A		H. STIF			S	
PL	2375 x 16.0	8,128	1	125.600	2376.000	2,376	SM490YA	98	WEB			L	
PL	140 x 12.0	2,376	1	94.200	31.300	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,379	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,382	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,231	1	109.900	21.700	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,166	2	109.900	20.500	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,223	1	109.900	21.500	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,347	1	109.900	23.700	24	SM400A		H. STIF			S	
PL	2404 x 16.0	8,136	1	125.600	2408.000	2,408	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C9		S	
PL	1791 x 9.0	484	1	70.650	60.600	61	SM400A	99	CB-W	C9		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C9		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C9		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	PF3		S	
PL	1793 x 9.0	484	1	70.650	60.700	61	SM400A	99	CB-W	PF3		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	PF3		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	PF3		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C9		S	
PL	884 x 9.0	484	1	70.650	30.200	30	SM400A		BR-W	C9		S	
PL	250 x 10.0	493	1	78.500	9.670	10	SM400A		BR-LF	C9		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	PF3		S	
PL	881 x 9.0	484	1	70.650	30.100	30	SM400A		BR-W	PF3		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	PF3		S	
PL	2380 x 26.0	2,190	1	204.100	1064.000	1,064	SM490YB		DIA	PF3		S	
PL	730 x 20.0	1,030	2	157.000	50.800	102	SM400A	43	M. H	PF3		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	PF3		S	
PL	112 x 12.0	300	2	94.200	3.170	6	SM400A		D. FBF	PF3		S	
PL	280 x 28.0	2,064	4	219.800	127.000	508	SM490YB		S. STF	PF3		S	
PL	2374 x 9.0	2,190	1	70.650	367.000	367	SM400A		DIA	C9		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C9		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C9		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C9		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C9		S	
PL	450 x 9.0	2,194	1	70.650	69.100	69	SM400A	99	CR-W	R10		S	
PL	140 x 12.0	1,440	1	94.200	19.000	19	SM400A		CR-STF	R10		S	
PL	140 x 12.0	1,457	1	94.200	19.200	19	SM400A		CR-STF	R10		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R10		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R10		S	
PL	200 x 20.0	2,362	2	157.000	74.200	148	SM490YB		JACKUP			S	
PL	200 x 20.0	2,358	2	157.000	74.000	148	SM490YB		JACKUP			S	
PL	200 x 20.0	2,384	2	157.000	74.900	150	SM490YB		JACKUP			S	
PL	200 x 20.0	2,388	2	157.000	75.000	150	SM490YB		JACKUP			S	
PL	250 x 29.0	250	4	227.600	14.200	57	SM400A		BASEPL			S	
	Large Shape	Number	4		Weight	13,794							
	Small Shape	Number	92		Weight	7,377							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,056 mm										
1 Block Total					Weight	21,172 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 32.0	7,232	1	251.200	4454.000	4,454	SM490YB		U. FLG			L	
PL	230 x 22.0	7,214	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,219	1	172.700	287.000	287	SM490YB		U. RIB			S	
RB	D 16	600	14	1.579	0.947	13	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 32.0	340	1	251.200	16.600	17	SM490YB	57	H. H			S	
B. N	M 16	95	6		0.213	1	SS400		H. H	PLATING		B	
PL	2450 x 21.0	7,232	1	164.800	2920.000	2,920	SM490YB		L. FLG			L	
PL	230 x 22.0	7,212	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,214	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,216	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,219	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,221	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	140 x 12.0	2,353	1	94.200	31.000	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,351	1	94.200	31.000	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,288	1	109.900	22.700	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,353	1	109.900	23.800	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,376	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,310	1	109.900	23.000	23	SM400A		H. STIF			S	
PL	2367 x 16.0	7,274	1	125.600	2120.000	2,120	SM490YA	98	WEB			L	
PL	140 x 12.0	2,385	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,388	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	160 x 14.0	1,290	1	109.900	22.700	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,355	1	109.900	23.800	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,379	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,314	1	109.900	23.100	23	SM400A		H. STIF			S	
PL	2412 x 16.0	7,289	1	125.600	2164.000	2,164	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C10		S	
PL	1796 x 9.0	484	1	70.650	60.800	61	SM400A	99	CB-W	C10		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C10		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C10		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C10		S	
PL	878 x 9.0	484	1	70.650	30.000	30	SM400A		BR-W	C10		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C10		S	
PL	2386 x 9.0	2,190	1	70.650	369.000	369	SM400A		DIA	C10		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C10		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C10		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C10		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C10		S	
PL	450 x 9.0	2,197	1	70.650	69.100	69	SM400A	99	CR-W	R11		S	
PL	140 x 12.0	1,435	1	94.200	18.900	19	SM400A		CR-STF	R11		S	
PL	140 x 12.0	1,463	1	94.200	19.300	19	SM400A		CR-STF	R11		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R11		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R11		S	
PL	450 x 9.0	2,199	1	70.650	69.200	69	SM400A	99	CR-W	R12		S	
PL	140 x 12.0	1,429	1	94.200	18.800	19	SM400A		CR-STF	R12		S	
PL	140 x 12.0	1,470	1	94.200	19.400	19	SM400A		CR-STF	R12		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R12		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R12		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R12	S		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 8

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	11,658			
Small Shape	Number	50	Weight	3,360			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,252 mm					
1 Block Total			Weight	15,019 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 16.0	7,284	1	125.600	2242.000	2,242	SM490YA		U. FLG			L	
PL	230 x 22.0	7,265	1	172.700	289.000	289	SM490YB		U. RIB			S	
PL	230 x 22.0	7,272	1	172.700	289.000	289	SM490YB		U. RIB			S	
PL	230 x 22.0	5,047	1	172.700	201.000	201	SM490YB		U. RIB			S	
PL	230 x 22.0	5,052	1	172.700	201.000	201	SM490YB		U. RIB			S	
PL	230 x 22.0	5,057	1	172.700	201.000	201	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 16.0	340	1	125.600	8.280	8	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 11.0	7,284	1	86.350	1541.000	1,541	SM490YA		L. FLG			L	
PL	230 x 22.0	7,262	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,265	1	172.700	289.000	289	SM490YB		L. RIB			S	
PL	230 x 22.0	7,269	1	172.700	289.000	289	SM490YB		L. RIB			S	
PL	230 x 22.0	7,272	1	172.700	289.000	289	SM490YB		L. RIB			S	
PL	230 x 22.0	7,275	1	172.700	289.000	289	SM490YB		L. RIB			S	
PL	140 x 12.0	2,364	1	94.200	31.200	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,360	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,357	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,376	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,374	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,308	4	109.900	23.000	92	SM400A		H. STIF			S	
PL	160 x 14.0	416	2	109.900	7.310	15	SM400A		H. STIF			S	
PL	2361 x 14.0	7,318	1	109.900	1880.000	1,880	SM490YA	99	WEB			L	
PL	140 x 12.0	2,407	1	94.200	31.700	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,411	1	94.200	31.800	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,415	1	94.200	31.800	32	SM400A		V. STIF			S	
PL	160 x 14.0	1,379	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,378	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,313	4	109.900	23.100	92	SM400A		H. STIF			S	
PL	160 x 14.0	418	2	109.900	7.350	15	SM400A		H. STIF			S	
PL	2421 x 14.0	7,340	1	109.900	1914.000	1,914	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C11		S	
PL	1799 x 9.0	486	1	70.650	61.200	61	SM400A	99	CB-W	C11		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C11		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C11		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C11		S	
PL	882 x 9.0	486	1	70.650	30.300	30	SM400A		BR-W	C11		S	
PL	250 x 10.0	493	1	78.500	9.670	10	SM400A		BR-LF	C11		S	
PL	2409 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C11		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C11		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C11		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C11		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C11		S	
PL	450 x 9.0	2,203	1	70.650	69.300	69	SM400A	99	CR-W	R13		S	
PL	140 x 12.0	1,439	1	94.200	19.000	19	SM400A		CR-STF	R13		S	
PL	140 x 12.0	1,493	1	94.200	19.700	20	SM400A		CR-STF	R13		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R13		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R13		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 9

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,577			
Small Shape	Number	57	Weight	3,930			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,632 mm					
1 Block Total			Weight	11,508 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2452 x 11.0	7,273	1	86.350	1540.000	1,540	SM490YA		U. FLG			L	
PL	230 x 22.0	7,248	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,253	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,257	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,262	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,267	1	172.700	289.000	289	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 11.0	7,274	1	86.350	1539.000	1,539	SM490YA		L. FLG			L	
PL	230 x 22.0	3,588	1	172.700	143.000	143	SM490YB		L. RIB			S	
PL	230 x 22.0	7,253	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	3,592	1	172.700	143.000	143	SM490YB		L. RIB			S	
PL	230 x 22.0	7,262	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	3,597	1	172.700	143.000	143	SM490YB		L. RIB			S	
PL	140 x 12.0	2,359	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,321	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	417	2	94.200	5.500	11	SM400A		H. STIF			S	
PL	140 x 12.0	1,372	2	94.200	18.100	36	SM400A		H. STIF			S	
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,306	2	94.200	17.200	34	SM400A		H. STIF			S	
PL	140 x 12.0	416	1	94.200	5.490	5	SM400A		H. STIF			S	
PL	2358 x 12.0	7,299	1	94.200	1605.000	1,605	SM490YA	99	WEB			L	
PL	140 x 12.0	2,423	1	94.200	32.000	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,392	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	420	2	94.200	5.540	11	SM400A		H. STIF			S	
PL	140 x 12.0	1,377	3	94.200	18.200	55	SM400A		H. STIF			S	
PL	140 x 12.0	1,312	2	94.200	17.300	35	SM400A		H. STIF			S	
PL	140 x 12.0	419	1	94.200	5.530	6	SM400A		H. STIF			S	
PL	2430 x 12.0	7,330	1	94.200	1661.000	1,661	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C12		S	
PL	1802 x 9.0	488	1	70.650	61.500	62	SM400A	99	CB-W	C12		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C12		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C12		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C13		S	
PL	1806 x 9.0	488	1	70.650	61.600	62	SM400A	99	CB-W	C13		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C13		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C13		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C12		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C12		S	
PL	250 x 10.0	494	1	78.500	9.690	10	SM400A		BR-LF	C12		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C13		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C13		S	
PL	250 x 10.0	494	1	78.500	9.690	10	SM400A		BR-LF	C13		S	
PL	2421 x 9.0	2,190	1	70.650	375.000	375	SM400A		DIA	C12		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C12		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C12		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C12		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C12		S	
PL	2429 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C13		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C13		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C13		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C13		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C13		S	
PL	450 x 9.0	2,206	1	70.650	69.400	69	SM400A	99	CR-W	R14		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	140 x 12.0	1,438	1	94.200	19.000	19	SM400A		CR-STF	R14	S		
PL	140 x 12.0	1,505	1	94.200	19.800	20	SM400A		CR-STF	R14	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R14	S		
PL	150 x 10.0	2,192	1	78.500	25.800	26	SM400A		CR-F	R14	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R14	S		
Large Shape		Number	4		Weight	6,345							
Small Shape		Number	72		Weight	4,144							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
Tweld Length			58,516 mm										
1 Block Total					Weight	10,490 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2453 x 13.0	7,263	1	102.000	1818.000	1,818	SM490YA		U. FLG			L	
PL	230 x 22.0	7,235	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,241	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,246	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,252	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,258	1	172.700	288.000	288	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 13.0	340	1	102.000	6.720	7	SM490YA	57	H. H			S	
B. N	M 16	55	6		0.150	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	7,263	1	125.600	2234.000	2,234	SM490YA		L. FLG			L	
PL	230 x 22.0	7,241	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,252	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	140 x 12.0	2,316	1	94.200	29.600	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,312	1	94.200	29.600	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,309	1	94.200	29.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	414	1	94.200	5.460	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,304	2	94.200	17.200	34	SM400A		H. STIF			S	
PL	140 x 12.0	1,369	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,367	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	413	1	94.200	5.450	5	SM400A		H. STIF			S	
PL	2346 x 12.0	7,282	1	94.200	1593.000	1,593	SM490YA	99	WEB			L	
PL	140 x 12.0	2,394	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,397	1	94.200	30.700	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,401	1	94.200	30.700	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	417	1	94.200	5.500	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,310	2	94.200	17.300	35	SM400A		H. STIF			S	
PL	140 x 12.0	1,376	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,375	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	416	1	94.200	5.490	5	SM400A		H. STIF			S	
PL	2440 x 12.0	7,320	1	94.200	1666.000	1,666	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C14		S	
PL	1809 x 9.0	488	1	70.650	61.100	61	SM400A	98	CB-W	C14		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C14		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C14		S	
PL	350 x 10.0	370	1	78.500	7.620	8	SM490YA	75	BR-UF	C14		S	
PL	886 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C14		S	
PL	250 x 10.0	493	1	78.500	9.670	10	SM400A		BR-LF	C14		S	
PL	2434 x 9.0	2,190	1	70.650	377.000	377	SM400A		DIA	C14		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C14		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C14		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C14		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C14		S	
PL	450 x 9.0	2,210	1	70.650	69.600	70	SM400A	99	CR-W	R15		S	
PL	140 x 12.0	1,429	1	94.200	18.800	19	SM400A		CR-STF	R15		S	
PL	140 x 12.0	1,510	1	94.200	19.900	20	SM400A		CR-STF	R15		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R15		S	
PL	150 x 10.0	2,192	1	78.500	25.800	26	SM400A		CR-F	R15		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R15		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 11

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,311			
Small Shape	Number	50	Weight	3,171			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,408 mm					
1 Block Total			Weight	10,483 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 12

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 13.0	7,253	1	102.000	1816.000	1,816	SM490YA		U. FLG			L	
PL	230 x 22.0	7,222	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,229	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,236	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,243	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,250	1	172.700	288.000	288	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 13.0	340	1	102.000	6.720	7	SM490YA	57	H. H			S	
B. N	M 16	55	6		0.150	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	7,253	1	125.600	2232.000	2,232	SM490YA		L. FLG			L	
PL	230 x 22.0	7,229	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,243	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	140 x 12.0	2,306	1	94.200	29.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,303	1	94.200	29.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	349	1	94.200	4.600	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,302	1	94.200	17.200	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,367	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,299	1	94.200	17.100	17	SM400A		H. STIF			S	
PL	140 x 12.0	348	1	94.200	4.590	5	SM400A		H. STIF			S	
PL	2337 x 12.0	7,265	1	94.200	1584.000	1,584	SM490YA	99	WEB			L	
PL	140 x 12.0	2,405	1	94.200	30.800	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,408	1	94.200	30.800	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	353	1	94.200	4.660	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,309	1	94.200	17.300	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,375	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,374	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,308	1	94.200	17.200	17	SM400A		H. STIF			S	
PL	140 x 12.0	352	1	94.200	4.640	5	SM400A		H. STIF			S	
PL	2449 x 12.0	7,310	1	94.200	1669.000	1,669	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C15		S	
PL	1812 x 9.0	488	1	70.650	61.200	61	SM400A	98	CB-W	C15		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C15		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C15		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C15		S	
PL	886 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C15		S	
PL	250 x 10.0	493	1	78.500	9.670	10	SM400A		BR-LF	C15		S	
PL	2441 x 9.0	2,190	1	70.650	378.000	378	SM400A		DIA	C15		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C15		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C15		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C15		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C15		S	
PL	450 x 9.0	2,213	1	70.650	69.600	70	SM400A	99	CR-W	R16		S	
PL	140 x 12.0	1,423	1	94.200	18.800	19	SM400A		CR-STF	R16		S	
PL	140 x 12.0	1,518	1	94.200	20.000	20	SM400A		CR-STF	R16		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R16		S	
PL	150 x 10.0	2,193	1	78.500	25.800	26	SM400A		CR-F	R16		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R16		S	
PL	449 x 9.0	2,217	1	70.650	68.900	69	SM400A	98	CR-W	R17		S	
PL	140 x 12.0	1,417	1	94.200	18.700	19	SM400A		CR-STF	R17		S	
PL	140 x 12.0	1,525	1	94.200	20.100	20	SM400A		CR-STF	R17		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R17		S	
PL	150 x 10.0	2,194	1	78.500	25.800	26	SM400A		CR-F	R17		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R17		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 12

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,301			
Small Shape	Number	54	Weight	3,336			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,300 mm					
1 Block Total			Weight	10,638 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 13.0	7,244	1	102.000	1814.000	1,814	SM490YA		U. FLG			L	
PL	230 x 22.0	7,211	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,219	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,227	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,235	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,243	1	172.700	288.000	288	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 13.0	340	1	102.000	6.720	7	SM490YA	57	H. H			S	
B. N	M 16	55	6		0.150	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	7,244	1	125.600	2229.000	2,229	SM490YA		L. FLG			L	
PL	230 x 22.0	7,219	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,235	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	140 x 12.0	2,300	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,297	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,295	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	411	1	94.200	5.420	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,363	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,297	2	94.200	17.100	34	SM400A		H. STIF			S	
PL	140 x 12.0	411	1	94.200	5.420	5	SM400A		H. STIF			S	
PL	2328 x 12.0	7,251	1	94.200	1574.000	1,574	SM490YA	99	WEB			L	
PL	140 x 12.0	2,412	1	94.200	30.900	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,415	1	94.200	30.900	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,418	1	94.200	30.900	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	416	1	94.200	5.490	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,374	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,373	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,307	2	94.200	17.200	34	SM400A		H. STIF			S	
PL	140 x 12.0	416	1	94.200	5.490	5	SM400A		H. STIF			S	
PL	2456 x 12.0	7,306	1	94.200	1673.000	1,673	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C16		S	
PL	1815 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C16		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C16		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C16		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C16		S	
PL	886 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C16		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C16		S	
PL	2448 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C16		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C16		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C16		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C16		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C16		S	
PL	449 x 9.0	2,220	1	70.650	69.000	69	SM400A	98	CR-W	R18		S	
PL	140 x 12.0	1,411	1	94.200	18.600	19	SM400A		CR-STF	R18		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R18		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R18		S	
PL	150 x 10.0	2,194	1	78.500	25.800	26	SM400A		CR-F	R18		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R18		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 13

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,290			
Small Shape	Number	50	Weight	3,162			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,228 mm					
1 Block Total			Weight	10,453 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 11.0	7,240	1	86.350	1534.000	1,534	SM490YA		U. FLG			L	
PL	230 x 22.0	7,207	1	172.700	286.000	286	SM490YB		U. RIB			S	
PL	230 x 22.0	7,215	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,224	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,232	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	7,240	1	172.700	288.000	288	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 11.0	7,240	1	86.350	1532.000	1,532	SM490YA		L. FLG			L	
PL	230 x 22.0	7,215	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,232	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	3,566	1	172.700	142.000	142	SM490YB		L. RIB			S	
PL	230 x 22.0	3,574	1	172.700	142.000	142	SM490YB		L. RIB			S	
PL	230 x 22.0	3,582	1	172.700	142.000	142	SM490YB		L. RIB			S	
PL	140 x 12.0	2,296	2	94.200	29.400	59	SM400A	97	V. STIF			S	
PL	140 x 12.0	412	1	94.200	5.430	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,363	3	94.200	18.000	54	SM400A		H. STIF			S	
PL	140 x 12.0	1,297	2	94.200	17.100	34	SM400A		H. STIF			S	
PL	140 x 12.0	412	2	94.200	5.430	11	SM400A		H. STIF			S	
PL	2324 x 12.0	7,252	1	94.200	1571.000	1,571	SM490YA	99	WEB			L	
PL	140 x 12.0	2,420	2	94.200	31.000	62	SM400A	97	V. STIF			S	
PL	140 x 12.0	417	1	94.200	5.500	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,373	3	94.200	18.100	54	SM400A		H. STIF			S	
PL	140 x 12.0	1,307	2	94.200	17.200	34	SM400A		H. STIF			S	
PL	140 x 12.0	417	2	94.200	5.500	11	SM400A		H. STIF			S	
PL	2456 x 12.0	7,304	1	94.200	1673.000	1,673	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C17		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C17		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C17		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C17		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C18		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C18		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C18		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C18		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C17		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C17		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C17		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C18		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C18		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C18		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C17		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C17		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C17		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C17		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C17		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C18		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C18		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C18		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C18		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C18		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R19		S	
PL	140 x 12.0	1,412	1	94.200	18.600	19	SM400A		CR-STF	R19		S	
PL	140 x 12.0	1,535	1	94.200	20.200	20	SM400A		CR-STF	R19		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R19		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R19	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R19	S		
	Large Shape	Number	4		Weight	6,310							
	Small Shape	Number	72		Weight	4,135							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		58,224 mm										
1 Block Total					Weight	10,446 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	2454 x 17.0	7,240	1	133.400	2371.000	2,371	SM490YB		U. FLG			L	
PL	230 x 22.0	5,010	1	172.700	199.000	199	SM490YB		U. RIB			S	
PL	230 x 22.0	7,215	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	5,022	1	172.700	199.000	199	SM490YB		U. RIB			S	
PL	230 x 22.0	7,231	1	172.700	287.000	287	SM490YB		U. RIB			S	
PL	230 x 22.0	5,034	1	172.700	200.000	200	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 17.0	340	1	133.400	8.790	9	SM490YB	57	H. H			S	
B. N	M 16	65	6		0.166	1	SS400		H. H	PLATING		B	
PL	2450 x 11.0	7,240	1	86.350	1532.000	1,532	SM490YA		L. FLG			L	
PL	230 x 22.0	7,206	1	172.700	286.000	286	SM490YB		L. RIB			S	
PL	230 x 22.0	7,215	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,223	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,231	1	172.700	287.000	287	SM490YB		L. RIB			S	
PL	230 x 22.0	7,240	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	140 x 12.0	2,325	3	94.200	30.700	92	SM400A		V. STIF			S	
PL	160 x 14.0	411	2	109.900	7.230	14	SM400A		H. STIF			S	
PL	160 x 14.0	1,297	4	109.900	22.800	91	SM400A		H. STIF			S	
PL	160 x 14.0	1,363	2	109.900	24.000	48	SM400A		H. STIF			S	
PL	2324 x 14.0	7,248	1	109.900	1832.000	1,832	SM490YA	99	WEB			L	
PL	140 x 12.0	2,449	3	94.200	32.300	97	SM400A		V. STIF			S	
PL	160 x 14.0	416	2	109.900	7.310	15	SM400A		H. STIF			S	
PL	160 x 14.0	1,307	4	109.900	23.000	92	SM400A		H. STIF			S	
PL	160 x 14.0	1,373	2	109.900	24.100	48	SM400A		H. STIF			S	
PL	2456 x 14.0	7,300	1	109.900	1951.000	1,951	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C19		S	
PL	1817 x 9.0	486	1	70.650	61.100	61	SM400A	98	CB-W	C19		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C19		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C19		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C19		S	
PL	881 x 9.0	486	1	70.650	30.300	30	SM400A		BR-W	C19		S	
PL	250 x 10.0	490	1	78.500	9.620	10	SM400A		BR-LF	C19		S	
PL	2449 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C19		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C19		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C19		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C19		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C19		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R20		S	
PL	140 x 12.0	1,406	1	94.200	18.500	18	SM400A		CR-STF	R20		S	
PL	140 x 12.0	1,529	1	94.200	20.200	20	SM400A		CR-STF	R20		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R20		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R20		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R20		S	
	Large Shape	Number	4		Weight	7,686							
	Small Shape	Number	57		Weight	3,916							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	Tweld Length	58,192 mm											

1 Block Total Weight 11,603 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 16

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 34.0	7,178	1	266.900	4700.000	4,700	SM490YB		U. FLG			L	
PL	230 x 22.0	7,152	1	172.700	284.000	284	SM490YB		U. RIB			S	
PL	230 x 22.0	7,169	1	172.700	285.000	285	SM490YB		U. RIB			S	
RB	D 16	600	14	1.579	0.947	13	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 34.0	340	1	266.900	17.600	18	SM490YB	57	H. H			S	
B. N	M 16	100	6		0.221	1	SS400		H. H	PLATING		B	
PL	2450 x 21.0	7,178	1	164.800	2899.000	2,899	SM490YB		L. FLG			L	
PL	230 x 22.0	7,144	1	172.700	284.000	284	SM490YB		L. RIB			S	
PL	230 x 22.0	7,152	1	172.700	284.000	284	SM490YB		L. RIB			S	
PL	230 x 22.0	7,161	1	172.700	284.000	284	SM490YB		L. RIB			S	
PL	230 x 22.0	7,169	1	172.700	285.000	285	SM490YB		L. RIB			S	
PL	230 x 22.0	7,177	1	172.700	285.000	285	SM490YB		L. RIB			S	
PL	140 x 12.0	2,308	2	94.200	30.400	61	SM400A		V. STIF			S	
PL	160 x 14.0	1,297	1	109.900	22.800	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,363	1	109.900	24.000	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,338	1	109.900	23.500	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,272	1	109.900	22.400	22	SM400A		H. STIF			S	
PL	2324 x 16.0	7,183	1	125.600	2054.000	2,054	SM490YA	98	WEB			L	
PL	140 x 12.0	2,432	2	94.200	32.100	64	SM400A		V. STIF			S	
PL	160 x 14.0	1,307	1	109.900	23.000	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,373	1	109.900	24.100	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,348	1	109.900	23.700	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,282	1	109.900	22.500	22	SM400A		H. STIF			S	
PL	2456 x 16.0	7,234	1	125.600	2187.000	2,187	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C20		S	
PL	1817 x 9.0	484	1	70.650	60.900	61	SM400A	98	CB-W	C20		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C20		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	C20		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C20		S	
PL	864 x 9.0	484	1	70.650	29.500	30	SM400A		BR-W	C20		S	
PL	250 x 10.0	488	1	78.500	9.580	10	SM400A		BR-LF	C20		S	
PL	2432 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C20		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C20		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C20		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C20		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C20		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R21		S	
PL	140 x 12.0	1,389	1	94.200	18.300	18	SM400A		CR-STF	R21		S	
PL	140 x 12.0	1,512	1	94.200	19.900	20	SM400A		CR-STF	R21		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R21		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R21		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R21		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R22		S	
PL	140 x 12.0	1,389	1	94.200	18.300	18	SM400A		CR-STF	R22		S	
PL	140 x 12.0	1,512	1	94.200	19.900	20	SM400A		CR-STF	R22		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R22		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R22		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R22		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 16

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	11,840			
Small Shape	Number	50	Weight	3,347			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		57,668 mm					
1 Block Total			Weight	15,188 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 17

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 36.0	8,007	1	282.600	5553.000	5,553	SM490YB		U. FLG			L	
PL	260 x 25.0	7,980	1	196.200	407.000	407	SM490YB		U. RIB			S	
PL	260 x 25.0	7,999	1	196.200	408.000	408	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 36.0	340	1	282.600	18.600	19	SM490YB	57	H. H			S	
B. N	M 16	100	6		0.221	1	SS400		H. H	PLATING		B	
PL	2450 x 27.0	8,007	1	212.000	4159.000	4,159	SM490YB		L. FLG			L	
PL	260 x 25.0	7,971	1	196.200	407.000	407	SM490YB		L. RIB			S	
PL	260 x 25.0	7,980	1	196.200	407.000	407	SM490YB		L. RIB			S	
PL	260 x 25.0	7,990	1	196.200	408.000	408	SM490YB		L. RIB			S	
PL	260 x 25.0	7,999	1	196.200	408.000	408	SM490YB		L. RIB			S	
PL	260 x 25.0	8,008	1	196.200	408.000	408	SM490YB		L. RIB			S	
PL	1210 x 40.0	1,210	1	314.000	460.000	460	SM490B		SOLE			S	
PL	120 x 22.0	2,190	2	172.700	45.400	91	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	354	4	47.100	0.834	3	SM400A		DRAIN			S	
PL	50 x 6.0	359	1	47.100	0.845	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,306	2	94.200	30.400	61	SM400A		V. STIF			S	
PL	160 x 14.0	1,329	1	109.900	23.400	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,206	1	109.900	21.200	21	SM400A		H. STIF			S	
PL	160 x 14.0	1,149	2	109.900	20.200	40	SM400A		H. STIF			S	
PL	160 x 14.0	1,214	1	109.900	21.300	21	SM400A		H. STIF			S	
PL	2324 x 16.0	8,006	1	125.600	2291.000	2,291	SM490YA	98	WEB			L	
PL	140 x 12.0	2,430	2	94.200	32.000	64	SM400A		V. STIF			S	
PL	160 x 14.0	1,339	1	109.900	23.500	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,215	1	109.900	21.400	21	SM400A		H. STIF			S	
PL	160 x 14.0	1,158	2	109.900	20.400	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,224	1	109.900	21.500	22	SM400A		H. STIF			S	
PL	2456 x 16.0	8,063	1	125.600	2437.000	2,437	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C21		S	
PL	1817 x 9.0	484	1	70.650	60.900	61	SM400A	98	CB-W	C21		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C21		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	C21		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	PF4		S	
PL	1817 x 9.0	484	1	70.650	60.900	61	SM400A	98	CB-W	PF4		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	PF4		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	PF4		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C21		S	
PL	862 x 9.0	484	1	70.650	29.500	30	SM400A		BR-W	C21		S	
PL	250 x 10.0	488	1	78.500	9.580	10	SM400A		BR-LF	C21		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	PF4		S	
PL	862 x 9.0	484	1	70.650	29.500	30	SM400A		BR-W	PF4		S	
PL	250 x 10.0	488	1	78.500	9.580	10	SM400A		BR-LF	PF4		S	
PL	2430 x 26.0	2,190	1	204.100	1086.000	1,086	SM490YB		DIA	PF4		S	
PL	730 x 20.0	1,030	2	157.000	50.800	102	SM400A	43	M. H	PF3		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	PF4		S	
PL	112 x 12.0	300	2	94.200	3.170	6	SM400A		D. FBF	PF4		S	
PL	280 x 28.0	2,061	4	219.800	127.000	508	SM490YB		S. STF	PF4		S	
PL	2430 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C21		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C21		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C21		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C21		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C21		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 17

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R23		S	
PL	140 x 12.0	1,387	1	94.200	18.300	18	SM400A		CR-STF	R23		S	
PL	140 x 12.0	1,510	1	94.200	19.900	20	SM400A		CR-STF	R23		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R23		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R23		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R23		S	
PL	200 x 20.0	2,300	2	157.000	72.200	144	SM490YB		JACKUP			S	
PL	200 x 20.0	2,300	2	157.000	72.200	144	SM490YB		JACKUP			S	
PL	200 x 20.0	2,432	2	157.000	76.400	153	SM490YB		JACKUP			S	
PL	200 x 20.0	2,432	2	157.000	76.400	153	SM490YB		JACKUP			S	
PL	250 x 26.0	250	4	204.100	12.800	51	SM400A		BASEPL			S	
	Large Shape	Number	4		Weight	14,440							
	Small Shape	Number	90		Weight	7,174							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		64,276 mm										
1 Block Total					Weight	21,615 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 18

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 20.0	8,094	1	157.000	3118.000	3,118	SM490YB		U. FLG			L	
PL	230 x 22.0	8,066	1	172.700	320.000	320	SM490YB		U. RIB			S	
PL	230 x 22.0	8,085	1	172.700	321.000	321	SM490YB		U. RIB			S	
PL	230 x 22.0	3,317	1	172.700	132.000	132	SM490YB		U. RIB			S	
PL	230 x 22.0	3,325	1	172.700	132.000	132	SM490YB		U. RIB			S	
PL	230 x 22.0	3,333	1	172.700	132.000	132	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 20.0	340	1	157.000	10.300	10	SM490YB	57	H. H			S	
B. N	M 16	70	6		0.174	1	SS400		H. H	PLATING		B	
PL	2450 x 14.0	8,094	1	109.900	2179.000	2,179	SM490YA		L. FLG			L	
PL	230 x 22.0	8,057	1	172.700	320.000	320	SM490YB		L. RIB			S	
PL	230 x 22.0	8,066	1	172.700	320.000	320	SM490YB		L. RIB			S	
PL	230 x 22.0	8,075	1	172.700	321.000	321	SM490YB		L. RIB			S	
PL	230 x 22.0	8,085	1	172.700	321.000	321	SM490YB		L. RIB			S	
PL	230 x 22.0	8,094	1	172.700	322.000	322	SM490YB		L. RIB			S	
PL	140 x 12.0	2,322	3	94.200	30.600	92	SM400A		V. STIF			S	
PL	140 x 12.0	1,198	3	94.200	15.800	47	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	2	94.200	16.700	33	SM400A		H. STIF			S	
PL	2324 x 14.0	8,088	1	109.900	2045.000	2,045	SM490YA	99	WEB			L	
PL	140 x 12.0	2,446	3	94.200	32.300	97	SM400A		V. STIF			S	
PL	140 x 12.0	1,208	3	94.200	15.900	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	2	94.200	16.800	34	SM400A		H. STIF			S	
PL	2456 x 14.0	8,146	1	109.900	2177.000	2,177	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C22		S	
PL	1817 x 9.0	486	1	70.650	61.100	61	SM400A	98	CB-W	C22		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C22		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C22		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C22		S	
PL	878 x 9.0	486	1	70.650	30.100	30	SM400A		BR-W	C22		S	
PL	250 x 10.0	490	1	78.500	9.620	10	SM400A		BR-LF	C22		S	
PL	2446 x 9.0	2,190	1	70.650	378.000	378	SM400A		DIA	C22		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C22		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C22		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C22		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C22		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R24		S	
PL	140 x 12.0	1,403	1	94.200	18.500	18	SM400A		CR-STF	R24		S	
PL	140 x 12.0	1,526	1	94.200	20.100	20	SM400A		CR-STF	R24		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R24		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R24		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R24		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R25		S	
PL	140 x 12.0	1,403	1	94.200	18.500	18	SM400A		CR-STF	R25		S	
PL	140 x 12.0	1,526	1	94.200	20.100	20	SM400A		CR-STF	R25		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R25		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R25		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R25		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 18

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	9,519			
Small Shape	Number	57	Weight	4,035			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		64,936 mm					
1 Block Total			Weight	13,555 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 19

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 11.0	8,094	1	86.350	1715.000	1,715	SM490YA		U. FLG			L	
PL	190 x 19.0	8,056	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,066	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,075	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,084	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,094	1	149.200	229.000	229	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,094	1	78.500	1557.000	1,557	SM490YA		L. FLG			L	
PL	190 x 19.0	7,354	1	149.200	208.000	208	SM490YB		L. RIB			S	
PL	190 x 19.0	8,066	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	190 x 19.0	7,371	1	149.200	209.000	209	SM490YB		L. RIB			S	
PL	190 x 19.0	8,084	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	190 x 19.0	7,388	1	149.200	209.000	209	SM490YB		L. RIB			S	
PL	140 x 12.0	2,331	2	94.200	30.700	61	SM400A		V. STIF			S	
PL	140 x 12.0	2,296	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	361	2	94.200	4.760	10	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	5	94.200	16.700	84	SM400A		H. STIF			S	
PL	140 x 12.0	1,198	3	94.200	15.800	47	SM400A		H. STIF			S	
PL	140 x 12.0	363	1	94.200	4.790	5	SM400A		H. STIF			S	
PL	2325 x 12.0	8,084	1	94.200	1753.000	1,753	SM490YA	99	WEB			L	
PL	140 x 12.0	2,455	2	94.200	32.400	65	SM400A		V. STIF			S	
PL	140 x 12.0	2,420	1	94.200	31.000	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	366	2	94.200	4.830	10	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	5	94.200	16.800	84	SM400A		H. STIF			S	
PL	140 x 12.0	1,208	3	94.200	15.900	48	SM400A		H. STIF			S	
PL	140 x 12.0	367	1	94.200	4.840	5	SM400A		H. STIF			S	
PL	2457 x 12.0	8,142	1	94.200	1865.000	1,865	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C23		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C23		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C23		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C23		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C24		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C24		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C24		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C24		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C23		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C23		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C23		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C24		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C24		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C24		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C23		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C23		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C23		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C23		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C23		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C24		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C24		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C24		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C24		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C24		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R26		S	
PL	140 x 12.0	1,412	1	94.200	18.600	19	SM400A		CR-STF	R26		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	140 x 12.0	1,535	1	94.200	20.200	20	SM400A		CR-STF	R26	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R26	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R26	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R26	S		
	Large Shape	Number	4		Weight	6,890							
	Small Shape	Number	80		Weight	4,079							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		64,904 mm										
1 Block Total					Weight	10,970 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	2454 x 14.0	8,093	1	109.900	2183.000	2,183	SM490YA		U. FLG			L	
PL	190 x 19.0	8,056	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,074	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,084	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,093	1	149.200	229.000	229	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,093	1	125.600	2491.000	2,491	SM490YA		L. FLG			L	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	190 x 19.0	8,084	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	140 x 12.0	2,293	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	361	1	94.200	4.760	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,198	3	94.200	15.800	47	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	2	94.200	16.700	33	SM400A		H. STIF			S	
PL	2324 x 12.0	8,081	1	94.200	1751.000	1,751	SM490YA	99	WEB			L	
PL	140 x 12.0	2,417	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	366	1	94.200	4.830	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,208	3	94.200	15.900	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	2	94.200	16.800	34	SM400A		H. STIF			S	
PL	2456 x 12.0	8,138	1	94.200	1864.000	1,864	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C25		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C25		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C25		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C25		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C25		S	
PL	885 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C25		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C25		S	
PL	2452 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C25		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C25		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C25		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C25		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C25		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R27		S	
PL	140 x 12.0	1,409	1	94.200	18.600	19	SM400A		CR-STF	R27		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R27		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R27		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R27		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R27		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R28		S	
PL	140 x 12.0	1,409	1	94.200	18.600	19	SM400A		CR-STF	R28		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R28		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R28		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R28		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R28		S	
	Large Shape	Number	4		Weight	8,289							
	Small Shape	Number	56		Weight	2,999							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		64,876 mm										

1 Block Total

Weight 11,289 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 21

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 14.0	8,093	1	109.900	2183.000	2,183	SM490YA		U. FLG			L	
PL	190 x 19.0	8,055	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,074	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,083	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,093	1	149.200	229.000	229	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,093	1	125.600	2491.000	2,491	SM490YA		L. FLG			L	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	190 x 19.0	8,083	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	140 x 12.0	2,293	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	361	1	94.200	4.760	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	3	94.200	16.700	50	SM400A		H. STIF			S	
PL	140 x 12.0	1,198	2	94.200	15.800	32	SM400A		H. STIF			S	
PL	140 x 12.0	363	1	94.200	4.790	5	SM400A		H. STIF			S	
PL	2324 x 12.0	8,077	1	94.200	1750.000	1,750	SM490YA	99	WEB			L	
PL	140 x 12.0	2,417	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	366	1	94.200	4.830	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	3	94.200	16.800	50	SM400A		H. STIF			S	
PL	140 x 12.0	1,208	2	94.200	15.900	32	SM400A		H. STIF			S	
PL	140 x 12.0	367	1	94.200	4.840	5	SM400A		H. STIF			S	
PL	2456 x 12.0	8,134	1	94.200	1863.000	1,863	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C26		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C26		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C26		S	
PL	100 x 10.0	264	2	78.500	2.070	4	SM400A		CB-HS	C26		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C27		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C27		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C27		S	
PL	100 x 10.0	264	2	78.500	2.070	4	SM400A		CB-HS	C27		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C26		S	
PL	885 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C26		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C26		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C27		S	
PL	885 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C27		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C27		S	
PL	2452 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C26		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C26		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C26		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C26		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C26		S	
PL	2452 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C27		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C27		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C27		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C27		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C27		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R29		S	
PL	140 x 12.0	1,409	1	94.200	18.600	19	SM400A		CR-STF	R29		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R29		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R29		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R29		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R29		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 21

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,287			
Small Shape	Number	69	Weight	3,336			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		64,844 mm					
1 Block Total			Weight	11,624 Kg			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 22

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	2454 x 14.0	8,093	1	109.900	2183.000	2,183	SM490YA		U. FLG			L	
PL	190 x 19.0	8,055	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,074	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,083	1	149.200	229.000	229	SM490YB		U. RIB			S	
PL	190 x 19.0	8,093	1	149.200	229.000	229	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 14.0	8,093	1	109.900	2179.000	2,179	SM490YA		L. FLG			L	
PL	190 x 19.0	8,065	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	190 x 19.0	8,083	1	149.200	229.000	229	SM490YB		L. RIB			S	
PL	140 x 12.0	2,293	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	361	1	94.200	4.760	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,198	3	94.200	15.800	47	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	2	94.200	16.700	33	SM400A		H. STIF			S	
PL	2324 x 12.0	8,077	1	94.200	1750.000	1,750	SM490YA	99	WEB			L	
PL	140 x 12.0	2,417	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	366	1	94.200	4.830	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,208	3	94.200	15.900	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	2	94.200	16.800	34	SM400A		H. STIF			S	
PL	2456 x 12.0	8,134	1	94.200	1863.000	1,863	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C28		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C28		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C28		S	
PL	100 x 10.0	264	2	78.500	2.070	4	SM400A		CB-HS	C28		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C28		S	
PL	885 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C28		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C28		S	
PL	2452 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C28		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C28		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C28		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C28		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C28		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R30		S	
PL	140 x 12.0	1,409	1	94.200	18.600	19	SM400A		CR-STF	R30		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R30		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R30		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R30		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R30		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R31		S	
PL	140 x 12.0	1,409	1	94.200	18.600	19	SM400A		CR-STF	R31		S	
PL	140 x 12.0	1,532	1	94.200	20.200	20	SM400A		CR-STF	R31		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R31		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R31		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R31		S	
	Large Shape	Number	4		Weight	7,975							
	Small Shape	Number	56		Weight	2,999							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	Tweld Length	64,844 mm											

1 Block Total

Weight 10,975 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 23

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 10.0	8,012	1	78.500	1543.000	1,543	SM490YA		U. FLG			L	
PL	190 x 19.0	7,970	1	149.200	226.000	226	SM490YB		U. RIB			S	
PL	190 x 19.0	7,979	1	149.200	226.000	226	SM490YB		U. RIB			S	
PL	190 x 19.0	7,989	1	149.200	226.000	226	SM490YB		U. RIB			S	
PL	190 x 19.0	7,998	1	149.200	227.000	227	SM490YB		U. RIB			S	
PL	190 x 19.0	8,007	1	149.200	227.000	227	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	2450 x 10.0	8,012	1	78.500	1541.000	1,541	SM490YA		L. FLG			L	
PL	190 x 19.0	7,979	1	149.200	226.000	226	SM490YB		L. RIB			S	
PL	190 x 19.0	7,998	1	149.200	227.000	227	SM490YB		L. RIB			S	
PL	190 x 19.0	3,235	1	149.200	91.700	92	SM490YB		L. RIB			S	
PL	190 x 19.0	3,242	1	149.200	91.900	92	SM490YB		L. RIB			S	
PL	190 x 19.0	3,249	1	149.200	92.100	92	SM490YB		L. RIB			S	
PL	810 x 28.0	760	1	219.800	135.000	135	SM490B		SOLE			S	
PL	120 x 14.0	2,190	2	109.900	28.900	58	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	140 x 12.0	2,297	2	94.200	29.400	59	SM400A	97	V. STIF			S	
PL	140 x 12.0	361	1	94.200	4.760	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,264	1	94.200	16.700	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,261	1	94.200	16.600	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,196	2	94.200	15.800	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,260	1	94.200	16.600	17	SM400A		H. STIF			S	
PL	2324 x 12.0	7,996	1	94.200	1733.000	1,733	SM490YA	99	WEB			L	
PL	140 x 12.0	2,421	2	94.200	31.000	62	SM400A	97	V. STIF			S	
PL	140 x 12.0	366	1	94.200	4.830	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,273	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,272	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,206	2	94.200	15.900	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,270	1	94.200	16.700	17	SM400A		H. STIF			S	
PL	2456 x 12.0	8,052	1	94.200	1845.000	1,845	SM490YA	99	WEB			L	
PL	420 x 16.0	371	1	125.600	17.200	17	SM490YA	88	CB-UF	S2		S	
PL	1813 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	S2		S	
PL	320 x 16.0	488	1	125.600	19.400	19	SM400A	99	CB-LF	S2		S	
PL	100 x 10.0	264	2	78.500	2.070	4	SM400A		CB-HS	S2		S	
PL	350 x 12.0	370	1	94.200	9.150	9	SM490YA	75	CB-UF	C29		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C29		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C29		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C29		S	
PL	350 x 10.0	371	1	78.500	7.540	8	SM490YA	74	BR-UF	S2		S	
PL	889 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	S2		S	
PL	250 x 10.0	493	1	78.500	9.670	10	SM400A		BR-LF	S2		S	
PL	350 x 10.0	371	1	78.500	7.640	8	SM490YA	75	BR-UF	C29		S	
PL	889 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C29		S	
PL	250 x 10.0	492	1	78.500	9.660	10	SM400A		BR-LF	C29		S	
PL	2456 x 12.0	2,190	1	94.200	507.000	507	SM490YA		DIA	S2		S	
PL	119 x 10.0	300	2	78.500	2.800	6	SM400A		D. FBF	S2		S	
PL	154 x 16.0	300	1	125.600	5.800	6	SM400A		D. FBF	S2		S	
PL	154 x 16.0	300	1	125.600	5.800	6	SM400A		D. FBF	S2		S	
PL	160 x 16.0	2,090	4	125.600	42.000	168	SM490YA		S. STF	S2		S	
PL	700 x 12.0	1,000	2	94.200	28.400	57	SM400A	43	M. H	S2		S	
PL	480 x 9.0	680	1	70.650	19.100	19	SM400A	83	M. H	S2		S	
PL	150 x 9.0	400	2	70.650	3.390	7	SM400A	80	M. H	S2		S	
PL	80 x 9.0	110	2	70.650	0.622	1	SM400A		M. H	S2		S	
RB	D 13	310	1	1.042	0.323	1	SS400		M. H	S2		S	
B. N	M 16	40	4		0.127	1	SUS304		M. H	S2		B	
SP5	20A	280	1	1.051	0.294	1	SUS304		M. H	S2		S	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 23

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
WPIN	5.0	36	2		0.006	1	SUS304		M. H	S2	B		
PL	2456 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C29	S		
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C29	S		
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C29	S		
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C29	S		
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C29	S		
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R32	S		
PL	140 x 12.0	1,413	1	94.200	18.600	19	SM400A		CR-STF	R32	S		
PL	140 x 12.0	1,536	1	94.200	20.300	20	SM400A		CR-STF	R32	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R32	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R32	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R32	S		
PL	200 x 14.0	2,326	2	109.900	51.100	102	SM490YA		JACKUP		S		
PL	200 x 14.0	2,458	2	109.900	54.000	108	SM490YA		JACKUP		S		
PL	250 x 24.0	250	1	188.400	11.800	12	SM400A		BASEPL		S		
PL	250 x 24.0	250	1	188.400	11.800	12	SM400A		BASEPL		S		

Large Shape	Number	4	Weight	6,662
Small Shape	Number	86	Weight	4,438
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	64,192 mm			

1 Block Total Weight 11,102 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 HANG 1

Form	Size (mm)		Lg Nb		U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	100	x 9.0	120	300	70.650	0.848	254	SM400A		HANG			S. W	
PL	100	x 9.0	270	400	70.650	1.910	764	SM400A		HANG			S. W	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	0		Weight	1,018							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint		0 mm											
	Tweld Length		0 mm											
1 Block Total						Weight	1,018 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 DRAIN 1

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	40	x 40	x 3.0	800	1	1.834	1.470	1	SS400		U. FLG	PLATING	S		
PL	65	x 6.0		320	1	47.100	0.980	1	SM400A		U. FLG	PLATING	S		
PL	25	x 4.5		1,750	1	35.320	1.550	2	SM400A		U. FLG		S		
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	3		Weight	4							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	Tweld Length				0 mm										
1 Block Total							Weight	4 Kg							
22 Block Total							Weight	88 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 1

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305	x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 8.0	240	1	62.800	36.800	37	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2301	x 9.0	480	1	70.650	78.000	78	SM490YA		W. SPL			S	
PL	2301	x 9.0	480	1	70.650	78.000	78	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2238	x 9.0	480	1	70.650	75.900	76	SM490YA		W. SPL			S	
PL	2238	x 9.0	480	1	70.650	75.900	76	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	700	10	125.600	10.100	101	SM490YA		UR. SPL			S	
TCB	M 22		90	50		0.583	29	S10T		U. RIB			B	
PL	115	x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22		95	24		0.598	14	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	775							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,082 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL		S		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
TCB	M 22	70	144		0.523	75	S10T		U. FLG		B		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	150		0.538	81	S10T		L. FLG		B		
PL	2296 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL		S		
PL	2296 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	2243 x 9.0	480	1	70.650	76.100	76	SM490YA		W. SPL		S		
PL	2243 x 9.0	480	1	70.650	76.100	76	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	115 x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL		S		
TCB	M 22	90	60		0.583	35	S10T		U. RIB		B		
PL	115 x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL		S		
TCB	M 22	95	24		0.598	14	S10T		L. RIB		B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	884							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,249 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL		S		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
TCB	M 22	70	144		0.523	75	S10T		U. FLG		B		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	150		0.538	81	S10T		L. FLG		B		
PL	2290 x 9.0	480	1	70.650	77.600	78	SM490YA		W. SPL		S		
PL	2290 x 9.0	480	1	70.650	77.600	78	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	2248 x 9.0	480	1	70.650	76.200	76	SM490YA		W. SPL		S		
PL	2248 x 9.0	480	1	70.650	76.200	76	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	115 x 16.0	960	10	125.600	13.900	139	SM490YA		UR. SPL		S		
TCB	M 22	90	70		0.583	41	S10T		U. RIB		B		
PL	115 x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL		S		
TCB	M 22	95	24		0.598	14	S10T		L. RIB		B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	903							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,274 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 4

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 3.2	165	2	25.120	0.332	1	SS400		FILL			S	
PL	305	x 3.2	165	6	25.120	1.260	8	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 8.0	240	1	62.800	36.800	37	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2281	x 9.0	480	1	70.650	77.400	77	SM490YA		W. SPL			S	
PL	2281	x 9.0	480	1	70.650	77.400	77	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2256	x 9.0	480	1	70.650	76.500	76	SM490YA		W. SPL			S	
PL	2256	x 9.0	480	1	70.650	76.500	76	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	960	10	125.600	13.900	139	SM490YA		UR. SPL			S	
TCB	M 22		90	70		0.583	41	S10T		U. RIB			B	
PL	115	x 19.0	1,220	4	149.200	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22		95	36		0.598	22	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	835							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint		0 mm											
	Tweld Length		0 mm											

1 Block Total Weight 1,162 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL		S		
PL	80 x 7.0	165	2	54.950	0.725	1	SS400		FILL		S		
PL	305 x 7.0	165	6	54.950	2.770	17	SS400		FILL		S		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
TCB	M 22	75	96		0.538	52	S10T		U. FLG		B		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	2440 x 4.5	165	1	35.320	14.200	14	SS400		FILL		S		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	96		0.523	50	S10T		L. FLG		B		
PL	2267 x 9.0	480	1	70.650	76.900	77	SM490YA		W. SPL		S		
PL	2267 x 9.0	480	1	70.650	76.900	77	SM490YA		W. SPL		S		
PL	2261 x 2.3	240	1	18.060	9.800	10	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	2261 x 9.0	480	1	70.650	76.700	77	SM490YA		W. SPL		S		
PL	2261 x 9.0	480	1	70.650	76.700	77	SM490YA		W. SPL		S		
PL	2255 x 2.3	240	1	18.060	9.770	10	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	115 x 19.0	960	10	149.200	16.500	165	SM490YB		UR. SPL		S		
PL	115 x 3.2	480	10	25.120	1.390	14	SS400		FILL		S		
TCB	M 22	95	70		0.598	42	S10T		U. RIB		B		
PL	115 x 19.0	960	10	149.200	16.500	165	SM490YB		LR. SPL		S		
TCB	M 22	95	70		0.598	42	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	63	Weight	912
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,256 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		UF. SPL		S		
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		UF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		UF. SPL		S		
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		UF. SPL		S		
PL	80 x 14.0	315	2	109.900	2.770	6	SS400		FILL		S		
PL	656 x 14.0	315	3	109.900	22.700	68	SS400		FILL		S		
TCB	M 22	90	8		0.583	5	S10T		U. FLG		B		
TCB	M 22	90	150		0.583	87	S10T		U. FLG		B		
TCB	M 22	90	8		0.583	5	S10T		U. FLG		B		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL		S		
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		LF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL		S		
PL	2440 x 12.0	240	1	94.200	55.200	55	SS400		FILL		S		
TCB	M 22	80	6		0.553	3	S10T		L. FLG		B		
TCB	M 22	80	6		0.553	3	S10T		L. FLG		B		
TCB	M 22	80	144		0.553	80	S10T		L. FLG		B		
PL	2246 x 9.0	630	1	70.650	100.000	100	SM490YA		W. SPL		S		
PL	2246 x 9.0	630	1	70.650	100.000	100	SM490YA		W. SPL		S		
PL	2240 x 2.3	315	1	18.060	12.700	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	2258 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL		S		
PL	2258 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL		S		
PL	2251 x 2.3	315	1	18.060	12.800	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL		S		
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL		S		
TCB	M 22	105	40		0.628	25	S10T		U. RIB		B		
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL		S		
TCB	M 22	100	100		0.613	61	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	48	Weight	1,231
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,700 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 25.0	1,080	1	196.200	17.000	17	SM490YB		UF. SPL			S	
PL	656 x 25.0	1,080	3	196.200	139.000	417	SM490YB		UF. SPL			S	
PL	80 x 25.0	1,080	1	196.200	17.000	17	SM490YB		UF. SPL			S	
PL	2440 x 19.0	1,080	1	149.200	393.000	393	SM490YB		UF. SPL			S	
TCB	M 22	115	14		0.658	9	S10T		U. FLG			B	
TCB	M 22	115	276		0.658	182	S10T		U. FLG			B	
TCB	M 22	115	14		0.658	9	S10T		U. FLG			B	
PL	2440 x 12.0	630	1	94.200	145.000	145	SM490YA		LF. SPL			S	
PL	80 x 14.0	630	1	109.900	5.540	6	SM490YA		LF. SPL			S	
PL	305 x 14.0	630	6	109.900	21.100	127	SM490YA		LF. SPL			S	
PL	80 x 14.0	630	1	109.900	5.540	6	SM490YA		LF. SPL			S	
PL	2440 x 4.5	315	1	35.320	27.100	27	SS400		FILL			S	
TCB	M 22	90	8		0.583	5	S10T		L. FLG			B	
TCB	M 22	90	8		0.583	5	S10T		L. FLG			B	
TCB	M 22	90	192		0.583	112	S10T		L. FLG			B	
PL	2240 x 10.0	780	1	78.500	137.000	137	SM490YA		W. SPL			S	
PL	2240 x 10.0	780	1	78.500	137.000	137	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	2270 x 10.0	780	1	78.500	139.000	139	SM490YA		W. SPL			S	
PL	2270 x 10.0	780	1	78.500	139.000	139	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL			S	
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL			S	
TCB	M 22	105	40		0.628	25	S10T		U. RIB			B	
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL			S	
TCB	M 22	100	100		0.613	61	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	41		Weight	1,982							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	2,648 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	656 x 12.0	480	3	94.200	29.700	89	SM490YA		UF. SPL			S	
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
PL	80 x 16.0	240	2	125.600	2.410	5	SS400		FILL			S	
PL	656 x 16.0	240	3	125.600	19.800	59	SS400		FILL			S	
TCB	M 22	90	6		0.583	3	S10T		U. FLG			B	
TCB	M 22	90	108		0.583	63	S10T		U. FLG			B	
TCB	M 22	90	6		0.583	3	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	2440 x 10.0	165	1	78.500	31.600	32	SS400		FILL			S	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	96		0.538	52	S10T		L. FLG			B	
PL	2228 x 9.0	630	1	70.650	99.200	99	SM490YA		W. SPL			S	
PL	2228 x 9.0	630	1	70.650	99.200	99	SM490YA		W. SPL			S	
PL	2221 x 2.3	315	1	18.060	12.600	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	2273 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL			S	
PL	2273 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL			S	
PL	2267 x 2.3	315	1	18.060	12.900	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	155 x 22.0	630	4	172.700	16.900	68	SM490YB		UR. SPL			S	
TCB	M 22	105	32		0.628	20	S10T		U. RIB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		LR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	41		Weight	1,020							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.413 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305 x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	96		0.508	49	S10T		L. FLG			B	
PL	2231 x 9.0	480	1	70.650	75.700	76	SM490YA		W. SPL			S	
PL	2231 x 9.0	480	1	70.650	75.700	76	SM490YA		W. SPL			S	
PL	2227 x 2.3	240	1	18.060	9.650	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	2295 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
PL	2295 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
PL	2290 x 2.3	240	1	18.060	9.930	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		UR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		U. RIB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		LR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	52		Weight	886							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,243 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 10

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 2.3	165	2	18.060	0.238	1	SS400		FILL			S	
PL	305	x 2.3	165	6	18.060	0.909	5	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 4.5	240	1	35.320	20.700	21	SS400		FILL			S	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	108		0.523	56	S10T		L. FLG			B	
PL	2224	x 9.0	480	1	70.650	75.500	76	SM490YA		W. SPL			S	
PL	2224	x 9.0	480	1	70.650	75.500	76	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2306	x 9.0	480	1	70.650	78.200	78	SM490YA		W. SPL			S	
PL	2306	x 9.0	480	1	70.650	78.200	78	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	155	x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22		95	80		0.598	48	S10T		U. RIB			B	
PL	155	x 22.0	630	4	172.700	16.900	68	SM490YB		LR. SPL			S	
TCB	M 22		105	32		0.628	20	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	809							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,139 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	630	1	70.650	109.000	109	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2214 x 9.0	480	1	70.650	75.100	75	SM490YA		W. SPL			S	
PL	2214 x 9.0	480	1	70.650	75.100	75	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2315 x 9.0	480	1	70.650	78.500	78	SM490YA		W. SPL			S	
PL	2315 x 9.0	480	1	70.650	78.500	78	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		U. RIB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22	105	40		0.628	25	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	876							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,238 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	630	1	70.650	109.000	109	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2204 x 9.0	480	1	70.650	74.700	75	SM490YA		W. SPL			S	
PL	2204 x 9.0	480	1	70.650	74.700	75	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2323 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2323 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		U. RIB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22	105	40		0.628	25	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	878							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,240 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 2.3	165	2	18.060	0.238	1	SS400		FILL			S	
PL	305 x 2.3	165	6	18.060	0.909	5	SS400		FILL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656 x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440 x 4.5	240	1	35.320	20.700	21	SS400		FILL			S	
TCB	M 22	70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22	70	108		0.523	56	S10T		L. FLG			B	
PL	2199 x 9.0	480	1	70.650	74.600	75	SM490YA		W. SPL			S	
PL	2199 x 9.0	480	1	70.650	74.600	75	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2331 x 9.0	480	1	70.650	79.100	79	SM490YA		W. SPL			S	
PL	2331 x 9.0	480	1	70.650	79.100	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		U. RIB			B	
PL	155 x 22.0	630	4	172.700	16.900	68	SM490YB		LR. SPL			S	
TCB	M 22	105	32		0.628	20	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	42		Weight	809							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										

1 Block Total Weight 1,139 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 6.0	165	2	47.100	0.622	1	SS400		FILL			S	
PL	305 x 6.0	165	6	47.100	2.370	14	SS400		FILL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	96		0.508	49	S10T		L. FLG			B	
PL	2194 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
PL	2194 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
PL	2191 x 2.3	240	1	18.060	9.500	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	2326 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2326 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2323 x 2.3	240	1	18.060	10.100	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		UR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		U. RIB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		LR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	52		Weight	887							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.244 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	656 x 12.0	480	3	94.200	29.700	89	SM490YA		UF. SPL			S	
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
PL	80 x 17.0	240	2	133.400	2.560	5	SS400		FILL			S	
PL	656 x 17.0	240	3	133.400	21.000	63	SS400		FILL			S	
TCB	M 22	90	6		0.583	3	S10T		U. FLG			B	
TCB	M 22	90	108		0.583	63	S10T		U. FLG			B	
TCB	M 22	90	6		0.583	3	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	2440 x 10.0	165	1	78.500	31.600	32	SS400		FILL			S	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	96		0.538	52	S10T		L. FLG			B	
PL	2179 x 9.0	630	1	70.650	97.000	97	SM490YA		W. SPL			S	
PL	2179 x 9.0	630	1	70.650	97.000	97	SM490YA		W. SPL			S	
PL	2174 x 2.3	315	1	18.060	12.400	12	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	2311 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL			S	
PL	2311 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL			S	
PL	2306 x 2.3	315	1	18.060	13.100	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	155 x 22.0	630	4	172.700	16.900	68	SM490YB		UR. SPL			S	
TCB	M 22	105	32		0.628	20	S10T		U. RIB			B	
PL	155 x 19.0	480	10	149.200	11.100	111	SM490YB		LR. SPL			S	
TCB	M 22	95	60		0.598	36	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	41		Weight	988							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.369 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 25.0	1,080	1	196.200	17.000	17	SM490YB		UF. SPL		S		
PL	656 x 25.0	1,080	3	196.200	139.000	417	SM490YB		UF. SPL		S		
PL	80 x 25.0	1,080	1	196.200	17.000	17	SM490YB		UF. SPL		S		
PL	2440 x 19.0	1,080	1	149.200	393.000	393	SM490YB		UF. SPL		S		
PL	80 x 2.3	540	2	18.060	0.780	2	SS400		FILL		S		
PL	656 x 2.3	540	3	18.060	6.400	19	SS400		FILL		S		
TCB	M 22	115	14		0.658	9	S10T		U. FLG		B		
TCB	M 22	115	276		0.658	182	S10T		U. FLG		B		
TCB	M 22	115	14		0.658	9	S10T		U. FLG		B		
PL	2440 x 12.0	630	1	94.200	145.000	145	SM490YA		LF. SPL		S		
PL	80 x 14.0	630	1	109.900	5.540	6	SM490YA		LF. SPL		S		
PL	305 x 14.0	630	6	109.900	21.100	127	SM490YA		LF. SPL		S		
PL	80 x 14.0	630	1	109.900	5.540	6	SM490YA		LF. SPL		S		
PL	2440 x 6.0	315	1	47.100	36.200	36	SS400		FILL		S		
TCB	M 22	90	8		0.583	5	S10T		L. FLG		B		
TCB	M 22	90	8		0.583	5	S10T		L. FLG		B		
TCB	M 22	90	192		0.583	112	S10T		L. FLG		B		
PL	2178 x 10.0	780	1	78.500	133.000	133	SM490YA		W. SPL		S		
PL	2178 x 10.0	780	1	78.500	133.000	133	SM490YA		W. SPL		S		
TCB	M 22	75	240		0.538	129	S10T		WEB		B		
PL	2309 x 10.0	780	1	78.500	141.000	141	SM490YA		W. SPL		S		
PL	2309 x 10.0	780	1	78.500	141.000	141	SM490YA		W. SPL		S		
TCB	M 22	75	240		0.538	129	S10T		WEB		B		
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL		S		
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL		S		
TCB	M 22	105	40		0.628	25	S10T		U. RIB		B		
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL		S		
TCB	M 22	100	100		0.613	61	S10T		L. RIB		B		
Large Shape		Number	0	Weight		0							
Small Shape		Number	46	Weight		2,008							
Acc Small				Weight		0							
Other Acc				Weight		0							
Butt Joint		0 mm											
Tweld Length		0 mm											
1 Block Total				Weight		2.674 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 14.0	780	1	109.900	6.860	7	SM490YA		UF. SPL		S		
PL	656 x 14.0	780	3	109.900	56.200	169	SM490YA		UF. SPL		S		
PL	80 x 14.0	780	1	109.900	6.860	7	SM490YA		UF. SPL		S		
PL	2440 x 12.0	780	1	94.200	179.000	179	SM490YA		UF. SPL		S		
PL	80 x 16.0	390	2	125.600	3.920	8	SS400		FILL		S		
PL	656 x 16.0	390	3	125.600	32.100	96	SS400		FILL		S		
TCB	M 22	100	10		0.613	6	S10T		U. FLG		B		
TCB	M 22	100	192		0.613	118	S10T		U. FLG		B		
TCB	M 22	100	10		0.613	6	S10T		U. FLG		B		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL		S		
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		LF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL		S		
PL	2440 x 13.0	240	1	102.000	59.700	60	SS400		FILL		S		
TCB	M 22	80	6		0.553	3	S10T		L. FLG		B		
TCB	M 22	80	6		0.553	3	S10T		L. FLG		B		
TCB	M 22	80	144		0.553	80	S10T		L. FLG		B		
PL	2175 x 9.0	630	1	70.650	96.800	97	SM490YA		W. SPL		S		
PL	2175 x 9.0	630	1	70.650	96.800	97	SM490YA		W. SPL		S		
PL	2171 x 2.3	315	1	18.060	12.400	12	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	2307 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL		S		
PL	2307 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL		S		
PL	2303 x 2.3	315	1	18.060	13.100	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL		S		
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL		S		
TCB	M 22	105	40		0.628	25	S10T		U. RIB		B		
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL		S		
TCB	M 22	100	100		0.613	61	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	48	Weight	1,377
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,879 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 18

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL		S		
PL	80 x 9.0	165	2	70.650	0.933	2	SS400		FILL		S		
PL	305 x 9.0	165	6	70.650	3.560	21	SS400		FILL		S		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
TCB	M 22	75	96		0.538	52	S10T		U. FLG		B		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	2440 x 4.5	165	1	35.320	14.200	14	SS400		FILL		S		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	96		0.523	50	S10T		L. FLG		B		
PL	2188 x 9.0	480	1	70.650	74.200	74	SM490YA		W. SPL		S		
PL	2188 x 9.0	480	1	70.650	74.200	74	SM490YA		W. SPL		S		
PL	2186 x 2.3	240	1	18.060	9.470	9	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	2320 x 9.0	480	1	70.650	78.700	79	SM490YA		W. SPL		S		
PL	2320 x 9.0	480	1	70.650	78.700	79	SM490YA		W. SPL		S		
PL	2318 x 2.3	240	1	18.060	10.000	10	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	115 x 19.0	960	10	149.200	16.500	165	SM490YB		UR. SPL		S		
PL	115 x 3.2	480	10	25.120	1.390	14	SS400		FILL		S		
TCB	M 22	95	70		0.598	42	S10T		U. RIB		B		
PL	115 x 19.0	960	10	149.200	16.500	165	SM490YB		LR. SPL		S		
TCB	M 22	95	70		0.598	42	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	63	Weight	914
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,258 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 19

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 3.2	165	2	25.120	0.332	1	SS400		FILL			S	
PL	305	x 3.2	165	6	25.120	1.260	8	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 6.0	240	1	47.100	27.600	28	SS400		FILL			S	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	108		0.523	56	S10T		L. FLG			B	
PL	2194	x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
PL	2194	x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2326	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2326	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	960	10	125.600	13.900	139	SM490YA		UR. SPL			S	
TCB	M 22		90	70		0.583	41	S10T		U. RIB			B	
PL	115	x 19.0	1,090	4	149.200	18.700	75	SM490YB		LR. SPL			S	
TCB	M 22		95	32		0.598	19	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	817							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,139 Kg

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL		S		
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL		S		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL		S		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
TCB	M 22	70	144		0.523	75	S10T		U. FLG		B		
TCB	M 22	70	6		0.523	3	S10T		U. FLG		B		
PL	2440 x 9.0	630	1	70.650	109.000	109	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL		S		
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL		S		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	8		0.538	4	S10T		L. FLG		B		
TCB	M 22	75	150		0.538	81	S10T		L. FLG		B		
PL	2193 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL		S		
PL	2193 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL		S		
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL		S		
TCB	M 22	65	144		0.508	73	S10T		WEB		B		
PL	115 x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL		S		
TCB	M 22	90	60		0.583	35	S10T		U. RIB		B		
PL	115 x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL		S		
TCB	M 22	95	24		0.598	14	S10T		L. RIB		B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	870							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,235 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 21

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL			S	
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL			S	
PL	656 x 10.0	480	3	78.500	24.700	74	SM490YA		LF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL			S	
PL	2440 x 2.3	240	1	18.060	10.600	11	SS400		FILL			S	
TCB	M 22	70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22	70	108		0.523	56	S10T		L. FLG			B	
PL	2192 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2192 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2324 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2324 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	115 x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL			S	
TCB	M 22	90	60		0.583	35	S10T		U. RIB			B	
PL	115 x 19.0	960	4	149.200	16.500	66	SM490YB		LR. SPL			S	
TCB	M 22	95	28		0.598	17	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	34		Weight	817							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,158 Kg							

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 22

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305	x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 4.5	240	1	35.320	20.700	21	SS400		FILL			S	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	108		0.523	56	S10T		L. FLG			B	
PL	2192	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2192	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2324	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2324	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	700	10	125.600	10.100	101	SM490YA		UR. SPL			S	
TCB	M 22		90	50		0.583	29	S10T		U. RIB			B	
PL	115	x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22		95	24		0.598	14	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	757							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,062 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 10.0	8,054	1	78.500	1550.000	1,550	SM490YA		U. FLG			L	
PL	190 x 19.0	8,049	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,044	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,040	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,035	1	149.200	228.000	228	SM490YB		U. RIB			S	
PL	190 x 19.0	8,030	1	149.200	228.000	228	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 10.0	340	1	78.500	5.170	5	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,055	1	78.500	1549.000	1,549	SM490YA		L. FLG			L	
PL	190 x 19.0	3,269	1	149.200	92.700	93	SM490YB		L. RIB			S	
PL	190 x 19.0	8,045	1	149.200	228.000	228	SM490YB		L. RIB			S	
PL	190 x 19.0	3,265	1	149.200	92.600	93	SM490YB		L. RIB			S	
PL	190 x 19.0	8,035	1	149.200	228.000	228	SM490YB		L. RIB			S	
PL	190 x 19.0	3,260	1	149.200	92.400	92	SM490YB		L. RIB			S	
PL	810 x 50.0	760	1	392.500	242.000	242	SM490C		SOLE			S	
PL	120 x 14.0	2,190	2	109.900	28.900	58	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	360	4	47.100	0.848	3	SM400A		DRAIN			S	
PL	50 x 6.0	366	1	47.100	0.862	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,390	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,389	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,387	1	94.200	30.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,276	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,212	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,277	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,279	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	369	1	94.200	4.870	5	SM400A		H. STIF			S	
PL	2426 x 12.0	8,145	1	94.200	1824.000	1,824	SM490YA	98	WEB			L	
PL	140 x 12.0	2,324	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,326	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,327	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,270	1	94.200	16.700	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,206	2	94.200	15.900	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,271	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,274	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	366	1	94.200	4.830	5	SM400A		H. STIF			S	
PL	2357 x 12.0	8,115	1	94.200	1766.000	1,766	SM490YA	98	WEB			L	
PL	420 x 16.0	370	1	125.600	17.200	17	SM490YA	88	CB-UF	S1		S	
PL	1800 x 9.0	488	1	70.650	61.400	61	SM400A	99	CB-W	S1		S	
PL	320 x 16.0	488	1	125.600	19.400	19	SM400A	99	CB-LF	S1		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	S1		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C1		S	
PL	1803 x 9.0	488	1	70.650	61.500	62	SM400A	99	CB-W	C1		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C1		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C1		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	S1		S	
PL	889 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	S1		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	S1		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C1		S	
PL	889 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C1		S	
PL	250 x 10.0	494	1	78.500	9.690	10	SM400A		BR-LF	C1		S	
PL	2426 x 12.0	2,190	1	94.200	500.000	500	SM490YA		DIA	S1		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	154 x 16.0	300	2	125.600	5.800	12	SM400A		D. FBF	S1		S	
PL	119 x 10.0	300	2	78.500	2.800	6	SM400A		D. FBF	S1		S	
PL	160 x 16.0	2,090	4	125.600	42.000	168	SM490YA		S. STF	S1		S	
PL	700 x 12.0	1,000	2	94.200	28.400	57	SM400A	43	M. H	S1		S	
PL	480 x 9.0	680	1	70.650	19.100	19	SM400A	83	M. H	S1		S	
PL	150 x 9.0	400	2	70.650	3.390	7	SM400A	80	M. H	S1		S	
PL	80 x 9.0	110	2	70.650	0.622	1	SM400A		M. H	S1		S	
RB	D 13	310	1	1.042	0.323	1	SS400		M. H	S1		S	
B. N	M 16	40	4		0.127	1	SUS304		M. H	S1		B	
SP5	20A	280	1	1.051	0.294	1	SUS304		M. H	S1		S	
WPIN	5.0	36	2		0.006	1	SUS304		M. H	S1		B	
PL	2423 x 9.0	2,190	1	70.650	375.000	375	SM400A		DIA	C1		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C1		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C1		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C1		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C1		S	
PL	450 x 9.0	2,205	1	70.650	69.400	69	SM400A	99	CR-W	R1		S	
PL	140 x 12.0	1,504	1	94.200	19.800	20	SM400A		CR-STF	R1		S	
PL	140 x 12.0	1,440	1	94.200	19.000	19	SM400A		CR-STF	R1		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R1		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R1		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R1		S	
PL	200 x 14.0	2,431	2	109.900	53.400	107	SM490YA		JACKUP			S	
PL	200 x 14.0	2,361	2	109.900	51.900	104	SM490YA		JACKUP			S	
PL	250 x 31.0	250	1	243.400	15.200	15	SM400A		BASEPL			S	
PL	250 x 31.0	250	1	243.400	15.200	15	SM400A		BASEPL			S	
	Large Shape	Number	4		Weight	6,689							
	Small Shape	Number	98		Weight	4,633							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,040 mm										
1 Block Total					Weight	11.325 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,145	1	109.900	2194.000	2,194	SM490YA		U. FLG			L	
PL	190 x 19.0	8,139	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,135	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,131	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,127	1	149.200	230.000	230	SM490YB		U. RIB			S	
PL	190 x 19.0	8,123	1	149.200	230.000	230	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,145	1	125.600	2507.000	2,507	SM490YA		L. FLG			L	
PL	190 x 19.0	8,135	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	8,127	1	149.200	230.000	230	SM490YB		L. RIB			S	
PL	140 x 12.0	2,381	1	94.200	30.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,380	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,378	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,213	1	94.200	16.000	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,279	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,279	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,214	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	369	1	94.200	4.870	5	SM400A		H. STIF			S	
PL	2417 x 12.0	8,233	1	94.200	1837.000	1,837	SM490YA	98	WEB			L	
PL	140 x 12.0	2,324	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,326	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,327	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,209	1	94.200	15.900	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,274	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,276	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,210	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	367	1	94.200	4.840	5	SM400A		H. STIF			S	
PL	2362 x 12.0	8,209	1	94.200	1790.000	1,790	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C2		S	
PL	1801 x 9.0	488	1	70.650	61.500	62	SM400A	99	CB-W	C2		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C2		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C2		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C2		S	
PL	885 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C2		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C2		S	
PL	2415 x 9.0	2,190	1	70.650	374.000	374	SM400A		DIA	C2		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C2		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C2		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C2		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C2		S	
PL	450 x 9.0	2,204	1	70.650	69.400	69	SM400A	99	CR-W	R2		S	
PL	140 x 12.0	1,497	1	94.200	19.700	20	SM400A		CR-STF	R2		S	
PL	140 x 12.0	1,439	1	94.200	19.000	19	SM400A		CR-STF	R2		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R2		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R2		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R2		S	
PL	450 x 9.0	2,202	1	70.650	69.300	69	SM400A	99	CR-W	R3		S	
PL	140 x 12.0	1,494	1	94.200	19.700	20	SM400A		CR-STF	R3		S	
PL	140 x 12.0	1,442	1	94.200	19.000	19	SM400A		CR-STF	R3		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R3		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R3		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R3		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 2

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,328			
Small Shape	Number	56	Weight	3,010			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		65,768 mm					
1 Block Total			Weight	11,339 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,155	1	109.900	2197.000	2,197	SM490YA		U. FLG			L	
PL	190 x 19.0	8,147	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,144	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,141	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,138	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,136	1	149.200	231.000	231	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,155	1	125.600	2509.000	2,509	SM490YA		L. FLG			L	
PL	190 x 19.0	8,144	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	8,138	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	140 x 12.0	2,376	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,375	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,373	1	94.200	30.400	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	370	1	94.200	4.880	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,280	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	1,214	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,281	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	370	1	94.200	4.880	5	SM400A		H. STIF			S	
PL	2412 x 12.0	8,240	1	94.200	1834.000	1,834	SM490YA	98	WEB			L	
PL	140 x 12.0	2,329	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,330	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,332	1	94.200	29.800	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	369	1	94.200	4.870	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,277	2	94.200	16.800	34	SM400A		H. STIF			S	
PL	140 x 12.0	1,211	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,279	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	368	1	94.200	4.850	5	SM400A		H. STIF			S	
PL	2368 x 12.0	8,222	1	94.200	1797.000	1,797	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C3		S	
PL	1800 x 9.0	488	1	70.650	61.400	61	SM400A	99	CB-W	C3		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C3		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C3		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C4		S	
PL	1798 x 9.0	488	1	70.650	61.400	61	SM400A	99	CB-W	C4		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C4		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C4		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C3		S	
PL	886 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C3		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C3		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C4		S	
PL	886 x 9.0	488	1	70.650	30.500	30	SM400A		BR-W	C4		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C4		S	
PL	2412 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C3		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C3		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C3		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C3		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C3		S	
PL	2409 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C4		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C4		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C4		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C4		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C4		S	
PL	450 x 9.0	2,201	1	70.650	69.300	69	SM400A	99	CR-W	R4		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	140 x 12.0	1,491	1	94.200	19.700	20	SM400A		CR-STF	R4	S		
PL	140 x 12.0	1,445	1	94.200	19.100	19	SM400A		CR-STF	R4	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R4	S		
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R4	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R4	S		
	Large Shape	Number	4		Weight	8,337							
	Small Shape	Number	69		Weight	3,344							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,848 mm										
1 Block Total					Weight	11,682 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 14.0	8,164	1	109.900	2199.000	2,199	SM490YA		U. FLG			L	
PL	190 x 19.0	8,154	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,152	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,150	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,149	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,147	1	149.200	231.000	231	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,164	1	125.600	2512.000	2,512	SM490YA		L. FLG			L	
PL	190 x 19.0	8,152	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	8,149	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	140 x 12.0	2,370	1	94.200	30.300	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,367	1	94.200	30.300	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,364	1	94.200	30.200	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,215	1	94.200	16.000	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,281	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,281	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,216	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	370	1	94.200	4.880	5	SM400A		H. STIF			S	
PL	2406 x 12.0	8,247	1	94.200	1832.000	1,832	SM490YA	98	WEB			L	
PL	140 x 12.0	2,334	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,337	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,340	1	94.200	29.900	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	1,213	1	94.200	16.000	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,279	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,280	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,214	2	94.200	16.000	32	SM400A		H. STIF			S	
PL	140 x 12.0	369	1	94.200	4.870	5	SM400A		H. STIF			S	
PL	2376 x 12.0	8,238	1	94.200	1807.000	1,807	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C5		S	
PL	1796 x 9.0	488	1	70.650	61.300	61	SM400A	99	CB-W	C5		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C5		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C5		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C5		S	
PL	887 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C5		S	
PL	250 x 10.0	496	1	78.500	9.730	10	SM400A		BR-LF	C5		S	
PL	2404 x 9.0	2,190	1	70.650	372.000	372	SM400A		DIA	C5		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C5		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C5		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C5		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C5		S	
PL	450 x 9.0	2,199	1	70.650	69.200	69	SM400A	99	CR-W	R5		S	
PL	140 x 12.0	1,487	1	94.200	19.600	20	SM400A		CR-STF	R5		S	
PL	140 x 12.0	1,448	1	94.200	19.100	19	SM400A		CR-STF	R5		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R5		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R5		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R5		S	
PL	450 x 9.0	2,196	1	70.650	69.100	69	SM400A	99	CR-W	R6		S	
PL	140 x 12.0	1,481	1	94.200	19.500	20	SM400A		CR-STF	R6		S	
PL	140 x 12.0	1,453	1	94.200	19.200	19	SM400A		CR-STF	R6		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R6		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R6		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 4

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,350			
Small Shape	Number	56	Weight	3,011			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		65,940 mm					
1 Block Total			Weight	11,362 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 11.0	8,173	1	86.350	1729.000	1,729	SM490YA		U. FLG			L	
PL	190 x 19.0	8,161	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,160	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,159	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,159	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,158	1	149.200	231.000	231	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,174	1	78.500	1572.000	1,572	SM490YA		L. FLG			L	
PL	190 x 19.0	8,160	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	8,159	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	7,451	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	190 x 19.0	7,449	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	190 x 19.0	7,448	1	149.200	211.000	211	SM490YB		L. RIB			S	
PL	140 x 12.0	2,364	1	94.200	30.200	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,396	1	94.200	31.600	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,393	1	94.200	31.600	32	SM400A		V. STIF			S	
PL	140 x 12.0	371	1	94.200	4.890	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,282	3	94.200	16.900	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,216	3	94.200	16.000	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	371	2	94.200	4.890	10	SM400A		H. STIF			S	
PL	2400 x 12.0	8,251	1	94.200	1828.000	1,828	SM490YA	98	WEB			L	
PL	140 x 12.0	2,345	1	94.200	30.000	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,383	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,385	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	140 x 12.0	371	1	94.200	4.890	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,281	3	94.200	16.900	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,216	3	94.200	16.000	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	2	94.200	16.900	34	SM400A		H. STIF			S	
PL	140 x 12.0	370	2	94.200	4.880	10	SM400A		H. STIF			S	
PL	2385 x 12.0	8,247	1	94.200	1816.000	1,816	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C6		S	
PL	1793 x 9.0	488	1	70.650	61.200	61	SM400A	99	CB-W	C6		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C6		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C6		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C7		S	
PL	1791 x 9.0	488	1	70.650	61.100	61	SM400A	99	CB-W	C7		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C7		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C7		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C6		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C6		S	
PL	250 x 10.0	496	1	78.500	9.730	10	SM400A		BR-LF	C6		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C7		S	
PL	888 x 9.0	488	1	70.650	30.600	31	SM400A		BR-W	C7		S	
PL	250 x 10.0	497	1	78.500	9.750	10	SM400A		BR-LF	C7		S	
PL	2401 x 9.0	2,190	1	70.650	371.000	371	SM400A		DIA	C6		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C6		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C6		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C6		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C6		S	
PL	2395 x 9.0	2,190	1	70.650	371.000	371	SM400A		DIA	C7		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C7		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C7		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C7		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C7		S	
PL	450 x 9.0	2,194	1	70.650	69.100	69	SM400A	99	CR-W	R7		S	
PL	140 x 12.0	1,478	1	94.200	19.500	20	SM400A		CR-STF	R7		S	
PL	140 x 12.0	1,462	1	94.200	19.300	19	SM400A		CR-STF	R7		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R7		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R7		S	
	Large Shape	Number	4		Weight	6,945							
	Small Shape	Number	80		Weight	4,091							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,992 mm										
1 Block Total					Weight	11,037 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 6

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 20.0	8,179	1	157.000	3146.000	3,146	SM490YB		U. FLG			L	
PL	230 x 22.0	3,365	2	172.700	134.000	268	SM490YB		U. RIB			S	
PL	230 x 22.0	8,166	1	172.700	324.000	324	SM490YB		U. RIB			S	
PL	230 x 22.0	8,166	1	172.700	324.000	324	SM490YB		U. RIB			S	
PL	230 x 22.0	3,365	1	172.700	134.000	134	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 20.0	340	1	157.000	10.300	10	SM490YB	57	H. H			S	
B. N	M 16	70	6		0.174	1	SS400		H. H	PLATING		B	
PL	2450 x 15.0	8,179	1	117.800	2361.000	2,361	SM490YA		L. FLG			L	
PL	230 x 22.0	8,166	2	172.700	324.000	648	SM490YB		L. RIB			S	
PL	230 x 22.0	8,166	2	172.700	324.000	648	SM490YB		L. RIB			S	
PL	230 x 22.0	8,166	1	172.700	324.000	324	SM490YB		L. RIB			S	
PL	140 x 12.0	2,381	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,378	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,376	1	94.200	31.300	31	SM400A		V. STIF			S	
PL	140 x 12.0	1,217	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,217	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	2383 x 14.0	8,251	1	109.900	2117.000	2,117	SM490YA	98	WEB			L	
PL	140 x 12.0	2,379	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,382	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,385	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	140 x 12.0	1,217	1	94.200	16.100	16	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,283	1	94.200	16.900	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,217	2	94.200	16.100	32	SM400A		H. STIF			S	
PL	2395 x 14.0	8,252	1	109.900	2128.000	2,128	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C8		S	
PL	1788 x 9.0	486	1	70.650	60.800	61	SM400A	99	CB-W	C8		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C8		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C8		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C8		S	
PL	888 x 9.0	486	1	70.650	30.500	30	SM400A		BR-W	C8		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C8		S	
PL	2380 x 9.0	2,190	1	70.650	368.000	368	SM400A		DIA	C8		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C8		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C8		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C8		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C8		S	
PL	450 x 9.0	2,191	1	70.650	69.700	70	SM400A		CR-W	R8		S	
PL	140 x 12.0	1,463	1	94.200	19.300	19	SM400A		CR-STF	R8		S	
PL	140 x 12.0	1,458	1	94.200	19.200	19	SM400A		CR-STF	R8		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R8		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R8		S	
PL	450 x 9.0	2,191	1	70.650	69.700	70	SM400A		CR-W	R9		S	
PL	140 x 12.0	1,457	1	94.200	19.200	19	SM400A		CR-STF	R9		S	
PL	140 x 12.0	1,463	1	94.200	19.300	19	SM400A		CR-STF	R9		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R9		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R9		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 6

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	9,752			
Small Shape	Number	57	Weight	4,058			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,012 mm					
1 Block Total			Weight	13,811 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2450 x 36.0	8,101	1	282.600	5610.000	5,610	SM490YB		U. FLG			L	
PL	260 x 25.0	8,087	1	196.200	413.000	413	SM490YB		U. RIB			S	
PL	260 x 25.0	8,090	1	196.200	413.000	413	SM490YB		U. RIB			S	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 36.0	340	1	282.600	18.600	19	SM490YB	57	H. H			S	
B. N	M 16	100	6		0.221	1	SS400		H. H	PLATING		B	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	2450 x 29.0	8,101	1	227.600	4518.000	4,518	SM490YB		L. FLG			L	
PL	260 x 25.0	8,086	1	196.200	412.000	412	SM490YB		L. RIB			S	
PL	260 x 25.0	8,087	1	196.200	413.000	413	SM490YB		L. RIB			S	
PL	260 x 25.0	8,089	1	196.200	413.000	413	SM490YB		L. RIB			S	
PL	260 x 25.0	8,090	1	196.200	413.000	413	SM490YB		L. RIB			S	
PL	260 x 25.0	8,091	1	196.200	413.000	413	SM490YB		L. RIB			S	
PL	1210 x 59.0	1,210	1	463.200	678.000	678	SM490C		SOLE			S	
PL	120 x 22.0	2,190	2	172.700	45.400	91	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	354	4	47.100	0.834	3	SM400A		DRAIN			S	
PL	50 x 6.0	359	1	47.100	0.845	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,357	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,355	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,352	1	94.200	31.000	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,234	1	109.900	21.700	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,168	2	109.900	20.500	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,118	1	109.900	19.700	20	SM400A		H. STIF			S	
PL	160 x 14.0	1,244	1	109.900	21.900	22	SM400A		H. STIF			S	
PL	2375 x 16.0	8,166	1	125.600	2387.000	2,387	SM490YA	98	WEB			L	
PL	140 x 12.0	2,372	1	94.200	31.300	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,375	1	94.200	31.300	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,378	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,235	1	109.900	21.700	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,169	2	109.900	20.600	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,226	1	109.900	21.600	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,353	1	109.900	23.800	24	SM400A		H. STIF			S	
PL	2404 x 16.0	8,173	1	125.600	2394.000	2,394	SM490YA	97	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C9		S	
PL	1790 x 9.0	484	1	70.650	60.600	61	SM400A	99	CB-W	C9		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C9		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C9		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	PF3		S	
PL	1792 x 9.0	484	1	70.650	60.700	61	SM400A	99	CB-W	PF3		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	PF3		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	PF3		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C9		S	
PL	890 x 9.0	484	1	70.650	30.400	30	SM400A		BR-W	C9		S	
PL	250 x 10.0	494	1	78.500	9.690	10	SM400A		BR-LF	C9		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	PF3		S	
PL	892 x 9.0	484	1	70.650	30.500	30	SM400A		BR-W	PF3		S	
PL	250 x 10.0	494	1	78.500	9.690	10	SM400A		BR-LF	PF3		S	
PL	2376 x 26.0	2,190	1	204.100	1062.000	1,062	SM490YB		DIA	PF3		S	
PL	730 x 20.0	1,030	2	157.000	50.800	102	SM400A	43	M. H	PF3		S	
PL	112 x 12.0	300	2	94.200	3.170	6	SM400A		D. FBF	PF3		S	
PL	121 x 10.0	302	2	78.500	2.870	6	SM400A		D. FBF	PF3		S	
PL	280 x 28.0	2,064	4	219.800	127.000	508	SM490YB		S. STF	PF3		S	
PL	2370 x 9.0	2,190	1	70.650	367.000	367	SM400A		DIA	C9		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C9		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C9		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C9		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C9		S	
PL	450 x 9.0	2,194	1	70.650	69.100	69	SM400A	99	CR-W	R10		S	
PL	140 x 12.0	1,436	1	94.200	18.900	19	SM400A		CR-STF	R10		S	
PL	140 x 12.0	1,453	1	94.200	19.200	19	SM400A		CR-STF	R10		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R10		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R10		S	
PL	200 x 20.0	2,360	2	157.000	74.100	148	SM490YB		JACKUP			S	
PL	200 x 20.0	2,356	2	157.000	74.000	148	SM490YB		JACKUP			S	
PL	200 x 20.0	2,380	2	157.000	74.700	149	SM490YB		JACKUP			S	
PL	200 x 20.0	2,384	2	157.000	74.900	150	SM490YB		JACKUP			S	
PL	250 x 30.0	250	4	235.500	14.700	59	SM400A		BASEPL			S	
	Large Shape	Number	4		Weight	14,909							
	Small Shape	Number	92		Weight	7,471							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,356 mm										
1 Block Total					Weight	22,381 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 34.0	7,272	1	266.900	4756.000	4,756	SM490YB		U. FLG			L	
PL	230 x 22.0	7,256	1	172.700	288.000	288	SM490YB		U. RIB			S	
PL	230 x 22.0	7,261	1	172.700	288.000	288	SM490YB		U. RIB			S	
RB	D 16	600	14	1.579	0.947	13	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 34.0	340	1	266.900	17.600	18	SM490YB	57	H. H			S	
B. N	M 16	100	6		0.221	1	SS400		H. H	PLATING		B	
PL	2450 x 22.0	7,272	1	172.700	3078.000	3,078	SM490YB		L. FLG			L	
PL	230 x 22.0	7,254	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,256	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,258	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,261	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	230 x 22.0	7,263	1	172.700	288.000	288	SM490YB		L. RIB			S	
PL	140 x 12.0	2,351	1	94.200	31.000	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,349	1	94.200	31.000	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,294	1	109.900	22.700	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,244	1	109.900	21.900	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,270	1	109.900	22.300	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,320	1	109.900	23.200	23	SM400A		H. STIF			S	
PL	2367 x 16.0	7,330	1	125.600	2136.000	2,136	SM490YA	98	WEB			L	
PL	140 x 12.0	2,383	1	94.200	31.400	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,386	1	94.200	31.500	32	SM400A		V. STIF			S	
PL	160 x 14.0	1,296	1	109.900	22.800	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,362	1	109.900	23.900	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,389	1	109.900	24.400	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,323	1	109.900	23.300	23	SM400A		H. STIF			S	
PL	2412 x 16.0	7,344	1	125.600	2180.000	2,180	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C10		S	
PL	1794 x 9.0	484	1	70.650	60.700	61	SM400A	99	CB-W	C10		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C10		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C10		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C10		S	
PL	895 x 9.0	484	1	70.650	30.600	31	SM400A		BR-W	C10		S	
PL	250 x 10.0	495	1	78.500	9.720	10	SM400A		BR-LF	C10		S	
PL	2384 x 9.0	2,190	1	70.650	369.000	369	SM400A		DIA	C10		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C10		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C10		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C10		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C10		S	
PL	450 x 9.0	2,197	1	70.650	69.100	69	SM400A	99	CR-W	R11		S	
PL	140 x 12.0	1,433	1	94.200	18.900	19	SM400A		CR-STF	R11		S	
PL	140 x 12.0	1,461	1	94.200	19.300	19	SM400A		CR-STF	R11		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R11		S	
PL	150 x 10.0	2,190	2	78.500	25.800	52	SM400A		CR-F	R11		S	
PL	450 x 9.0	2,199	1	70.650	69.200	69	SM400A	99	CR-W	R12		S	
PL	140 x 12.0	1,427	1	94.200	18.800	19	SM400A		CR-STF	R12		S	
PL	140 x 12.0	1,468	1	94.200	19.400	19	SM400A		CR-STF	R12		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R12		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R12		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R12	S		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 8

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	12,150			
Small Shape	Number	50	Weight	3,366			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,696 mm					
1 Block Total			Weight	15,517 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2451 x 17.0	7,344	1	133.400	2401.000	2,401	SM490YB		U. FLG			L	
PL	230 x 22.0	7,327	1	172.700	291.000	291	SM490YB		U. RIB			S	
PL	230 x 22.0	7,324	1	172.700	291.000	291	SM490YB		U. RIB			S	
PL	230 x 22.0	5,094	1	172.700	202.000	202	SM490YB		U. RIB			S	
PL	230 x 22.0	5,099	1	172.700	203.000	203	SM490YB		U. RIB			S	
PL	230 x 22.0	5,104	1	172.700	203.000	203	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 17.0	340	1	133.400	8.790	9	SM490YB	57	H. H			S	
B. N	M 16	65	6		0.166	1	SS400		H. H	PLATING		B	
PL	2450 x 12.0	7,345	1	94.200	1696.000	1,696	SM490YA		L. FLG			L	
PL	230 x 22.0	7,323	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	230 x 22.0	7,327	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	230 x 22.0	7,330	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	230 x 22.0	7,334	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	230 x 22.0	7,337	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	140 x 12.0	2,363	1	94.200	31.200	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,359	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,356	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	160 x 14.0	1,270	1	109.900	22.300	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,271	1	109.900	22.400	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,321	4	109.900	23.200	93	SM400A		H. STIF			S	
PL	160 x 14.0	423	2	109.900	7.440	15	SM400A		H. STIF			S	
PL	2360 x 14.0	7,395	1	109.900	1899.000	1,899	SM490YA	99	WEB			L	
PL	140 x 12.0	2,406	1	94.200	31.700	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,410	1	94.200	31.800	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,414	1	94.200	31.800	32	SM400A		V. STIF			S	
PL	160 x 14.0	1,389	1	109.900	24.400	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,391	1	109.900	24.500	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,326	4	109.900	23.300	93	SM400A		H. STIF			S	
PL	160 x 14.0	425	2	109.900	7.470	15	SM400A		H. STIF			S	
PL	2421 x 14.0	7,418	1	109.900	1934.000	1,934	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C11		S	
PL	1796 x 9.0	486	1	70.650	61.100	61	SM400A	99	CB-W	C11		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C11		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C11		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C11		S	
PL	899 x 9.0	486	1	70.650	30.900	31	SM400A		BR-W	C11		S	
PL	250 x 10.0	498	1	78.500	9.770	10	SM400A		BR-LF	C11		S	
PL	2408 x 9.0	2,190	1	70.650	373.000	373	SM400A		DIA	C11		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C11		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C11		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C11		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C11		S	
PL	450 x 9.0	2,203	1	70.650	69.300	69	SM400A	99	CR-W	R13		S	
PL	140 x 12.0	1,438	1	94.200	19.000	19	SM400A		CR-STF	R13		S	
PL	140 x 12.0	1,492	1	94.200	19.700	20	SM400A		CR-STF	R13		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R13		S	
PL	150 x 10.0	2,191	1	78.500	25.800	26	SM400A		CR-F	R13		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 9

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,930			
Small Shape	Number	57	Weight	3,953			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		59,252 mm					
1 Block Total			Weight	11,884 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2452 x 11.0	7,355	1	86.350	1557.000	1,557	SM490YA		U. FLG			L	
PL	230 x 22.0	7,331	1	172.700	291.000	291	SM490YB		U. RIB			S	
PL	230 x 22.0	7,335	1	172.700	291.000	291	SM490YB		U. RIB			S	
PL	230 x 22.0	7,340	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,345	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,349	1	172.700	292.000	292	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 12.0	7,355	1	94.200	1697.000	1,697	SM490YA		L. FLG			L	
PL	230 x 22.0	3,628	1	172.700	144.000	144	SM490YB		L. RIB			S	
PL	230 x 22.0	7,336	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	230 x 22.0	3,633	1	172.700	144.000	144	SM490YB		L. RIB			S	
PL	230 x 22.0	7,345	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	3,637	1	172.700	144.000	144	SM490YB		L. RIB			S	
PL	140 x 12.0	2,359	1	94.200	31.100	31	SM400A		V. STIF			S	
PL	140 x 12.0	2,321	1	94.200	29.700	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	424	1	94.200	5.590	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,388	2	94.200	18.300	37	SM400A		H. STIF			S	
PL	140 x 12.0	1,272	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,322	2	94.200	17.400	35	SM400A		H. STIF			S	
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF			S	
PL	2357 x 12.0	7,399	1	94.200	1626.000	1,626	SM490YA	99	WEB			L	
PL	140 x 12.0	2,423	1	94.200	32.000	32	SM400A		V. STIF			S	
PL	140 x 12.0	2,392	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	426	2	94.200	5.620	11	SM400A		H. STIF			S	
PL	140 x 12.0	1,393	3	94.200	18.400	55	SM400A		H. STIF			S	
PL	140 x 12.0	1,328	2	94.200	17.500	35	SM400A		H. STIF			S	
PL	140 x 12.0	428	1	94.200	5.640	6	SM400A		H. STIF			S	
PL	2430 x 12.0	7,428	1	94.200	1666.000	1,666	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C12		S	
PL	1803 x 9.0	488	1	70.650	61.500	62	SM400A	99	CB-W	C12		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C12		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C12		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C13		S	
PL	1807 x 9.0	488	1	70.650	61.100	61	SM400A	98	CB-W	C13		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C13		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C13		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C12		S	
PL	903 x 9.0	488	1	70.650	31.100	31	SM400A		BR-W	C12		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C12		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C13		S	
PL	906 x 9.0	488	1	70.650	31.200	31	SM400A		BR-W	C13		S	
PL	250 x 10.0	501	1	78.500	9.830	10	SM400A		BR-LF	C13		S	
PL	2421 x 9.0	2,190	1	70.650	375.000	375	SM400A		DIA	C12		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C12		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C12		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C12		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C12		S	
PL	2429 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C13		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C13		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C13		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C13		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C13		S	
PL	450 x 9.0	2,206	1	70.650	69.400	69	SM400A	99	CR-W	R14		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	140 x 12.0	1,438	1	94.200	19.000	19	SM400A		CR-STF	R14	S		
PL	140 x 12.0	1,505	1	94.200	19.800	20	SM400A		CR-STF	R14	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R14	S		
PL	150 x 10.0	2,192	1	78.500	25.800	26	SM400A		CR-F	R14	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R14	S		
	Large Shape	Number	4		Weight	6,546							
	Small Shape	Number	71		Weight	4,171							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		59,308 mm										
1 Block Total					Weight	10,718 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2453 x 14.0	7,365	1	109.900	1986.000	1,986	SM490YA		U. FLG			L	
PL	230 x 22.0	7,338	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,344	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,350	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,356	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,362	1	172.700	292.000	292	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	7,365	1	141.300	2549.000	2,549	SM490YB		L. FLG			L	
PL	230 x 22.0	7,344	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,356	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	140 x 12.0	2,315	1	94.200	29.600	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,311	1	94.200	29.600	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,308	1	94.200	29.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	423	1	94.200	5.580	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,323	2	94.200	17.400	35	SM400A		H. STIF			S	
PL	140 x 12.0	1,389	1	94.200	18.300	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,390	1	94.200	18.300	18	SM400A		H. STIF			S	
PL	140 x 12.0	424	1	94.200	5.590	6	SM400A		H. STIF			S	
PL	2345 x 12.0	7,400	1	94.200	1618.000	1,618	SM490YA	99	WEB			L	
PL	140 x 12.0	2,393	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,396	1	94.200	30.600	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,400	1	94.200	30.700	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	427	1	94.200	5.630	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,330	2	94.200	17.500	35	SM400A		H. STIF			S	
PL	140 x 12.0	1,395	1	94.200	18.400	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,398	1	94.200	18.400	18	SM400A		H. STIF			S	
PL	140 x 12.0	428	1	94.200	5.640	6	SM400A		H. STIF			S	
PL	2439 x 12.0	7,439	1	94.200	1675.000	1,675	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C14		S	
PL	1807 x 9.0	488	1	70.650	61.100	61	SM400A	98	CB-W	C14		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C14		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C14		S	
PL	350 x 10.0	370	1	78.500	8.640	9	SM490YA	85	BR-UF	C14		S	
PL	910 x 9.0	488	1	70.650	31.400	31	SM400A		BR-W	C14		S	
PL	250 x 10.0	502	1	78.500	9.850	10	SM400A		BR-LF	C14		S	
PL	2433 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C14		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C14		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C14		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C14		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C14		S	
PL	450 x 9.0	2,210	1	70.650	69.600	70	SM400A	99	CR-W	R15		S	
PL	140 x 12.0	1,428	1	94.200	18.800	19	SM400A		CR-STF	R15		S	
PL	140 x 12.0	1,509	1	94.200	19.900	20	SM400A		CR-STF	R15		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R15		S	
PL	150 x 10.0	2,192	1	78.500	25.800	26	SM400A		CR-F	R15		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R15		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 11

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,828			
Small Shape	Number	50	Weight	3,206			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		59,356 mm					
1 Block Total			Weight	11,035 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 12

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 14.0	7,374	1	109.900	1989.000	1,989	SM490YA		U. FLG			L	
PL	230 x 22.0	7,345	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,352	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,359	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,366	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	7,373	1	172.700	293.000	293	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	7,375	1	141.300	2553.000	2,553	SM490YB		L. FLG			L	
PL	230 x 22.0	7,352	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,366	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	140 x 12.0	2,305	1	94.200	29.500	30	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,302	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	360	1	94.200	4.750	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,324	1	94.200	17.500	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,390	1	94.200	18.300	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,391	1	94.200	18.300	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,325	1	94.200	17.500	18	SM400A		H. STIF			S	
PL	140 x 12.0	361	1	94.200	4.760	5	SM400A		RIB			S	
PL	2336 x 12.0	7,403	1	94.200	1612.000	1,612	SM490YA	99	WEB			L	
PL	140 x 12.0	2,404	1	94.200	30.800	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,407	1	94.200	30.800	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	364	1	94.200	4.800	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,332	1	94.200	17.600	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,398	1	94.200	18.400	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,400	1	94.200	18.500	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,334	1	94.200	17.600	18	SM400A		H. STIF			S	
PL	140 x 12.0	365	1	94.200	4.810	5	SM400A		H. STIF			S	
PL	2448 x 12.0	7,448	1	94.200	1683.000	1,683	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C15		S	
PL	1810 x 9.0	488	1	70.650	61.200	61	SM400A	98	CB-W	C15		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C15		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C15		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C15		S	
PL	913 x 9.0	488	1	70.650	31.500	32	SM400A		BR-W	C15		S	
PL	250 x 10.0	503	1	78.500	9.880	10	SM400A		BR-LF	C15		S	
PL	2440 x 9.0	2,190	1	70.650	378.000	378	SM400A		DIA	C15		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C15		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C15		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C15		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C15		S	
PL	450 x 9.0	2,213	1	70.650	69.600	70	SM400A	99	CR-W	R16		S	
PL	140 x 12.0	1,422	1	94.200	18.800	19	SM400A		CR-STF	R16		S	
PL	140 x 12.0	1,517	1	94.200	20.000	20	SM400A		CR-STF	R16		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R16		S	
PL	150 x 10.0	2,193	1	78.500	25.800	26	SM400A		CR-F	R16		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R16		S	
PL	449 x 9.0	2,217	1	70.650	68.900	69	SM400A	98	CR-W	R17		S	
PL	140 x 12.0	1,416	1	94.200	18.700	19	SM400A		CR-STF	R17		S	
PL	140 x 12.0	1,524	1	94.200	20.100	20	SM400A		CR-STF	R17		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R17		S	
PL	150 x 10.0	2,194	1	78.500	25.800	26	SM400A		CR-F	R17		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R17		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 12

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,837			
Small Shape	Number	54	Weight	3,378			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		59,404 mm					
1 Block Total			Weight	11,216 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 14.0	7,383	1	109.900	1991.000	1,991	SM490YA		U. FLG			L	
PL	230 x 22.0	7,351	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,359	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,367	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	7,375	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	7,383	1	172.700	293.000	293	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 14.0	340	1	109.900	7.240	7	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	7,383	1	141.300	2556.000	2,556	SM490YB		L. FLG			L	
PL	230 x 22.0	7,359	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,375	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	140 x 12.0	2,299	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,296	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,294	1	94.200	29.300	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	424	1	94.200	5.590	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,391	1	94.200	18.300	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,392	1	94.200	18.400	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,326	2	94.200	17.500	35	SM400A		H. STIF			S	
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF			S	
PL	2327 x 12.0	7,405	1	94.200	1607.000	1,607	SM490YA	99	WEB			L	
PL	140 x 12.0	2,411	1	94.200	30.800	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,414	1	94.200	30.900	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	2,417	1	94.200	30.900	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	429	1	94.200	5.660	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,400	1	94.200	18.500	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,402	1	94.200	18.500	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,336	2	94.200	17.600	35	SM400A		H. STIF			S	
PL	140 x 12.0	430	1	94.200	5.670	6	SM400A		H. STIF			S	
PL	2456 x 12.0	7,455	1	94.200	1708.000	1,708	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C16		S	
PL	1813 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C16		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C16		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C16		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C16		S	
PL	917 x 9.0	488	1	70.650	31.600	32	SM400A		BR-W	C16		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C16		S	
PL	2447 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C16		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C16		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C16		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C16		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C16		S	
PL	449 x 9.0	2,220	1	70.650	69.000	69	SM400A	98	CR-W	R18		S	
PL	140 x 12.0	1,410	1	94.200	18.600	19	SM400A		CR-STF	R18		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R18		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R18		S	
PL	150 x 10.0	2,194	1	78.500	25.800	26	SM400A		CR-F	R18		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R18		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 13

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	7,862			
Small Shape	Number	50	Weight	3,210			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		59,440 mm					
1 Block Total			Weight	11,073 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 12.0	7,386	1	94.200	1708.000	1,708	SM490YA		U. FLG			L	
PL	230 x 22.0	7,353	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,361	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	7,370	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	7,378	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	7,386	1	172.700	293.000	293	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 12.0	340	1	94.200	6.210	6	SM490YA	57	H. H			S	
B. N	M 16	55	6		0.150	1	SS400		H. H	PLATING		B	
PL	2450 x 12.0	7,386	1	94.200	1705.000	1,705	SM490YA		L. FLG			L	
PL	230 x 22.0	7,361	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,378	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	230 x 22.0	3,639	1	172.700	145.000	145	SM490YB		L. RIB			S	
PL	230 x 22.0	3,647	1	172.700	145.000	145	SM490YB		L. RIB			S	
PL	230 x 22.0	3,655	1	172.700	145.000	145	SM490YB		L. RIB			S	
PL	140 x 12.0	2,295	2	94.200	29.400	59	SM400A	97	V. STIF			S	
PL	140 x 12.0	427	1	94.200	5.630	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,392	2	94.200	18.400	37	SM400A		H. STIF			S	
PL	140 x 12.0	1,326	2	94.200	17.500	35	SM400A		H. STIF			S	
PL	140 x 12.0	1,276	1	94.200	16.800	17	SM400A		H. STIF			S	
PL	140 x 12.0	427	1	94.200	5.630	6	SM400A		H. STIF			S	
PL	140 x 12.0	311	1	94.200	4.100	4	SM400A		H. STIF			S	
PL	2324 x 12.0	7,397	1	94.200	1603.000	1,603	SM490YA	99	WEB			L	
PL	140 x 12.0	2,419	2	94.200	30.900	62	SM400A	97	V. STIF			S	
PL	140 x 12.0	432	1	94.200	5.700	6	SM400A		H. STIF			S	
PL	140 x 12.0	1,402	3	94.200	18.500	56	SM400A		H. STIF			S	
PL	140 x 12.0	1,336	2	94.200	17.600	35	SM400A		H. STIF			S	
PL	140 x 12.0	432	2	94.200	5.700	11	SM400A		H. STIF			S	
PL	2456 x 12.0	7,449	1	94.200	1706.000	1,706	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C17		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C17		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C17		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C17		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C18		S	
PL	1817 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C18		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C18		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C18		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C17		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C17		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C17		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C18		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C18		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C18		S	
PL	2454 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C17		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C17		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C17		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C17		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C17		S	
PL	2454 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C18		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C18		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C18		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C18		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C18		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R19		S	
PL	140 x 12.0	1,411	1	94.200	18.600	19	SM400A		CR-STF	R19		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	140 x 12.0	1,534	1	94.200	20.200	20	SM400A		CR-STF	R19	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R19	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R19	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R19	S		
	Large Shape	Number	4		Weight	6,722							
	Small Shape	Number	72		Weight	4,193							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		59,384 mm										
1 Block Total					Weight	10,916 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	2454 x 18.0	7,386	1	141.300	2562.000	2,562	SM490YB		U. FLG			L	
PL	230 x 22.0	5,112	1	172.700	203.000	203	SM490YB		U. RIB			S	
PL	230 x 22.0	7,361	1	172.700	292.000	292	SM490YB		U. RIB			S	
PL	230 x 22.0	5,124	1	172.700	204.000	204	SM490YB		U. RIB			S	
PL	230 x 22.0	7,378	1	172.700	293.000	293	SM490YB		U. RIB			S	
PL	230 x 22.0	5,136	1	172.700	204.000	204	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 18.0	340	1	141.300	9.310	9	SM490YB	57	H. H			S	
B. N	M 16	65	6		0.166	1	SS400		H. H	PLATING		B	
PL	2450 x 12.0	7,386	1	94.200	1705.000	1,705	SM490YA		L. FLG			L	
PL	230 x 22.0	7,352	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,361	1	172.700	292.000	292	SM490YB		L. RIB			S	
PL	230 x 22.0	7,369	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	230 x 22.0	7,378	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	230 x 22.0	7,386	1	172.700	293.000	293	SM490YB		L. RIB			S	
PL	140 x 12.0	2,324	3	94.200	30.700	92	SM400A		V. STIF			S	
PL	160 x 14.0	425	2	109.900	7.470	15	SM400A		H. STIF			S	
PL	160 x 14.0	1,326	4	109.900	23.300	93	SM400A		H. STIF			S	
PL	160 x 14.0	1,276	2	109.900	22.400	45	SM400A		H. STIF			S	
PL	160 x 14.0	350	1	109.900	6.150	6	SM400A		H. STIF			S	
PL	2324 x 14.0	7,394	1	109.900	1869.000	1,869	SM490YA	99	WEB			L	
PL	140 x 12.0	2,448	3	94.200	32.300	97	SM400A		V. STIF			S	
PL	160 x 14.0	430	2	109.900	7.560	15	SM400A		H. STIF			S	
PL	160 x 14.0	1,336	4	109.900	23.500	94	SM400A		H. STIF			S	
PL	160 x 14.0	1,402	2	109.900	24.700	49	SM400A		H. STIF			S	
PL	160 x 14.0	355	1	109.900	6.240	6	SM400A		H. STIF			S	
PL	2456 x 14.0	7,446	1	109.900	1990.000	1,990	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C19		S	
PL	1811 x 9.0	486	1	70.650	60.900	61	SM400A	98	CB-W	C19		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C19		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C19		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C19		S	
PL	918 x 9.0	486	1	70.650	31.500	32	SM400A		BR-W	C19		S	
PL	250 x 10.0	502	1	78.500	9.850	10	SM400A		BR-LF	C19		S	
PL	2448 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C19		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C19		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C19		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C19		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C19		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R20		S	
PL	140 x 12.0	1,405	1	94.200	18.500	18	SM400A		CR-STF	R20		S	
PL	140 x 12.0	1,528	1	94.200	20.100	20	SM400A		CR-STF	R20		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R20		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R20		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R20		S	
	Large Shape	Number	4		Weight	8,126							
	Small Shape	Number	59		Weight	3,987							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	Tweld Length	59,360 mm											
1 Block Total					Weight	12,114 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 16

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 36.0	7,323	1	282.600	5078.000	5,078	SM490YB		U. FLG			L	
PL	230 x 22.0	7,297	1	172.700	290.000	290	SM490YB		U. RIB			S	
PL	230 x 22.0	7,314	1	172.700	290.000	290	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 36.0	340	1	282.600	18.600	19	SM490YB	57	H. H			S	
B. N	M 16	100	6		0.221	1	SS400		H. H	PLATING		B	
PL	2450 x 24.0	7,323	1	188.400	3380.000	3,380	SM490YB		L. FLG			L	
PL	230 x 22.0	7,289	1	172.700	289.000	289	SM490YB		L. RIB			S	
PL	230 x 22.0	7,297	1	172.700	290.000	290	SM490YB		L. RIB			S	
PL	230 x 22.0	7,306	1	172.700	290.000	290	SM490YB		L. RIB			S	
PL	230 x 22.0	7,314	1	172.700	290.000	290	SM490YB		L. RIB			S	
PL	230 x 22.0	7,322	1	172.700	291.000	291	SM490YB		L. RIB			S	
PL	140 x 12.0	2,306	2	94.200	30.400	61	SM400A		V. STIF			S	
PL	160 x 14.0	361	1	109.900	6.350	6	SM400A		H. STIF			S	
PL	160 x 14.0	1,326	1	109.900	23.300	23	SM400A		H. STIF			S	
PL	160 x 14.0	1,276	1	109.900	22.400	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,251	1	109.900	22.000	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,301	1	109.900	22.900	23	SM400A		H. STIF			S	
PL	2324 x 16.0	7,327	1	125.600	2096.000	2,096	SM490YA	98	WEB			L	
PL	140 x 12.0	2,430	2	94.200	32.000	64	SM400A		V. STIF			S	
PL	160 x 14.0	1,336	1	109.900	23.500	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,402	1	109.900	24.700	25	SM400A		H. STIF			S	
PL	160 x 14.0	1,376	1	109.900	24.200	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,311	1	109.900	23.100	23	SM400A		H. STIF			S	
PL	2456 x 16.0	7,379	1	125.600	2230.000	2,230	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C20		S	
PL	1810 x 9.0	484	1	70.650	60.700	61	SM400A	98	CB-W	C20		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C20		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C20		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C20		S	
PL	918 x 9.0	484	1	70.650	31.400	31	SM400A		BR-W	C20		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C20		S	
PL	2430 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C20		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C20		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C20		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C20		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C20		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R21		S	
PL	140 x 12.0	1,387	1	94.200	18.300	18	SM400A		CR-STF	R21		S	
PL	140 x 12.0	1,510	1	94.200	19.900	20	SM400A		CR-STF	R21		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R21		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R21		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R21		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R22		S	
PL	140 x 12.0	1,387	1	94.200	18.300	18	SM400A		CR-STF	R22		S	
PL	140 x 12.0	1,510	1	94.200	19.900	20	SM400A		CR-STF	R22		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R22		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R22		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R22		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 16

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	12,784			
Small Shape	Number	51	Weight	3,398			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		58,824 mm					
1 Block Total			Weight	16,183 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 17

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 39.0	8,169	1	306.200	6139.000	6,139	SM490YB		U. FLG			L	
PL	260 x 25.0	8,142	1	196.200	415.000	415	SM490YB		U. RIB			S	
PL	260 x 25.0	8,161	1	196.200	416.000	416	SM490YB		U. RIB			S	
RB	D 16	600	16	1.579	0.947	15	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 39.0	340	1	306.200	20.200	20	SM490YB	57	H. H			S	
B. N	M 16	110	6		0.237	1	SS400		H. H	PLATING		B	
PL	2450 x 31.0	8,169	1	243.400	4870.000	4,870	SM490YB		L. FLG			L	
PL	260 x 25.0	8,133	1	196.200	415.000	415	SM490YB		L. RIB			S	
PL	260 x 25.0	8,142	1	196.200	415.000	415	SM490YB		L. RIB			S	
PL	260 x 25.0	8,151	1	196.200	416.000	416	SM490YB		L. RIB			S	
PL	260 x 25.0	8,161	1	196.200	416.000	416	SM490YB		L. RIB			S	
PL	260 x 25.0	8,170	1	196.200	417.000	417	SM490YB		L. RIB			S	
PL	1210 x 38.0	1,210	1	298.300	437.000	437	SM490B		SOLE			S	
PL	120 x 22.0	2,190	2	172.700	45.400	91	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	50 x 6.0	365	1	47.100	0.860	1	SM400A		DRAIN			S	
PL	50 x 6.0	354	4	47.100	0.834	3	SM400A		DRAIN			S	
PL	50 x 6.0	359	1	47.100	0.845	1	SM400A		DRAIN			S	
PL	75 x 22.0	75	2	172.700	0.767	2	SM400A	79	DRAIN			S	
PL	140 x 12.0	2,303	2	94.200	30.400	61	SM400A		V. STIF			S	
PL	160 x 14.0	1,251	1	109.900	22.000	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,125	1	109.900	19.800	20	SM400A		H. STIF			S	
PL	160 x 14.0	1,175	2	109.900	20.700	41	SM400A		H. STIF			S	
PL	160 x 14.0	1,125	1	109.900	19.800	20	SM400A		H. STIF			S	
PL	2324 x 16.0	8,167	1	125.600	2336.000	2,336	SM490YA	98	WEB			L	
PL	140 x 12.0	2,427	2	94.200	32.000	64	SM400A		V. STIF			S	
PL	160 x 14.0	1,368	1	109.900	24.100	24	SM400A		H. STIF			S	
PL	160 x 14.0	1,241	1	109.900	21.800	22	SM400A		H. STIF			S	
PL	160 x 14.0	1,184	2	109.900	20.800	42	SM400A		H. STIF			S	
PL	160 x 14.0	1,250	1	109.900	22.000	22	SM400A		H. STIF			S	
PL	2456 x 16.0	8,224	1	125.600	2486.000	2,486	SM490YA	98	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C21		S	
PL	1810 x 9.0	484	1	70.650	60.700	61	SM400A	98	CB-W	C21		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	C21		S	
PL	100 x 10.0	259	2	78.500	2.030	4	SM400A		CB-HS	C21		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	PF4		S	
PL	1810 x 9.0	484	1	70.650	60.700	61	SM400A	98	CB-W	PF4		S	
PL	250 x 12.0	484	1	94.200	11.400	11	SM400A		CB-LF	PF4		S	
PL	100 x 10.0	260	2	78.500	2.040	4	SM400A		CB-HS	PF4		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C21		S	
PL	918 x 9.0	484	1	70.650	31.400	31	SM400A		BR-W	C21		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	C21		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	PF4		S	
PL	918 x 9.0	484	1	70.650	31.400	31	SM400A		BR-W	PF4		S	
PL	250 x 10.0	500	1	78.500	9.810	10	SM400A		BR-LF	PF4		S	
PL	2427 x 26.0	2,190	1	204.100	1085.000	1,085	SM490YB		DIA	PF4		S	
PL	730 x 20.0	1,030	2	157.000	50.800	102	SM400A	43	M. H	PF4		S	
PL	112 x 12.0	300	2	94.200	3.170	6	SM400A		D. FBF	PF4		S	
PL	121 x 10.0	303	2	78.500	2.880	6	SM400A		D. FBF	PF4		S	
PL	280 x 28.0	2,061	4	219.800	127.000	508	SM490YB		S. STF	PF4		S	
PL	2427 x 9.0	2,190	1	70.650	376.000	376	SM400A		DIA	C21		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C21		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C21		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C21		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C21		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R23	S		
PL	140 x 12.0	1,384	1	94.200	18.300	18	SM400A		CR-STF	R23	S		
PL	140 x 12.0	1,507	1	94.200	19.900	20	SM400A		CR-STF	R23	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R23	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R23	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R23	S		
PL	200 x 20.0	2,297	2	157.000	72.100	144	SM490YB		JACKUP		S		
PL	200 x 20.0	2,297	2	157.000	72.100	144	SM490YB		JACKUP		S		
PL	200 x 20.0	2,429	2	157.000	76.300	153	SM490YB		JACKUP		S		
PL	200 x 20.0	2,429	2	157.000	76.300	153	SM490YB		JACKUP		S		
PL	250 x 26.0	250	4	204.100	12.800	51	SM400A		BASEPL		S		
	Large Shape	Number	4		Weight	15,831							
	Small Shape	Number	90		Weight	7,214							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		65,564 mm										
1 Block Total					Weight	23,046 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 18

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 22.0	8,257	1	172.700	3499.000	3,499	SM490YB		U. FLG			L	
PL	230 x 22.0	8,230	1	172.700	327.000	327	SM490YB		U. RIB			S	
PL	230 x 22.0	8,249	1	172.700	328.000	328	SM490YB		U. RIB			S	
PL	230 x 22.0	3,385	1	172.700	134.000	134	SM490YB		U. RIB			S	
PL	230 x 22.0	3,393	1	172.700	135.000	135	SM490YB		U. RIB			S	
PL	230 x 22.0	3,401	1	172.700	135.000	135	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 22.0	340	1	172.700	11.400	11	SM490YB	57	H. H			S	
B. N	M 16	75	6		0.182	1	SS400		H. H	PLATING		B	
PL	2450 x 16.0	8,257	1	125.600	2541.000	2,541	SM490YA		L. FLG			L	
PL	230 x 22.0	8,220	1	172.700	327.000	327	SM490YB		L. RIB			S	
PL	230 x 22.0	8,230	1	172.700	327.000	327	SM490YB		L. RIB			S	
PL	230 x 22.0	8,249	1	172.700	328.000	328	SM490YB		L. RIB			S	
PL	230 x 22.0	3,385	1	172.700	134.000	134	SM490YB		L. RIB			S	
PL	230 x 22.0	3,393	1	172.700	135.000	135	SM490YB		L. RIB			S	
PL	140 x 12.0	2,320	3	94.200	30.600	92	SM400A		V. STIF			S	
PL	140 x 12.0	1,226	3	94.200	16.200	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,175	2	94.200	15.500	31	SM400A		H. STIF			S	
PL	140 x 12.0	311	2	94.200	4.100	8	SM400A		H. STIF			S	
PL	2324 x 14.0	8,251	1	109.900	2087.000	2,087	SM490YA	99	WEB			L	
PL	140 x 12.0	2,444	3	94.200	32.200	97	SM400A		V. STIF			S	
PL	140 x 12.0	1,235	3	94.200	16.300	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	2	94.200	17.100	34	SM400A		H. STIF			S	
PL	140 x 12.0	315	2	94.200	4.150	8	SM400A		H. STIF			S	
PL	2456 x 14.0	8,309	1	109.900	2221.000	2,221	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C22		S	
PL	1810 x 9.0	486	1	70.650	60.900	61	SM400A	98	CB-W	C22		S	
PL	250 x 12.0	486	1	94.200	11.400	11	SM400A		CB-LF	C22		S	
PL	100 x 10.0	261	2	78.500	2.050	4	SM400A		CB-HS	C22		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C22		S	
PL	918 x 9.0	486	1	70.650	31.500	32	SM400A		BR-W	C22		S	
PL	250 x 10.0	502	1	78.500	9.850	10	SM400A		BR-LF	C22		S	
PL	2444 x 9.0	2,190	1	70.650	378.000	378	SM400A		DIA	C22		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C22		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C22		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C22		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C22		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R24		S	
PL	140 x 12.0	1,401	1	94.200	18.500	18	SM400A		CR-STF	R24		S	
PL	140 x 12.0	1,524	1	94.200	20.100	20	SM400A		CR-STF	R24		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R24		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R24		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R24		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R25		S	
PL	140 x 12.0	1,401	1	94.200	18.500	18	SM400A		CR-STF	R25		S	
PL	140 x 12.0	1,524	1	94.200	20.100	20	SM400A		CR-STF	R25		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R25		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R25		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R25		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 18

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	10,348			
Small Shape	Number	61	Weight	3,726			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,240 mm					
1 Block Total			Weight	14,075 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 19

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 11.0	8,257	1	86.350	1749.000	1,749	SM490YA		U. FLG			L	
PL	190 x 19.0	8,220	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,229	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,238	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,248	1	149.200	234.000	234	SM490YB		U. RIB			S	
PL	190 x 19.0	8,257	1	149.200	234.000	234	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 11.0	340	1	86.350	5.690	6	SM490YA	57	H. H			S	
B. N	M 16	50	6		0.142	1	SS400		H. H	PLATING		B	
PL	2450 x 10.0	8,257	1	78.500	1588.000	1,588	SM490YA		L. FLG			L	
PL	190 x 19.0	7,504	1	149.200	213.000	213	SM490YB		L. RIB			S	
PL	190 x 19.0	8,229	1	149.200	233.000	233	SM490YB		L. RIB			S	
PL	190 x 19.0	7,521	1	149.200	213.000	213	SM490YB		L. RIB			S	
PL	190 x 19.0	8,248	1	149.200	234.000	234	SM490YB		L. RIB			S	
PL	190 x 19.0	7,538	1	149.200	214.000	214	SM490YB		L. RIB			S	
PL	140 x 12.0	2,331	2	94.200	30.700	61	SM400A		V. STIF			S	
PL	140 x 12.0	2,296	1	94.200	29.400	29	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	2	94.200	4.950	10	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	3	94.200	17.000	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,175	2	94.200	15.500	31	SM400A		H. STIF			S	
PL	140 x 12.0	1,226	3	94.200	16.200	49	SM400A		H. STIF			S	
PL	140 x 12.0	376	1	94.200	4.960	5	SM400A		H. STIF			S	
PL	2325 x 12.0	8,248	1	94.200	1789.000	1,789	SM490YA	99	WEB			L	
PL	140 x 12.0	2,455	2	94.200	32.400	65	SM400A		V. STIF			S	
PL	140 x 12.0	2,420	1	94.200	31.000	31	SM400A	97	V. STIF			S	
PL	140 x 12.0	379	2	94.200	5.000	10	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	5	94.200	17.100	86	SM400A		H. STIF			S	
PL	140 x 12.0	1,235	3	94.200	16.300	49	SM400A		H. STIF			S	
PL	140 x 12.0	381	1	94.200	5.020	5	SM400A		H. STIF			S	
PL	2457 x 12.0	8,305	1	94.200	1903.000	1,903	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C23		S	
PL	1818 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C23		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C23		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C23		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C24		S	
PL	1818 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C24		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C24		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C24		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C23		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C23		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C23		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C24		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C24		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C24		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C23		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C23		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C23		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C23		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C23		S	
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C24		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C24		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C24		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C24		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C24		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R26		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	140 x 12.0	1,412	1	94.200	18.600	19	SM400A		CR-STF	R26	S		
PL	140 x 12.0	1,535	1	94.200	20.200	20	SM400A		CR-STF	R26	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R26	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R26	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R26	S		
	Large Shape	Number	4		Weight	7,029							
	Small Shape	Number	80		Weight	4,134							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		66,212 mm										
1 Block Total					Weight	11,164 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 20

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 15.0	8,257	1	117.800	2387.000	2,387	SM490YA		U. FLG			L	
PL	190 x 19.0	8,219	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,229	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,238	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		U. RIB			S	
PL	190 x 19.0	8,256	1	149.200	234.000	234	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 15.0	340	1	117.800	7.760	8	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,257	1	141.300	2858.000	2,858	SM490YB		L. FLG			L	
PL	190 x 19.0	8,228	1	149.200	233.000	233	SM490YB		L. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		L. RIB			S	
PL	140 x 12.0	2,292	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,226	3	94.200	16.200	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	2	94.200	17.000	34	SM400A		H. STIF			S	
PL	140 x 12.0	311	1	94.200	4.100	4	SM400A		H. STIF			S	
PL	2324 x 12.0	8,244	1	94.200	1787.000	1,787	SM490YA	99	WEB			L	
PL	140 x 12.0	2,416	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	379	1	94.200	5.000	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,235	3	94.200	16.300	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	2	94.200	17.100	34	SM400A		H. STIF			S	
PL	140 x 12.0	315	1	94.200	4.150	4	SM400A		H. STIF			S	
PL	2456 x 12.0	8,301	1	94.200	1902.000	1,902	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C25		S	
PL	1814 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C25		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C25		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C25		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C25		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C25		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C25		S	
PL	2451 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C25		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C25		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C25		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C25		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C25		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R27		S	
PL	140 x 12.0	1,408	1	94.200	18.600	19	SM400A		CR-STF	R27		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R27		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R27		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R27		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R27		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R28		S	
PL	140 x 12.0	1,408	1	94.200	18.600	19	SM400A		CR-STF	R28		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R28		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R28		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R28		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R28		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 20

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,934			
Small Shape	Number	58	Weight	3,048			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,180 mm					
1 Block Total			Weight	11,983 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 21

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 15.0	8,257	1	117.800	2387.000	2,387	SM490YA		U. FLG			L	
PL	190 x 19.0	8,219	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,228	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,238	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		U. RIB			S	
PL	190 x 19.0	8,256	1	149.200	234.000	234	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 15.0	340	1	117.800	7.760	8	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,257	1	141.300	2858.000	2,858	SM490YB		L. FLG			L	
PL	190 x 19.0	8,228	1	149.200	233.000	233	SM490YB		L. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		L. RIB			S	
PL	140 x 12.0	2,292	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	3	94.200	17.000	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,226	2	94.200	16.200	32	SM400A		H. STIF			S	
PL	140 x 12.0	376	1	94.200	4.960	5	SM400A		H. STIF			S	
PL	2324 x 12.0	8,241	1	94.200	1786.000	1,786	SM490YA	99	WEB			L	
PL	140 x 12.0	2,416	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	379	1	94.200	5.000	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	3	94.200	17.100	51	SM400A		H. STIF			S	
PL	140 x 12.0	1,235	2	94.200	16.300	33	SM400A		H. STIF			S	
PL	140 x 12.0	381	1	94.200	5.020	5	SM400A		H. STIF			S	
PL	2456 x 12.0	8,297	1	94.200	1901.000	1,901	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C26		S	
PL	1814 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C26		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C26		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C26		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C27		S	
PL	1814 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C27		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C27		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C27		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C26		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C26		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C26		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C27		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C27		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C27		S	
PL	2451 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C26		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C26		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C26		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C26		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C26		S	
PL	2451 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C27		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C27		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C27		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C27		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C27		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R29		S	
PL	140 x 12.0	1,408	1	94.200	18.600	19	SM400A		CR-STF	R29		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R29		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R29		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R29		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R29		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 21

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,932			
Small Shape	Number	69	Weight	3,380			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,152 mm					
1 Block Total			Weight	12,313 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 22

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 15.0	8,257	1	117.800	2387.000	2,387	SM490YA		U. FLG			L	
PL	190 x 19.0	8,219	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,228	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,238	1	149.200	233.000	233	SM490YB		U. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		U. RIB			S	
PL	190 x 19.0	8,256	1	149.200	234.000	234	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	300 x 9.0	300	1	70.650	5.020	5	SS400	79	H. H			S	
PL	340 x 15.0	340	1	117.800	7.760	8	SM490YA	57	H. H			S	
B. N	M 16	60	6		0.158	1	SS400		H. H	PLATING		B	
PL	2450 x 18.0	8,257	1	141.300	2858.000	2,858	SM490YB		L. FLG			L	
PL	190 x 19.0	8,228	1	149.200	233.000	233	SM490YB		L. RIB			S	
PL	190 x 19.0	8,247	1	149.200	234.000	234	SM490YB		L. RIB			S	
PL	140 x 12.0	2,292	3	94.200	29.300	88	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,226	3	94.200	16.200	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	2	94.200	17.000	34	SM400A		H. STIF			S	
PL	140 x 12.0	311	1	94.200	4.100	4	SM400A		H. STIF			S	
PL	2324 x 12.0	8,240	1	94.200	1786.000	1,786	SM490YA	99	WEB			L	
PL	140 x 12.0	2,416	3	94.200	30.900	93	SM400A	97	V. STIF			S	
PL	140 x 12.0	379	1	94.200	5.000	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,235	3	94.200	16.300	49	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	2	94.200	17.100	34	SM400A		H. STIF			S	
PL	140 x 12.0	315	1	94.200	4.150	4	SM400A		H. STIF			S	
PL	2456 x 12.0	8,297	1	94.200	1901.000	1,901	SM490YA	99	WEB			L	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C28		S	
PL	1814 x 9.0	488	1	70.650	61.300	61	SM400A	98	CB-W	C28		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C28		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C28		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C28		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C28		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C28		S	
PL	2451 x 9.0	2,190	1	70.650	379.000	379	SM400A		DIA	C28		S	
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C28		S	
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C28		S	
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C28		S	
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C28		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R30		S	
PL	140 x 12.0	1,408	1	94.200	18.600	19	SM400A		CR-STF	R30		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R30		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R30		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R30		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R30		S	
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R31		S	
PL	140 x 12.0	1,408	1	94.200	18.600	19	SM400A		CR-STF	R31		S	
PL	140 x 12.0	1,531	1	94.200	20.200	20	SM400A		CR-STF	R31		S	
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R31		S	
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R31		S	
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R31		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 22

Form Size (mm)	Lg Nb	U. Weight	S. Weight	Weight Mtls	NET Mtas. I	Gmt Am Elt	Abs
Large Shape	Number	4	Weight	8,932			
Small Shape	Number	58	Weight	3,048			
Acc Small			Weight	0			
Other Acc			Weight	0			
Butt Joint		0 mm					
Tweld Length		66,148 mm					
1 Block Total			Weight	11,981 Kg			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 23

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	2454 x 11.0	8,176	1	86.350	1732.000	1,732	SM490YA		U. FLG			L	
PL	190 x 19.0	8,134	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,143	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,153	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,162	1	149.200	231.000	231	SM490YB		U. RIB			S	
PL	190 x 19.0	8,171	1	149.200	232.000	232	SM490YB		U. RIB			S	
RB	D 16	600	18	1.579	0.947	17	SS400		S. ANC			S. W	
PL	2450 x 10.0	8,176	1	78.500	1572.000	1,572	SM490YA		L. FLG			L	
PL	190 x 19.0	8,143	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	8,162	1	149.200	231.000	231	SM490YB		L. RIB			S	
PL	190 x 19.0	3,296	1	149.200	93.400	93	SM490YB		L. RIB			S	
PL	190 x 19.0	3,303	1	149.200	93.600	94	SM490YB		L. RIB			S	
PL	190 x 19.0	3,310	1	149.200	93.800	94	SM490YB		L. RIB			S	
PL	810 x 28.0	760	1	219.800	135.000	135	SM490B		SOLE			S	
PL	120 x 14.0	2,190	2	109.900	28.900	58	SM400A		RIB			S	
PL	350 x 10.0	2,190	2	78.500	60.200	120	SM400A		RIB			S	
PL	140 x 12.0	2,296	2	94.200	29.400	59	SM400A	97	V. STIF			S	
PL	140 x 12.0	375	1	94.200	4.950	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,292	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,227	2	94.200	16.200	32	SM400A		H. STIF			S	
PL	140 x 12.0	1,291	1	94.200	17.000	17	SM400A		H. STIF			S	
PL	2324 x 12.0	8,159	1	94.200	1768.000	1,768	SM490YA	99	WEB			L	
PL	140 x 12.0	2,420	2	94.200	31.000	62	SM400A	97	V. STIF			S	
PL	140 x 12.0	379	1	94.200	5.000	5	SM400A		H. STIF			S	
PL	140 x 12.0	1,300	1	94.200	17.100	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,303	1	94.200	17.200	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,237	2	94.200	16.300	33	SM400A		H. STIF			S	
PL	140 x 12.0	1,301	1	94.200	17.200	17	SM400A		H. STIF			S	
PL	2456 x 12.0	8,216	1	94.200	1882.000	1,882	SM490YA	99	WEB			L	
PL	420 x 16.0	371	1	125.600	17.000	17	SM490YA	87	CB-UF	S2		S	
PL	1818 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	S2		S	
PL	320 x 16.0	488	1	125.600	19.400	19	SM400A	99	CB-LF	S2		S	
PL	100 x 10.0	264	2	78.500	2.070	4	SM400A		CB-HS	S2		S	
PL	350 x 12.0	370	1	94.200	10.400	10	SM490YA	85	CB-UF	C29		S	
PL	1818 x 9.0	488	1	70.650	61.400	61	SM400A	98	CB-W	C29		S	
PL	250 x 12.0	488	1	94.200	11.500	12	SM400A		CB-LF	C29		S	
PL	100 x 10.0	263	2	78.500	2.060	4	SM400A		CB-HS	C29		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	S2		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	S2		S	
PL	250 x 10.0	505	1	78.500	9.910	10	SM400A		BR-LF	S2		S	
PL	350 x 10.0	371	1	78.500	8.660	9	SM490YA	85	BR-UF	C29		S	
PL	919 x 9.0	488	1	70.650	31.700	32	SM400A		BR-W	C29		S	
PL	250 x 10.0	504	1	78.500	9.890	10	SM400A		BR-LF	C29		S	
PL	2455 x 12.0	2,190	1	94.200	506.000	506	SM490YA		DIA	S2		S	
PL	154 x 16.0	300	2	125.600	5.800	12	SM400A		D. FBF	S2		S	
PL	119 x 10.0	300	1	78.500	2.800	3	SM400A		D. FBF	S2		S	
PL	119 x 10.0	300	1	78.500	2.800	3	SM400A		D. FBF	S2		S	
PL	160 x 16.0	2,089	4	125.600	42.000	168	SM490YA		S. STF	S2		S	
PL	700 x 12.0	1,000	2	94.200	28.400	57	SM400A	43	M. H	S2		S	
PL	480 x 9.0	680	1	70.650	19.100	19	SM400A	83	M. H	S2		S	
PL	150 x 9.0	400	2	70.650	3.390	7	SM400A	80	M. H	S2		S	
PL	80 x 9.0	110	2	70.650	0.622	1	SM400A		M. H	S2		S	
RB	D 13	310	1	1.042	0.323	1	SS400		M. H	S2		S	
B. N	M 16	40	4		0.127	1	SUS304		M. H	S2		B	
SP5	20A	280	1	1.051	0.294	1	SUS304		M. H	S2		S	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 23

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
WPIN	5.0	36	2		0.006	1	SUS304		M. H	S2	B		
PL	2455 x 9.0	2,190	1	70.650	380.000	380	SM400A		DIA	C29	S		
PL	121 x 12.0	300	2	94.200	3.420	7	SM400A		D. FBF	C29	S		
PL	121 x 10.0	300	2	78.500	2.850	6	SM400A		D. FBF	C29	S		
PL	100 x 10.0	900	2	78.500	7.060	14	SM400A		D. HS	C29	S		
PL	90 x 10.0	1,040	2	78.500	7.350	15	SM400A		D. VS	C29	S		
PL	449 x 9.0	2,221	1	70.650	69.000	69	SM400A	98	CR-W	R32	S		
PL	140 x 12.0	1,412	1	94.200	18.600	19	SM400A		CR-STF	R32	S		
PL	140 x 12.0	1,535	1	94.200	20.200	20	SM400A		CR-STF	R32	S		
PL	450 x 9.0	2,190	1	70.650	69.600	70	SM400A		CR-W	R32	S		
PL	150 x 10.0	2,195	1	78.500	25.800	26	SM400A		CR-F	R32	S		
PL	150 x 10.0	2,190	1	78.500	25.800	26	SM400A		CR-F	R32	S		
PL	200 x 14.0	2,325	2	109.900	51.100	102	SM490YA		JACKUP		S		
PL	200 x 14.0	2,457	2	109.900	54.000	108	SM490YA		JACKUP		S		
PL	250 x 24.0	250	1	188.400	11.800	12	SM400A		BASEPL		S		
PL	250 x 24.0	250	1	188.400	11.800	12	SM400A		BASEPL		S		

Large Shape	Number	4	Weight	6,954
Small Shape	Number	86	Weight	4,481
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	65,500 mm			

1 Block Total Weight 11,437 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 HANG 1

Form	Size (mm)		Lg Nb		U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	100	x 9.0	120	300	70.650	0.848	254	SM400A		HANG			S. W	
PL	100	x 9.0	270	400	70.650	1.910	764	SM400A		HANG			S. W	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	0		Weight	1,018							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint		0 mm											
	Tweld Length		0 mm											
1 Block Total						Weight	1,018 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 DRAIN 1

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	40	x 40	x 3.0	800	1	1.834	1.470	1	SS400		U. FLG	PLATING	S		
PL	65	x 6.0		320	1	47.100	0.980	1	SM400A		U. FLG	PLATING	S		
PL	25	x 4.5		1,750	1	35.320	1.550	2	SM400A		U. FLG		S		
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	3		Weight	4							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	Tweld Length				0 mm										
1 Block Total							Weight	4 Kg							
22 Block Total							Weight	88 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 1

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305	x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 6.0	240	1	47.100	27.600	28	SS400		FILL			S	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	108		0.523	56	S10T		L. FLG			B	
PL	2303	x 9.0	480	1	70.650	78.100	78	SM490YA		W. SPL			S	
PL	2303	x 9.0	480	1	70.650	78.100	78	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2240	x 9.0	480	1	70.650	75.900	76	SM490YA		W. SPL			S	
PL	2240	x 9.0	480	1	70.650	75.900	76	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	700	10	125.600	10.100	101	SM490YA		UR. SPL			S	
TCB	M 22		90	50		0.583	29	S10T		U. RIB			B	
PL	115	x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22		95	24		0.598	14	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	766							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,071 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		UF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 9.0	630	1	70.650	109.000	109	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2298 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
PL	2298 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2245 x 9.0	480	1	70.650	76.200	76	SM490YA		W. SPL			S	
PL	2245 x 9.0	480	1	70.650	76.200	76	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	115 x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL			S	
TCB	M 22	90	60		0.583	35	S10T		U. RIB			B	
PL	115 x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22	95	24		0.598	14	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	879							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,244 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		UF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 9.0	630	1	70.650	109.000	109	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2293 x 9.0	480	1	70.650	77.800	78	SM490YA		W. SPL			S	
PL	2293 x 9.0	480	1	70.650	77.800	78	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2251 x 9.0	480	1	70.650	76.300	76	SM490YA		W. SPL			S	
PL	2251 x 9.0	480	1	70.650	76.300	76	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	115 x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL			S	
TCB	M 22	90	60		0.583	35	S10T		U. RIB			B	
PL	115 x 19.0	960	4	149.200	16.500	66	SM490YB		LR. SPL			S	
TCB	M 22	95	28		0.598	17	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	888							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,256 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 4

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 3.2	165	2	25.120	0.332	1	SS400		FILL			S	
PL	305	x 3.2	165	6	25.120	1.260	8	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 6.0	240	1	47.100	27.600	28	SS400		FILL			S	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	6		0.523	3	S10T		L. FLG			B	
TCB	M 22		70	108		0.523	56	S10T		L. FLG			B	
PL	2284	x 9.0	480	1	70.650	77.400	77	SM490YA		W. SPL			S	
PL	2284	x 9.0	480	1	70.650	77.400	77	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2259	x 9.0	480	1	70.650	76.600	77	SM490YA		W. SPL			S	
PL	2259	x 9.0	480	1	70.650	76.600	77	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL			S	
TCB	M 22		90	60		0.583	35	S10T		U. RIB			B	
PL	115	x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22		95	24		0.598	14	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	782							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,093 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 9.0	165	2	70.650	0.933	2	SS400		FILL			S	
PL	305 x 9.0	165	6	70.650	3.560	21	SS400		FILL			S	
TCB	M 22	75	4		0.538	2	S10T		U. FLG			B	
TCB	M 22	75	96		0.538	52	S10T		U. FLG			B	
TCB	M 22	75	4		0.538	2	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	2440 x 4.5	165	1	35.320	14.200	14	SS400		FILL			S	
TCB	M 22	70	4		0.523	2	S10T		L. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		L. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		L. FLG			B	
PL	2268 x 9.0	480	1	70.650	76.900	77	SM490YA		W. SPL			S	
PL	2268 x 9.0	480	1	70.650	76.900	77	SM490YA		W. SPL			S	
PL	2261 x 2.3	240	1	18.060	9.800	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	2262 x 9.0	480	1	70.650	76.700	77	SM490YA		W. SPL			S	
PL	2262 x 9.0	480	1	70.650	76.700	77	SM490YA		W. SPL			S	
PL	2254 x 2.3	240	1	18.060	9.770	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	115 x 19.0	830	10	149.200	14.200	142	SM490YB		UR. SPL			S	
PL	115 x 3.2	415	10	25.120	1.200	12	SS400		FILL			S	
TCB	M 22	95	60		0.598	36	S10T		U. RIB			B	
PL	115 x 19.0	830	10	149.200	14.200	142	SM490YB		LR. SPL			S	
PL	115 x 3.2	415	10	25.120	1.200	12	SS400		FILL			S	
TCB	M 22	95	60		0.598	36	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	73		Weight	881							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,213 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 15.0	630	1	117.800	5.940	6	SM490YA		UF. SPL		S		
PL	656 x 15.0	630	3	117.800	48.700	146	SM490YA		UF. SPL		S		
PL	80 x 15.0	630	1	117.800	5.940	6	SM490YA		UF. SPL		S		
PL	2440 x 12.0	630	1	94.200	145.000	145	SM490YA		UF. SPL		S		
PL	80 x 16.0	315	2	125.600	3.170	6	SS400		FILL		S		
PL	656 x 16.0	315	3	125.600	25.900	78	SS400		FILL		S		
TCB	M 22	100	8		0.613	5	S10T		U. FLG		B		
TCB	M 22	100	150		0.613	92	S10T		U. FLG		B		
TCB	M 22	100	8		0.613	5	S10T		U. FLG		B		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL		S		
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL		S		
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		LF. SPL		S		
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL		S		
PL	2440 x 14.0	240	1	109.900	64.400	64	SS400		FILL		S		
TCB	M 22	85	6		0.568	3	S10T		L. FLG		B		
TCB	M 22	85	6		0.568	3	S10T		L. FLG		B		
TCB	M 22	85	144		0.568	82	S10T		L. FLG		B		
PL	2247 x 9.0	630	1	70.650	100.000	100	SM490YA		W. SPL		S		
PL	2247 x 9.0	630	1	70.650	100.000	100	SM490YA		W. SPL		S		
PL	2238 x 2.3	315	1	18.060	12.700	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	2258 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL		S		
PL	2258 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL		S		
PL	2249 x 2.3	315	1	18.060	12.800	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL		S		
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL		S		
TCB	M 22	105	40		0.628	25	S10T		U. RIB		B		
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL		S		
TCB	M 22	100	100		0.613	61	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	48	Weight	1,312
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,788 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 24.0	1,080	1	188.400	16.300	16	SM490YB		UF. SPL			S	
PL	656 x 24.0	1,080	3	188.400	133.000	399	SM490YB		UF. SPL			S	
PL	80 x 24.0	1,080	1	188.400	16.300	16	SM490YB		UF. SPL			S	
PL	2440 x 20.0	1,080	1	157.000	414.000	414	SM490YB		UF. SPL			S	
PL	80 x 2.3	540	2	18.060	0.780	2	SS400		FILL			S	
PL	656 x 2.3	540	3	18.060	6.400	19	SS400		FILL			S	
TCB	M 22	115	14		0.658	9	S10T		U. FLG			B	
TCB	M 22	115	276		0.658	182	S10T		U. FLG			B	
TCB	M 22	115	14		0.658	9	S10T		U. FLG			B	
PL	2440 x 13.0	780	1	102.000	194.000	194	SM490YA		LF. SPL			S	
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		LF. SPL			S	
PL	305 x 15.0	780	6	117.800	28.000	168	SM490YA		LF. SPL			S	
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		LF. SPL			S	
PL	2440 x 7.0	390	1	54.950	52.300	52	SS400		FILL			S	
TCB	M 22	95	10		0.598	6	S10T		L. FLG			B	
TCB	M 22	95	10		0.598	6	S10T		L. FLG			B	
TCB	M 22	95	240		0.598	144	S10T		L. FLG			B	
PL	2241 x 10.0	780	1	78.500	137.000	137	SM490YA		W. SPL			S	
PL	2241 x 10.0	780	1	78.500	137.000	137	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	2271 x 10.0	780	1	78.500	139.000	139	SM490YA		W. SPL			S	
PL	2271 x 10.0	780	1	78.500	139.000	139	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL			S	
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL			S	
TCB	M 22	105	40		0.628	25	S10T		U. RIB			B	
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL			S	
TCB	M 22	100	100		0.613	61	S10T		L. RIB			B	
Large Shape		Number	0	Weight		0							
Small Shape		Number	46	Weight		2,121							
Acc Small				Weight		0							
Other Acc				Weight		0							
Butt Joint		0 mm											
Tweld Length		0 mm											
1 Block Total				Weight		2,821 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	656 x 12.0	480	3	94.200	29.700	89	SM490YA		UF. SPL			S	
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	2440 x 10.0	480	1	78.500	91.900	92	SM490YA		UF. SPL			S	
PL	80 x 17.0	240	2	133.400	2.560	5	SS400		FILL			S	
PL	656 x 17.0	240	3	133.400	21.000	63	SS400		FILL			S	
TCB	M 22	95	6		0.598	4	S10T		U. FLG			B	
TCB	M 22	95	108		0.598	65	S10T		U. FLG			B	
TCB	M 22	95	6		0.598	4	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	2440 x 10.0	165	1	78.500	31.600	32	SS400		FILL			S	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	4		0.538	2	S10T		L. FLG			B	
TCB	M 22	75	96		0.538	52	S10T		L. FLG			B	
PL	2230 x 9.0	630	1	70.650	99.300	99	SM490YA		W. SPL			S	
PL	2230 x 9.0	630	1	70.650	99.300	99	SM490YA		W. SPL			S	
PL	2222 x 2.3	315	1	18.060	12.600	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	2276 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL			S	
PL	2276 x 9.0	630	1	70.650	101.000	101	SM490YA		W. SPL			S	
PL	2267 x 2.3	315	1	18.060	12.900	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	155 x 22.0	630	4	172.700	16.900	68	SM490YB		UR. SPL			S	
TCB	M 22	105	32		0.628	20	S10T		U. RIB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		LR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	41		Weight	1,033							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.430 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 6.0	165	2	47.100	0.622	1	SS400		FILL			S	
PL	305 x 6.0	165	6	47.100	2.370	14	SS400		FILL			S	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	96		0.508	49	S10T		L. FLG			B	
PL	2233 x 9.0	480	1	70.650	75.700	76	SM490YA		W. SPL			S	
PL	2233 x 9.0	480	1	70.650	75.700	76	SM490YA		W. SPL			S	
PL	2227 x 2.3	240	1	18.060	9.650	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	2297 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
PL	2297 x 9.0	480	1	70.650	77.900	78	SM490YA		W. SPL			S	
PL	2291 x 2.3	240	1	18.060	9.930	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		UR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		U. RIB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		LR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	52		Weight	889							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.246 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 10

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 3.2	165	2	25.120	0.332	1	SS400		FILL			S	
PL	305	x 3.2	165	6	25.120	1.260	8	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 6.0	240	1	47.100	27.600	28	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2226	x 9.0	480	1	70.650	75.500	76	SM490YA		W. SPL			S	
PL	2226	x 9.0	480	1	70.650	75.500	76	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2308	x 9.0	480	1	70.650	78.300	78	SM490YA		W. SPL			S	
PL	2308	x 9.0	480	1	70.650	78.300	78	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	155	x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22		95	80		0.598	48	S10T		U. RIB			B	
PL	155	x 22.0	780	4	172.700	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22		105	40		0.628	25	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	835							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,172 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL			S	
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2217 x 9.0	480	1	70.650	75.200	75	SM490YA		W. SPL			S	
PL	2217 x 9.0	480	1	70.650	75.200	75	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2317 x 9.0	480	1	70.650	78.600	79	SM490YA		W. SPL			S	
PL	2317 x 9.0	480	1	70.650	78.600	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		UR. SPL			S	
TCB	M 22	95	100		0.598	60	S10T		U. RIB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22	105	40		0.628	25	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	971							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										

1 Block Total Weight 1,372 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	305 x 9.0	480	6	70.650	10.300	62	SM490YA		UF. SPL			S	
PL	80 x 9.0	480	1	70.650	2.710	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2207 x 9.0	480	1	70.650	74.800	75	SM490YA		W. SPL			S	
PL	2207 x 9.0	480	1	70.650	74.800	75	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		UR. SPL			S	
TCB	M 22	95	100		0.598	60	S10T		U. RIB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		LR. SPL			S	
TCB	M 22	105	40		0.628	25	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	971							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,372 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 13

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 2.3	165	2	18.060	0.238	1	SS400		FILL			S	
PL	305	x 2.3	165	6	18.060	0.909	5	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 6.0	240	1	47.100	27.600	28	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2198	x 9.0	480	1	70.650	74.500	74	SM490YA		W. SPL			S	
PL	2198	x 9.0	480	1	70.650	74.500	74	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2330	x 9.0	480	1	70.650	79.000	79	SM490YA		W. SPL			S	
PL	2330	x 9.0	480	1	70.650	79.000	79	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	155	x 19.0	630	10	149.200	14.600	146	SM490YB		UR. SPL			S	
TCB	M 22		95	80		0.598	48	S10T		U. RIB			B	
PL	155	x 22.0	630	4	172.700	16.900	68	SM490YB		LR. SPL			S	
TCB	M 22		105	32		0.628	20	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	814							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,146 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80 x 6.0	165	2	47.100	0.622	1	SS400		FILL			S	
PL	305 x 6.0	165	6	47.100	2.370	14	SS400		FILL			S	
TCB	M 22	75	4		0.538	2	S10T		U. FLG			B	
TCB	M 22	75	96		0.538	52	S10T		U. FLG			B	
TCB	M 22	75	4		0.538	2	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	4		0.508	2	S10T		L. FLG			B	
TCB	M 22	65	96		0.508	49	S10T		L. FLG			B	
PL	2193 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
PL	2193 x 9.0	480	1	70.650	74.400	74	SM490YA		W. SPL			S	
PL	2190 x 2.3	240	1	18.060	9.490	9	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2325 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2322 x 2.3	240	1	18.060	10.100	10	SS400		FILL			S	
TCB	M 22	70	144		0.523	75	S10T		WEB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		UR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		U. RIB			B	
PL	155 x 22.0	630	10	172.700	16.900	169	SM490YB		LR. SPL			S	
TCB	M 22	105	80		0.628	50	S10T		L. RIB			B	
Large Shape		Number	0	Weight		0							
Small Shape		Number	52	Weight		886							
Acc Small				Weight		0							
Other Acc				Weight		0							
Butt Joint		0 mm											
Tweld Length		0 mm											
1 Block Total				Weight		1.245 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	656 x 12.0	480	3	94.200	29.700	89	SM490YA		UF. SPL			S	
PL	80 x 12.0	480	1	94.200	3.620	4	SM490YA		UF. SPL			S	
PL	2440 x 10.0	480	1	78.500	91.900	92	SM490YA		UF. SPL			S	
PL	80 x 18.0	240	2	141.300	2.710	5	SS400		FILL			S	
PL	656 x 18.0	240	3	141.300	22.200	67	SS400		FILL			S	
TCB	M 22	95	6		0.598	4	S10T		U. FLG			B	
TCB	M 22	95	108		0.598	65	S10T		U. FLG			B	
TCB	M 22	95	6		0.598	4	S10T		U. FLG			B	
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL			S	
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL			S	
PL	2440 x 12.0	165	1	94.200	37.900	38	SS400		FILL			S	
TCB	M 22	80	4		0.553	2	S10T		L. FLG			B	
TCB	M 22	80	4		0.553	2	S10T		L. FLG			B	
TCB	M 22	80	96		0.553	53	S10T		L. FLG			B	
PL	2176 x 9.0	630	1	70.650	96.900	97	SM490YA		W. SPL			S	
PL	2176 x 9.0	630	1	70.650	96.900	97	SM490YA		W. SPL			S	
PL	2172 x 2.3	315	1	18.060	12.400	12	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	2308 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL			S	
PL	2308 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL			S	
PL	2304 x 2.3	315	1	18.060	13.100	13	SS400		FILL			S	
TCB	M 22	70	192		0.523	100	S10T		WEB			B	
PL	155 x 22.0	630	4	172.700	16.900	68	SM490YB		UR. SPL			S	
TCB	M 22	105	32		0.628	20	S10T		U. RIB			B	
PL	155 x 19.0	630	10	149.200	14.600	146	SM490YB		LR. SPL			S	
TCB	M 22	95	80		0.598	48	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	41		Weight	1,042							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1.440 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80 x 24.0	1,080	1	188.400	16.300	16	SM490YB		UF. SPL			S	
PL	656 x 24.0	1,080	3	188.400	133.000	399	SM490YB		UF. SPL			S	
PL	80 x 24.0	1,080	1	188.400	16.300	16	SM490YB		UF. SPL			S	
PL	2440 x 20.0	1,080	1	157.000	414.000	414	SM490YB		UF. SPL			S	
PL	80 x 3.2	540	2	25.120	1.090	2	SS400		FILL			S	
PL	656 x 3.2	540	3	25.120	8.900	27	SS400		FILL			S	
TCB	M 22	120	14		0.673	9	S10T		U. FLG			B	
TCB	M 22	120	276		0.673	186	S10T		U. FLG			B	
TCB	M 22	120	14		0.673	9	S10T		U. FLG			B	
PL	2440 x 13.0	780	1	102.000	194.000	194	SM490YA		LF. SPL			S	
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		LF. SPL			S	
PL	305 x 15.0	780	6	117.800	28.000	168	SM490YA		LF. SPL			S	
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		LF. SPL			S	
PL	2440 x 7.0	390	1	54.950	52.300	52	SS400		FILL			S	
TCB	M 22	95	10		0.598	6	S10T		L. FLG			B	
TCB	M 22	95	10		0.598	6	S10T		L. FLG			B	
TCB	M 22	95	240		0.598	144	S10T		L. FLG			B	
PL	2174 x 10.0	780	1	78.500	133.000	133	SM490YA		W. SPL			S	
PL	2174 x 10.0	780	1	78.500	133.000	133	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	2306 x 10.0	780	1	78.500	141.000	141	SM490YA		W. SPL			S	
PL	2306 x 10.0	780	1	78.500	141.000	141	SM490YA		W. SPL			S	
TCB	M 22	75	240		0.538	129	S10T		WEB			B	
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL			S	
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL			S	
TCB	M 22	105	40		0.628	25	S10T		U. RIB			B	
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL			S	
TCB	M 22	100	100		0.613	61	S10T		L. RIB			B	
Large Shape		Number	0	Weight		0							
Small Shape		Number	46	Weight		2,125							
Acc Small				Weight		0							
Other Acc				Weight		0							
Butt Joint		0 mm											
Tweld Length		0 mm											
1 Block Total				Weight		2.829 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		UF. SPL		S		
PL	656 x 15.0	780	3	117.800	60.300	181	SM490YA		UF. SPL		S		
PL	80 x 15.0	780	1	117.800	7.350	7	SM490YA		UF. SPL		S		
PL	2440 x 12.0	780	1	94.200	179.000	179	SM490YA		UF. SPL		S		
PL	80 x 17.0	390	2	133.400	4.160	8	SS400		FILL		S		
PL	656 x 17.0	390	3	133.400	34.100	102	SS400		FILL		S		
TCB	M 22	105	10		0.628	6	S10T		U. FLG		B		
TCB	M 22	105	192		0.628	121	S10T		U. FLG		B		
TCB	M 22	105	10		0.628	6	S10T		U. FLG		B		
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL		S		
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL		S		
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		LF. SPL		S		
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		LF. SPL		S		
PL	2440 x 15.0	240	1	117.800	69.000	69	SS400		FILL		S		
TCB	M 22	85	6		0.568	3	S10T		L. FLG		B		
TCB	M 22	85	6		0.568	3	S10T		L. FLG		B		
TCB	M 22	85	144		0.568	82	S10T		L. FLG		B		
PL	2172 x 9.0	630	1	70.650	96.600	97	SM490YA		W. SPL		S		
PL	2172 x 9.0	630	1	70.650	96.600	97	SM490YA		W. SPL		S		
PL	2168 x 2.3	315	1	18.060	12.300	12	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	2303 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL		S		
PL	2303 x 9.0	630	1	70.650	103.000	103	SM490YA		W. SPL		S		
PL	2300 x 2.3	315	1	18.060	13.100	13	SS400		FILL		S		
TCB	M 22	70	192		0.523	100	S10T		WEB		B		
PL	155 x 22.0	780	4	172.700	20.900	84	SM490YB		UR. SPL		S		
PL	155 x 3.2	390	7	25.120	1.520	11	SS400		FILL		S		
TCB	M 22	105	40		0.628	25	S10T		U. RIB		B		
PL	155 x 19.0	780	10	149.200	18.000	180	SM490YB		LR. SPL		S		
TCB	M 22	100	100		0.613	61	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	48	Weight	1,411
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,918 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 18

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL		S		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL		S		
PL	80 x 11.0	165	2	86.350	1.140	2	SS400		FILL		S		
PL	305 x 11.0	165	6	86.350	4.350	26	SS400		FILL		S		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
TCB	M 22	75	96		0.538	52	S10T		U. FLG		B		
TCB	M 22	75	4		0.538	2	S10T		U. FLG		B		
PL	2440 x 9.0	330	1	70.650	56.900	57	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	305 x 9.0	330	6	70.650	7.110	43	SM490YA		LF. SPL		S		
PL	80 x 9.0	330	1	70.650	1.870	2	SM490YA		LF. SPL		S		
PL	2440 x 6.0	165	1	47.100	19.000	19	SS400		FILL		S		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	4		0.523	2	S10T		L. FLG		B		
TCB	M 22	70	96		0.523	50	S10T		L. FLG		B		
PL	2186 x 9.0	480	1	70.650	74.100	74	SM490YA		W. SPL		S		
PL	2186 x 9.0	480	1	70.650	74.100	74	SM490YA		W. SPL		S		
PL	2184 x 2.3	240	1	18.060	9.470	9	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	2318 x 9.0	480	1	70.650	78.600	79	SM490YA		W. SPL		S		
PL	2318 x 9.0	480	1	70.650	78.600	79	SM490YA		W. SPL		S		
PL	2316 x 2.3	240	1	18.060	10.000	10	SS400		FILL		S		
TCB	M 22	70	144		0.523	75	S10T		WEB		B		
PL	115 x 19.0	830	10	149.200	14.200	142	SM490YB		UR. SPL		S		
PL	115 x 3.2	415	20	25.120	1.200	24	SS400		FILL		S		
TCB	M 22	95	60		0.598	36	S10T		U. RIB		B		
PL	115 x 19.0	830	10	149.200	14.200	142	SM490YB		LR. SPL		S		
TCB	M 22	95	60		0.598	36	S10T		L. RIB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	73	Weight	888
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,220 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 19

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305	x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 8.0	240	1	62.800	36.800	37	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2192	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2192	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2325	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2325	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	830	10	125.600	12.000	120	SM490YA		UR. SPL			S	
TCB	M 22		90	60		0.583	35	S10T		U. RIB			B	
PL	115	x 19.0	960	4	149.200	16.500	66	SM490YB		LR. SPL			S	
TCB	M 22		95	28		0.598	17	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	801							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint		0 mm											
	Tweld Length		0 mm											

1 Block Total Weight 1,117 Kg

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		UF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2192 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2192 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2324 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2324 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	115 x 16.0	960	10	125.600	13.900	139	SM490YA		UR. SPL			S	
TCB	M 22	90	70		0.583	41	S10T		U. RIB			B	
PL	115 x 19.0	960	4	149.200	16.500	66	SM490YB		LR. SPL			S	
TCB	M 22	95	28		0.598	17	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	917							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,291 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 21

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	305 x 10.0	480	6	78.500	11.500	69	SM490YA		UF. SPL			S	
PL	80 x 10.0	480	1	78.500	3.010	3	SM490YA		UF. SPL			S	
PL	2440 x 9.0	480	1	70.650	82.700	83	SM490YA		UF. SPL			S	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
TCB	M 22	70	144		0.523	75	S10T		U. FLG			B	
TCB	M 22	70	6		0.523	3	S10T		U. FLG			B	
PL	2440 x 10.0	630	1	78.500	121.000	121	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
PL	656 x 12.0	630	3	94.200	38.900	117	SM490YA		LF. SPL			S	
PL	80 x 12.0	630	1	94.200	4.750	5	SM490YA		LF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	8		0.538	4	S10T		L. FLG			B	
TCB	M 22	75	150		0.538	81	S10T		L. FLG			B	
PL	2191 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2191 x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	2323 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2323 x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22	65	144		0.508	73	S10T		WEB			B	
PL	115 x 16.0	960	10	125.600	13.900	139	SM490YA		UR. SPL			S	
TCB	M 22	90	70		0.583	41	S10T		U. RIB			B	
PL	115 x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22	95	24		0.598	14	S10T		L. RIB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	33		Weight	908							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,279 Kg							

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 22

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	305	x 9.0	330	6	70.650	7.110	43	SM490YA		UF. SPL			S	
PL	80	x 9.0	330	1	70.650	1.870	2	SM490YA		UF. SPL			S	
PL	2440	x 9.0	330	1	70.650	56.900	57	SM490YA		UF. SPL			S	
PL	80	x 4.5	165	2	35.320	0.466	1	SS400		FILL			S	
PL	305	x 4.5	165	6	35.320	1.780	11	SS400		FILL			S	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22		70	96		0.523	50	S10T		U. FLG			B	
TCB	M 22		70	4		0.523	2	S10T		U. FLG			B	
PL	2440	x 9.0	480	1	70.650	82.700	83	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	656	x 9.0	480	3	70.650	22.200	67	SM490YA		LF. SPL			S	
PL	80	x 9.0	480	1	70.650	2.710	3	SM490YA		LF. SPL			S	
PL	2440	x 8.0	240	1	62.800	36.800	37	SS400		FILL			S	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	6		0.538	3	S10T		L. FLG			B	
TCB	M 22		75	108		0.538	58	S10T		L. FLG			B	
PL	2191	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
PL	2191	x 9.0	480	1	70.650	74.300	74	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	2323	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
PL	2323	x 9.0	480	1	70.650	78.800	79	SM490YA		W. SPL			S	
TCB	M 22		65	144		0.508	73	S10T		WEB			B	
PL	115	x 16.0	700	10	125.600	10.100	101	SM490YA		UR. SPL			S	
TCB	M 22		90	50		0.583	29	S10T		U. RIB			B	
PL	115	x 19.0	830	4	149.200	14.200	57	SM490YB		LR. SPL			S	
TCB	M 22		95	24		0.598	14	S10T		L. RIB			B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	42		Weight	773							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										

1 Block Total Weight 1,080 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weigh	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
RB	D 16	600	2	1.579	0.947	2	SS400		S. ANC	S1	S. W		
PL	320 x 16.0	3,192	1	125.600	128.000	128	SM400A		U. FLG	S1	L		
PL	1783 x 9.0	3,251	1	70.650	401.000	401	SM400A	98	WEB	S1	L		
PL	320 x 16.0	3,192	1	125.600	128.000	128	SM400A		L. FLG	S1	L		
PL	120 x 10.0	1,784	3	78.500	16.800	50	SM400A		V. STIF	S1	S		
PL	120 x 10.0	977	1	78.500	9.200	9	SM400A		V. STIF	S1	S		
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	S1	S		
PL	100 x 10.0	981	2	78.500	7.700	15	SM400A		H. STIF	S1	S		
PL	100 x 10.0	961	2	78.500	7.540	15	SM400A		H. STIF	S1	S		
PL	130 x 11.0	570	4	86.350	6.400	26	SS400		UF. SPL	S1	S		
PL	310 x 9.0	570	2	70.650	12.500	25	SS400		UF. SPL	S1	S		
TCB	M 22	75	32		0.538	17	S10T		U. FLG	S1	B		
PL	1675 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	S1	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	S1	B		
PL	130 x 11.0	570	4	86.350	6.400	26	SS400		LF. SPL	S1	S		
PL	310 x 9.0	570	2	70.650	12.500	25	SS400		LF. SPL	S1	S		
TCB	M 22	75	32		0.538	17	S10T		L. FLG	S1	B		
	Large Shape	Number	3		Weight	657							
	Small Shape	Number	28		Weight	359							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,004 mm										

1 Block Total Weight 1,119 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weigh	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
RB	D 16		600	2	1.579	0.947	2	SS400	S. ANC	S2	S. W		
PL	320 x 16.0		3,196	1	125.600	128.000	128	SM400A	U. FLG	S2	L		
PL	1781 x 9.0		3,303	1	70.650	399.000	399	SM400A	96 WEB	S2	L		
PL	320 x 16.0		3,196	1	125.600	128.000	128	SM400A	L. FLG	S2	L		
PL	120 x 10.0		1,784	3	78.500	16.800	50	SM400A	V. STIF	S2	S		
PL	120 x 10.0		977	1	78.500	9.200	9	SM400A	V. STIF	S2	S		
PL	100 x 10.0		316	4	78.500	2.480	10	SM400A	H. STIF	S2	S		
PL	100 x 10.0		982	2	78.500	7.710	15	SM400A	H. STIF	S2	S		
PL	100 x 10.0		964	2	78.500	7.570	15	SM400A	H. STIF	S2	S		
PL	130 x 11.0		570	4	86.350	6.400	26	SS400	UF. SPL	S2	S		
PL	310 x 9.0		570	2	70.650	12.500	25	SS400	UF. SPL	S2	S		
TCB	M 22		75	32		0.538	17	S10T	U. FLG	S2	B		
PL	1684 x 9.0		330	4	70.650	39.300	157	SS400	W. SPL	S2	S		
TCB	M 22		65	136		0.508	69	S10T	WEB	S2	B		
PL	130 x 11.0		570	4	86.350	6.400	26	SS400	LF. SPL	S2	S		
PL	310 x 9.0		570	2	70.650	12.500	25	SS400	LF. SPL	S2	S		
TCB	M 22		75	32		0.538	17	S10T	L. FLG	S2	B		
	Large Shape	Number	3			Weight	655						
	Small Shape	Number	28			Weight	360						
	Acc Small					Weight	0						
	Other Acc					Weight	0						
	Butt Joint		0 mm										
	Tweld Length		13,212 mm										

1 Block Total Weight 1,118 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C1		L	
PL	1787 x 9.0	3,245	1	70.650	402.000	402	SM400A	98	WEB	C1		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C1		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C1		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C1		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C1		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C1		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C1		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C1		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C1		B	
PL	1678 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C1		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C1		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C1		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C1		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C1		B	
	Large Shape	Number	3		Weight	552							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,980 mm										
1 Block Total					Weight	940 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C2		L	
PL	1787 x 9.0	3,239	1	70.650	401.000	401	SM400A	98	WEB	C2		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C2		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C2		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C2		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C2		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C2		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C2		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C2		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C2		B	
PL	1677 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C2		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C2		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C2		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C2		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C2		B	
	Large Shape	Number	3		Weight	551							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,956 mm										
1 Block Total					Weig	939 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C3		L	
PL	1787 x 9.0	3,234	1	70.650	400.000	400	SM400A	98	WEB	C3		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C3		L	
PL	120 x 10.0	1,787	4	78.500	16.800	67	SM400A		V. STIF	C3		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C3		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C3		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C3		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C3		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C3		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C3		B	
PL	1676 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C3		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C3		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C3		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C3		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C3		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,936 mm										
1 Block Total					Weight	938 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C4		L	
PL	1788 x 9.0	3,228	1	70.650	400.000	400	SM400A	98	WEB	C4		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C4		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C4		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C4		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C4		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C4		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C4		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C4		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C4		B	
PL	1675 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C4		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C4		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C4		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C4		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C4		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,912 mm										
1 Block Total					Weig	938 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C5		L	
PL	1788 x 9.0	3,219	1	70.650	403.000	403	SM400A	99	WEB	C5		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C5		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C5		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C5		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C5		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C5		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C5		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C5		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C5		B	
PL	1673 x 9.0	330	4	70.650	39.000	156	SS400		W. SPL	C5		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C5		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C5		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C5		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C5		B	
	Large Shape	Number	3		Weight	553							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,876 mm										
1 Block Total					Weight	941 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C6		L	
PL	1788 x 9.0	3,209	1	70.650	401.000	401	SM400A	99	WEB	C6		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C6		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C6		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C6		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C6		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C6		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C6		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C6		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C6		B	
PL	1672 x 9.0	330	4	70.650	39.000	156	SS400		W. SPL	C6		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C6		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C6		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C6		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C6		B	
	Large Shape	Number	3		Weight	551							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,836 mm										
1 Block Total					Weig	939 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C7		L	
PL	1788 x 9.0	3,199	1	70.650	400.000	400	SM400A	99	WEB	C7		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C7		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C7		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C7		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C7		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C7		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C7		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C7		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C7		B	
PL	1670 x 9.0	330	4	70.650	38.900	156	SS400		W. SPL	C7		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C7		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C7		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C7		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C7		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,796 mm										
1 Block Total					Weight	938 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C8		L	
PL	1788 x 9.0	3,191	1	70.650	403.000	403	SM400A		WEB	C8		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C8		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C8		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C8		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C8		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C8		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C8		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C8		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C8		B	
PL	1668 x 9.0	330	4	70.650	38.900	156	SS400		W. SPL	C8		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C8		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C8		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C8		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C8		B	
	Large Shape	Number	3		Weight	553							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,764 mm										
1 Block Total					Weig	941 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C9		L	
PL	1788 x 9.0	3,200	1	70.650	400.000	400	SM400A	99	WEB	C9		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C9		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C9		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C9		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C9		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C9		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C9		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C9		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C9		B	
PL	1670 x 9.0	330	4	70.650	38.900	156	SS400		W. SPL	C9		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C9		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C9		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C9		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C9		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,800 mm										
1 Block Total					Weight	938 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	C10		L	
PL	1788 x 9.0	3,220	1	70.650	403.000	403	SM400A	99	WEB	C10		L	
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	C10		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C10		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C10		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C10		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C10		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C10		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C10		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C10		B	
PL	1674 x 9.0	330	4	70.650	39.000	156	SS400		W. SPL	C10		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C10		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C10		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C10		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C10		B	
	Large Shape	Number	3		Weight	553							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,880 mm										
1 Block Total					Weig	941 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C11		L	
PL	1788 x 9.0	3,232	1	70.650	400.000	400	SM400A	98	WEB	C11		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C11		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C11		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C11		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C11		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C11		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C11		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C11		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C11		B	
PL	1676 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C11		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C11		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C11		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C11		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C11		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,928 mm										
1 Block Total					Weight	938 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		U. FLG	C12		L	
PL	1787 x 9.0	3,244	1	70.650	401.000	401	SM400A	98	WEB	C12		L	
PL	250 x 12.0	3,191	1	94.200	75.200	75	SM400A		L. FLG	C12		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C12		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C12		S	
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	C12		S	
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	C12		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C12		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C12		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C12		B	
PL	1678 x 9.0	330	4	70.650	39.100	156	SS400		W. SPL	C12		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C12		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C12		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C12		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C12		B	
	Large Shape	Number	3		Weight	551							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,976 mm										
1 Block Total					Weig	939 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,192	1	94.200	75.200	75	SM400A		U. FLG	C13		L	
PL	1787 x 9.0	3,257	1	70.650	403.000	403	SM400A	98	WEB	C13		L	
PL	250 x 12.0	3,192	1	94.200	75.200	75	SM400A		L. FLG	C13		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C13		S	
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C13		S	
PL	100 x 10.0	981	2	78.500	7.700	15	SM400A		H. STIF	C13		S	
PL	100 x 10.0	961	2	78.500	7.540	15	SM400A		H. STIF	C13		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C13		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C13		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C13		B	
PL	1680 x 9.0	330	4	70.650	39.200	157	SS400		W. SPL	C13		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C13		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C13		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C13		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C13		B	
	Large Shape	Number	3		Weight	553							
	Small Shape	Number	28		Weight	304							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,028 mm										
1 Block Total					Weight	942 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,193	1	94.200	75.200	75	SM400A		U. FLG	C14	L		
PL	1786 x 9.0	3,269	1	70.650	400.000	400	SM400A	97	WEB	C14	L		
PL	250 x 12.0	3,193	1	94.200	75.200	75	SM400A		L. FLG	C14	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C14	S		
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C14	S		
PL	100 x 10.0	981	2	78.500	7.700	15	SM400A		H. STIF	C14	S		
PL	100 x 10.0	961	2	78.500	7.540	15	SM400A		H. STIF	C14	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C14	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C14	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C14	B		
PL	1682 x 9.0	330	4	70.650	39.200	157	SS400		W. SPL	C14	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C14	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C14	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C14	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C14	B		
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	304							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,076 mm										
1 Block Total					Weig	939 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,194	1	94.200	75.200	75	SM400A		U. FLG	C15	L		
PL	1786 x 9.0	3,282	1	70.650	402.000	402	SM400A	97	WEB	C15	L		
PL	250 x 12.0	3,194	1	94.200	75.200	75	SM400A		L. FLG	C15	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C15	S		
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	C15	S		
PL	100 x 10.0	981	2	78.500	7.700	15	SM400A		H. STIF	C15	S		
PL	100 x 10.0	961	2	78.500	7.540	15	SM400A		H. STIF	C15	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C15	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C15	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C15	B		
PL	1684 x 9.0	330	4	70.650	39.300	157	SS400		W. SPL	C15	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C15	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C15	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C15	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C15	B		

Large Shape	Number	3	Weight	552
Small Shape	Number	28	Weight	304
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,128 mm			

1 Block Total Weight 941 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 18

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,195	1	94.200	75.200	75	SM400A		U. FLG	C16	L		
PL	1785 x 9.0	3,295	1	70.650	399.000	399	SM400A	96	WEB	C16	L		
PL	250 x 12.0	3,195	1	94.200	75.200	75	SM400A		L. FLG	C16	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C16	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C16	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C16	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C16	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C16	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C16	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C16	B		
PL	1687 x 9.0	330	4	70.650	39.300	157	SS400		W. SPL	C16	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C16	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C16	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C16	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C16	B		

Large Shape	Number	3	Weight	549
Small Shape	Number	28	Weight	304
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,180 mm			

1 Block Total Weig 938 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C17	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C17	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C17	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C17	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C17	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C17	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C17	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C17	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C17	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C17	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C17	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C17	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C17	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C17	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C17	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weight 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C18	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C18	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C18	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C18	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C18	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C18	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C18	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C18	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C18	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C18	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C18	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C18	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C18	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C18	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C18	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weig 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 21

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C19	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C19	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C19	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C19	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C19	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C19	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C19	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C19	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C19	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C19	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C19	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C19	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C19	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C19	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C19	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weight 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 22

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C20	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C20	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C20	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C20	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C20	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C20	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C20	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C20	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C20	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C20	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C20	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C20	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C20	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C20	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C20	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weig 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 23

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C21	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C21	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C21	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C21	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C21	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C21	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C21	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C21	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C21	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C21	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C21	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C21	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C21	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C21	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C21	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weight 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 24

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C22	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C22	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C22	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C22	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C22	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C22	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C22	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C22	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C22	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C22	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C22	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C22	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C22	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C22	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C22	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weig 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 25

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C23		L	
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C23		L	
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C23		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C23		S	
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C23		S	
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C23		S	
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C23		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C23		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C23		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C23		B	
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C23		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C23		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C23		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C23		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C23		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	305							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,212 mm										
1 Block Total					Weight	940 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 26

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C24	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C24	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C24	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C24	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C24	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C24	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C24	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C24	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C24	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C24	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C24	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C24	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C24	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C24	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C24	B		
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	305							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,212 mm										
1 Block Total					Weig	940 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 27

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C25	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C25	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C25	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C25	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C25	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C25	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C25	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C25	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C25	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C25	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C25	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C25	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C25	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C25	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C25	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weight 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 28

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C26	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C26	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C26	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C26	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C26	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C26	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C26	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C26	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C26	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C26	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C26	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C26	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C26	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C26	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C26	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weig 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 29

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C27	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C27	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C27	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C27	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C27	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C27	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C27	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C27	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C27	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C27	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C27	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C27	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C27	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C27	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C27	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weight 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 30

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C28	L		
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C28	L		
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C28	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C28	S		
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C28	S		
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C28	S		
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C28	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C28	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C28	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C28	B		
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C28	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	C28	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C28	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C28	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C28	B		

Large Shape	Number	3	Weight	550
Small Shape	Number	28	Weight	305
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	13,212 mm			

1 Block Total Weig 940 Kg

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 31

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	C29		L	
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	C29		L	
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	C29		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	C29		S	
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	C29		S	
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	C29		S	
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	C29		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	C29		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	C29		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	C29		B	
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	C29		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	C29		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	C29		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	C29		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	C29		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	305							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,212 mm										
1 Block Total					Weight	940 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 32

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		U. FLG	PF3	L		
PL	1788 x 9.0	3,210	1	70.650	401.000	401	SM400A	99	WEB	PF3	L		
PL	250 x 12.0	3,190	1	94.200	75.100	75	SM400A		L. FLG	PF3	L		
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	PF3	S		
PL	100 x 10.0	315	4	78.500	2.470	10	SM400A		H. STIF	PF3	S		
PL	100 x 10.0	980	2	78.500	7.690	15	SM400A		H. STIF	PF3	S		
PL	100 x 10.0	960	2	78.500	7.540	15	SM400A		H. STIF	PF3	S		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	PF3	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	PF3	S		
TCB	M 22	65	16		0.508	8	S10T		U. FLG	PF3	B		
PL	1672 x 9.0	330	4	70.650	39.000	156	SS400		W. SPL	PF3	S		
TCB	M 22	65	136		0.508	69	S10T		WEB	PF3	B		
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	PF3	S		
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	PF3	S		
TCB	M 22	65	16		0.508	8	S10T		L. FLG	PF3	B		
	Large Shape	Number	3		Weight	551							
	Small Shape	Number	28		Weight	303							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		12,840 mm										
1 Block Total					Weig	939 Kg							

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 33

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		U. FLG	PF4		L	
PL	1785 x 9.0	3,303	1	70.650	400.000	400	SM400A	96	WEB	PF4		L	
PL	250 x 12.0	3,196	1	94.200	75.300	75	SM400A		L. FLG	PF4		L	
PL	120 x 10.0	1,788	4	78.500	16.800	67	SM400A		V. STIF	PF4		S	
PL	100 x 10.0	316	4	78.500	2.480	10	SM400A		H. STIF	PF4		S	
PL	100 x 10.0	982	2	78.500	7.710	15	SM400A		H. STIF	PF4		S	
PL	100 x 10.0	962	2	78.500	7.550	15	SM400A		H. STIF	PF4		S	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		UF. SPL	PF4		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		UF. SPL	PF4		S	
TCB	M 22	65	16		0.508	8	S10T		U. FLG	PF4		B	
PL	1688 x 9.0	330	4	70.650	39.400	158	SS400		W. SPL	PF4		S	
TCB	M 22	65	136		0.508	69	S10T		WEB	PF4		B	
PL	100 x 9.0	330	4	70.650	2.330	9	SS400		LF. SPL	PF4		S	
PL	240 x 9.0	330	2	70.650	5.600	11	SS400		LF. SPL	PF4		S	
TCB	M 22	65	16		0.508	8	S10T		L. FLG	PF4		B	
	Large Shape	Number	3		Weight	550							
	Small Shape	Number	28		Weight	305							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		13,212 mm										
1 Block Total					Weight	940 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
RB	D 16	600	1	1. 579	0. 947	1	SS400		S. ANC	S1		S. W	
PL	250 x 10. 0	941	1	78. 500	18. 500	18	SM400A		U. FLG	S1		S	
PL	823 x 9. 0	1, 046	1	70. 650	60. 800	61	SM400A		WEB	S1		S	
PL	90 x 9. 0	732	1	70. 650	4. 650	5	SM400A		V. STIF	S1		S	
PL	250 x 10. 0	965	1	78. 500	18. 900	19	SM400A		L. FLG	S1		S	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		UF. SPL	S1		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		UF. SPL	S1		S	
TCB	M 22	65	8		0. 508	4	S10T		U. FLG	S1		B	
PL	716 x 9. 0	330	2	70. 650	16. 700	33	SS400		W. SPL	S1		S	
TCB	M 22	65	28		0. 508	14	S10T		WEB	S1		B	
TCB	M 22	55	5		0. 478	2	S10T		WEB	S1		B	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		LF. SPL	S1		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		LF. SPL	S1		S	
TCB	M 22	65	8		0. 508	4	S10T		L. FLG	S1		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	159							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	183 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
RB	D 16	600	1	1. 579	0. 947	1	SS400		S. ANC	S2		S. W	
PL	250 x 10. 0	943	1	78. 500	18. 500	18	SM400A		U. FLG	S2		S	
PL	792 x 9. 0	1, 046	1	70. 650	58. 500	58	SM400A		WEB	S2		S	
PL	90 x 9. 0	737	1	70. 650	4. 690	5	SM400A		V. STIF	S2		S	
PL	250 x 10. 0	949	1	78. 500	18. 600	19	SM400A		L. FLG	S2		S	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		UF. SPL	S2		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		UF. SPL	S2		S	
TCB	M 22	65	8		0. 508	4	S10T		U. FLG	S2		B	
PL	705 x 9. 0	330	2	70. 650	16. 400	33	SS400		W. SPL	S2		S	
TCB	M 22	65	28		0. 508	14	S10T		WEB	S2		B	
TCB	M 22	55	5		0. 478	2	S10T		WEB	S2		B	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		LF. SPL	S2		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		LF. SPL	S2		S	
TCB	M 22	65	8		0. 508	4	S10T		L. FLG	S2		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	156							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	180 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 3

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C1		S	
PL	819	x 9.0	1,046	1	70.650	60.500	60	SM400A		WEB	C1		S	
PL	90	x 9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C1		S	
PL	250	x 10.0	964	1	78.500	18.900	19	SM400A		L. FLG	C1		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C1		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C1		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C1		B	
PL	715	x 9.0	330	2	70.650	16.700	33	SS400		W. SPL	C1		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C1		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C1		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C1		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C1		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C1		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	157							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	181 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 4

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x	10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C2		S	
PL	816 x	9.0	1,046	1	70.650	60.300	60	SM400A		WEB	C2		S	
PL	90 x	9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C2		S	
PL	250 x	10.0	963	1	78.500	18.900	19	SM400A		L. FLG	C2		S	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C2		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C2		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C2		B	
PL	714 x	9.0	330	2	70.650	16.600	33	SS400		W. SPL	C2		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C2		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C2		B	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C2		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C2		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C2		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	157							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	181 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C3		S	
PL	813 x 9.0	1,046	1	70.650	60.100	60	SM400A		WEB	C3		S	
PL	90 x 9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C3		S	
PL	250 x 10.0	963	1	78.500	18.900	19	SM400A		L. FLG	C3		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C3		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C3		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C3		B	
PL	713 x 9.0	330	2	70.650	16.600	33	SS400		W. SPL	C3		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C3		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C3		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C3		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C3		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C3		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	157							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	181 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C4	S		
PL	810 x 9.0	1,046	1	70.650	59.900	60	SM400A		WEB	C4	S		
PL	90 x 9.0	733	1	70.650	4.660	5	SM400A		V. STIF	C4	S		
PL	250 x 10.0	962	1	78.500	18.900	19	SM400A		L. FLG	C4	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C4	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C4	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C4	B		
PL	712 x 9.0	330	2	70.650	16.600	33	SS400		W. SPL	C4	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C4	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C4	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C4	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C4	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C4	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	157						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weight	181 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C5	S		
PL	805 x 9.0	1,046	1	70.650	59.500	60	SM400A		WEB	C5	S		
PL	90 x 9.0	733	1	70.650	4.660	5	SM400A		V. STIF	C5	S		
PL	250 x 10.0	961	1	78.500	18.900	19	SM400A		L. FLG	C5	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C5	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C5	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C5	B		
PL	710 x 9.0	330	2	70.650	16.600	33	SS400		W. SPL	C5	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C5	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C5	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C5	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C5	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C5	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	157						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weig	181 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 8

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C6		S	
PL	799	x 9.0	1,046	1	70.650	59.000	59	SM400A		WEB	C6		S	
PL	90	x 9.0	733	1	70.650	4.660	5	SM400A		V. STIF	C6		S	
PL	250	x 10.0	960	1	78.500	18.800	19	SM400A		L. FLG	C6		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C6		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C6		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C6		B	
PL	708	x 9.0	330	2	70.650	16.500	33	SS400		W. SPL	C6		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C6		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C6		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C6		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C6		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C6		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	156							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	180 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C7		S	
PL	794 x 9.0	1,046	1	70.650	58.700	59	SM400A		WEB	C7		S	
PL	90 x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C7		S	
PL	250 x 10.0	959	1	78.500	18.800	19	SM400A		L. FLG	C7		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C7		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C7		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C7		B	
PL	706 x 9.0	330	2	70.650	16.500	33	SS400		W. SPL	C7		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C7		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C7		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C7		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C7		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C7		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	156							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	180 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C8		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C8		S	
PL	90 x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C8		S	
PL	250 x 10.0	958	1	78.500	18.800	19	SM400A		L. FLG	C8		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C8		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C8		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C8		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C8		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C8		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C8		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C8		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C8		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C8		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C9		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C9		S	
PL	90 x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C9		S	
PL	250 x 10.0	957	1	78.500	18.800	19	SM400A		L. FLG	C9		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C9		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C9		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C9		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C9		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C9		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C9		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C9		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C9		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C9		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C10		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C10		S	
PL	90 x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C10		S	
PL	250 x 10.0	955	1	78.500	18.700	19	SM400A		L. FLG	C10		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C10		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C10		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C10		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C10		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C10		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C10		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C10		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C10		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C10		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C11		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C11		S	
PL	90 x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C11		S	
PL	250 x 10.0	954	1	78.500	18.700	19	SM400A		L. FLG	C11		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C11		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C11		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C11		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C11		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C11		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C11		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C11		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C11		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C11		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 14

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C12		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C12		S	
PL	90	x 9.0	736	1	70.650	4.680	5	SM400A		V. STIF	C12		S	
PL	250	x 10.0	952	1	78.500	18.700	19	SM400A		L. FLG	C12		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C12		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C12		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C12		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C12		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C12		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C12		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C12		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C12		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C12		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C13		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C13		S	
PL	90 x 9.0	736	1	70.650	4.680	5	SM400A		V. STIF	C13		S	
PL	250 x 10.0	951	1	78.500	18.700	19	SM400A		L. FLG	C13		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C13		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C13		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C13		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C13		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C13		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C13		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C13		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C13		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C13		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 16

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x	10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C14		S	
PL	792 x	9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C14		S	
PL	90 x	9.0	736	1	70.650	4.680	5	SM400A		V. STIF	C14		S	
PL	250 x	10.0	950	1	78.500	18.600	19	SM400A		L. FLG	C14		S	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C14		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C14		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C14		B	
PL	705 x	9.0	330	2	70.650	16.400	33	SS400		W. SPL	C14		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C14		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C14		B	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C14		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C14		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C14		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C15		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C15		S	
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C15		S	
PL	250 x 10.0	949	1	78.500	18.600	19	SM400A		L. FLG	C15		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C15		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C15		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C15		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C15		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C15		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C15		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C15		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C15		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C15		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 18

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C16		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C16		S	
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C16		S	
PL	250 x 10.0	949	1	78.500	18.600	19	SM400A		L. FLG	C16		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C16		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C16		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C16		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C16		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C16		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C16		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C16		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C16		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C16		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C17	S		
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C17	S		
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C17	S		
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C17	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C17	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C17	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C17	B		
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C17	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C17	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C17	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C17	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C17	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C17	B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C18	S		
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C18	S		
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C18	S		
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C18	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C18	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C18	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C18	B		
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C18	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C18	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C18	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C18	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C18	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C18	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	155						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weight	179 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 21

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C19	S		
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C19	S		
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C19	S		
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C19	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C19	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C19	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C19	B		
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C19	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C19	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C19	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C19	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C19	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C19	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	155						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weig	179 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 22

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C20		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C20		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C20		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C20		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C20		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C20		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C20		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C20		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C20		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C20		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C20		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C20		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C20		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 23

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C21		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C21		S	
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C21		S	
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C21		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C21		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C21		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C21		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C21		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C21		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C21		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C21		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C21		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C21		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 24

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C22		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C22		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C22		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C22		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C22		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C22		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C22		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C22		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C22		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C22		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C22		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C22		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C22		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 25

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C23		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C23		S	
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C23		S	
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C23		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C23		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C23		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C23		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C23		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C23		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C23		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C23		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C23		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C23		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 26

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x	10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C24		S	
PL	792 x	9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C24		S	
PL	90 x	9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C24		S	
PL	250 x	10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C24		S	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C24		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C24		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C24		B	
PL	705 x	9.0	330	2	70.650	16.400	33	SS400		W. SPL	C24		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C24		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C24		B	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C24		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C24		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C24		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 27

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C25	S		
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C25	S		
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C25	S		
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C25	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C25	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C25	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C25	B		
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C25	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C25	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C25	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C25	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C25	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C25	B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 28

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C26		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C26		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C26		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C26		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C26		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C26		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C26		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C26		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C26		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C26		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C26		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C26		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C26		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 29

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C27		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C27		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C27		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C27		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C27		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C27		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C27		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C27		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C27		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C27		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C27		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C27		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C27		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 30

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C28		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C28		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C28		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C28		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C28		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C28		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C28		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C28		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C28		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C28		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C28		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C28		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C28		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 31

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C29		S	
PL	792 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C29		S	
PL	90 x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	C29		S	
PL	250 x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	C29		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C29		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C29		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C29		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C29		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C29		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C29		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C29		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C29		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C29		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 32

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	PF3		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	PF3		S	
PL	90	x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	PF3		S	
PL	250	x 10.0	956	1	78.500	18.800	19	SM400A		L. FLG	PF3		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	PF3		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	PF3		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	PF3		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	PF3		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	PF3		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	PF3		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	PF3		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	PF3		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	PF3		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 33

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	PF4		S	
PL	792	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	PF4		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	PF4		S	
PL	250	x 10.0	948	1	78.500	18.600	19	SM400A		L. FLG	PF4		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	PF4		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	PF4		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	PF4		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	PF4		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	PF4		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	PF4		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	PF4		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	PF4		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	PF4		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
RB	D 16	600	1	1. 579	0. 947	1	SS400		S. ANC	S1		S. W	
PL	250 x 10. 0	941	1	78. 500	18. 500	18	SM400A		U. FLG	S1		S	
PL	791 x 9. 0	1, 046	1	70. 650	58. 500	58	SM400A		WEB	S1		S	
PL	90 x 9. 0	736	1	70. 650	4. 680	5	SM400A		V. STIF	S1		S	
PL	250 x 10. 0	952	1	78. 500	18. 700	19	SM400A		L. FLG	S1		S	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		UF. SPL	S1		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		UF. SPL	S1		S	
TCB	M 22	65	8		0. 508	4	S10T		U. FLG	S1		B	
PL	705 x 9. 0	330	2	70. 650	16. 400	33	SS400		W. SPL	S1		S	
TCB	M 22	65	28		0. 508	14	S10T		WEB	S1		B	
TCB	M 22	55	5		0. 478	2	S10T		WEB	S1		B	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		LF. SPL	S1		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		LF. SPL	S1		S	
TCB	M 22	65	8		0. 508	4	S10T		L. FLG	S1		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	156							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	180 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
RB	D 16	600	1	1. 579	0. 947	1	SS400		S. ANC	S2		S. W	
PL	250 x 10. 0	943	1	78. 500	18. 500	18	SM400A		U. FLG	S2		S	
PL	851 x 9. 0	1, 046	1	70. 650	62. 900	63	SM400A		WEB	S2		S	
PL	90 x 9. 0	730	1	70. 650	4. 640	5	SM400A		V. STIF	S2		S	
PL	250 x 10. 0	972	1	78. 500	19. 100	19	SM400A		L. FLG	S2		S	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		UF. SPL	S2		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		UF. SPL	S2		S	
TCB	M 22	65	8		0. 508	4	S10T		U. FLG	S2		B	
PL	726 x 9. 0	330	2	70. 650	16. 900	34	SS400		W. SPL	S2		S	
TCB	M 22	65	28		0. 508	14	S10T		WEB	S2		B	
TCB	M 22	55	5		0. 478	2	S10T		WEB	S2		B	
PL	100 x 9. 0	330	2	70. 650	2. 330	5	SS400		LF. SPL	S2		S	
PL	240 x 9. 0	330	1	70. 650	5. 600	6	SS400		LF. SPL	S2		S	
TCB	M 22	65	8		0. 508	4	S10T		L. FLG	S2		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	162							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	186 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 3

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C1		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C1		S	
PL	90	x 9.0	736	1	70.650	4.680	5	SM400A		V. STIF	C1		S	
PL	250	x 10.0	952	1	78.500	18.700	19	SM400A		L. FLG	C1		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C1		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C1		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C1		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C1		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C1		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C1		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C1		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C1		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C1		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C2		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C2		S	
PL	90 x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C2		S	
PL	250 x 10.0	953	1	78.500	18.700	19	SM400A		L. FLG	C2		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C2		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C2		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C2		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C2		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C2		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C2		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C2		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C2		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C2		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 5

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C3		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C3		S	
PL	90	x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C3		S	
PL	250	x 10.0	953	1	78.500	18.700	19	SM400A		L. FLG	C3		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C3		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C3		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C3		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C3		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C3		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C3		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C3		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C3		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C3		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C4		S	
PL	791 x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C4		S	
PL	90 x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C4		S	
PL	250 x 10.0	954	1	78.500	18.700	19	SM400A		L. FLG	C4		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C4		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C4		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C4		B	
PL	705 x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C4		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C4		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C4		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C4		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C4		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C4		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	155							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 7

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C5		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C5		S	
PL	90	x 9.0	735	1	70.650	4.670	5	SM400A		V. STIF	C5		S	
PL	250	x 10.0	955	1	78.500	18.700	19	SM400A		L. FLG	C5		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C5		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C5		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C5		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C5		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C5		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C5		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C5		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C5		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C5		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 8

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C6		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C6		S	
PL	90	x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C6		S	
PL	250	x 10.0	956	1	78.500	18.800	19	SM400A		L. FLG	C6		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C6		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C6		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C6		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C6		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C6		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C6		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C6		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C6		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C6		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 9

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C7		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C7		S	
PL	90	x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C7		S	
PL	250	x 10.0	957	1	78.500	18.800	19	SM400A		L. FLG	C7		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C7		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C7		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C7		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C7		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C7		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C7		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C7		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C7		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C7		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 10

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C8		S	
PL	791	x 9.0	1,046	1	70.650	58.500	58	SM400A		WEB	C8		S	
PL	90	x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	C8		S	
PL	250	x 10.0	958	1	78.500	18.800	19	SM400A		L. FLG	C8		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C8		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C8		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C8		B	
PL	705	x 9.0	330	2	70.650	16.400	33	SS400		W. SPL	C8		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C8		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C8		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C8		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C8		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C8		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	155							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	179 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 11

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C9		S	
PL	794	x 9.0	1,046	1	70.650	58.700	59	SM400A		WEB	C9		S	
PL	90	x 9.0	733	1	70.650	4.660	5	SM400A		V. STIF	C9		S	
PL	250	x 10.0	959	1	78.500	18.800	19	SM400A		L. FLG	C9		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C9		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C9		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C9		B	
PL	707	x 9.0	330	2	70.650	16.500	33	SS400		W. SPL	C9		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C9		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C9		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C9		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C9		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C9		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	156							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	180 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C10		S	
PL	806 x 9.0	1,046	1	70.650	59.600	60	SM400A		WEB	C10		S	
PL	90 x 9.0	733	1	70.650	4.660	5	SM400A		V. STIF	C10		S	
PL	250 x 10.0	961	1	78.500	18.900	19	SM400A		L. FLG	C10		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C10		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C10		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C10		B	
PL	710 x 9.0	330	2	70.650	16.600	33	SS400		W. SPL	C10		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C10		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C10		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C10		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C10		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C10		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	157							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	181 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C11	S		
PL	812 x 9.0	1,046	1	70.650	60.000	60	SM400A		WEB	C11	S		
PL	90 x 9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C11	S		
PL	250 x 10.0	962	1	78.500	18.900	19	SM400A		L. FLG	C11	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C11	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C11	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C11	B		
PL	713 x 9.0	330	2	70.650	16.600	33	SS400		W. SPL	C11	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C11	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C11	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C11	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C11	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C11	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	157						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weight	181 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	C12	S		
PL	819 x 9.0	1,046	1	70.650	60.500	60	SM400A		WEB	C12	S		
PL	90 x 9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C12	S		
PL	250 x 10.0	964	1	78.500	18.900	19	SM400A		L. FLG	C12	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C12	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C12	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C12	B		
PL	715 x 9.0	330	2	70.650	16.700	33	SS400		W. SPL	C12	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C12	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C12	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C12	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C12	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C12	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	157						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weig	181 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C13		S	
PL	826 x 9.0	1,046	1	70.650	61.000	61	SM400A		WEB	C13		S	
PL	90 x 9.0	732	1	70.650	4.650	5	SM400A		V. STIF	C13		S	
PL	250 x 10.0	965	1	78.500	18.900	19	SM400A		L. FLG	C13		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C13		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C13		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C13		B	
PL	717 x 9.0	330	2	70.650	16.700	33	SS400		W. SPL	C13		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C13		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C13		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C13		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C13		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C13		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	158							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	182 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C14		S	
PL	833 x 9.0	1,046	1	70.650	61.600	62	SM400A		WEB	C14		S	
PL	90 x 9.0	731	1	70.650	4.650	5	SM400A		V. STIF	C14		S	
PL	250 x 10.0	967	1	78.500	19.000	19	SM400A		L. FLG	C14		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C14		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C14		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C14		B	
PL	720 x 9.0	330	2	70.650	16.800	34	SS400		W. SPL	C14		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C14		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C14		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C14		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C14		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C14		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	160							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	184 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 17

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x	10.0	941	1	78.500	18.500	18	SM400A		U. FLG	C15		S	
PL	840 x	9.0	1,046	1	70.650	62.100	62	SM400A		WEB	C15		S	
PL	90 x	9.0	731	1	70.650	4.650	5	SM400A		V. STIF	C15		S	
PL	250 x	10.0	969	1	78.500	19.000	19	SM400A		L. FLG	C15		S	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C15		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C15		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C15		B	
PL	722 x	9.0	330	2	70.650	16.800	34	SS400		W. SPL	C15		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C15		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C15		B	
PL	100 x	9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C15		S	
PL	240 x	9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C15		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C15		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	160							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	184 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 18

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C16		S	
PL	847	x 9.0	1,046	1	70.650	62.600	63	SM400A		WEB	C16		S	
PL	90	x 9.0	731	1	70.650	4.650	5	SM400A		V. STIF	C16		S	
PL	250	x 10.0	970	1	78.500	19.000	19	SM400A		L. FLG	C16		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C16		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C16		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C16		B	
PL	724	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C16		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C16		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C16		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C16		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C16		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C16		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 19

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C17		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C17		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C17		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C17		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C17		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C17		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C17		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C17		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C17		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C17		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C17		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C17		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C17		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 20

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C18		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C18		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C18		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C18		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C18		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C18		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C18		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C18		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C18		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C18		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C18		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C18		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C18		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 21

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C19		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C19		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C19		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C19		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C19		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C19		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C19		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C19		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C19		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C19		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C19		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C19		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C19		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 22

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C20		S	
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C20		S	
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C20		S	
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C20		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C20		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C20		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C20		B	
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C20		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C20		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C20		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C20		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C20		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C20		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	161							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 23

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C21		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C21		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C21		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C21		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C21		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C21		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C21		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C21		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C21		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C21		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C21		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C21		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C21		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 24

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C22		S	
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C22		S	
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C22		S	
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C22		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C22		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C22		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C22		B	
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C22		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C22		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C22		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C22		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C22		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C22		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	161							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 25

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C23		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C23		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C23		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C23		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C23		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C23		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C23		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C23		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C23		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C23		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C23		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C23		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C23		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 26

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C24		S	
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C24		S	
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C24		S	
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C24		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C24		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C24		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C24		B	
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C24		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C24		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C24		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C24		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C24		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C24		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	161							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 27

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C25	S		
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C25	S		
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C25	S		
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C25	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C25	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C25	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C25	B		
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C25	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C25	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C25	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C25	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C25	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C25	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	161						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weight	185 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 28

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C26	S		
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C26	S		
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C26	S		
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C26	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C26	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C26	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C26	B		
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C26	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C26	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C26	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C26	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C26	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C26	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	161						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weig	185 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 29

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C27		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C27		S	
PL	90	x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C27		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C27		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C27		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C27		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	C27		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C27		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	C27		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	C27		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C27		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C27		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	C27		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 30

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C28		S	
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C28		S	
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C28		S	
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C28		S	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C28		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C28		S	
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C28		B	
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C28		S	
TCB	M 22	65	28		0.508	14	S10T		WEB	C28		B	
TCB	M 22	55	5		0.478	2	S10T		WEB	C28		B	
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C28		S	
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C28		S	
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C28		B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	12		Weight	161							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weig	185 Kg							

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 31

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	C29	S		
PL	851 x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	C29	S		
PL	90 x 9.0	730	1	70.650	4.640	5	SM400A		V. STIF	C29	S		
PL	250 x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	C29	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	C29	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	C29	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	C29	B		
PL	726 x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	C29	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	C29	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	C29	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	C29	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	C29	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	C29	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	161						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weight	185 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 32

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250 x 10.0	940	1	78.500	18.400	18	SM400A		U. FLG	PF3	S		
PL	800 x 9.0	1,046	1	70.650	59.100	59	SM400A		WEB	PF3	S		
PL	90 x 9.0	734	1	70.650	4.670	5	SM400A		V. STIF	PF3	S		
PL	250 x 10.0	960	1	78.500	18.800	19	SM400A		L. FLG	PF3	S		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	PF3	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	PF3	S		
TCB	M 22	65	8		0.508	4	S10T		U. FLG	PF3	B		
PL	708 x 9.0	330	2	70.650	16.500	33	SS400		W. SPL	PF3	S		
TCB	M 22	65	28		0.508	14	S10T		WEB	PF3	B		
TCB	M 22	55	5		0.478	2	S10T		WEB	PF3	B		
PL	100 x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	PF3	S		
PL	240 x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	PF3	S		
TCB	M 22	65	8		0.508	4	S10T		L. FLG	PF3	B		
Large Shape				Number	0	Weight	0						
Small Shape				Number	12	Weight	156						
Acc Small						Weight	0						
Other Acc						Weight	0						
Butt Joint				0 mm									
Tweld Length				0 mm									
1 Block Total						Weig	180 Kg						

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 33

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	250	x 10.0	942	1	78.500	18.500	18	SM400A		U. FLG	PF4		S	
PL	851	x 9.0	1,046	1	70.650	62.900	63	SM400A		WEB	PF4		S	
PL	90	x 9.0	737	1	70.650	4.690	5	SM400A		V. STIF	PF4		S	
PL	250	x 10.0	971	1	78.500	19.100	19	SM400A		L. FLG	PF4		S	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		UF. SPL	PF4		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		UF. SPL	PF4		S	
TCB	M 22		65	8		0.508	4	S10T		U. FLG	PF4		B	
PL	726	x 9.0	330	2	70.650	16.900	34	SS400		W. SPL	PF4		S	
TCB	M 22		65	28		0.508	14	S10T		WEB	PF4		B	
TCB	M 22		55	5		0.478	2	S10T		WEB	PF4		B	
PL	100	x 9.0	330	2	70.650	2.330	5	SS400		LF. SPL	PF4		S	
PL	240	x 9.0	330	1	70.650	5.600	6	SS400		LF. SPL	PF4		S	
TCB	M 22		65	8		0.508	4	S10T		L. FLG	PF4		B	
	Large Shape		Number	0		Weight	0							
	Small Shape		Number	12		Weight	161							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	Tweld Length			0 mm										
1 Block Total						Weight	185 Kg							

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,628	1	70.650	446.000	446	SM400A	99	WEB			S	
PL	220 x 14.0	10,612	1	109.900	257.000	257	SM400A		U. FLG			S	
PL	220 x 14.0	10,612	1	109.900	257.000	257	SM400A		L. FLG			S	
PL	100 x 10.0	600	1	78.500	4.710	5	SM400A		V. STIF			S	
PL	100 x 10.0	600	1	78.500	4.710	5	SM400A		V. STIF			S	
PL	489 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL			S	
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL			S	
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL			S	
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL			S	
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL			S	
TCB	M 22	65	20		0.508	10	S10T		WEB			B	
TCB	M 22	70	8		0.523	4	S10T		U. FLG			B	
TCB	M 22	70	8		0.523	4	S10T		L. FLG			B	
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC			S. W	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	13		Weight	1,024							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		0 mm										
1 Block Total					Weight	1,042 Kg							

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,990	1	70.650	461.000	461	SM400A	99	WEB		S		
PL	220 x 14.0	10,974	1	109.900	265.000	265	SM400A		U. FLG		S		
PL	220 x 14.0	10,974	1	109.900	265.000	265	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	489 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,055
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,073 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,957	1	70.650	460.000	460	SM400A	99	WEB		S		
PL	220 x 14.0	10,942	1	109.900	265.000	265	SM400A		U. FLG		S		
PL	220 x 14.0	10,942	1	109.900	265.000	265	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	488 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,054
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,072 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,925	1	70.650	458.000	458	SM400A	99	WEB		S		
PL	220 x 14.0	10,912	1	109.900	264.000	264	SM400A		U. FLG		S		
PL	220 x 14.0	10,912	1	109.900	264.000	264	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	487 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,050
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,068 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,702	1	70.650	449.000	449	SM400A	99	WEB		S		
PL	220 x 14.0	10,690	1	109.900	258.000	258	SM400A		U. FLG		S		
PL	220 x 14.0	10,690	1	109.900	258.000	258	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	486 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,028
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,046 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 6

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,555	1	70.650	490.000	490	SM400A		WEB		S		
PL	220 x 14.0	11,544	1	109.900	279.000	279	SM400A		U. FLG		S		
PL	220 x 14.0	11,544	1	109.900	279.000	279	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	485 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,112
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,130 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,605	1	70.650	492.000	492	SM400A		WEB		S		
PL	220 x 14.0	11,596	1	109.900	280.000	280	SM400A		U. FLG		S		
PL	220 x 14.0	11,596	1	109.900	280.000	280	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	485 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,116
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,134 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,556	1	70.650	490.000	490	SM400A		WEB		S		
PL	220 x 14.0	11,548	1	109.900	279.000	279	SM400A		U. FLG		S		
PL	220 x 14.0	11,548	1	109.900	279.000	279	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	484 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,112
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,130 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,508	1	70.650	488.000	488	SM400A		WEB		S		
PL	220 x 14.0	11,501	1	109.900	278.000	278	SM400A		U. FLG		S		
PL	220 x 14.0	11,501	1	109.900	278.000	278	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	485 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,108
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,126 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,496	1	70.650	487.000	487	SM400A		WEB		S		
PL	220 x 14.0	11,487	1	109.900	278.000	278	SM400A		U. FLG		S		
PL	220 x 14.0	11,487	1	109.900	278.000	278	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	485 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,107
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,125 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,396	1	70.650	483.000	483	SM400A		WEB		S		
PL	220 x 14.0	11,388	1	109.900	275.000	275	SM400A		U. FLG		S		
PL	220 x 14.0	11,388	1	109.900	275.000	275	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	484 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,097
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,115 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 12

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,511	1	70.650	446.000	446	SM400A		WEB		S		
PL	220 x 14.0	10,504	1	109.900	254.000	254	SM400A		U. FLG		S		
PL	220 x 14.0	10,504	1	109.900	254.000	254	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	483 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,017
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,035 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,706	1	70.650	454.000	454	SM400A		WEB		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		U. FLG		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	483 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,035
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,053 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,704	1	70.650	454.000	454	SM400A		WEB		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		U. FLG		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,034
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,052 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 15

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,703	1	70.650	454.000	454	SM400A		WEB		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		U. FLG		S		
PL	220 x 14.0	10,700	1	109.900	259.000	259	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,034
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,052 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	7,353	1	70.650	312.000	312	SM400A		WEB		S		
PL	220 x 14.0	7,350	1	109.900	178.000	178	SM400A		U. FLG		S		
PL	220 x 14.0	7,350	1	109.900	178.000	178	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	728
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 746 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	4,940	1	70.650	209.000	209	SM400A		WEB		S		
PL	220 x 14.0	4,937	1	109.900	119.000	119	SM400A		U. FLG		S		
PL	220 x 14.0	4,937	1	109.900	119.000	119	SM400A		L. FLG		S		
PL	100 x 10.0	600	1	78.500	4.710	5	SM400A		V. STIF		S		
RB	D 16	600	5	1.579	0.947	5	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	4	Weight	457
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 457 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 HANG 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	100 x 9.0	120	100	70.650	0.848	85	SM400A		HANG		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	85
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 85 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,417	1	70.650	437.000	437	SM400A	99	WEB		S		
PL	220 x 14.0	10,397	1	109.900	251.000	251	SM400A		U. FLG		S		
PL	220 x 14.0	10,397	1	109.900	251.000	251	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	491 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,001
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,019 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,856	1	70.650	456.000	456	SM400A	99	WEB		S		
PL	220 x 14.0	10,836	1	109.900	262.000	262	SM400A		U. FLG		S		
PL	220 x 14.0	10,836	1	109.900	262.000	262	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	491 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,044
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,062 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,889	1	70.650	457.000	457	SM400A	99	WEB		S		
PL	220 x 14.0	10,868	1	109.900	263.000	263	SM400A		U. FLG		S		
PL	220 x 14.0	10,868	1	109.900	263.000	263	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	492 x 9.0	330	2	70.650	11.500	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,047
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,065 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,918	1	70.650	458.000	458	SM400A	99	WEB		S		
PL	220 x 14.0	10,897	1	109.900	263.000	263	SM400A		U. FLG		S		
PL	220 x 14.0	10,897	1	109.900	263.000	263	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	491 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,048
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,066 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,737	1	70.650	451.000	451	SM400A	99	WEB		S		
PL	220 x 14.0	10,718	1	109.900	259.000	259	SM400A		U. FLG		S		
PL	220 x 14.0	10,718	1	109.900	259.000	259	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	490 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	330	1	94.200	6.530	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	330	1	70.650	4.900	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,032
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,050 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 6

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,681	1	70.650	490.000	490	SM400A	99	WEB		S		
PL	220 x 14.0	11,663	1	109.900	282.000	282	SM400A		U. FLG		S		
PL	220 x 14.0	11,663	1	109.900	282.000	282	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	490 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,118
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,136 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,827	1	70.650	496.000	496	SM400A	99	WEB		S		
PL	220 x 14.0	11,810	1	109.900	286.000	286	SM400A		U. FLG		S		
PL	220 x 14.0	11,810	1	109.900	286.000	286	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	489 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	331	1	94.200	6.550	7	SS400		UF. SPL		S		
PL	80 x 12.0	330	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	331	1	70.650	4.910	5	SS400		LF. SPL		S		
PL	80 x 10.0	330	2	78.500	2.070	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,132
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,150 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,873	1	70.650	498.000	498	SM400A	99	WEB		S		
PL	220 x 14.0	11,857	1	109.900	287.000	287	SM400A		U. FLG		S		
PL	220 x 14.0	11,857	1	109.900	287.000	287	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	488 x 9.0	330	2	70.650	11.400	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,136
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,154 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,917	1	70.650	500.000	500	SM400A	99	WEB		S		
PL	220 x 14.0	11,903	1	109.900	288.000	288	SM400A		U. FLG		S		
PL	220 x 14.0	11,903	1	109.900	288.000	288	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	486 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,140
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,158 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,925	1	70.650	506.000	506	SM400A		WEB		S		
PL	220 x 14.0	11,916	1	109.900	288.000	288	SM400A		U. FLG		S		
PL	220 x 14.0	11,916	1	109.900	288.000	288	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	485 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	13	1.579	0.947	12	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,147
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,165 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,821	1	70.650	501.000	501	SM400A		WEB		S		
PL	220 x 14.0	11,814	1	109.900	286.000	286	SM400A		U. FLG		S		
PL	220 x 14.0	11,814	1	109.900	286.000	286	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	484 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,137
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,155 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 12

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	10,903	1	70.650	462.000	462	SM400A		WEB		S		
PL	220 x 14.0	10,897	1	109.900	263.000	263	SM400A		U. FLG		S		
PL	220 x 14.0	10,897	1	109.900	263.000	263	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	483 x 9.0	330	2	70.650	11.300	23	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,051
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,069 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,106	1	70.650	471.000	471	SM400A		WEB		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		U. FLG		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,070
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,088 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,104	1	70.650	471.000	471	SM400A		WEB		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		U. FLG		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	333	1	94.200	6.590	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	333	1	70.650	4.940	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,070
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 1,088 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 15

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	11,103	1	70.650	471.000	471	SM400A		WEB		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		U. FLG		S		
PL	220 x 14.0	11,100	1	109.900	268.000	268	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	12	1.579	0.947	11	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	1,070
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 1,088 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 16

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	600 x 9.0	7,553	1	70.650	320.000	320	SM400A		WEB		S		
PL	220 x 14.0	7,550	1	109.900	183.000	183	SM400A		U. FLG		S		
PL	220 x 14.0	7,550	1	109.900	183.000	183	SM400A		L. FLG		S		
PL	100 x 10.0	600	2	78.500	4.710	9	SM400A		V. STIF		S		
PL	482 x 9.0	330	2	70.650	11.200	22	SS400		W. SPL		S		
PL	210 x 12.0	332	1	94.200	6.570	7	SS400		UF. SPL		S		
PL	80 x 12.0	331	2	94.200	2.490	5	SS400		UF. SPL		S		
PL	210 x 9.0	332	1	70.650	4.930	5	SS400		LF. SPL		S		
PL	80 x 10.0	331	2	78.500	2.080	4	SS400		LF. SPL		S		
TCB	M 22	65	20		0.508	10	S10T		WEB		B		
TCB	M 22	70	8		0.523	4	S10T		U. FLG		B		
TCB	M 22	70	8		0.523	4	S10T		L. FLG		B		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	13	Weight	746
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weig 764 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	600 x 9.0	5,166	1	70.650	219.000	219	SM400A		WEB			S	
PL	220 x 14.0	5,163	1	109.900	125.000	125	SM400A		U. FLG			S	
PL	220 x 14.0	5,163	1	109.900	125.000	125	SM400A		L. FLG			S	
PL	100 x 10.0	600	1	78.500	4.710	5	SM400A		V. STIF			S	
RB	D 16	600	5	1.579	0.947	5	SS400		S. ANC			S. W	

Large Shape	Number	0	Weight	0
Small Shape	Number	4	Weight	479
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 479 Kg

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 HANG 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	120	100	70.650	0.848	85	SM400A		HANG			S. W	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	85
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 85 Kg

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	620	1	78.500	38.900	39	SM400A		WEB			S	
PL	220 x 19.0	440	1	149.200	14.400	14	SM400A		U. FLG			S	
PL	220 x 19.0	596	1	149.200	19.600	20	SM400A		L. FLG			S	
PL	800 x 10.0	5,384	1	78.500	338.000	338	SM400A		WEB			L	
PL	220 x 19.0	5,127	1	149.200	168.000	168	SM400A		U. FLG			L	
PL	220 x 19.0	5,072	1	149.200	167.000	167	SM400A		L. FLG			L	
PL	90 x 9.0	800	2	70.650	5.090	10	SM400A		V. STIF			S	
PL	90 x 9.0	800	2	70.650	5.090	10	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	660 x 22.0	405	1	172.700	33.700	34	SS400	73	UF. SPL			S	
TCB	M 22	75	8		0.538	4	S10T		U. FLG			B	
TCB	M 22	80	8		0.553	4	S10T		U. FLG			B	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	

Large Shape	Number	3	Weight	673
Small Shape	Number	17	Weight	230
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	21,536 mm			

1 Block Total Weight 944 Kg

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,384	1	78.500	338.000	338	SM400A		WEB			L	
PL	220 x 19.0	5,162	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,072	1	149.200	167.000	167	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	

Large Shape	Number	3	Weight	674
Small Shape	Number	13	Weight	123
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	21,536 mm			

1 Block Total Weight 830 Kg

5 Block Total Weight 4,150 Kg

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,383	1	78.500	338.000	338	SM400A		WEB			L	
PL	220 x 19.0	5,162	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,072	1	149.200	167.000	167	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	674							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,532 mm										
1 Block Total					Weight	830 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,382	1	78.500	338.000	338	SM400A		WEB			L	
PL	220 x 19.0	5,162	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,072	1	149.200	167.000	167	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	674							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,528 mm										
1 Block Total					Weig	830 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,381	1	78.500	338.000	338	SM400A		WEB			L	
PL	220 x 19.0	5,162	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,072	1	149.200	167.000	167	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	674							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,524 mm										
1 Block Total					Weight	830 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,180	1	78.500	325.000	325	SM400A		WEB			L	
PL	220 x 19.0	4,962	1	149.200	163.000	163	SM400A		U. FLG			L	
PL	220 x 19.0	4,872	1	149.200	160.000	160	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	648							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		20,720 mm										
1 Block Total					Weig	804 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,679	1	78.500	357.000	357	SM400A		WEB			L	
PL	220 x 19.0	5,462	1	149.200	179.000	179	SM400A		U. FLG			L	
PL	220 x 19.0	5,372	1	149.200	176.000	176	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	712							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		22,716 mm										
1 Block Total					Weight	868 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,779	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,562	1	149.200	183.000	183	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	726							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,116 mm										
1 Block Total					Weig	882 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,778	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,112 mm										
1 Block Total					Weight	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,777	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,108 mm										
1 Block Total					Weig	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,776	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,104 mm										
1 Block Total					Weight	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,775	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,100 mm										
1 Block Total					Weig	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,774	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,096 mm										
1 Block Total					Weight	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,773	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,092 mm										
1 Block Total					Weig	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,772	1	78.500	363.000	363	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	725							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,088 mm										
1 Block Total					Weight	881 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,771	1	78.500	362.000	362	SM400A		WEB			L	
PL	220 x 19.0	5,561	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,471	1	149.200	180.000	180	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	724							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,084 mm										
1 Block Total					Weig	880 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,771	1	78.500	362.000	362	SM400A		WEB			L	
PL	220 x 19.0	5,560	1	149.200	182.000	182	SM400A		U. FLG			L	
PL	220 x 19.0	5,470	1	149.200	179.000	179	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	723							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		23,084 mm										
1 Block Total					Weight	879 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-18

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,670	1	78.500	356.000	356	SM400A		WEB			L	
PL	220 x 19.0	5,460	1	149.200	179.000	179	SM400A		U. FLG			L	
PL	220 x 19.0	5,370	1	149.200	176.000	176	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	711							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		22,680 mm										
1 Block Total					Weig	867 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,169	1	78.500	325.000	325	SM400A		WEB			L	
PL	220 x 19.0	4,960	1	149.200	163.000	163	SM400A		U. FLG			L	
PL	220 x 19.0	4,870	1	149.200	160.000	160	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	648							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		20,676 mm										
1 Block Total					Weight	804 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,368	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,472 mm										
1 Block Total					Weig	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-21

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,367	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,468 mm										
1 Block Total					Weight	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-22

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,367	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,468 mm										
1 Block Total					Weig	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-23

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,366	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,464 mm										
1 Block Total					Weight	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-24

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,365	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,460 mm										
1 Block Total					Weig	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-25

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	800 x 10.0	5,365	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,460 mm										
1 Block Total					Weight	828 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-26

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	5,364	1	78.500	337.000	337	SM400A		WEB			L	
PL	220 x 19.0	5,160	1	149.200	169.000	169	SM400A		U. FLG			L	
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG			L	
PL	90 x 9.0	800	4	70.650	5.090	20	SM400A		V. STIF			S	
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC			S. W	
PL	210 x 22.0	900	1	172.700	32.600	33	SS400		UF. SPL			S	
TCB	M 22	80	16		0.553	9	S10T		U. FLG			B	
TCB	M 22	70	4		0.523	2	S10T		U. FLG			B	
TCB	M 22	55	14		0.478	7	S10T		WEB			B	
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1			S	
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1			S	
TCB	M 22	80	28		0.553	15	S10T		L. FLG			B	
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN			S	
	Large Shape	Number	3		Weight	672							
	Small Shape	Number	13		Weight	123							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	Tweld Length		21,456 mm										
1 Block Total					Weight	828 Kg							
2 Block Total					Weight	1,656 Kg							

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-27

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	800 x 10.0	600	1	78.500	37.700	38	SM400A		WEB		S		
PL	220 x 19.0	440	1	149.200	14.400	14	SM400A		U. FLG		S		
PL	220 x 19.0	596	1	149.200	19.600	20	SM400A		L. FLG		S		
PL	800 x 10.0	5,364	1	78.500	337.000	337	SM400A		WEB		L		
PL	220 x 19.0	5,125	1	149.200	168.000	168	SM400A		U. FLG		L		
PL	220 x 19.0	5,070	1	149.200	166.000	166	SM400A		L. FLG		L		
PL	90 x 9.0	800	2	70.650	5.090	10	SM400A		V. STIF		S		
PL	90 x 9.0	800	2	70.650	5.090	10	SM400A		V. STIF		S		
RB	D 16	600	4	1.579	0.947	4	SS400		S. ANC		S.W		
PL	660 x 22.0	405	1	172.700	33.700	34	SS400	73	UF. SPL		S		
TCB	M 22	75	8		0.538	4	S10T		U. FLG		B		
TCB	M 22	80	8		0.553	4	S10T		U. FLG		B		
TCB	M 22	55	14		0.478	7	S10T		WEB		B		
PL	360 x 12.0	400	2	94.200	11.800	24	SS400	87	LF. SPL1		S		
PL	155 x 14.0	395	4	109.900	5.850	23	SS400	87	LF. SPL1		S		
TCB	M 22	80	28		0.553	15	S10T		L. FLG		B		

Large Shape	Number	3	Weight	671
Small Shape	Number	14	Weight	177
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	21,456 mm			

1 Block Total Weight 878 Kg

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC HANG 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	100 x 9.0	120	100	70.650	0.848	85	SM400A		HANG		S.W		
PL	176 x 19.0	360	2	149.200	9.450	19	SM400A		CONN		S		

Large Shape	Number	0	Weight	0
Small Shape	Number	2	Weight	104
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
Tweld Length	0 mm			

1 Block Total Weight 104 Kg

<ACCESSORY><DRAINAGE> Block: SUPPOT B1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A			S. W C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W C	
PL	100 x 6.0	762	1	47.100	3.590	4	SM400A		PLATING	S. W C	
PL	158 x 6.0	640	1	47.100	4.760	5	SM400A		PLATING	S. W C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B C	
W	M 12		16		0.005	1	SS400		PLATING	B C	
	Large Shape	Number	0		Weight	0					
	Small Shape	Number	0		Weight	0					
	Acc Small				Weight	12					
	Other Acc				Weight	0					
	Butt Joint		0 mm								
	Tweld Length		0 mm								
1 Block Total					Weight	14 Kg					
85 Block Total					Weight	1,190 Kg					

<ACCESSORY><DRAINAGE> Block: SUPPOT S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am Elt	Abs
PL	100 x 8.0	140	1	62.800	0.879	1	SM400A			S. W C	
FB	100 x 6.0	446	2	4.710	2.100	4	SS400		PLATING	S. W C	
FB	100 x 6.0	361	1	4.710	1.700	2	SS400		PLATING	S. W C	
B. N	M 12	40	4		0.067	1	SS400		PLATING	B C	
W	M 12		8		0.005	1	SS400		PLATING	B C	
B. N	M 12	45	4		0.072	1	SS400		PLATING	B C	
W	M 12		8		0.005	1	SS400		PLATING	B C	
	Large Shape	Number	0		Weight	0					
	Small Shape	Number	0		Weight	0					
	Acc Small				Weight	7					
	Other Acc				Weight	0					
	Butt Joint		0 mm								
	Tweld Length		0 mm								
1 Block Total					Weight	11 Kg					
4 Block Total					Weight	44 Kg					

<ACCESSORY><DRAINAGE> Block: SUPPOT S2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am Elt	Abs
PL	100 x 8.0	106	1	62.800	0.666	1	SM400A			S. W C	
FB	100 x 6.0	446	2	4.710	2.100	4	SS400		PLATING	S. W C	
B. N	M 12	40	4		0.067	1	SS400		PLATING	B C	
W	M 12		8		0.005	1	SS400		PLATING	B C	
	Large Shape	Number	0		Weight	0					
	Small Shape	Number	0		Weight	0					
	Acc Small				Weight	5					
	Other Acc				Weight	0					
	Butt Joint		0 mm								
	Tweld Length		0 mm								
1 Block Total					Weight	7 Kg					
17 Block Total					Weight	119 Kg					

2.2 Summary list of various materials

2.2.1 Drainage

Drainage of superstructure

Item		Unit	Quantity	Remark
Pipe length	200A	m	203.3	VP
Straight pipe	200A	m	142.2	VP
Curve pipe	200A	No.	36	VP
Expansion joint	HORIZONTAL PULLING	No.	16	VP
	VERTICAL PULLING	No.	4	
End cap	VP200A	No.	2	
Device for flexible tube		set	8	For straight pipe
Flexible tube	ø20	m	12.7	SUS304
Flexible tube joint	ø20	No.	8	Polyvinyl chloride pipe
Drain pipe on deck slab		m	198.8	φ 20
Edge joint treatment		m	740.8	
Extension of molding joint		m	740.8	
Joint filler		m ²	1976.7	Coated waterproofing membrane
Catch pit		No.	17	400x320

1) Quantity Calculation Of Drainage

(a) PF. 2-PF. 5 (BOX)

a) Pipe length

VP (200A)

PF. 3 (L)

DRL1	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545		
DRL2	(	1.630	-	0.380	-	0.425	+	0.950	=	1.775		
DRL3	(	1.914	-	0.380	-	0.425	+	0.950	=	2.059		
DRL4	(	1.796	-	0.380	-	0.425	+	0.950	=	1.941		
DRL5	(	1.770	-	0.380	-	0.425	+	0.950	=	1.915		
DRL6	(	1.710	-	0.380	-	0.425	+	0.950	=	1.855		
DRL7	(	1.523	-	0.380	-	0.425	+	0.950	=	1.668		
		13.906	+	44.120	+	0.390	+	0.675	+	0.372	=	59.463

PF. 4 (L)

DRL8	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545
DRL9	(	2.431	-	0.380	-	0.425	+	0.950	=	2.576
DRL10	(	2.013	-	0.380	-	0.425	+	0.950	=	2.158
DRL11	(	1.525	-	0.380	-	0.425	+	0.950	=	1.670
		18.408	+	46.519	+	0.851	+	0.372	=	66.150

PF. 2 (R)

DRR1	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545
DRR2	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545
DRR3	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545
		27.913	+	1.426	+	0.372			=	29.711

PF. 3 (R)

DRR4	(	1.400	-	0.380	-	0.425	+	0.950	=	1.545
DRR5	(	1.630	-	0.380	-	0.425	+	0.950	=	1.775
DRR6	(	1.914	-	0.380	-	0.425	+	0.950	=	2.059
DRR7	(	2.187	-	0.380	-	0.425	+	0.950	=	2.332
		13.906	+	0.675	+	0.372			=	14.953

Σ 203.3 m

b) Straight pipe

VP (200A)							
L-LINE1	2.403	+	3.602	+	3.501	=	9.506
L-LINE2	3.702	+	7.604	+	18.609	+	9.204 = 39.119
L-LINE3	16.908					=	16.908
L-LINE4	18.613	+	18.613	+	4.202	=	41.428
R-LINE1	16.508	+	8.404			=	24.912
R-LINE2	2.403	+	3.602	+	4.301	=	10.306
						Σ	142.2 m

c) Curve pipe

VP (200A)			
T11		piece	17
T12		piece	4
T13		piece	11
T14		piece	1
T15		piece	1
T16		piece	1
T19		piece	1

d) Expansion joint

VP (200A)	EX	HORIZONTAL PULLING	piece	16
	EX-S	VERTICAL PULLING	piece	4

e) End cap

VP (200A)		piece	2

f) Device for flexible tube

SD

set

8

g) Flexible tube

ø20 (SUS304)

SDL1	$\sqrt{((1.626 - 0.365)^2 + 0.875^2)}$	=	1.535
SDL2	$\sqrt{((1.400 - 0.365)^2 + 0.875^2)}$	=	1.355
SDL3	$\sqrt{((1.839 - 0.365)^2 + 0.875^2)}$	=	1.714
SDL4	$\sqrt{((2.232 - 0.365)^2 + 0.875^2)}$	=	2.062
SDL5	$\sqrt{((1.775 - 0.365)^2 + 0.875^2)}$	=	1.659
SDL6	$\sqrt{((1.400 - 0.365)^2 + 0.875^2)}$	=	1.355
SDR1	$\sqrt{((1.400 - 0.365)^2 + 0.875^2)}$	=	1.355
SDR2	1.700	=	1.700
		Σ	12.7 m

h) Flexible tube joint ø20

piece

8

i) Drain pipe on deck slab ø20

L2	139.200	x	1	=	139.200
R2	48.600	x	1	=	48.600
GE1	5.500	x	1	=	5.500
GE1	5.500	x	1	=	5.500
				Σ	198.8 m

j) Edge joint treatment, Extension of molding joint

L2	GE1-GE2	179.700			=	179.700
L3	GE1-GE2	179.700			=	179.700
R2	GE1-GE2	179.700			=	179.700
R3	GE1-GE2	179.700			=	179.700
GE1		5.500	+	5.500	=	11.000
GE2		5.500	+	5.500	=	11.000
					Σ	740.8 m

k) Joint filler

$$((5.500 + 5.500) \times 179.700) = 1976.7 \text{ m}^2$$

l) Catch pit

set

17

2.2.2 Bearing

Item	Classification	Unit	Quantity	Application
Rubber bearing	Rmax= 2672 kN	piece	2	PF2
Rubber bearing	Rmax= 2845 kN	piece	2	PF5
Rubber bearing	Rmax= 7428 kN	piece	2	PF3
Rubber bearing	Rmax= 7481 kN	piece	2	PF4

3. Painting

3.1 Summary list of painting area

Summary list of painting area

Classification of painting		Painting area(m2)	Painting division(Painting system)
Exterior painting	Factory painting	3421.1	C-5
	Spot painting	360.2	F-11
Internal painting	Factory painting(B1+D1)	6448.8	D-5
	Spot painting(B2+F2+D)	488.3	F-12
Concrete contact	Factory painting	289.3	INORGANIC ZINC-RICH PAINT
	Spot painting	22.9	INORGANIC ZINC-RICH PAINT
Additional painting	Factory painting	1189.0	C-5*
	Spot painting	91.6	F-11*
Contact surface of splicing part		1435.2	INORGANIC ZINC-RICH PAINT

3.2 Calculation of painting area

(m²)

Classification of painting(Symbol)		Main body
Exterior painting	General part (A1)	3421.1
	Splicing part (A2+E2)	360.2
Internal painting The box figure	General part (B1)	5750.2
	Splicing par (B2+F2)	432.9
Concrete contact	General part (C1)	289.3
	Splicing par (C2+G2)	22.9
Internal painting Upper flange top surface	General part (D1)	698.7
	Splicing par (D2)	55.4
Additional painting	General part (U1)	1189.0
	Splicing par (U2+I2)	91.6
Contact surface of splicing part	Splicing par (J2)	1435.2

Main body painting area

Painting division (Symbol)		Main body		
		Main posture	Superstructure Drainage system	Subtotal
Exterior painting (Common steel materials)	General part (A1)	3417.77	3.33	3421.09
	Splicing part (A2)	295.94	0.00	295.94
	Total (Σ A)	3713.71	3.33	3717.04
Internal painting (Common steel materials)	General part (B1)	5750.15	0.00	5750.15
	Splicing part (B2)	294.21	0.00	294.21
	Total (Σ B)	6044.37	0.00	6044.37
Concrete contact (Common steel materials)	General part (C1)	289.32	0.00	289.32
	Splicing part (C2)	19.66	0.00	19.66
	Total (Σ C)	308.97	0.00	308.97
Internal painting Upper flange top surface (Common steel materials)	General part (D1)	698.67	0.00	698.67
	Splicing part (D2)	55.41	0.00	55.41
	Total (Σ D)	754.08	0.00	754.08
Bolt head Exterior painting	General part (E1)	0.00	0.00	0.00
	Splicing part (E2)	64.29	0.00	64.29
	Total (Σ E)	64.29	0.00	64.29
Bolt head Internal painting	General part (F1)	0.00	0.00	0.00
	Splicing part (F2)	138.72	0.00	138.72
	Total (Σ F)	138.72	0.00	138.72
Bolt head Concrete contact	General part (G1)	0.00	0.00	0.00
	Splicing part (G2)	3.27	0.00	3.27
	Total (Σ G)	3.27	0.00	3.27
Bolt head Additional painting	General part (I1)	0.00	0.00	0.00
	Splicing part (I2)	12.84	0.00	12.84
	Total (Σ I)	12.84	0.00	12.84
Contact surface of splicing part (Common steel materials)	General part (J1)	0.00	0.00	0.00
	Splicing part (J2)	1435.15	0.00	1435.15
	Total (Σ J)	1435.15	0.00	1435.15
Additional painting (Common steel materials)	General part (U1)	1188.98	0.00	1188.98
	Splicing part (U2)	78.72	0.00	78.72
	Total (Σ U)	1267.71	0.00	1267.71

※ The above (A - U) shows a sign of the detailed output.

Painting N		Total	MAIN STRUCTURE	ACCESSORY
A:	Ordinary	3421.09	3417.77	3.33
	Splicing	295.94	295.94	0.00
	Total	3717.04	3713.71	3.33
B:	Ordinary	5750.15	5750.15	0.00
	Splicing	294.21	294.21	0.00
	Total	6044.37	6044.37	0.00
C:	Ordinary	289.32	289.32	0.00
	Splicing	19.66	19.66	0.00
	Total	308.97	308.97	0.00
D:	Ordinary	698.67	698.67	0.00
	Splicing	55.41	55.41	0.00
	Total	754.08	754.08	0.00
E:	Ordinary	0.00	0.00	0.00
	Splicing	64.29	64.29	0.00
	Total	64.29	64.29	0.00
F:	Ordinary	0.00	0.00	0.00
	Splicing	138.72	138.72	0.00
	Total	138.72	138.72	0.00
G:	Ordinary	0.00	0.00	0.00
	Splicing	3.27	3.27	0.00
	Total	3.27	3.27	0.00
I:	Ordinary	0.00	0.00	0.00
	Splicing	12.84	12.84	0.00
	Total	12.84	12.84	0.00
J:	Ordinary	0.00	0.00	0.00
	Splicing	1435.15	1435.15	0.00
	Total	1435.15	1435.15	0.00
U:	Ordinary	1188.98	1188.98	0.00
	Splicing	78.72	78.72	0.00
	Total	1267.71	1267.71	0.00

<MAIN STRUCTURE>

Painting N		Total	GIRDER	CROSSBEAM	BRACKET
A:	Ordinary	3417.77	1858.27	428.97	105.93
	Splicing	295.94	115.38	90.88	51.86
	Total	3713.71	1973.66	519.85	157.79
B:	Ordinary	5750.15	5750.15	0.00	0.00
	Splicing	294.21	294.21	0.00	0.00
	Total	6044.37	6044.37	0.00	0.00
C:	Ordinary	289.32	178.97	1.34	0.63
	Splicing	19.66	10.30	0.71	0.32
	Total	308.97	189.27	2.04	0.94
D:	Ordinary	698.67	669.16	19.84	9.68
	Splicing	55.41	43.91	5.95	5.55
	Total	754.08	713.07	25.79	15.22
E:	Ordinary	0.00	0.00	0.00	0.00
	Splicing	64.29	14.53	23.98	14.95
	Total	64.29	14.53	23.98	14.95
F:	Ordinary	0.00	0.00	0.00	0.00
	Splicing	138.72	138.27	0.03	0.43
	Total	138.72	138.27	0.03	0.43
G:	Ordinary	0.00	0.00	0.00	0.00
	Splicing	3.27	0.45	0.05	0.03
	Total	3.27	0.45	0.05	0.03
I:	Ordinary	0.00	0.00	0.00	0.00
	Splicing	12.84	7.54	1.97	0.96
	Total	12.84	7.54	1.97	0.96
J:	Ordinary	0.00	0.00	0.00	0.00
	Splicing	1435.15	1065.45	187.68	100.36
	Total	1435.15	1065.45	187.68	100.36
U:	Ordinary	1188.98	1119.44	27.56	6.86
	Splicing	78.72	61.54	6.93	3.39
	Total	1267.71	1180.98	34.49	10.25

<MAIN STRUCTURE>

Painting N		OUTSIDE STRINGER	INSIDE STRINGER
A:	Ordinary	638.75	385.85
	Splicing	18.80	19.02
	Total	657.55	404.87
B:	Ordinary	0.00	0.00
	Splicing	0.00	0.00
	Total	0.00	0.00
C:	Ordinary	76.90	31.49
	Splicing	2.23	6.10
	Total	79.13	37.59
D:	Ordinary	0.00	0.00
	Splicing	0.00	0.00
	Total	0.00	0.00
E:	Ordinary	0.00	0.00
	Splicing	5.83	4.99
	Total	5.83	4.99
F:	Ordinary	0.00	0.00
	Splicing	0.00	0.00
	Total	0.00	0.00
G:	Ordinary	0.00	0.00
	Splicing	0.00	2.74
	Total	0.00	2.74
I:	Ordinary	0.00	0.00
	Splicing	0.00	2.36
	Total	0.00	2.36
J:	Ordinary	0.00	0.00
	Splicing	36.85	44.81
	Total	36.85	44.81
U:	Ordinary	25.66	9.46
	Splicing	0.00	6.87
	Total	25.66	16.33

<ACCESSORY>

Painting N		Total	DRAINAGE
A:	Ordinar	3.33	3.33
	Splicin	0.00	0.00
	Total	3.33	3.33
B:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
C:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
D:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
E:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
F:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
G:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
I:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
J:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
U:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 10.0	8,140	1	U. FLG			39.90	19.95 (D)	19.95 (B)
*=	-2451	1,100	1				-2.70	-2.70 (D)	
*=	2451	1,100	1				2.70	2.70 (C)	
*=	-250	7,040	2				-1.76	-3.52 (D)	
*=	250	7,040	2				1.76	3.52 (C)	
*=	-125	8,140	2				-1.02	-2.04 (B)	
*=	125	4,740	2				0.59	1.18 (A)	
*=	125	3,400	2				0.43	0.85 (U)	
PL	190 x 19.0	8,135	1	U. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	8,129	1	U. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	8,124	1	U. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	8,120	1	U. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	8,115	1	U. RIB			3.08	2.87 (B)	0.22 (U)
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 10.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,140	1	L. FLG			39.89	19.94 (U)	19.94 (B)
*=	-125	8,140	2				-1.02	-2.04 (B)	
*=	125	8,140	2				1.02	2.04 (U)	
*=	10	8,140	2				0.08	0.16 (U)	
PL	190 x 19.0	3,302	1	L. RIB			1.25	1.02 (B)	0.24 (U)
PL	190 x 19.0	8,130	1	L. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	3,298	1	L. RIB			1.25	1.02 (B)	0.24 (U)
PL	190 x 19.0	8,119	1	L. RIB			3.09	2.87 (B)	0.22 (U)
PL	190 x 19.0	3,294	1	L. RIB			1.25	1.01 (B)	0.24 (U)
PL	810 x 46.0	760	1	SOLE		Z		0.00 (A)	
PL	120 x 14.0	2,190	2	RIB			0.53	0.53 (B)	0.53 (U)
PL	350 x 10.0	2,190	2	RIB			1.53	1.53 (B)	1.53 (U)
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	360	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	366	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,390	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,389	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,387	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	1,292	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,228	2	H. ST IF			0.34	0.69 (B)	
PL	140 x 12.0	1,294	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,291	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	375	1	H. ST IF			0.10	0.10 (B)	
PL	2426 x 12.0	8,222	1	WEB	99		39.49	19.75 (A)	19.75 (B)
*=	-2426	3,400	1				-8.25	-8.25 (A)	
*=	2426	3,400	1				8.25	8.25 (U)	
*=	-2426	600	1				-1.46	-1.46 (B)	
*=	2426	600	1				1.46	1.46 (U)	
*=	-100	4,822	1				-0.48	-0.48 (A)	
*=	100	4,822	1				0.48	0.48 (U)	
PL	140 x 12.0	2,324	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,326	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,327	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	1,287	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,223	2	H. ST IF			0.34	0.68 (B)	
PL	140 x 12.0	1,288	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,287	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	372	1	H. ST IF			0.10	0.10 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2357 x 12.0	8,192	1	WEB	99		38.23	19.12 (A)	19.12 (B)
*=	-2357	3,400	1				-8.01	-8.01 (A)	
*=	2357	3,400	1				8.01	8.01 (U)	
*=	-2357	600	1				-1.41	-1.41 (B)	
*=	2357	600	1				1.41	1.41 (U)	
*=	-100	4,792	1				-0.48	-0.48 (A)	
*=	100	4,792	1				0.48	0.48 (U)	
PL	420 x 16.0	370	1	CB-UF	88		0.27	0.14 (U)	0.14 (C)
PL	1806 x 9.0	488	1	CB-W	98		1.73	1.73 (U)	
PL	320 x 16.0	488	1	CB-LF	99		0.31	0.31 (U)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1805 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	74		0.19	0.10 (U)	0.10 (C)
PL	905 x 9.0	488	1	BR-W			0.88	0.88 (U)	
PL	250 x 10.0	501	1	BR-LF			0.25	0.25 (U)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	903 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	2426 x 12.0	2,190	1	DIA			10.63	5.31 (U)	5.31 (B)
PL	119 x 10.0	300	2	D. FBF			0.07	0.07 (U)	0.07 (B)
PL	154 x 16.0	300	2	D. FBF			0.09	0.09 (U)	0.09 (B)
PL	160 x 16.0	2,090	4	S. STF			0.67	1.34 (U)	1.34 (B)
PL	700 x 12.0	1,000	2	M. H	43	Z		0.00 (A)	
PL	480 x 9.0	680	1	M. H	83	Z		0.00 (A)	
PL	150 x 9.0	400	2	M. H	80		0.10	0.19 (B)	
PL	80 x 9.0	110	2	M. H			0.02	0.04 (B)	
RB	D 13	310	1	M. H		Z		0.00 (A)	
B. N	M 16	40	4	M. H		Z		0.00 (A)	
SP5	20A	280	1	M. H		Z		0.00 (A)	
WPIN	5.0	36	2	M. H		Z		0.00 (A)	
PL	2423 x 9.0	2,190	1	DIA			10.61	10.61 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,205	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,504	1	CR-STF			0.42	0.42 (B)	
PL	140 x 12.0	1,440	1	CR-STF			0.40	0.40 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,191	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	200 x 14.0	2,431	2	JACKUP			0.97	1.94 (B)	
PL	200 x 14.0	2,361	2	JACKUP			0.94	1.89 (B)	
PL	250 x 30.0	250	1	BASEPL		Z		0.00 (A)	
PL	250 x 30.0	250	1	BASEPL		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			26.24		0.00		
		B:			133.41		0.00		
		C:			6.45		0.00		
		D:			13.93		0.00		
		U:			57.69		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,213	1	U. FLG			40.26	20.13 (D)	20.13 (B)
*=	-125	8,213	2				-1.03	-2.05 (B)	
*=	125	8,213	2				1.03	2.05 (A)	
*=	-250	8,213	2				-2.05	-4.11 (D)	
*=	250	8,213	2				2.05	4.11 (C)	
PL	190 x 19.0	8,206	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,202	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,198	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,194	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,190	1	U. RIB			3.11	3.11 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,213	1	L. FLG			40.24	20.12 (U)	20.12 (B)
*=	-125	8,213	2				-1.03	-2.05 (B)	
*=	125	8,213	2				1.03	2.05 (U)	
*=	18	8,213	2				0.15	0.30 (U)	
PL	190 x 19.0	8,202	1	L. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,194	1	L. RIB			3.11	3.11 (B)	
PL	140 x 12.0	2,381	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,380	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,378	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	311	1	H. STIF			0.09	0.09 (B)	
PL	140 x 12.0	1,226	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,291	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,290	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,224	2	H. STIF			0.34	0.69 (B)	
PL	140 x 12.0	374	1	H. STIF			0.10	0.10 (B)	
PL	2417 x 12.0	8,292	1	WEB	99		39.68	19.84 (A)	19.84 (B)
*=	-100	8,292	1				-0.83	-0.83 (A)	
*=	100	8,292	1				0.83	0.83 (U)	
PL	140 x 12.0	2,324	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,326	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,327	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	1,221	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,287	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,286	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,221	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	372	1	H. STIF			0.10	0.10 (B)	
PL	2362 x 12.0	8,267	1	WEB	98		38.27	19.14 (A)	19.14 (B)
*=	-100	8,267	1				-0.83	-0.83 (A)	
*=	100	8,267	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1799 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	902 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	2415 x 9.0	2,190	1	DIA			10.58	10.58 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,204	1	CR-W	99		1.96	1.96 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 2

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,497	1	CR-STF			0.42	0.42 (B)
PL	140	x 12.0	1,439	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	450	x 9.0	2,202	1	CR-W	99		1.96	1.96 (B)
PL	140	x 12.0	1,494	1	CR-STF			0.42	0.42 (B)
PL	140	x 12.0	1,442	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		42.79		0.00		
			B:		128.30		0.00		
			C:		4.11		0.00		
			D:		16.22		0.00		
			U:		24.13		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,202	1	U. FLG			40.21	20.10 (D)	20.10 (B)
*=	-125	8,202	2				-1.03	-2.05 (B)	
*=	125	8,202	2				1.03	2.05 (A)	
*=	-250	8,202	2				-2.05	-4.10 (D)	
*=	250	8,202	2				2.05	4.10 (C)	
PL	190 x 19.0	8,193	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,191	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,188	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,185	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,182	1	U. RIB			3.11	3.11 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,203	1	L. FLG			40.19	20.10 (U)	20.10 (B)
*=	-125	8,203	2				-1.03	-2.05 (B)	
*=	125	8,203	2				1.03	2.05 (U)	
*=	18	8,203	2				0.15	0.30 (U)	
PL	190 x 19.0	8,191	1	L. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,185	1	L. RIB			3.11	3.11 (B)	
PL	140 x 12.0	2,376	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,375	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,373	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	375	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,288	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	1,223	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	1,287	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	373	1	H. STIF			0.10	0.10 (B)	
PL	2412 x 12.0	8,278	1	WEB	99		39.53	19.77 (A)	19.77 (B)
*=	-100	8,278	1				-0.83	-0.83 (A)	
*=	100	8,278	1				0.83	0.83 (U)	
PL	140 x 12.0	2,329	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,330	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,332	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	374	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,285	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	1,285	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	371	1	H. STIF			0.10	0.10 (B)	
PL	2368 x 12.0	8,261	1	WEB	98		38.34	19.17 (A)	19.17 (B)
*=	-100	8,261	1				-0.83	-0.83 (A)	
*=	100	8,261	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1798 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1796 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	900 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	898 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	499	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 3

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	2412	x 9.0	2,190	1	DIA			10.56	10.56 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2409	x 9.0	2,190	1	DIA			10.55	10.55 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	450	x 9.0	2,201	1	CR-W	99		1.96	1.96 (B)
PL	140	x 12.0	1,491	1	CR-STF			0.42	0.42 (B)
PL	140	x 12.0	1,445	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		46.15		0.00		
			B:		133.83		0.00		
			C:		4.10		0.00		
			D:		16.39		0.00		
			U:		24.10		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,193	1	U. FLG			40.16	20.08 (D)	20.08 (B)
*=	-125	8,193	2				-1.02	-2.05 (B)	
*=	125	8,193	2				1.02	2.05 (A)	
*=	-250	8,193	2				-2.05	-4.10 (D)	
*=	250	8,193	2				2.05	4.10 (C)	
PL	190 x 19.0	8,182	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,180	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,178	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,177	1	U. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,175	1	U. RIB			3.11	3.11 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,193	1	L. FLG			40.15	20.07 (U)	20.07 (B)
*=	-125	8,193	2				-1.02	-2.05 (B)	
*=	125	8,193	2				1.02	2.05 (U)	
*=	18	8,193	2				0.15	0.29 (U)	
PL	190 x 19.0	8,180	1	L. RIB			3.11	3.11 (B)	
PL	190 x 19.0	8,177	1	L. RIB			3.11	3.11 (B)	
PL	140 x 12.0	2,370	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,367	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,364	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	1,221	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,287	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,285	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	372	1	H. STIF			0.10	0.10 (B)	
PL	2407 x 12.0	8,261	1	WEB	99		39.37	19.69 (A)	19.69 (B)
*=	-100	8,261	1				-0.83	-0.83 (A)	
*=	100	8,261	1				0.83	0.83 (U)	
PL	140 x 12.0	2,334	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,337	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,340	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	1,219	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,285	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,284	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,218	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	371	1	H. STIF			0.10	0.10 (B)	
PL	2377 x 12.0	8,251	1	WEB	98		38.44	19.22 (A)	19.22 (B)
*=	-100	8,251	1				-0.83	-0.83 (A)	
*=	100	8,251	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1794 x 9.0	488	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	896 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	499	1	BR-LF			0.25	0.25 (A)	
PL	2404 x 9.0	2,190	1	DIA			10.53	10.53 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,199	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,487	1	CR-STF			0.42	0.42 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140 x 12.0	1,448	1	CR-STF			0.41	0.41 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	450 x 9.0	2,196	1	CR-W	99		1.96	1.96 (B)
PL	140 x 12.0	1,481	1	CR-STF			0.41	0.41 (B)
PL	140 x 12.0	1,453	1	CR-STF			0.41	0.41 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,190	2	CR-F			0.66	1.31 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.70	0.00
	B:	127.93	0.00
	C:	4.10	0.00
	D:	16.18	0.00
	U:	24.07	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 11.0	8,183	1	U. FLG			40.10	20.05 (D)	20.05 (B)
*=	-125	8,183	2				-1.02	-2.05 (B)	
*=	125	8,183	2				1.02	2.05 (A)	
*=	-250	8,183	2				-2.05	-4.09 (D)	
*=	250	8,183	2				2.05	4.09 (C)	
PL	190 x 19.0	8,170	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,169	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,169	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,168	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,168	1	U. RIB			3.10	3.10 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,183	1	L. FLG			40.10	20.05 (U)	20.05 (B)
*=	-125	8,183	2				-1.02	-2.05 (B)	
*=	125	8,183	2				1.02	2.05 (U)	
*=	10	8,183	2				0.08	0.16 (U)	
PL	190 x 19.0	8,169	1	L. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,168	1	L. RIB			3.10	3.10 (B)	
PL	190 x 19.0	7,458	1	L. RIB			2.83	2.83 (B)	
PL	190 x 19.0	7,457	1	L. RIB			2.83	2.83 (B)	
PL	190 x 19.0	7,456	1	L. RIB			2.83	2.83 (B)	
PL	140 x 12.0	2,364	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,396	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,393	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	373	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,284	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,218	3	H. STIF			0.34	1.02 (B)	
PL	140 x 12.0	1,283	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	371	2	H. STIF			0.10	0.21 (B)	
PL	2401 x 12.0	8,246	1	WEB	99		39.20	19.60 (A)	19.60 (B)
*=	-100	8,246	1				-0.82	-0.82 (A)	
*=	100	8,246	1				0.82	0.82 (U)	
PL	140 x 12.0	2,345	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,383	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,385	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	373	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,283	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,218	3	H. STIF			0.34	1.02 (B)	
PL	140 x 12.0	1,283	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	370	2	H. STIF			0.10	0.21 (B)	
PL	2386 x 12.0	8,242	1	WEB	99		38.94	19.47 (A)	19.47 (B)
*=	-100	8,242	1				-0.82	-0.82 (A)	
*=	100	8,242	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1794 x 9.0	488	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1792 x 9.0	488	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	893 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	498	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 5

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	350	x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	890	x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250	x 10.0	498	1	BR-LF			0.25	0.25 (A)	
PL	2401	x 9.0	2,190	1	DIA			10.52	10.52 (B)	
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	2395	x 9.0	2,190	1	DIA			10.49	10.49 (B)	
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	450	x 9.0	2,194	1	CR-W	99		1.95	1.95 (B)	
PL	140	x 12.0	1,478	1	CR-STF			0.41	0.41 (B)	
PL	140	x 12.0	1,462	1	CR-STF			0.41	0.41 (B)	
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
Tota			Color		O. P (m2)		S. P (m2)			
			A:		46.26		0.00			
			B:		144.64		0.00			
			C:		4.09		0.00			
			D:		16.35		0.00			
			U:		23.91		0.00			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 18.0	8,177	1	U. FLG			40.07	20.03 (D)	20.03 (B)
*=	-125	8,177	2				-1.02	-2.04 (B)	
*=	125	8,177	2				1.02	2.04 (A)	
*=	-250	8,177	2				-2.04	-4.09 (D)	
*=	250	8,177	2				2.04	4.09 (C)	
PL	230 x 22.0	3,364	2	U. RIB			1.55	3.09 (B)	
PL	230 x 22.0	8,162	1	U. RIB			3.75	3.75 (B)	
PL	230 x 22.0	8,162	1	U. RIB			3.75	3.75 (B)	
PL	230 x 22.0	3,364	1	U. RIB			1.55	1.55 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 18.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	65	6	H. H		Z		0.00 (A)	
PL	2450 x 14.0	8,177	1	L. FLG			40.07	20.03 (U)	20.03 (B)
*=	-125	8,177	2				-1.02	-2.04 (B)	
*=	125	8,177	2				1.02	2.04 (U)	
*=	14	8,177	2				0.11	0.23 (U)	
PL	230 x 22.0	8,162	2	L. RIB			3.75	7.51 (B)	
PL	230 x 22.0	8,162	2	L. RIB			3.75	7.51 (B)	
PL	230 x 22.0	8,162	1	L. RIB			3.75	3.75 (B)	
PL	140 x 12.0	2,383	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,380	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,378	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	1,217	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,282	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,217	2	H. STIF			0.34	0.68 (B)	
PL	2385 x 14.0	8,233	1	WEB	99		38.88	19.44 (A)	19.44 (B)
*=	-100	8,233	1				-0.82	-0.82 (A)	
*=	100	8,233	1				0.82	0.82 (U)	
PL	140 x 12.0	2,381	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,384	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,387	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	1,217	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,282	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,217	2	H. STIF			0.34	0.68 (B)	
PL	2395 x 14.0	8,234	1	WEB	98		38.65	19.33 (A)	19.33 (B)
*=	-100	8,234	1				-0.82	-0.82 (A)	
*=	100	8,234	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1788 x 9.0	486	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	887 x 9.0	486	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	
PL	2382 x 9.0	2,190	1	DIA			10.43	10.43 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,191	1	CR-W			1.97	1.97 (B)	
PL	140 x 12.0	1,465	1	CR-STF			0.41	0.41 (B)	
PL	140 x 12.0	1,460	1	CR-STF			0.41	0.41 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 6

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)
PL	450	x 9.0	2,191	1	CR-W			1.97	1.97 (B)
PL	140	x 12.0	1,459	1	CR-STF			0.41	0.41 (B)
PL	140	x 12.0	1,465	1	CR-STF			0.41	0.41 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.53	0.00
	B:	136.76	0.00
	C:	4.09	0.00
	D:	16.14	0.00
	U:	23.95	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 32.0	8,079	1	U. FLG			39.59	19.79 (D)	19.79 (B)
*=	-125	8,079	2				-1.01	-2.02 (B)	
*=	125	8,079	2				1.01	2.02 (A)	
*=	-250	8,079	2				-2.02	-4.04 (D)	
*=	250	8,079	2				2.02	4.04 (C)	
PL	260 x 25.0	8,063	1	U. RIB			4.19	4.19 (B)	
PL	260 x 25.0	8,066	1	U. RIB			4.19	4.19 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 32.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	95	6	H. H		Z		0.00 (A)	
PL	2450 x 26.0	8,079	1	L. FLG			39.59	19.79 (U)	19.79 (B)
*=	-125	8,079	2				-1.01	-2.02 (B)	
*=	125	8,079	2				1.01	2.02 (U)	
*=	26	8,079	2				0.21	0.42 (U)	
PL	260 x 25.0	8,062	1	L. RIB			4.19	4.19 (B)	
PL	260 x 25.0	8,063	1	L. RIB			4.19	4.19 (B)	
PL	260 x 25.0	8,064	1	L. RIB			4.19	4.19 (B)	
PL	260 x 25.0	8,066	1	L. RIB			4.19	4.19 (B)	
PL	260 x 25.0	8,067	1	L. RIB			4.19	4.19 (B)	
PL	1210 x 52.0	1,210	1	SOLE		Z		0.00 (A)	
PL	120 x 22.0	2,190	2	RIB			0.53	1.05 (B)	
PL	350 x 10.0	2,190	2	RIB			1.53	3.07 (B)	
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	354	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	359	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,361	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,359	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,356	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,230	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,165	2	H. STIF			0.37	0.75 (B)	
PL	160 x 14.0	1,222	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,345	1	H. STIF			0.43	0.43 (B)	
PL	2375 x 16.0	8,128	1	WEB	98		37.84	18.92 (A)	18.92 (B)
*=	-100	8,128	1				-0.81	-0.81 (A)	
*=	100	8,128	1				0.81	0.81 (U)	
PL	140 x 12.0	2,376	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,379	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,382	1	V. STIF			0.67	0.67 (B)	
PL	160 x 14.0	1,231	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,166	2	H. STIF			0.37	0.75 (B)	
PL	160 x 14.0	1,223	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,347	1	H. STIF			0.43	0.43 (B)	
PL	2404 x 16.0	8,136	1	WEB	98		38.34	19.17 (A)	19.17 (B)
*=	-100	8,136	1				-0.81	-0.81 (A)	
*=	100	8,136	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1791 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1793 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 7

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	884	x 9.0	484	1	BR-W			0.86	0.86 (A)	
PL	250	x 10.0	493	1	BR-LF			0.25	0.25 (A)	
PL	350	x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	
PL	881	x 9.0	484	1	BR-W			0.85	0.85 (A)	
PL	250	x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2380	x 26.0	2,190	1	DIA			10.42	10.42 (B)	
PL	730	x 20.0	1,030	2	M. H	43	Z		0.00 (A)	
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	112	x 12.0	300	2	D. FBF			0.07	0.13 (B)	
PL	280	x 28.0	2,064	4	S. STF			1.16	4.62 (B)	
PL	2374	x 9.0	2,190	1	DIA			10.40	10.40 (B)	
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450	x 9.0	2,194	1	CR-W	99		1.95	1.95 (B)	
PL	140	x 12.0	1,440	1	CR-STF			0.40	0.40 (B)	
PL	140	x 12.0	1,457	1	CR-STF			0.41	0.41 (B)	
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
PL	200	x 20.0	2,362	2	JACKUP			0.94	1.89 (B)	
PL	200	x 20.0	2,358	2	JACKUP			0.94	1.89 (B)	
PL	200	x 20.0	2,384	2	JACKUP			0.95	1.91 (B)	
PL	200	x 20.0	2,388	2	JACKUP			0.96	1.91 (B)	
PL	250	x 29.0	250	4	BASEPL		Z		0.00 (A)	
Tota			Color		O. P (m2)		S. P (m2)			
			A:		45.19		0.00			
			B:		155.62		0.00			
			C:		4.04		0.00			
			D:		16.14		0.00			
			U:		23.86		0.00			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 32.0	7,232	1	U. FLG			35.45	17.73 (D)	17.73 (B)
*=	-125	7,232	2				-0.90	-1.81 (B)	
*=	125	7,232	2				0.90	1.81 (A)	
*=	-250	7,232	2				-1.81	-3.62 (D)	
*=	250	7,232	2				1.81	3.62 (C)	
PL	230 x 22.0	7,214	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,219	1	U. RIB			3.32	3.32 (B)	
RB	D 16	600	14	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 32.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	95	6	H. H		Z		0.00 (A)	
PL	2450 x 21.0	7,232	1	L. FLG			35.44	17.72 (U)	17.72 (B)
*=	-125	7,232	2				-0.90	-1.81 (B)	
*=	125	7,232	2				0.90	1.81 (U)	
*=	21	7,232	2				0.15	0.30 (U)	
PL	230 x 22.0	7,212	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,214	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,216	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,219	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,221	1	L. RIB			3.32	3.32 (B)	
PL	140 x 12.0	2,353	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,351	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,288	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,353	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,376	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,310	1	H. STIF			0.42	0.42 (B)	
PL	2367 x 16.0	7,274	1	WEB	98		33.75	16.87 (A)	16.87 (B)
*=	-100	7,274	1				-0.73	-0.73 (A)	
*=	100	7,274	1				0.73	0.73 (U)	
PL	140 x 12.0	2,385	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,388	1	V. STIF			0.67	0.67 (B)	
PL	160 x 14.0	1,290	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,355	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,379	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,314	1	H. STIF			0.42	0.42 (B)	
PL	2412 x 16.0	7,289	1	WEB	98		34.46	17.23 (A)	17.23 (B)
*=	-100	7,289	1				-0.73	-0.73 (A)	
*=	100	7,289	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1796 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	878 x 9.0	484	1	BR-W			0.85	0.85 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2386 x 9.0	2,190	1	DIA			10.45	10.45 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,197	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,435	1	CR-STF			0.40	0.40 (B)	
PL	140 x 12.0	1,463	1	CR-STF			0.41	0.41 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
PL	450 x 9.0	2,199	1	CR-W	99		1.96	1.96 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 8

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,429	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,470	1	CR-STF			0.41	0.41 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		37.81		0.00		
			B:		118.82		0.00		
			C:		3.62		0.00		
			D:		14.30		0.00		
			U:		21.29		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 16.0	7,284	1	U. FLG			35.71	17.85 (D)	17.85 (B)
*=	-125	7,284	2				-0.91	-1.82 (B)	
*=	125	7,284	2				0.91	1.82 (A)	
*=	-250	7,284	2				-1.82	-3.64 (D)	
*=	250	7,284	2				1.82	3.64 (C)	
PL	230 x 22.0	7,265	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,272	1	U. RIB			3.35	3.35 (B)	
PL	230 x 22.0	5,047	1	U. RIB			2.32	2.32 (B)	
PL	230 x 22.0	5,052	1	U. RIB			2.32	2.32 (B)	
PL	230 x 22.0	5,057	1	U. RIB			2.33	2.33 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 16.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 11.0	7,284	1	L. FLG			35.69	17.85 (U)	17.85 (B)
*=	-125	7,284	2				-0.91	-1.82 (B)	
*=	125	7,284	2				0.91	1.82 (U)	
*=	11	7,284	2				0.08	0.16 (U)	
PL	230 x 22.0	7,262	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,265	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,269	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,272	1	L. RIB			3.35	3.35 (B)	
PL	230 x 22.0	7,275	1	L. RIB			3.35	3.35 (B)	
PL	140 x 12.0	2,364	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,360	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,357	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,376	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,374	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,308	4	H. STIF			0.42	1.67 (B)	
PL	160 x 14.0	416	2	H. STIF			0.13	0.27 (B)	
PL	2361 x 14.0	7,318	1	WEB	99		34.21	17.10 (A)	17.10 (B)
*=	-100	7,318	1				-0.73	-0.73 (A)	
*=	100	7,318	1				0.73	0.73 (U)	
PL	140 x 12.0	2,407	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,411	1	V. STIF			0.68	0.68 (B)	
PL	140 x 12.0	2,415	1	V. STIF			0.68	0.68 (B)	
PL	160 x 14.0	1,379	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,378	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,313	4	H. STIF			0.42	1.68 (B)	
PL	160 x 14.0	418	2	H. STIF			0.13	0.27 (B)	
PL	2421 x 14.0	7,340	1	WEB	98		34.83	17.41 (A)	17.41 (B)
*=	-100	7,340	1				-0.73	-0.73 (A)	
*=	100	7,340	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1799 x 9.0	486	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	882 x 9.0	486	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	493	1	BR-LF			0.25	0.25 (A)	
PL	2409 x 9.0	2,190	1	DIA			10.55	10.55 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,203	1	CR-W	99		1.96	1.96 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 9

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,439	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,493	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	38.25	0.00
	B:	124.26	0.00
	C:	3.64	0.00
	D:	14.41	0.00
	U:	21.29	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2452 x 11.0	7,273	1	U. FLG			35.67	17.83 (D)	17.83 (B)
*=	-125	7,273	2				-0.91	-1.82 (B)	
*=	125	7,273	2				0.91	1.82 (A)	
*=	-250	7,273	2				-1.82	-3.64 (D)	
*=	250	7,273	2				1.82	3.64 (C)	
PL	230 x 22.0	7,248	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,253	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,257	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,262	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,267	1	U. RIB			3.34	3.34 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 11.0	7,274	1	L. FLG			35.64	17.82 (U)	17.82 (B)
*=	-125	7,274	2				-0.91	-1.82 (B)	
*=	125	7,274	2				0.91	1.82 (U)	
*=	11	7,274	2				0.08	0.16 (U)	
PL	230 x 22.0	3,588	1	L. RIB			1.65	1.65 (B)	
PL	230 x 22.0	7,253	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	3,592	1	L. RIB			1.65	1.65 (B)	
PL	230 x 22.0	7,262	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	3,597	1	L. RIB			1.65	1.65 (B)	
PL	140 x 12.0	2,359	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,321	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	417	2	H. STIF			0.12	0.23 (B)	
PL	140 x 12.0	1,372	2	H. STIF			0.38	0.77 (B)	
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,306	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	416	1	H. STIF			0.12	0.12 (B)	
PL	2358 x 12.0	7,299	1	WEB	99		34.08	17.04 (A)	17.04 (B)
*=	-100	7,299	1				-0.73	-0.73 (A)	
*=	100	7,299	1				0.73	0.73 (U)	
PL	140 x 12.0	2,423	1	V. STIF			0.68	0.68 (B)	
PL	140 x 12.0	2,392	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	420	2	H. STIF			0.12	0.24 (B)	
PL	140 x 12.0	1,377	3	H. STIF			0.39	1.16 (B)	
PL	140 x 12.0	1,312	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	419	1	H. STIF			0.12	0.12 (B)	
PL	2430 x 12.0	7,330	1	WEB	99		35.27	17.63 (A)	17.63 (B)
*=	-100	7,330	1				-0.73	-0.73 (A)	
*=	100	7,330	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1802 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1806 x 9.0	488	1	CB-W	99		1.75	1.75 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	494	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	494	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 10

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	2421	x 9.0	2,190	1	DIA			10.60	10.60 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2429	x 9.0	2,190	1	DIA			10.64	10.64 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	450	x 9.0	2,206	1	CR-W	99		1.97	1.97 (B)
PL	140	x 12.0	1,438	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,505	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,192	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		41.83		0.00		
			B:		131.48		0.00		
			C:		3.64		0.00		
			D:		14.59		0.00		
			U:		21.26		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2453 x 13.0	7,263	1	U. FLG			35.63	17.82 (D)	17.82 (B)
*=	-125	7,263	2				-0.91	-1.82 (B)	
*=	125	7,263	2				0.91	1.82 (A)	
*=	-250	7,263	2				-1.82	-3.63 (D)	
*=	250	7,263	2				1.82	3.63 (C)	
PL	230 x 22.0	7,235	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,241	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,246	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,252	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,258	1	U. RIB			3.34	3.34 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 13.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	55	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	7,263	1	L. FLG			35.59	17.79 (U)	17.79 (B)
*=	-125	7,263	2				-0.91	-1.82 (B)	
*=	125	7,263	2				0.91	1.82 (U)	
*=	16	7,263	2				0.12	0.23 (U)	
PL	230 x 22.0	7,241	1	L. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,252	1	L. RIB			3.34	3.34 (B)	
PL	140 x 12.0	2,316	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,312	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,309	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	414	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,304	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	1,369	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,367	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	413	1	H. STIF			0.12	0.12 (B)	
PL	2346 x 12.0	7,282	1	WEB	99		33.83	16.91 (A)	16.91 (B)
*=	-100	7,282	1				-0.73	-0.73 (A)	
*=	100	7,282	1				0.73	0.73 (U)	
PL	140 x 12.0	2,394	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,397	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,401	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	417	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,310	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	1,376	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,375	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	416	1	H. STIF			0.12	0.12 (B)	
PL	2440 x 12.0	7,320	1	WEB	99		35.36	17.68 (A)	17.68 (B)
*=	-100	7,320	1				-0.73	-0.73 (A)	
*=	100	7,320	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1809 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	886 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	493	1	BR-LF			0.25	0.25 (A)	
PL	2434 x 9.0	2,190	1	DIA			10.66	10.66 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,210	1	CR-W	99		1.97	1.97 (B)	
PL	140 x 12.0	1,429	1	CR-STF			0.40	0.40 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 11

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,510	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,192	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		38.34		0.00		
			B:		114.97		0.00		
			C:		3.63		0.00		
			D:		14.38		0.00		
			U:		21.30		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 13.0	7,253	1	U. FLG			35.60	17.80 (D)	17.80 (B)
*=	-125	7,253	2				-0.91	-1.81 (B)	
*=	125	7,253	2				0.91	1.81 (A)	
*=	-250	7,253	2				-1.81	-3.63 (D)	
*=	250	7,253	2				1.81	3.63 (C)	
PL	230 x 22.0	7,222	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,229	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,236	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,243	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,250	1	U. RIB			3.34	3.34 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 13.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	55	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	7,253	1	L. FLG			35.54	17.77 (U)	17.77 (B)
*=	-125	7,253	2				-0.91	-1.81 (B)	
*=	125	7,253	2				0.91	1.81 (U)	
*=	16	7,253	2				0.12	0.23 (U)	
PL	230 x 22.0	7,229	1	L. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,243	1	L. RIB			3.33	3.33 (B)	
PL	140 x 12.0	2,306	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,303	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	349	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,302	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,367	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,299	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	348	1	H. STIF			0.10	0.10 (B)	
PL	2337 x 12.0	7,265	1	WEB	99		33.62	16.81 (A)	16.81 (B)
*=	-100	7,265	1				-0.73	-0.73 (A)	
*=	100	7,265	1				0.73	0.73 (U)	
PL	140 x 12.0	2,405	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,408	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	353	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,309	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	1,375	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,374	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,308	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	352	1	H. STIF			0.10	0.10 (B)	
PL	2449 x 12.0	7,310	1	WEB	99		35.45	17.72 (A)	17.72 (B)
*=	-100	7,310	1				-0.73	-0.73 (A)	
*=	100	7,310	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1812 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	886 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	493	1	BR-LF			0.25	0.25 (A)	
PL	2441 x 9.0	2,190	1	DIA			10.69	10.69 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,213	1	CR-W	99		1.97	1.97 (B)	
PL	140 x 12.0	1,423	1	CR-STF			0.40	0.40 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 12

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,518	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,193	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	449	x 9.0	2,217	1	CR-W	98		1.95	1.95 (B)
PL	140	x 12.0	1,417	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,525	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,194	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	38.28	0.00
	B:	119.58	0.00
	C:	3.63	0.00
	D:	14.37	0.00
	U:	21.27	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 13.0	7,244	1	U. FLG			35.55	17.78 (D)	17.78 (B)
*=	-125	7,244	2				-0.91	-1.81 (B)	
*=	125	7,244	2				0.91	1.81 (A)	
*=	-250	7,244	2				-1.81	-3.62 (D)	
*=	250	7,244	2				1.81	3.62 (C)	
PL	230 x 22.0	7,211	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,219	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,227	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,235	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,243	1	U. RIB			3.33	3.33 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 13.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	55	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	7,244	1	L. FLG			35.50	17.75 (U)	17.75 (B)
*=	-125	7,244	2				-0.91	-1.81 (B)	
*=	125	7,244	2				0.91	1.81 (U)	
*=	16	7,244	2				0.12	0.23 (U)	
PL	230 x 22.0	7,219	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,235	1	L. RIB			3.33	3.33 (B)	
PL	140 x 12.0	2,300	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	2,297	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	2,295	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	411	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,363	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,297	2	H. STIF			0.36	0.73 (B)	
PL	140 x 12.0	411	1	H. STIF			0.12	0.12 (B)	
PL	2328 x 12.0	7,251	1	WEB	99		33.42	16.71 (A)	16.71 (B)
*=	-100	7,251	1				-0.73	-0.73 (A)	
*=	100	7,251	1				0.73	0.73 (U)	
PL	140 x 12.0	2,412	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	2,415	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	2,418	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	416	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,374	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,373	1	H. STIF			0.38	0.38 (B)	
PL	140 x 12.0	1,307	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	416	1	H. STIF			0.12	0.12 (B)	
PL	2456 x 12.0	7,306	1	WEB	99		35.53	17.76 (A)	17.76 (B)
*=	-100	7,306	1				-0.73	-0.73 (A)	
*=	100	7,306	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1815 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	886 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2448 x 9.0	2,190	1	DIA			10.72	10.72 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,220	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,411	1	CR-STF			0.40	0.40 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 13

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,532	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,194	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		38.22		0.00		
			B:		114.75		0.00		
			C:		3.62		0.00		
			D:		14.35		0.00		
			U:		21.25		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 11.0	7,240	1	U. FLG			35.53	17.77 (D)	17.77 (B)
*=	-125	7,240	2				-0.90	-1.81 (B)	
*=	125	7,240	2				0.90	1.81 (A)	
*=	-250	7,240	2				-1.81	-3.62 (D)	
*=	250	7,240	2				1.81	3.62 (C)	
PL	230 x 22.0	7,207	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,215	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,224	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,232	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,240	1	U. RIB			3.33	3.33 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 11.0	7,240	1	L. FLG			35.48	17.74 (U)	17.74 (B)
*=	-125	7,240	2				-0.90	-1.81 (B)	
*=	125	7,240	2				0.90	1.81 (U)	
*=	11	7,240	2				0.08	0.16 (U)	
PL	230 x 22.0	7,215	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,232	1	L. RIB			3.33	3.33 (B)	
PL	230 x 22.0	3,566	1	L. RIB			1.64	1.64 (B)	
PL	230 x 22.0	3,574	1	L. RIB			1.64	1.64 (B)	
PL	230 x 22.0	3,582	1	L. RIB			1.65	1.65 (B)	
PL	140 x 12.0	2,296	2	V. STIF	97		0.62	1.25 (B)	
PL	140 x 12.0	412	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,363	3	H. STIF			0.38	1.14 (B)	
PL	140 x 12.0	1,297	2	H. STIF			0.36	0.73 (B)	
PL	140 x 12.0	412	2	H. STIF			0.12	0.23 (B)	
PL	2324 x 12.0	7,252	1	WEB	99		33.37	16.69 (A)	16.69 (B)
*=	-100	7,252	1				-0.73	-0.73 (A)	
*=	100	7,252	1				0.73	0.73 (U)	
PL	140 x 12.0	2,420	2	V. STIF	97		0.66	1.31 (B)	
PL	140 x 12.0	417	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,373	3	H. STIF			0.38	1.15 (B)	
PL	140 x 12.0	1,307	2	H. STIF			0.37	0.73 (B)	
PL	140 x 12.0	417	2	H. STIF			0.12	0.23 (B)	
PL	2456 x 12.0	7,304	1	WEB	99		35.52	17.76 (A)	17.76 (B)
*=	-100	7,304	1				-0.73	-0.73 (A)	
*=	100	7,304	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2455 x 9.0	2,190	1	DIA			10.75	10.75 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 14

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2455	x 9.0	2,190	1	DIA			10.75	10.75 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449	x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140	x 12.0	1,412	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,535	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		41.59		0.00		
			B:		131.16		0.00		
			C:		3.62		0.00		
			D:		14.54		0.00		
			U:		21.16		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 17.0	7,240	1	U. FLG			35.53	17.77 (D)	17.77 (B)
*=	-125	7,240	2				-0.90	-1.81 (B)	
*=	125	7,240	2				0.90	1.81 (A)	
*=	-250	7,240	2				-1.81	-3.62 (D)	
*=	250	7,240	2				1.81	3.62 (C)	
PL	230 x 22.0	5,010	1	U. RIB			2.30	2.30 (B)	
PL	230 x 22.0	7,215	1	U. RIB			3.32	3.32 (B)	
PL	230 x 22.0	5,022	1	U. RIB			2.31	2.31 (B)	
PL	230 x 22.0	7,231	1	U. RIB			3.33	3.33 (B)	
PL	230 x 22.0	5,034	1	U. RIB			2.32	2.32 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 17.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	65	6	H. H		Z		0.00 (A)	
PL	2450 x 11.0	7,240	1	L. FLG			35.48	17.74 (U)	17.74 (B)
*=	-125	7,240	2				-0.90	-1.81 (B)	
*=	125	7,240	2				0.90	1.81 (U)	
*=	11	7,240	2				0.08	0.16 (U)	
PL	230 x 22.0	7,206	1	L. RIB			3.31	3.31 (B)	
PL	230 x 22.0	7,215	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,223	1	L. RIB			3.32	3.32 (B)	
PL	230 x 22.0	7,231	1	L. RIB			3.33	3.33 (B)	
PL	230 x 22.0	7,240	1	L. RIB			3.33	3.33 (B)	
PL	140 x 12.0	2,325	3	V. STIF			0.65	1.95 (B)	
PL	160 x 14.0	411	2	H. STIF			0.13	0.26 (B)	
PL	160 x 14.0	1,297	4	H. STIF			0.41	1.66 (B)	
PL	160 x 14.0	1,363	2	H. STIF			0.44	0.87 (B)	
PL	2324 x 14.0	7,248	1	WEB	99		33.35	16.68 (A)	16.68 (B)
*=	-100	7,248	1				-0.72	-0.72 (A)	
*=	100	7,248	1				0.72	0.72 (U)	
PL	140 x 12.0	2,449	3	V. STIF			0.69	2.06 (B)	
PL	160 x 14.0	416	2	H. STIF			0.13	0.27 (B)	
PL	160 x 14.0	1,307	4	H. STIF			0.42	1.67 (B)	
PL	160 x 14.0	1,373	2	H. STIF			0.44	0.88 (B)	
PL	2456 x 14.0	7,300	1	WEB	99		35.50	17.75 (A)	17.75 (B)
*=	-100	7,300	1				-0.73	-0.73 (A)	
*=	100	7,300	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	486	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	881 x 9.0	486	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	490	1	BR-LF			0.25	0.25 (A)	
PL	2449 x 9.0	2,190	1	DIA			10.73	10.73 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,406	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,529	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		38.15		0.00			

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 15

Total	Color	O. P (m2)	S. P (m2)
	B:	123.94	0.00
	C:	3.62	0.00
	D:	14.34	0.00
	U:	21.16	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 34.0	7,178	1	U. FLG			35.23	17.61 (D)	17.61 (B)
*=	-125	7,178	2				-0.90	-1.79 (B)	
*=	125	7,178	2				0.90	1.79 (A)	
*=	-250	7,178	2				-1.79	-3.59 (D)	
*=	250	7,178	2				1.79	3.59 (C)	
PL	230 x 22.0	7,152	1	U. RIB			3.29	3.29 (B)	
PL	230 x 22.0	7,169	1	U. RIB			3.30	3.30 (B)	
RB	D 16	600	14	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 34.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	100	6	H. H		Z		0.00 (A)	
PL	2450 x 21.0	7,178	1	L. FLG			35.17	17.59 (U)	17.59 (B)
*=	-125	7,178	2				-0.90	-1.79 (B)	
*=	125	7,178	2				0.90	1.79 (U)	
*=	21	7,178	2				0.15	0.30 (U)	
PL	230 x 22.0	7,144	1	L. RIB			3.29	3.29 (B)	
PL	230 x 22.0	7,152	1	L. RIB			3.29	3.29 (B)	
PL	230 x 22.0	7,161	1	L. RIB			3.29	3.29 (B)	
PL	230 x 22.0	7,169	1	L. RIB			3.30	3.30 (B)	
PL	230 x 22.0	7,177	1	L. RIB			3.30	3.30 (B)	
PL	140 x 12.0	2,308	2	V. STIF			0.65	1.29 (B)	
PL	160 x 14.0	1,297	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,363	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,338	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,272	1	H. STIF			0.41	0.41 (B)	
PL	2324 x 16.0	7,183	1	WEB	98		32.72	16.36 (A)	16.36 (B)
*=	-100	7,183	1				-0.72	-0.72 (A)	
*=	100	7,183	1				0.72	0.72 (U)	
PL	140 x 12.0	2,432	2	V. STIF			0.68	1.36 (B)	
PL	160 x 14.0	1,307	1	H. STIF			0.42	0.42 (B)	
PL	160 x 14.0	1,373	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,348	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,282	1	H. STIF			0.41	0.41 (B)	
PL	2456 x 16.0	7,234	1	WEB	98		34.82	17.41 (A)	17.41 (B)
*=	-100	7,234	1				-0.72	-0.72 (A)	
*=	100	7,234	1				0.72	0.72 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	864 x 9.0	484	1	BR-W			0.84	0.84 (A)	
PL	250 x 10.0	488	1	BR-LF			0.24	0.24 (A)	
PL	2432 x 9.0	2,190	1	DIA			10.65	10.65 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,389	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,512	1	CR-STF			0.42	0.42 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,389	1	CR-STF			0.39	0.39 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 16

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,512	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		37.47		0.00		
			B:		118.26		0.00		
			C:		3.59		0.00		
			D:		14.22		0.00		
			U:		21.12		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 36.0	8,007	1	U. FLG			39.30	19.65 (D)	19.65 (B)
*=	-125	8,007	2				-1.00	-2.00 (B)	
*=	125	8,007	2				1.00	2.00 (A)	
*=	-250	8,007	2				-2.00	-4.00 (D)	
*=	250	8,007	2				2.00	4.00 (C)	
PL	260 x 25.0	7,980	1	U. RIB			4.15	4.15 (B)	
PL	260 x 25.0	7,999	1	U. RIB			4.16	4.16 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 36.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	100	6	H. H		Z		0.00 (A)	
PL	2450 x 27.0	8,007	1	L. FLG			39.23	19.62 (U)	19.62 (B)
*=	-125	8,007	2				-1.00	-2.00 (B)	
*=	125	8,007	2				1.00	2.00 (U)	
*=	27	8,007	2				0.22	0.43 (U)	
PL	260 x 25.0	7,971	1	L. RIB			4.14	4.14 (B)	
PL	260 x 25.0	7,980	1	L. RIB			4.15	4.15 (B)	
PL	260 x 25.0	7,990	1	L. RIB			4.15	4.15 (B)	
PL	260 x 25.0	7,999	1	L. RIB			4.16	4.16 (B)	
PL	260 x 25.0	8,008	1	L. RIB			4.16	4.16 (B)	
PL	1210 x 40.0	1,210	1	SOLE		Z		0.00 (A)	
PL	120 x 22.0	2,190	2	RIB			0.53	1.05 (B)	
PL	350 x 10.0	2,190	2	RIB			1.53	3.07 (B)	
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	354	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	359	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,306	2	V. STIF			0.65	1.29 (B)	
PL	160 x 14.0	1,329	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,206	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,149	2	H. STIF			0.37	0.74 (B)	
PL	160 x 14.0	1,214	1	H. STIF			0.39	0.39 (B)	
PL	2324 x 16.0	8,006	1	WEB	98		36.47	18.23 (A)	18.23 (B)
*=	-100	8,006	1				-0.80	-0.80 (A)	
*=	100	8,006	1				0.80	0.80 (U)	
PL	140 x 12.0	2,430	2	V. STIF			0.68	1.36 (B)	
PL	160 x 14.0	1,339	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,215	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,158	2	H. STIF			0.37	0.74 (B)	
PL	160 x 14.0	1,224	1	H. STIF			0.39	0.39 (B)	
PL	2456 x 16.0	8,063	1	WEB	98		38.81	19.41 (A)	19.41 (B)
*=	-100	8,063	1				-0.81	-0.81 (A)	
*=	100	8,063	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	862 x 9.0	484	1	BR-W			0.83	0.83 (A)	
PL	250 x 10.0	488	1	BR-LF			0.24	0.24 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	862 x 9.0	484	1	BR-W			0.83	0.83 (A)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	250 x 10.0	488	1	BR-LF			0.24	0.24 (A)
PL	2430 x 26.0	2,190	1	DIA			10.64	10.64 (B)
PL	730 x 20.0	1,030	2	M. H	43	Z		0.00 (A)
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	112 x 12.0	300	2	D. FBF			0.07	0.13 (B)
PL	280 x 28.0	2,061	4	S. STF			1.15	4.62 (B)
PL	2430 x 9.0	2,190	1	DIA			10.64	10.64 (B)
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140 x 12.0	1,387	1	CR-STF			0.39	0.39 (B)
PL	140 x 12.0	1,510	1	CR-STF			0.42	0.42 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	200 x 20.0	2,300	2	JACKUP			0.92	1.84 (B)
PL	200 x 20.0	2,300	2	JACKUP			0.92	1.84 (B)
PL	200 x 20.0	2,432	2	JACKUP			0.97	1.95 (B)
PL	200 x 20.0	2,432	2	JACKUP			0.97	1.95 (B)
PL	250 x 26.0	250	4	BASEPL		Z		0.00 (A)
Tota		Color		O. P (m2)		S. P (m2)		
		A:		44.72		0.00		
		B:		153.69		0.00		
		C:		4.00		0.00		
		D:		16.03		0.00		
		U:		23.66		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 20.0	8,094	1	U. FLG			39.73	19.86 (D)	19.86 (B)
*=	-125	8,094	2				-1.01	-2.02 (B)	
*=	125	8,094	2				1.01	2.02 (A)	
*=	-250	8,094	2				-2.02	-4.05 (D)	
*=	250	8,094	2				2.02	4.05 (C)	
PL	230 x 22.0	8,066	1	U. RIB			3.71	3.71 (B)	
PL	230 x 22.0	8,085	1	U. RIB			3.72	3.72 (B)	
PL	230 x 22.0	3,317	1	U. RIB			1.53	1.53 (B)	
PL	230 x 22.0	3,325	1	U. RIB			1.53	1.53 (B)	
PL	230 x 22.0	3,333	1	U. RIB			1.53	1.53 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 20.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	70	6	H. H		Z		0.00 (A)	
PL	2450 x 14.0	8,094	1	L. FLG			39.66	19.83 (U)	19.83 (B)
*=	-125	8,094	2				-1.01	-2.02 (B)	
*=	125	8,094	2				1.01	2.02 (U)	
*=	14	8,094	2				0.11	0.23 (U)	
PL	230 x 22.0	8,057	1	L. RIB			3.71	3.71 (B)	
PL	230 x 22.0	8,066	1	L. RIB			3.71	3.71 (B)	
PL	230 x 22.0	8,075	1	L. RIB			3.71	3.71 (B)	
PL	230 x 22.0	8,085	1	L. RIB			3.72	3.72 (B)	
PL	230 x 22.0	8,094	1	L. RIB			3.72	3.72 (B)	
PL	140 x 12.0	2,322	3	V. STIF			0.65	1.95 (B)	
PL	140 x 12.0	1,198	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,264	2	H. STIF			0.35	0.71 (B)	
PL	2324 x 14.0	8,088	1	WEB	99		37.22	18.61 (A)	18.61 (B)
*=	-100	8,088	1				-0.81	-0.81 (A)	
*=	100	8,088	1				0.81	0.81 (U)	
PL	140 x 12.0	2,446	3	V. STIF			0.68	2.05 (B)	
PL	140 x 12.0	1,208	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,273	2	H. STIF			0.36	0.71 (B)	
PL	2456 x 14.0	8,146	1	WEB	99		39.61	19.81 (A)	19.81 (B)
*=	-100	8,146	1				-0.81	-0.81 (A)	
*=	100	8,146	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	486	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	878 x 9.0	486	1	BR-W			0.85	0.85 (A)	
PL	250 x 10.0	490	1	BR-LF			0.25	0.25 (A)	
PL	2446 x 9.0	2,190	1	DIA			10.71	10.71 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,403	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,526	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,403	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,526	1	CR-STF			0.43	0.43 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 18

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.19	0.00
	B:	135.96	0.00
	C:	4.05	0.00
	D:	16.01	0.00
	U:	23.70	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 11.0	8,094	1	U. FLG			39.73	19.86 (D)	19.86 (B)
*=	-125	8,094	2				-1.01	-2.02 (B)	
*=	125	8,094	2				1.01	2.02 (A)	
*=	-250	8,094	2				-2.02	-4.05 (D)	
*=	250	8,094	2				2.02	4.05 (C)	
PL	190 x 19.0	8,056	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,066	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,075	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,084	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,094	1	U. RIB			3.08	3.08 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,094	1	L. FLG			39.66	19.83 (U)	19.83 (B)
*=	-125	8,094	2				-1.01	-2.02 (B)	
*=	125	8,094	2				1.01	2.02 (U)	
*=	10	8,094	2				0.08	0.16 (U)	
PL	190 x 19.0	7,354	1	L. RIB			2.79	2.79 (B)	
PL	190 x 19.0	8,066	1	L. RIB			3.07	3.07 (B)	
PL	190 x 19.0	7,371	1	L. RIB			2.80	2.80 (B)	
PL	190 x 19.0	8,084	1	L. RIB			3.07	3.07 (B)	
PL	190 x 19.0	7,388	1	L. RIB			2.81	2.81 (B)	
PL	140 x 12.0	2,331	2	V. STIF			0.65	1.31 (B)	
PL	140 x 12.0	2,296	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	361	2	H. STIF			0.10	0.20 (B)	
PL	140 x 12.0	1,264	5	H. STIF			0.35	1.77 (B)	
PL	140 x 12.0	1,198	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	363	1	H. STIF			0.10	0.10 (B)	
PL	2325 x 12.0	8,084	1	WEB	99		37.21	18.61 (A)	18.61 (B)
*=	-100	8,084	1				-0.81	-0.81 (A)	
*=	100	8,084	1				0.81	0.81 (U)	
PL	140 x 12.0	2,455	2	V. STIF			0.69	1.37 (B)	
PL	140 x 12.0	2,420	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	366	2	H. STIF			0.10	0.20 (B)	
PL	140 x 12.0	1,273	5	H. STIF			0.36	1.78 (B)	
PL	140 x 12.0	1,208	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	367	1	H. STIF			0.10	0.10 (B)	
PL	2457 x 12.0	8,142	1	WEB	99		39.61	19.80 (A)	19.80 (B)
*=	-100	8,142	1				-0.81	-0.81 (A)	
*=	100	8,142	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2455 x 9.0	2,190	1	DIA			10.75	10.75 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 19

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2455	x 9.0	2,190	1	DIA			10.75	10.75 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449	x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140	x 12.0	1,412	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,535	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		45.60		0.00		
			B:		143.71		0.00		
			C:		4.05		0.00		
			D:		16.20		0.00		
			U:		23.64		0.00		

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 14.0	8,093	1	U. FLG			39.72	19.86 (D)	19.86 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (A)	
*=	-250	8,093	2				-2.02	-4.05 (D)	
*=	250	8,093	2				2.02	4.05 (C)	
PL	190 x 19.0	8,056	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,065	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,074	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,084	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,093	1	U. RIB			3.08	3.08 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,093	1	L. FLG			39.66	19.83 (U)	19.83 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (U)	
*=	16	8,093	2				0.13	0.26 (U)	
PL	190 x 19.0	8,065	1	L. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,084	1	L. RIB			3.07	3.07 (B)	
PL	140 x 12.0	2,293	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	361	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,198	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,264	2	H. STIF			0.35	0.71 (B)	
PL	2324 x 12.0	8,081	1	WEB	99		37.18	18.59 (A)	18.59 (B)
*=	-100	8,081	1				-0.81	-0.81 (A)	
*=	100	8,081	1				0.81	0.81 (U)	
PL	140 x 12.0	2,417	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	366	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,208	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,273	2	H. STIF			0.36	0.71 (B)	
PL	2456 x 12.0	8,138	1	WEB	99		39.57	19.79 (A)	19.79 (B)
*=	-100	8,138	1				-0.81	-0.81 (A)	
*=	100	8,138	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	885 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2452 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,409	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,532	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,409	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,532	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 20

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.17	0.00
	B:	126.88	0.00
	C:	4.05	0.00
	D:	16.01	0.00
	U:	23.73	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 14.0	8,093	1	U. FLG			39.72	19.86 (D)	19.86 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (A)	
*=	-250	8,093	2				-2.02	-4.05 (D)	
*=	250	8,093	2				2.02	4.05 (C)	
PL	190 x 19.0	8,055	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,065	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,074	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,083	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,093	1	U. RIB			3.08	3.08 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,093	1	L. FLG			39.66	19.83 (U)	19.83 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (U)	
*=	16	8,093	2				0.13	0.26 (U)	
PL	190 x 19.0	8,065	1	L. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,083	1	L. RIB			3.07	3.07 (B)	
PL	140 x 12.0	2,293	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	361	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,264	3	H. STIF			0.35	1.06 (B)	
PL	140 x 12.0	1,198	2	H. STIF			0.34	0.67 (B)	
PL	140 x 12.0	363	1	H. STIF			0.10	0.10 (B)	
PL	2324 x 12.0	8,077	1	WEB	99		37.17	18.58 (A)	18.58 (B)
*=	-100	8,077	1				-0.81	-0.81 (A)	
*=	100	8,077	1				0.81	0.81 (U)	
PL	140 x 12.0	2,417	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	366	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,273	3	H. STIF			0.36	1.07 (B)	
PL	140 x 12.0	1,208	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	367	1	H. STIF			0.10	0.10 (B)	
PL	2456 x 12.0	8,134	1	WEB	99		39.55	19.78 (A)	19.78 (B)
*=	-100	8,134	1				-0.81	-0.81 (A)	
*=	100	8,134	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	264	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	264	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	885 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	885 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2452 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	2452 x 9.0	2,190	1	DIA			10.74	10.74 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140 x 12.0	1,409	1	CR-STF			0.39	0.39 (B)
PL	140 x 12.0	1,532	1	CR-STF			0.43	0.43 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	45.55	0.00
	B:	132.80	0.00
	C:	4.05	0.00
	D:	16.20	0.00
	U:	23.73	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 14.0	8,093	1	U. FLG			39.72	19.86 (D)	19.86 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (A)	
*=	-250	8,093	2				-2.02	-4.05 (D)	
*=	250	8,093	2				2.02	4.05 (C)	
PL	190 x 19.0	8,055	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,065	1	U. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,074	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,083	1	U. RIB			3.07	3.07 (B)	
PL	190 x 19.0	8,093	1	U. RIB			3.08	3.08 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 14.0	8,093	1	L. FLG			39.66	19.83 (U)	19.83 (B)
*=	-125	8,093	2				-1.01	-2.02 (B)	
*=	125	8,093	2				1.01	2.02 (U)	
*=	14	8,093	2				0.11	0.23 (U)	
PL	190 x 19.0	8,065	1	L. RIB			3.06	3.06 (B)	
PL	190 x 19.0	8,083	1	L. RIB			3.07	3.07 (B)	
PL	140 x 12.0	2,293	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	361	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,198	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,264	2	H. STIF			0.35	0.71 (B)	
PL	2324 x 12.0	8,077	1	WEB	99		37.17	18.58 (A)	18.58 (B)
*=	-100	8,077	1				-0.81	-0.81 (A)	
*=	100	8,077	1				0.81	0.81 (U)	
PL	140 x 12.0	2,417	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	366	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,208	3	H. STIF			0.34	1.01 (B)	
PL	140 x 12.0	1,273	2	H. STIF			0.36	0.71 (B)	
PL	2456 x 12.0	8,134	1	WEB	99		39.55	19.78 (A)	19.78 (B)
*=	-100	8,134	1				-0.81	-0.81 (A)	
*=	100	8,134	1				0.81	0.81 (U)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	264	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	885 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2452 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,409	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,532	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,409	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,532	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 22

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.15	0.00
	B:	126.86	0.00
	C:	4.05	0.00
	D:	16.01	0.00
	U:	23.70	0.00

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 10.0	8,012	1	U. FLG			39.32	19.66 (D)	19.66 (B)
*=	-2454	1,100	1				-2.70	-2.70 (D)	
*=	2454	1,100	1				2.70	2.70 (C)	
*=	-250	6,912	2				-1.73	-3.46 (D)	
*=	250	6,912	2				1.73	3.46 (C)	
*=	-125	8,012	2				-1.00	-2.00 (B)	
*=	125	4,612	2				0.58	1.15 (A)	
*=	125	3,400	2				0.43	0.85 (U)	
PL	190 x 19.0	7,970	1	U. RIB			3.03	2.79 (B)	0.24 (U)
PL	190 x 19.0	7,979	1	U. RIB			3.03	2.79 (B)	0.24 (U)
PL	190 x 19.0	7,989	1	U. RIB			3.04	2.79 (B)	0.24 (U)
PL	190 x 19.0	7,998	1	U. RIB			3.04	2.80 (B)	0.24 (U)
PL	190 x 19.0	8,007	1	U. RIB			3.04	2.83 (B)	0.21 (U)
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	2450 x 10.0	8,012	1	L. FLG			39.26	19.63 (U)	19.63 (B)
*=	-125	8,012	2				-1.00	-2.00 (B)	
*=	125	8,012	2				1.00	2.00 (U)	
*=	10	8,012	2				0.08	0.16 (U)	
PL	190 x 19.0	7,979	1	L. RIB			3.03	2.79 (B)	0.24 (U)
PL	190 x 19.0	7,998	1	L. RIB			3.04	2.80 (B)	0.24 (U)
PL	190 x 19.0	3,235	1	L. RIB			1.23	1.01 (B)	0.22 (U)
PL	190 x 19.0	3,242	1	L. RIB			1.23	1.01 (B)	0.22 (U)
PL	190 x 19.0	3,249	1	L. RIB			1.23	1.01 (B)	0.22 (U)
PL	810 x 28.0	760	1	SOLE		Z		0.00 (A)	
PL	120 x 14.0	2,190	2	RIB			0.53	0.53 (B)	0.53 (U)
PL	350 x 10.0	2,190	2	RIB			1.53	1.53 (B)	1.53 (U)
PL	140 x 12.0	2,297	2	V. STIF	97		0.62	1.25 (B)	
PL	140 x 12.0	361	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,264	1	H. STIF			0.35	0.35 (B)	
PL	140 x 12.0	1,261	1	H. STIF			0.35	0.35 (B)	
PL	140 x 12.0	1,196	2	H. STIF			0.33	0.67 (B)	
PL	140 x 12.0	1,260	1	H. STIF			0.35	0.35 (B)	
PL	2324 x 12.0	7,996	1	WEB	99		36.79	18.40 (A)	18.40 (B)
*=	-2324	3,400	1				-7.90	-7.90 (A)	
*=	2324	3,400	1				7.90	7.90 (U)	
*=	-2324	600	1				-1.39	-1.39 (B)	
*=	2324	600	1				1.39	1.39 (U)	
*=	-100	4,596	1				-0.46	-0.46 (A)	
*=	100	4,596	1				0.46	0.46 (U)	
PL	140 x 12.0	2,421	2	V. STIF	97		0.66	1.32 (B)	
PL	140 x 12.0	366	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,273	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,272	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,206	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	1,270	1	H. STIF			0.36	0.36 (B)	
PL	2456 x 12.0	8,052	1	WEB	99		39.16	19.58 (A)	19.58 (B)
*=	-2456	3,400	1				-8.35	-8.35 (A)	
*=	2456	3,400	1				8.35	8.35 (U)	
*=	-2456	600	1				-1.47	-1.47 (B)	
*=	2456	600	1				1.47	1.47 (U)	
*=	-100	4,652	1				-0.47	-0.47 (A)	
*=	100	4,652	1				0.47	0.47 (U)	
PL	420 x 16.0	371	1	CB-UF	88		0.27	0.14 (U)	0.14 (C)
PL	1813 x 9.0	488	1	CB-W	98		1.73	1.73 (U)	
PL	320 x 16.0	488	1	CB-LF	99		0.31	0.31 (U)	
PL	100 x 10.0	264	2	CB-HS			0.05	0.11 (U)	

<MAIN STRUCTURE><GIRDER> Block:G1 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	350 x 12.0	370	1	CB-UF	75		0.19	0.10 (D)	0.10 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	74		0.19	0.10 (U)	0.10 (C)
PL	889 x 9.0	488	1	BR-W			0.87	0.87 (U)	
PL	250 x 10.0	493	1	BR-LF			0.25	0.25 (U)	
PL	350 x 10.0	371	1	BR-UF	75		0.19	0.10 (D)	0.10 (A)
PL	889 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	492	1	BR-LF			0.25	0.25 (A)	
PL	2456 x 12.0	2,190	1	DIA			10.76	5.38 (U)	5.38 (B)
PL	119 x 10.0	300	2	D.FBF			0.07	0.07 (U)	0.07 (B)
PL	154 x 16.0	300	1	D.FBF			0.09	0.05 (U)	0.05 (B)
PL	154 x 16.0	300	1	D.FBF			0.09	0.05 (U)	0.05 (B)
PL	160 x 16.0	2,090	4	S.STF			0.67	1.34 (U)	1.34 (B)
PL	700 x 12.0	1,000	2	M.H	43	Z		0.00 (A)	
PL	480 x 9.0	680	1	M.H	83	Z		0.00 (A)	
PL	150 x 9.0	400	2	M.H	80		0.10	0.19 (B)	
PL	80 x 9.0	110	2	M.H			0.02	0.04 (B)	
RB	D 13	310	1	M.H		Z		0.00 (A)	
B.N	M 16	40	4	M.H		Z		0.00 (A)	
SP5	20A	280	1	M.H		Z		0.00 (A)	
WPIN	5.0	36	2	M.H		Z		0.00 (A)	
PL	2456 x 9.0	2,190	1	DIA			10.76	10.76 (B)	
PL	121 x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121 x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,413	1	CR-STF			0.40	0.40 (B)	
PL	140 x 12.0	1,536	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	200 x 14.0	2,326	2	JACKUP			0.93	1.86 (B)	
PL	200 x 14.0	2,458	2	JACKUP			0.98	1.97 (B)	
PL	250 x 24.0	250	1	BASEPL		Z		0.00 (A)	
PL	250 x 24.0	250	1	BASEPL		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		25.35		0.00			
		B:		130.08		0.00			
		C:		6.39		0.00			
		D:		13.70		0.00			
		U:		57.46		0.00			

<MAIN STRUCTURE><GIRDER> Block:G1 HANG 1

Form	Size (mm)			Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100	x	9.0	120	300	HANG			0.02	7.20 (A)
PL	100	x	9.0	270	400	HANG			0.05	21.60 (A)
Total				ColorA			0. P (m2)		S. P (m2)	
				:			28.80		0.00	

<MAIN STRUCTURE><GIRDER> Block:G1 DRAIN 1

Form	Size (mm)			Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
L	40	x	40 x 3.0	800	1	U. FLG		Z		0.00 (A)
PL	65	x	6.0	320	1	U. FLG		Z		0.00 (A)
PL	25	x	4.5	1,750	1	U. FLG			0.09	0.09 (D)
Total				Color			0. P (m2)		S. P (m2)	
				D:			0.09		0.00	
22SET Total				D:			1.93		0.00	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 8.0	240	1	FILL		J	1.17	1.17 (J)	
*=	8	5,360	1			J	0.04	0.04 (U)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (E)	0.45 (F)
PL	2301 x 9.0	480	1	W. SPL		D	2.21	1.10 (B)	
*=	2301	480	1			J	1.10	2.21 (J)	
*=	9	5,562	1			J	0.05	0.05 (B)	
PL	2301 x 9.0	480	1	W. SPL		D	2.21	1.10 (A)	
*=	2301	480	1			J	1.10	2.21 (J)	
*=	9	5,562	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2238 x 9.0	480	1	W. SPL		D	2.15	1.07 (B)	
*=	2238	480	1			J	1.07	2.15 (J)	
*=	9	5,436	1			J	0.05	0.05 (B)	
PL	2238 x 9.0	480	1	W. SPL		D	2.15	1.07 (A)	
*=	2238	480	1			J	1.07	2.15 (J)	
*=	9	5,436	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	700	10	UR. SPL		D	0.16	0.81 (B)	
*=	115	700	10			J	0.08	1.61 (J)	
*=	16	1,630	10			J	0.03	0.26 (B)	
TCB	M 22	90	50	U. RIB		J	5.06	0.25 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 1

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.35
	B:	-4.91	5.58
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.37
	F:	0.00	2.52
	G:	0.00	0.01
	I:	0.00	0.06
	J:	0.00	20.23
	U:	-1.25	1.36

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2296 x 9.0	480	1	W. SPL		D	2.20	1.10 (B)	
*=	2296	480	1			J	1.10	2.20 (J)	
*=	9	5,552	1			J	0.05	0.05 (B)	
PL	2296 x 9.0	480	1	W. SPL		D	2.20	1.10 (A)	
*=	2296	480	1			J	1.10	2.20 (J)	
*=	9	5,552	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2243 x 9.0	480	1	W. SPL		D	2.15	1.08 (B)	
*=	2243	480	1			J	1.08	2.15 (J)	
*=	9	5,446	1			J	0.05	0.05 (B)	
PL	2243 x 9.0	480	1	W. SPL		D	2.15	1.08 (A)	
*=	2243	480	1			J	1.08	2.15 (J)	
*=	9	5,446	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.26	2.37
	B:	-5.63	6.35
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	2.99

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 2

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.40
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2290 x 9.0	480	1	W. SPL		D	2.20	1.10 (B)	
*=	2290	480	1			J	1.10	2.20 (J)	
*=	9	5,541	1			J	0.05	0.05 (B)	
PL	2290 x 9.0	480	1	W. SPL		D	2.20	1.10 (A)	
*=	2290	480	1			J	1.10	2.20 (J)	
*=	9	5,541	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2248 x 9.0	480	1	W. SPL		D	2.16	1.08 (B)	
*=	2248	480	1			J	1.08	2.16 (J)	
*=	9	5,456	1			J	0.05	0.05 (B)	
PL	2248 x 9.0	480	1	W. SPL		D	2.16	1.08 (A)	
*=	2248	480	1			J	1.08	2.16 (J)	
*=	9	5,456	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	16	2,150	10			J	0.03	0.34 (B)	
TCB	M 22	90	70	U. RIB		J	5.06	0.35 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.25		2.37			
		B:		-5.78		6.55			
		C:		-0.23		0.23			
		D:		-0.94		0.99			
		E:		0.00		0.30			
		F:		0.00		3.04			

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 3

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.69
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 3.2	165	2	FILL		J	0.03	0.05 (J)	
*=	3	490	2			J	0.00	0.00 (B)	
PL	305 x 3.2	165	6	FILL		J	0.10	0.60 (J)	
*=	3	940	6			J	0.00	0.02 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 8.0	240	1	FILL		J	1.17	1.17 (J)	
*=	8	5,360	1			J	0.04	0.04 (U)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2281 x 9.0	480	1	W. SPL		D	2.19	1.09 (B)	
*=	2281	480	1			J	1.09	2.19 (J)	
*=	9	5,521	1			J	0.05	0.05 (B)	
PL	2281 x 9.0	480	1	W. SPL		D	2.19	1.09 (A)	
*=	2281	480	1			J	1.09	2.19 (J)	
*=	9	5,521	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2256 x 9.0	480	1	W. SPL		D	2.17	1.08 (B)	
*=	2256	480	1			J	1.08	2.17 (J)	
*=	9	5,473	1			J	0.05	0.05 (B)	
PL	2256 x 9.0	480	1	W. SPL		D	2.17	1.08 (A)	
*=	2256	480	1			J	1.08	2.17 (J)	
*=	9	5,473	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	16	2,150	10			J	0.03	0.34 (B)	
TCB	M 22	90	70	U. RIB		J	5.06	0.35 (F)	
PL	115 x 19.0	1,220	4	LR. SPL		D	0.28	0.56 (B)	
*=	115	1,220	4			J	0.14	1.12 (J)	
*=	19	2,670	4			J	0.05	0.20 (B)	
TCB	M 22	95	36	L. RIB		J	5.06	0.18 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 4

Total	Color	O. P (m2)	S. P (m2)
	A:	-2. 23	2. 34
	B:	-5. 39	6. 19
	C:	-0. 16	0. 16
	D:	-0. 64	0. 69
	E:	0. 00	0. 28
	F:	0. 00	2. 69
	G:	0. 00	0. 01
	I:	0. 00	0. 15
	J:	0. 00	21. 18
	U:	-1. 25	1. 36

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 7.0	165	2	FILL		J	0.03	0.05 (J)	
*=	7	490	2			J	0.00	0.01 (B)	
PL	305 x 7.0	165	6	FILL		J	0.10	0.60 (J)	
*=	7	940	6			J	0.01	0.04 (B)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	75	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 4.5	165	1	FILL		J	0.81	0.81 (J)	
*=	5	5,210	1			J	0.03	0.03 (U)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2267 x 9.0	480	1	W. SPL		D	2.18	1.09 (B)	
*=	2267	480	1			J	1.09	2.18 (J)	
*=	9	5,494	1			J	0.05	0.05 (B)	
PL	2267 x 9.0	480	1	W. SPL		D	2.18	1.09 (A)	
*=	2267	480	1			J	1.09	2.18 (J)	
*=	9	5,494	1			J	0.05	0.05 (A)	
PL	2261 x 2.3	240	1	FILL		J	1.09	1.09 (J)	
*=	2	5,003	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2261 x 9.0	480	1	W. SPL		D	2.17	1.09 (B)	
*=	2261	480	1			J	1.09	2.17 (J)	
*=	9	5,481	1			J	0.05	0.05 (B)	
PL	2261 x 9.0	480	1	W. SPL		D	2.17	1.09 (A)	
*=	2261	480	1			J	1.09	2.17 (J)	
*=	9	5,481	1			J	0.05	0.05 (A)	
PL	2255 x 2.3	240	1	FILL		J	1.08	1.08 (J)	
*=	2	4,989	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 19.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	19	2,150	20			J	0.04	0.82 (B)	
PL	115 x 3.2	480	10	FILL		J	0.11	1.10 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,190	10			J	0.00	0.04 (B)
TCB	M 22	95	70	U. RIB		J	5.06	0.35 (F)
PL	115 x 19.0	960	10	LR. SPL		D	0.22	1.10 (B)
*=	115	960	10			J	0.11	2.21 (J)
TCB	M 22	95	70	L. RIB		J	5.06	0.35 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.59	6.74
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.81
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	23.69
	U:	-0.86	0.95

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 12.0	630	1	UF. SPL		D	0.10	0.05 (A)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (A)	
PL	656 x 12.0	630	3	UF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	UF. SPL		D	0.10	0.05 (A)	
*=	80	630	1			J	0.05	0.10 (J)	
PL	2440 x 10.0	630	1	UF. SPL		D	3.07	1.23 (D)	0.31 (C)
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (D)	
PL	80 x 14.0	315	2	FILL		J	0.05	0.10 (J)	
*=	14	790	2			J	0.01	0.02 (B)	
PL	656 x 14.0	315	3	FILL		J	0.41	1.24 (J)	
*=	14	1,942	3			J	0.03	0.08 (B)	
TCB	M 22	90	8	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	90	150	U. FLG		J	5.06	0.76 (F)	
TCB	M 22	90	8	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	305 x 9.0	480	6	LF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 12.0	240	1	FILL		J	1.17	1.17 (J)	
*=	12	5,360	1			J	0.06	0.06 (U)	
TCB	M 22	80	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	80	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	80	144	L. FLG		J	5.06	0.12 (I)	0.60 (F)
PL	2246 x 9.0	630	1	W. SPL		D	2.83	1.41 (B)	
*=	2246	630	1			J	1.41	2.83 (J)	
*=	9	5,753	1			J	0.05	0.05 (B)	
PL	2246 x 9.0	630	1	W. SPL		D	2.83	1.41 (A)	
*=	2246	630	1			J	1.41	2.83 (J)	
*=	9	5,753	1			J	0.05	0.05 (A)	
PL	2240 x 2.3	315	1	FILL		J	1.41	1.41 (J)	
*=	2	5,109	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2258 x 9.0	630	1	W. SPL		D	2.85	1.42 (B)	
*=	2258	630	1			J	1.42	2.85 (J)	
*=	9	5,777	1			J	0.05	0.05 (B)	
PL	2258 x 9.0	630	1	W. SPL		D	2.85	1.42 (A)	
*=	2258	630	1			J	1.42	2.85 (J)	
*=	9	5,777	1			J	0.05	0.05 (A)	
PL	2251 x 2.3	315	1	FILL		J	1.42	1.42 (J)	
*=	2	5,132	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,090	7			J	0.00	0.02 (B)
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)
*=	155	780	10			J	0.12	2.42 (J)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.94	3.08
	B:	-6.65	7.60
	C:	-0.31	0.31
	D:	-1.23	1.29
	E:	0.00	0.40
	F:	0.00	3.68
	G:	0.00	0.01
	I:	0.00	0.18
	J:	0.00	30.93
	U:	-1.25	1.39

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 25.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
*=	25	2,320	2			J	0.06	0.12 (A)	
PL	656 x 25.0	1,080	3	UF. SPL		D	1.42	2.13 (B)	
*=	656	1,080	3			J	0.71	4.25 (J)	
*=	25	3,472	3			J	0.09	0.26 (B)	
PL	80 x 25.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
PL	2440 x 19.0	1,080	1	UF. SPL		D	5.27	2.11 (D)	0.53 (C)
*=	2440	1,080	1			J	2.64	5.27 (J)	
*=	19	7,040	1			J	0.13	0.13 (D)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
TCB	M 22	115	276	U. FLG		J	5.06	1.40 (F)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
PL	2440 x 12.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	12	6,140	1			J	0.07	0.07 (U)	
PL	80 x 14.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	14	1,420	2			J	0.02	0.04 (U)	
PL	305 x 14.0	630	6	LF. SPL		D	0.38	1.15 (B)	
*=	305	630	6			J	0.19	2.31 (J)	
*=	14	1,870	6			J	0.03	0.16 (B)	
PL	80 x 14.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
PL	2440 x 4.5	315	1	FILL		J	1.54	1.54 (J)	
*=	5	5,510	1			J	0.03	0.03 (U)	
TCB	M 22	90	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	90	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	90	192	L. FLG		J	5.06	0.17 (I)	0.81 (F)
PL	2240 x 10.0	780	1	W. SPL		D	3.49	1.75 (B)	
*=	2240	780	1			J	1.75	3.49 (J)	
*=	10	6,040	1			J	0.06	0.06 (B)	
PL	2240 x 10.0	780	1	W. SPL		D	3.49	1.75 (A)	
*=	2240	780	1			J	1.75	3.49 (J)	
*=	10	6,040	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	2270 x 10.0	780	1	W. SPL		D	3.54	1.77 (B)	
*=	2270	780	1			J	1.77	3.54 (J)	
*=	10	6,099	1			J	0.06	0.06 (B)	
PL	2270 x 10.0	780	1	W. SPL		D	3.54	1.77 (A)	
*=	2270	780	1			J	1.77	3.54 (J)	
*=	10	6,099	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	
*=	3	1,090	7			J	0.00	0.02 (B)	
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)	
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	
*=	19	1,870	10			J	0.04	0.35 (B)	
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)	
Tota		Color		O. P (m2)		S. P (m2)			
		A:		-3.69		3.93			
		B:		-8.49		9.57			

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 7

Total	Color	O. P (m2)	S. P (m2)
	C:	-0.53	0.53
	D:	-2.11	2.24
	E:	0.00	0.53
	F:	0.00	4.93
	G:	0.00	0.02
	I:	0.00	0.25
	J:	0.00	35.29
	U:	-1.64	1.78

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	12	1,120	2			J	0.01	0.03 (A)	
PL	656 x 12.0	480	3	UF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	12	2,272	3			J	0.03	0.08 (B)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
PL	80 x 16.0	240	2	FILL		J	0.04	0.08 (J)	
*=	16	640	2			J	0.01	0.02 (B)	
PL	656 x 16.0	240	3	FILL		J	0.31	0.94 (J)	
*=	16	1,792	3			J	0.03	0.09 (B)	
TCB	M 22	90	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	90	108	U. FLG		J	5.06	0.55 (F)	
TCB	M 22	90	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 10.0	165	1	FILL		J	0.81	0.81 (J)	
*=	10	5,210	1			J	0.05	0.05 (U)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2228 x 9.0	630	1	W. SPL		D	2.81	1.40 (B)	
*=	2228	630	1			J	1.40	2.81 (J)	
*=	9	5,715	1			J	0.05	0.05 (B)	
PL	2228 x 9.0	630	1	W. SPL		D	2.81	1.40 (A)	
*=	2228	630	1			J	1.40	2.81 (J)	
*=	9	5,715	1			J	0.05	0.05 (A)	
PL	2221 x 2.3	315	1	FILL		J	1.40	1.40 (J)	
*=	2	5,073	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2273 x 9.0	630	1	W. SPL		D	2.86	1.43 (B)	
*=	2273	630	1			J	1.43	2.86 (J)	
*=	9	5,807	1			J	0.05	0.05 (B)	
PL	2273 x 9.0	630	1	W. SPL		D	2.86	1.43 (A)	
*=	2273	630	1			J	1.43	2.86 (J)	
*=	9	5,807	1			J	0.05	0.05 (A)	
PL	2267 x 2.3	315	1	FILL		J	1.43	1.43 (J)	
*=	2	5,164	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	630	4	UR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	U. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	155 x 19.0	630	10	LR. SPL		D	0.20	0.98 (B)
*=	155	630	10			J	0.10	1.95 (J)
*=	19	1,570	10			J	0.03	0.30 (B)
TCB	M 22	95	80	L. RIB		J	5.06	0.40 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.91	3.04
	B:	-5.75	6.57
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.38
	F:	0.00	3.13
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	26.04
	U:	-0.86	0.97

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2231 x 9.0	480	1	W. SPL		D	2.14	1.07 (B)	
*=	2231	480	1			J	1.07	2.14 (J)	
*=	9	5,422	1			J	0.05	0.05 (B)	
PL	2231 x 9.0	480	1	W. SPL		D	2.14	1.07 (A)	
*=	2231	480	1			J	1.07	2.14 (J)	
*=	9	5,422	1			J	0.05	0.05 (A)	
PL	2227 x 2.3	240	1	FILL		J	1.07	1.07 (J)	
*=	2	4,933	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2295 x 9.0	480	1	W. SPL		D	2.20	1.10 (B)	
*=	2295	480	1			J	1.10	2.20 (J)	
*=	9	5,549	1			J	0.05	0.05 (B)	
PL	2295 x 9.0	480	1	W. SPL		D	2.20	1.10 (A)	
*=	2295	480	1			J	1.10	2.20 (J)	
*=	9	5,549	1			J	0.05	0.05 (A)	
PL	2290 x 2.3	240	1	FILL		J	1.10	1.10 (J)	
*=	2	5,060	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 22.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	22	1,570	20			J	0.03	0.69 (B)	
TCB	M 22	105	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	10	LR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 9

Form Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
TCB	M 22	105	80	L. RIB		J	5.06	0.40 (F)

Total	Color	0. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.33	6.31
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.91
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	21.27
	U:	-0.86	0.92

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 2.3	165	2	FILL		J	0.03	0.05 (J)	
*=	2	490	2			J	0.00	0.00 (B)	
PL	305 x 2.3	165	6	FILL		J	0.10	0.60 (J)	
*=	2	940	6			J	0.00	0.01 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 4.5	240	1	FILL		J	1.17	1.17 (J)	
*=	5	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2224 x 9.0	480	1	W. SPL		D	2.13	1.07 (B)	
*=	2224	480	1			J	1.07	2.13 (J)	
*=	9	5,408	1			J	0.05	0.05 (B)	
PL	2224 x 9.0	480	1	W. SPL		D	2.13	1.07 (A)	
*=	2224	480	1			J	1.07	2.13 (J)	
*=	9	5,408	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2306 x 9.0	480	1	W. SPL		D	2.21	1.11 (B)	
*=	2306	480	1			J	1.11	2.21 (J)	
*=	9	5,572	1			J	0.05	0.05 (B)	
PL	2306 x 9.0	480	1	W. SPL		D	2.21	1.11 (A)	
*=	2306	480	1			J	1.11	2.21 (J)	
*=	9	5,572	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	4	LR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	L. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 10

Total	Color	O. P (m2)	S. P (m2)
	A:	-2. 23	2. 34
	B:	-5. 09	5. 77
	C:	-0. 16	0. 16
	D:	-0. 64	0. 69
	E:	0. 00	0. 28
	F:	0. 00	2. 72
	G:	0. 00	0. 01
	I:	0. 00	0. 15
	J:	0. 00	20. 57
	U:	-1. 25	1. 35

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	9	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2214 x 9.0	480	1	W. SPL		D	2.13	1.06 (B)	
*=	2214	480	1			J	1.06	2.13 (J)	
*=	9	5,388	1			J	0.05	0.05 (B)	
PL	2214 x 9.0	480	1	W. SPL		D	2.13	1.06 (A)	
*=	2214	480	1			J	1.06	2.13 (J)	
*=	9	5,388	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2315 x 9.0	480	1	W. SPL		D	2.22	1.11 (B)	
*=	2315	480	1			J	1.11	2.22 (J)	
*=	9	5,589	1			J	0.05	0.05 (B)	
PL	2315 x 9.0	480	1	W. SPL		D	2.22	1.11 (A)	
*=	2315	480	1			J	1.11	2.22 (J)	
*=	9	5,589	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	780	4	LR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
TCB	M 22	105	40	L. RIB		J	5.06	0.20 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.48	6.20
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.93

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 11

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	20.30
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	9	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2204 x 9.0	480	1	W. SPL		D	2.12	1.06 (B)	
*=	2204	480	1			J	1.06	2.12 (J)	
*=	9	5,369	1			J	0.05	0.05 (B)	
PL	2204 x 9.0	480	1	W. SPL		D	2.12	1.06 (A)	
*=	2204	480	1			J	1.06	2.12 (J)	
*=	9	5,369	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,606	1			J	0.05	0.05 (B)	
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,606	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	780	4	LR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
TCB	M 22	105	40	L. RIB		J	5.06	0.20 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.48	6.20
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.93

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 12

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	20.29
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 2.3	165	2	FILL		J	0.03	0.05 (J)	
*=	2	490	2			J	0.00	0.00 (B)	
PL	305 x 2.3	165	6	FILL		J	0.10	0.60 (J)	
*=	2	940	6			J	0.00	0.01 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 4.5	240	1	FILL		J	1.17	1.17 (J)	
*=	5	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2199 x 9.0	480	1	W. SPL		D	2.11	1.06 (B)	
*=	2199	480	1			J	1.06	2.11 (J)	
*=	9	5,358	1			J	0.05	0.05 (B)	
PL	2199 x 9.0	480	1	W. SPL		D	2.11	1.06 (A)	
*=	2199	480	1			J	1.06	2.11 (J)	
*=	9	5,358	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2331 x 9.0	480	1	W. SPL		D	2.24	1.12 (B)	
*=	2331	480	1			J	1.12	2.24 (J)	
*=	9	5,621	1			J	0.05	0.05 (B)	
PL	2331 x 9.0	480	1	W. SPL		D	2.24	1.12 (A)	
*=	2331	480	1			J	1.12	2.24 (J)	
*=	9	5,621	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	4	LR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	L. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 13

Total	Color	O. P (m2)	S. P (m2)
	A:	-2. 23	2. 34
	B:	-5. 09	5. 77
	C:	-0. 16	0. 16
	D:	-0. 64	0. 69
	E:	0. 00	0. 28
	F:	0. 00	2. 72
	G:	0. 00	0. 01
	I:	0. 00	0. 15
	J:	0. 00	20. 57
	U:	-1. 25	1. 35

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 6.0	165	2	FILL		J	0.03	0.05 (J)	
*=	6	490	2			J	0.00	0.01 (B)	
PL	305 x 6.0	165	6	FILL		J	0.10	0.60 (J)	
*=	6	940	6			J	0.01	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2194 x 9.0	480	1	W. SPL		D	2.11	1.05 (B)	
*=	2194	480	1			J	1.05	2.11 (J)	
*=	9	5,349	1			J	0.05	0.05 (B)	
PL	2194 x 9.0	480	1	W. SPL		D	2.11	1.05 (A)	
*=	2194	480	1			J	1.05	2.11 (J)	
*=	9	5,349	1			J	0.05	0.05 (A)	
PL	2191 x 2.3	240	1	FILL		J	1.05	1.05 (J)	
*=	2	4,861	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2326 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2326	480	1			J	1.12	2.23 (J)	
*=	9	5,612	1			J	0.05	0.05 (B)	
PL	2326 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2326	480	1			J	1.12	2.23 (J)	
*=	9	5,612	1			J	0.05	0.05 (A)	
PL	2323 x 2.3	240	1	FILL		J	1.12	1.12 (J)	
*=	2	5,125	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 22.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	22	1,570	20			J	0.03	0.69 (B)	
TCB	M 22	105	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	10	LR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 14

Form Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
TCB	M 22	105	80	L. RIB		J	5.06	0.40 (F)

Total	Color	0. P (m2)	S. P (m2)
	A:	-2.22	2.34
	B:	-5.33	6.31
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.91
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	21.26
	U:	-0.86	0.92

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	12	1,120	2			J	0.01	0.03 (A)	
PL	656 x 12.0	480	3	UF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	12	2,272	3			J	0.03	0.08 (B)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
PL	80 x 17.0	240	2	FILL		J	0.04	0.08 (J)	
*=	17	640	2			J	0.01	0.02 (B)	
PL	656 x 17.0	240	3	FILL		J	0.31	0.94 (J)	
*=	17	1,792	3			J	0.03	0.09 (B)	
TCB	M 22	90	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	90	108	U. FLG		J	5.06	0.55 (F)	
TCB	M 22	90	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 10.0	165	1	FILL		J	0.81	0.81 (J)	
*=	10	5,210	1			J	0.05	0.05 (U)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2179 x 9.0	630	1	W. SPL		D	2.75	1.37 (B)	
*=	2179	630	1			J	1.37	2.75 (J)	
*=	9	5,617	1			J	0.05	0.05 (B)	
PL	2179 x 9.0	630	1	W. SPL		D	2.75	1.37 (A)	
*=	2179	630	1			J	1.37	2.75 (J)	
*=	9	5,617	1			J	0.05	0.05 (A)	
PL	2174 x 2.3	315	1	FILL		J	1.37	1.37 (J)	
*=	2	4,979	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2311 x 9.0	630	1	W. SPL		D	2.91	1.46 (B)	
*=	2311	630	1			J	1.46	2.91 (J)	
*=	9	5,881	1			J	0.05	0.05 (B)	
PL	2311 x 9.0	630	1	W. SPL		D	2.91	1.46 (A)	
*=	2311	630	1			J	1.46	2.91 (J)	
*=	9	5,881	1			J	0.05	0.05 (A)	
PL	2306 x 2.3	315	1	FILL		J	1.45	1.45 (J)	
*=	2	5,243	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	630	4	UR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	U. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	155 x 19.0	480	10	LR. SPL		D	0.15	0.74 (B)
*=	155	480	10			J	0.07	1.49 (J)
*=	19	1,270	10			J	0.02	0.24 (B)
TCB	M 22	95	60	L. RIB		J	5.06	0.30 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.91	3.04
	B:	-5.51	6.28
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.38
	F:	0.00	3.03
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	25.54
	U:	-0.86	0.97

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 25.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
*=	25	2,320	2			J	0.06	0.12 (A)	
PL	656 x 25.0	1,080	3	UF. SPL		D	1.42	2.13 (B)	
*=	656	1,080	3			J	0.71	4.25 (J)	
*=	25	3,472	3			J	0.09	0.26 (B)	
PL	80 x 25.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
PL	2440 x 19.0	1,080	1	UF. SPL		D	5.27	2.11 (D)	0.53 (C)
*=	2440	1,080	1			J	2.64	5.27 (J)	
*=	19	7,040	1			J	0.13	0.13 (D)	
PL	80 x 2.3	540	2	FILL		J	0.09	0.17 (J)	
*=	2	1,240	2			J	0.00	0.00 (B)	
PL	656 x 2.3	540	3	FILL		J	0.71	2.13 (J)	
*=	2	2,392	3			J	0.00	0.01 (B)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
TCB	M 22	115	276	U. FLG		J	5.06	1.40 (F)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
PL	2440 x 12.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	12	6,140	1			J	0.07	0.07 (U)	
PL	80 x 14.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	14	1,420	2			J	0.02	0.04 (U)	
PL	305 x 14.0	630	6	LF. SPL		D	0.38	1.15 (B)	
*=	305	630	6			J	0.19	2.31 (J)	
*=	14	1,870	6			J	0.03	0.16 (B)	
PL	80 x 14.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
PL	2440 x 6.0	315	1	FILL		J	1.54	1.54 (J)	
*=	6	5,510	1			J	0.03	0.03 (U)	
TCB	M 22	90	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	90	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	90	192	L. FLG		J	5.06	0.17 (I)	0.81 (F)
PL	2178 x 10.0	780	1	W. SPL		D	3.40	1.70 (B)	
*=	2178	780	1			J	1.70	3.40 (J)	
*=	10	5,915	1			J	0.06	0.06 (B)	
PL	2178 x 10.0	780	1	W. SPL		D	3.40	1.70 (A)	
*=	2178	780	1			J	1.70	3.40 (J)	
*=	10	5,915	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	2309 x 10.0	780	1	W. SPL		D	3.60	1.80 (B)	
*=	2309	780	1			J	1.80	3.60 (J)	
*=	10	6,179	1			J	0.06	0.06 (B)	
PL	2309 x 10.0	780	1	W. SPL		D	3.60	1.80 (A)	
*=	2309	780	1			J	1.80	3.60 (J)	
*=	10	6,179	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	
*=	3	1,090	7			J	0.00	0.02 (B)	
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)	
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 16

Form Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-3.67	3.91
	B:	-8.47	9.57
	C:	-0.53	0.53
	D:	-2.11	2.24
	E:	0.00	0.53
	F:	0.00	4.93
	G:	0.00	0.02
	I:	0.00	0.25
	J:	0.00	37.52
	U:	-1.64	1.78

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 14.0	780	1	UF. SPL		D	0.12	0.06 (A)	
*=	80	780	1			J	0.06	0.12 (J)	
*=	14	1,720	2			J	0.02	0.05 (A)	
PL	656 x 14.0	780	3	UF. SPL		D	1.02	1.54 (B)	
*=	656	780	3			J	0.51	3.07 (J)	
*=	14	2,872	3			J	0.04	0.12 (B)	
PL	80 x 14.0	780	1	UF. SPL		D	0.12	0.06 (A)	
*=	80	780	1			J	0.06	0.12 (J)	
PL	2440 x 12.0	780	1	UF. SPL		D	3.81	1.52 (D)	0.38 (C)
*=	2440	780	1			J	1.90	3.81 (J)	
*=	12	6,440	1			J	0.08	0.08 (D)	
PL	80 x 16.0	390	2	FILL		J	0.06	0.12 (J)	
*=	16	940	2			J	0.01	0.03 (B)	
PL	656 x 16.0	390	3	FILL		J	0.51	1.54 (J)	
*=	16	2,092	3			J	0.03	0.10 (B)	
TCB	M 22	100	10	U. FLG		J	5.06	0.01 (G)	0.04 (E)
TCB	M 22	100	192	U. FLG		J	5.06	0.97 (F)	
TCB	M 22	100	10	U. FLG		J	5.06	0.01 (G)	0.04 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	305 x 9.0	480	6	LF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 13.0	240	1	FILL		J	1.17	1.17 (J)	
*=	13	5,360	1			J	0.07	0.07 (U)	
TCB	M 22	80	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	80	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	80	144	L. FLG		J	5.06	0.12 (I)	0.60 (F)
PL	2175 x 9.0	630	1	W. SPL		D	2.74	1.37 (B)	
*=	2175	630	1			J	1.37	2.74 (J)	
*=	9	5,610	1			J	0.05	0.05 (B)	
PL	2175 x 9.0	630	1	W. SPL		D	2.74	1.37 (A)	
*=	2175	630	1			J	1.37	2.74 (J)	
*=	9	5,610	1			J	0.05	0.05 (A)	
PL	2171 x 2.3	315	1	FILL		J	1.37	1.37 (J)	
*=	2	4,973	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2307 x 9.0	630	1	W. SPL		D	2.91	1.45 (B)	
*=	2307	630	1			J	1.45	2.91 (J)	
*=	9	5,873	1			J	0.05	0.05 (B)	
PL	2307 x 9.0	630	1	W. SPL		D	2.91	1.45 (A)	
*=	2307	630	1			J	1.45	2.91 (J)	
*=	9	5,873	1			J	0.05	0.05 (A)	
PL	2303 x 2.3	315	1	FILL		J	1.45	1.45 (J)	
*=	2	5,237	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,090	7			J	0.00	0.02 (B)
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)
*=	155	780	10			J	0.12	2.42 (J)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.95	3.10
	B:	-6.93	7.93
	C:	-0.38	0.38
	D:	-1.52	1.60
	E:	0.00	0.41
	F:	0.00	3.90
	G:	0.00	0.02
	I:	0.00	0.18
	J:	0.00	32.55
	U:	-1.25	1.39

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 9.0	165	2	FILL		J	0.03	0.05 (J)	
*=	9	490	2			J	0.00	0.01 (B)	
PL	305 x 9.0	165	6	FILL		J	0.10	0.60 (J)	
*=	9	940	6			J	0.01	0.05 (B)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	75	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 4.5	165	1	FILL		J	0.81	0.81 (J)	
*=	5	5,210	1			J	0.03	0.03 (U)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2188 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2188	480	1			J	1.05	2.10 (J)	
*=	9	5,337	1			J	0.05	0.05 (B)	
PL	2188 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2188	480	1			J	1.05	2.10 (J)	
*=	9	5,337	1			J	0.05	0.05 (A)	
PL	2186 x 2.3	240	1	FILL		J	1.05	1.05 (J)	
*=	2	4,852	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2320 x 9.0	480	1	W. SPL		D	2.23	1.11 (B)	
*=	2320	480	1			J	1.11	2.23 (J)	
*=	9	5,600	1			J	0.05	0.05 (B)	
PL	2320 x 9.0	480	1	W. SPL		D	2.23	1.11 (A)	
*=	2320	480	1			J	1.11	2.23 (J)	
*=	9	5,600	1			J	0.05	0.05 (A)	
PL	2318 x 2.3	240	1	FILL		J	1.11	1.11 (J)	
*=	2	5,116	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 19.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	19	2,150	20			J	0.04	0.82 (B)	
PL	115 x 3.2	480	10	FILL		J	0.11	1.10 (J)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,190	10			J	0.00	0.04 (B)
TCB	M 22	95	70	U. RIB		J	5.06	0.35 (F)
PL	115 x 19.0	960	10	LR. SPL		D	0.22	1.10 (B)
*=	115	960	10			J	0.11	2.21 (J)
TCB	M 22	95	70	L. RIB		J	5.06	0.35 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.22	2.33
	B:	-5.58	6.75
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.81
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	23.65
	U:	-0.86	0.95

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 3.2	165	2	FILL		J	0.03	0.05 (J)	
*=	3	490	2			J	0.00	0.00 (B)	
PL	305 x 3.2	165	6	FILL		J	0.10	0.60 (J)	
*=	3	940	6			J	0.00	0.02 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 6.0	240	1	FILL		J	1.17	1.17 (J)	
*=	6	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2194 x 9.0	480	1	W. SPL		D	2.11	1.05 (B)	
*=	2194	480	1			J	1.05	2.11 (J)	
*=	9	5,347	1			J	0.05	0.05 (B)	
PL	2194 x 9.0	480	1	W. SPL		D	2.11	1.05 (A)	
*=	2194	480	1			J	1.05	2.11 (J)	
*=	9	5,347	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2326 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2326	480	1			J	1.12	2.23 (J)	
*=	9	5,611	1			J	0.05	0.05 (B)	
PL	2326 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2326	480	1			J	1.12	2.23 (J)	
*=	9	5,611	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	16	2,150	10			J	0.03	0.34 (B)	
TCB	M 22	90	70	U. RIB		J	5.06	0.35 (F)	
PL	115 x 19.0	1,090	4	LR. SPL		D	0.25	0.50 (B)	
*=	115	1,090	4			J	0.13	1.00 (J)	
*=	19	2,410	4			J	0.05	0.18 (B)	
TCB	M 22	95	32	L. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 19

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.22	2.34
	B:	-5.32	6.10
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.67
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	21.03
	U:	-1.25	1.35

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	9	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2193 x 9.0	480	1	W. SPL		D	2.11	1.05 (B)	
*=	2193	480	1			J	1.05	2.11 (J)	
*=	9	5,345	1			J	0.05	0.05 (B)	
PL	2193 x 9.0	480	1	W. SPL		D	2.11	1.05 (A)	
*=	2193	480	1			J	1.05	2.11 (J)	
*=	9	5,345	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,610	1			J	0.05	0.05 (B)	
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,610	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.25	2.36
	B:	-5.62	6.34
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	2.99

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 20

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.36
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (U)	
PL	656 x 10.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	10	2,272	3			J	0.02	0.07 (B)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 2.3	240	1	FILL		J	1.17	1.17 (J)	
*=	2	5,360	1			J	0.01	0.01 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (B)	
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (B)	
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	960	4	LR. SPL		D	0.22	0.44 (B)	
*=	115	960	4			J	0.11	0.88 (J)	
*=	19	2,150	4			J	0.04	0.16 (B)	
TCB	M 22	95	28	L. RIB		J	5.06	0.14 (F)	
Tota		Color		O. P (m2)		S. P (m2)			
		A:		-2.24		2.36			
		B:		-5.39		6.10			
		C:		-0.23		0.23			
		D:		-0.94		0.99			

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 21

Total	Color	O. P (m2)	S. P (m2)
	E:	0.00	0.30
	F:	0.00	2.84
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	21.27
	U:	-1.25	1.33

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 4.5	240	1	FILL		J	1.17	1.17 (J)	
*=	5	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (B)	
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (B)	
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	700	10	UR. SPL		D	0.16	0.81 (B)	
*=	115	700	10			J	0.08	1.61 (J)	
*=	16	1,630	10			J	0.03	0.26 (B)	
TCB	M 22	90	50	U. RIB		J	5.06	0.25 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

<MAIN STRUCTURE><GIRDER> Block:G1 CSPL 22

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.22	2.33
	B:	-4.90	5.57
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.52
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	20.18
	U:	-1.25	1.35

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 10.0	8,054	1	U. FLG			39.48	19.74 (D)	19.74 (B)
*=	-2451	1,100	1				-2.70	-2.70 (D)	
*=	2451	1,100	1				2.70	2.70 (C)	
*=	-250	6,954	2				-1.74	-3.48 (D)	
*=	250	6,954	2				1.74	3.48 (C)	
*=	-125	8,054	2				-1.01	-2.01 (B)	
*=	125	4,654	2				0.58	1.16 (A)	
*=	125	3,400	2				0.43	0.85 (U)	
PL	190 x 19.0	8,049	1	U. RIB			3.06	2.84 (B)	0.21 (U)
PL	190 x 19.0	8,044	1	U. RIB			3.06	2.84 (B)	0.21 (U)
PL	190 x 19.0	8,040	1	U. RIB			3.06	2.84 (B)	0.21 (U)
PL	190 x 19.0	8,035	1	U. RIB			3.05	2.84 (B)	0.21 (U)
PL	190 x 19.0	8,030	1	U. RIB			3.05	2.84 (B)	0.21 (U)
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 10.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,055	1	L. FLG			39.47	19.73 (U)	19.73 (B)
*=	-125	8,055	2				-1.01	-2.01 (B)	
*=	125	8,055	2				1.01	2.01 (U)	
*=	10	8,055	2				0.08	0.16 (U)	
PL	190 x 19.0	3,269	1	L. RIB			1.24	1.01 (B)	0.24 (U)
PL	190 x 19.0	8,045	1	L. RIB			3.06	2.84 (B)	0.21 (U)
PL	190 x 19.0	3,265	1	L. RIB			1.24	1.00 (B)	0.24 (U)
PL	190 x 19.0	8,035	1	L. RIB			3.05	2.84 (B)	0.21 (U)
PL	190 x 19.0	3,260	1	L. RIB			1.24	1.00 (B)	0.24 (U)
PL	810 x 50.0	760	1	SOLE		Z		0.00 (A)	
PL	120 x 14.0	2,190	2	RIB			0.53	0.53 (B)	0.53 (U)
PL	350 x 10.0	2,190	2	RIB			1.53	1.53 (B)	1.53 (U)
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	360	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	366	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,390	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,389	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,387	1	V. ST IF	97		0.65	0.65 (B)	
PL	140 x 12.0	1,276	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,212	2	H. ST IF			0.34	0.68 (B)	
PL	140 x 12.0	1,277	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,279	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	369	1	H. ST IF			0.10	0.10 (B)	
PL	2426 x 12.0	8,145	1	WEB	98		38.73	19.36 (A)	19.36 (B)
*=	-2426	3,400	1				-8.25	-8.25 (A)	
*=	2426	3,400	1				8.25	8.25 (U)	
*=	-2426	600	1				-1.46	-1.46 (B)	
*=	2426	600	1				1.46	1.46 (U)	
*=	-100	4,745	1				-0.47	-0.47 (A)	
*=	100	4,745	1				0.47	0.47 (U)	
PL	140 x 12.0	2,324	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,326	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,327	1	V. ST IF	97		0.63	0.63 (B)	
PL	140 x 12.0	1,270	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,206	2	H. ST IF			0.34	0.68 (B)	
PL	140 x 12.0	1,271	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	1,274	1	H. ST IF			0.36	0.36 (B)	
PL	140 x 12.0	366	1	H. ST IF			0.10	0.10 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2357 x 12.0	8,115	1	WEB	98		37.49	18.74 (A)	18.74 (B)
*=	-2426	3,400	1				-8.25	-8.25 (A)	
*=	2426	3,400	1				8.25	8.25 (U)	
*=	-2426	600	1				-1.46	-1.46 (B)	
*=	2426	600	1				1.46	1.46 (U)	
*=	-100	4,715	1				-0.47	-0.47 (A)	
*=	100	4,715	1				0.47	0.47 (U)	
PL	420 x 16.0	370	1	CB-UF	88		0.27	0.14 (U)	0.14 (C)
PL	1800 x 9.0	488	1	CB-W	99		1.74	1.74 (U)	
PL	320 x 16.0	488	1	CB-LF	99		0.31	0.31 (U)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1803 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (U)	0.11 (C)
PL	889 x 9.0	488	1	BR-W			0.87	0.87 (U)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (U)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	889 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	494	1	BR-LF			0.25	0.25 (A)	
PL	2426 x 12.0	2,190	1	DIA			10.63	5.31 (U)	5.31 (B)
PL	154 x 16.0	300	2	D. FBF			0.09	0.09 (U)	0.09 (B)
PL	119 x 10.0	300	2	D. FBF			0.07	0.07 (U)	0.07 (B)
PL	160 x 16.0	2,090	4	S. STF			0.67	1.34 (U)	1.34 (B)
PL	700 x 12.0	1,000	2	M. H	43	Z		0.00 (A)	
PL	480 x 9.0	680	1	M. H	83	Z		0.00 (A)	
PL	150 x 9.0	400	2	M. H	80		0.10	0.19 (B)	
PL	80 x 9.0	110	2	M. H			0.02	0.04 (B)	
RB	D 13	310	1	M. H		Z		0.00 (A)	
B. N	M 16	40	4	M. H		Z		0.00 (A)	
SP5	20A	280	1	M. H		Z		0.00 (A)	
WPIN	5.0	36	2	M. H		Z		0.00 (A)	
PL	2423 x 9.0	2,190	1	DIA			10.61	10.61 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,205	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,504	1	CR-STF			0.42	0.42 (B)	
PL	140 x 12.0	1,440	1	CR-STF			0.40	0.40 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,191	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	200 x 14.0	2,431	2	JACKUP			0.97	1.94 (B)	
PL	200 x 14.0	2,361	2	JACKUP			0.94	1.89 (B)	
PL	250 x 31.0	250	1	BASEPL		Z		0.00 (A)	
PL	250 x 31.0	250	1	BASEPL		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			25.26		0.00		
		B:			131.95		0.00		
		C:			6.42		0.00		
		D:			13.79		0.00		
		U:			57.71		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,145	1	U. FLG			39.93	19.96 (D)	19.96 (B)
*=	-125	8,145	2				-1.02	-2.04 (B)	
*=	125	8,145	2				1.02	2.04 (A)	
*=	-250	8,145	2				-2.04	-4.07 (D)	
*=	250	8,145	2				2.04	4.07 (C)	
PL	190 x 19.0	8,139	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,135	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,131	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,127	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,123	1	U. RIB			3.09	3.09 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,145	1	L. FLG			39.91	19.96 (A)	19.96 (B)
*=	-125	8,145	2				-1.02	-2.04 (B)	
*=	125	8,145	2				1.02	2.04 (U)	
*=	16	8,145	2				0.13	0.26 (U)	
PL	190 x 19.0	8,135	1	L. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,127	1	L. RIB			3.09	3.09 (B)	
PL	140 x 12.0	2,381	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,380	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,378	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	1,213	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,279	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,279	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,214	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	369	1	H. STIF			0.10	0.10 (B)	
PL	2417 x 12.0	8,233	1	WEB	98		39.00	19.50 (A)	19.50 (B)
*=	-100	8,233	1				-0.82	-0.82 (A)	
*=	100	8,233	1				0.82	0.82 (U)	
PL	140 x 12.0	2,324	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,326	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,327	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	1,209	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,274	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,276	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,210	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	367	1	H. STIF			0.10	0.10 (B)	
PL	2362 x 12.0	8,209	1	WEB	98		38.00	19.00 (A)	19.00 (B)
*=	-100	8,209	1				-0.82	-0.82 (A)	
*=	100	8,209	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1801 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	885 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	
PL	2415 x 9.0	2,190	1	DIA			10.58	10.58 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,204	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,497	1	CR-STF			0.42	0.42 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 2

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,439	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	450	x 9.0	2,202	1	CR-W	99		1.96	1.96 (B)
PL	140	x 12.0	1,494	1	CR-STF			0.42	0.42 (B)
PL	140	x 12.0	1,442	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	62.27	0.00
	B:	127.23	0.00
	C:	4.07	0.00
	D:	16.11	0.00
	U:	3.94	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,155	1	U. FLG			39.98	19.99 (D)	19.99 (B)
*=	-125	8,155	2				-1.02	-2.04 (B)	
*=	125	8,155	2				1.02	2.04 (A)	
*=	-250	8,155	2				-2.04	-4.08 (D)	
*=	250	8,155	2				2.04	4.08 (C)	
PL	190 x 19.0	8,147	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,144	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,141	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,138	1	U. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,136	1	U. RIB			3.09	3.09 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,155	1	L. FLG			39.96	19.98 (U)	19.98 (B)
*=	-125	8,155	2				-1.02	-2.04 (B)	
*=	125	8,155	2				1.02	2.04 (U)	
*=	16	8,155	2				0.13	0.26 (U)	
PL	190 x 19.0	8,144	1	L. RIB			3.09	3.09 (B)	
PL	190 x 19.0	8,138	1	L. RIB			3.09	3.09 (B)	
PL	140 x 12.0	2,376	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,375	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,373	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	370	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,280	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	1,214	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	1,281	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	370	1	H. STIF			0.10	0.10 (B)	
PL	2412 x 12.0	8,240	1	WEB	98		38.95	19.48 (A)	19.48 (B)
*=	-100	8,240	1				-0.82	-0.82 (A)	
*=	100	8,240	1				0.82	0.82 (U)	
PL	140 x 12.0	2,329	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,330	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,332	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	369	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,277	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	1,211	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	1,279	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	368	1	H. STIF			0.10	0.10 (B)	
PL	2368 x 12.0	8,222	1	WEB	98		38.16	19.08 (A)	19.08 (B)
*=	-100	8,222	1				-0.82	-0.82 (A)	
*=	100	8,222	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1800 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1798 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	886 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	886 x 9.0	488	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 3

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	2412	x 9.0	2,190	1	DIA			10.56	10.56 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2409	x 9.0	2,190	1	DIA			10.55	10.55 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	450	x 9.0	2,201	1	CR-W	99		1.96	1.96 (B)
PL	140	x 12.0	1,491	1	CR-STF			0.42	0.42 (B)
PL	140	x 12.0	1,445	1	CR-STF			0.40	0.40 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		45.79		0.00		
			B:		133.09		0.00		
			C:		4.08		0.00		
			D:		16.35		0.00		
			U:		23.93		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 14.0	8,164	1	U. FLG			40.02	20.01 (D)	20.01 (B)
*=	-125	8,164	2				-1.02	-2.04 (B)	
*=	125	8,164	2				1.02	2.04 (A)	
*=	-250	8,164	2				-2.04	-4.08 (D)	
*=	250	8,164	2				2.04	4.08 (C)	
PL	190 x 19.0	8,154	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,152	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,150	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,149	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,147	1	U. RIB			3.10	3.10 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,164	1	L. FLG			40.00	20.00 (U)	20.00 (B)
*=	-125	8,164	2				-1.02	-2.04 (B)	
*=	125	8,164	2				1.02	2.04 (U)	
*=	16	8,164	2				0.13	0.26 (U)	
PL	190 x 19.0	8,152	1	L. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,149	1	L. RIB			3.10	3.10 (B)	
PL	140 x 12.0	2,370	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,367	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,364	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	1,215	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,281	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,281	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,216	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	370	1	H. STIF			0.10	0.10 (B)	
PL	2406 x 12.0	8,247	1	WEB	98		38.89	19.45 (A)	19.45 (B)
*=	-100	8,247	1				-0.82	-0.82 (A)	
*=	100	8,247	1				0.82	0.82 (U)	
PL	140 x 12.0	2,334	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,337	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,340	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	1,213	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,279	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,280	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,214	2	H. STIF			0.34	0.68 (B)	
PL	140 x 12.0	369	1	H. STIF			0.10	0.10 (B)	
PL	2376 x 12.0	8,238	1	WEB	98		38.36	19.18 (A)	19.18 (B)
*=	-100	8,238	1				-0.82	-0.82 (A)	
*=	100	8,238	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1796 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	887 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	496	1	BR-LF			0.25	0.25 (A)	
PL	2404 x 9.0	2,190	1	DIA			10.53	10.53 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,199	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,487	1	CR-STF			0.42	0.42 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140 x 12.0	1,448	1	CR-STF			0.41	0.41 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	450 x 9.0	2,196	1	CR-W	99		1.96	1.96 (B)
PL	140 x 12.0	1,481	1	CR-STF			0.41	0.41 (B)
PL	140 x 12.0	1,453	1	CR-STF			0.41	0.41 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,190	2	CR-F			0.66	1.31 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.44	0.00
	B:	127.44	0.00
	C:	4.08	0.00
	D:	16.15	0.00
	U:	23.95	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 11.0	8,173	1	U. FLG			40.05	20.02 (D)	20.02 (B)
*=	-125	8,173	2				-1.02	-2.04 (B)	
*=	125	8,173	2				1.02	2.04 (A)	
*=	-250	8,173	2				-2.04	-4.09 (D)	
*=	250	8,173	2				2.04	4.09 (C)	
PL	190 x 19.0	8,161	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,160	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,159	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,159	1	U. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,158	1	U. RIB			3.10	3.10 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,174	1	L. FLG			40.05	20.03 (U)	20.03 (B)
*=	-125	8,174	2				-1.02	-2.04 (B)	
*=	125	8,174	2				1.02	2.04 (U)	
*=	10	8,174	2				0.08	0.16 (U)	
PL	190 x 19.0	8,160	1	L. RIB			3.10	3.10 (B)	
PL	190 x 19.0	8,159	1	L. RIB			3.10	3.10 (B)	
PL	190 x 19.0	7,451	1	L. RIB			2.83	2.83 (B)	
PL	190 x 19.0	7,449	1	L. RIB			2.83	2.83 (B)	
PL	190 x 19.0	7,448	1	L. RIB			2.83	2.83 (B)	
PL	140 x 12.0	2,364	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,396	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,393	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	371	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,282	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,216	3	H. STIF			0.34	1.02 (B)	
PL	140 x 12.0	1,283	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	371	2	H. STIF			0.10	0.21 (B)	
PL	2400 x 12.0	8,251	1	WEB	98		38.81	19.41 (A)	19.41 (B)
*=	-100	8,251	1				-0.83	-0.83 (A)	
*=	100	8,251	1				0.83	0.83 (U)	
PL	140 x 12.0	2,345	1	V. STIF	97		0.64	0.64 (B)	
PL	140 x 12.0	2,383	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,385	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	371	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,281	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,216	3	H. STIF			0.34	1.02 (B)	
PL	140 x 12.0	1,283	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	370	2	H. STIF			0.10	0.21 (B)	
PL	2385 x 12.0	8,247	1	WEB	98		38.55	19.28 (A)	19.28 (B)
*=	-100	8,247	1				-0.82	-0.82 (A)	
*=	100	8,247	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1793 x 9.0	488	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1791 x 9.0	488	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	888 x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	496	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 5

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	350	x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	888	x 9.0	488	1	BR-W			0.87	0.87 (A)	
PL	250	x 10.0	497	1	BR-LF			0.25	0.25 (A)	
PL	2401	x 9.0	2,190	1	DIA			10.52	10.52 (B)	
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	2395	x 9.0	2,190	1	DIA			10.49	10.49 (B)	
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	450	x 9.0	2,194	1	CR-W	99		1.95	1.95 (B)	
PL	140	x 12.0	1,478	1	CR-STF			0.41	0.41 (B)	
PL	140	x 12.0	1,462	1	CR-STF			0.41	0.41 (B)	
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
Tota			Color		O. P (m2)		S. P (m2)			
			A:		45.91		0.00			
			B:		144.17		0.00			
			C:		4.09		0.00			
			D:		16.38		0.00			
			U:		23.88		0.00			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 20.0	8,179	1	U. FLG			40.08	20.04 (D)	20.04 (B)
*=	-125	8,179	2				-1.02	-2.04 (B)	
*=	125	8,179	2				1.02	2.04 (A)	
*=	-250	8,179	2				-2.04	-4.09 (D)	
*=	250	8,179	2				2.04	4.09 (C)	
PL	230 x 22.0	3,365	2	U. RIB			1.55	3.10 (B)	
PL	230 x 22.0	8,166	1	U. RIB			3.76	3.76 (B)	
PL	230 x 22.0	8,166	1	U. RIB			3.76	3.76 (B)	
PL	230 x 22.0	3,365	1	U. RIB			1.55	1.55 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 20.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	70	6	H. H		Z		0.00 (A)	
PL	2450 x 15.0	8,179	1	L. FLG			40.08	20.04 (U)	20.04 (B)
*=	-125	8,179	2				-1.02	-2.04 (B)	
*=	125	8,179	2				1.02	2.04 (U)	
*=	15	8,179	2				0.12	0.25 (U)	
PL	230 x 22.0	8,166	2	L. RIB			3.76	7.51 (B)	
PL	230 x 22.0	8,166	2	L. RIB			3.76	7.51 (B)	
PL	230 x 22.0	8,166	1	L. RIB			3.76	3.76 (B)	
PL	140 x 12.0	2,381	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,378	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,376	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	1,217	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,217	2	H. STIF			0.34	0.68 (B)	
PL	2383 x 14.0	8,251	1	WEB	98		38.54	19.27 (A)	19.27 (B)
*=	-100	8,251	1				-0.83	-0.83 (A)	
*=	100	8,251	1				0.83	0.83 (U)	
PL	140 x 12.0	2,379	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,382	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,385	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	1,217	1	H. STIF			0.34	0.34 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,283	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,217	2	H. STIF			0.34	0.68 (B)	
PL	2395 x 14.0	8,252	1	WEB	98		38.74	19.37 (A)	19.37 (B)
*=	-100	8,252	1				-0.83	-0.83 (A)	
*=	100	8,252	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1788 x 9.0	486	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	888 x 9.0	486	1	BR-W			0.86	0.86 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	
PL	2380 x 9.0	2,190	1	DIA			10.42	10.42 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,191	1	CR-W			1.97	1.97 (B)	
PL	140 x 12.0	1,463	1	CR-STF			0.41	0.41 (B)	
PL	140 x 12.0	1,458	1	CR-STF			0.41	0.41 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 6

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)
PL	450	x 9.0	2,191	1	CR-W			1.97	1.97 (B)
PL	140	x 12.0	1,457	1	CR-STF			0.41	0.41 (B)
PL	140	x 12.0	1,463	1	CR-STF			0.41	0.41 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	42.43	0.00
	B:	136.64	0.00
	C:	4.09	0.00
	D:	16.17	0.00
	U:	23.98	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2450 x 36.0	8,101	1	U. FLG			39.69	19.85 (D)	19.85 (B)
*=	-125	8,101	2				-1.01	-2.03 (B)	
*=	125	8,101	2				1.01	2.03 (A)	
*=	-250	8,101	2				-2.03	-4.05 (D)	
*=	250	8,101	2				2.03	4.05 (C)	
PL	260 x 25.0	8,087	1	U. RIB			4.21	4.21 (B)	
PL	260 x 25.0	8,090	1	U. RIB			4.21	4.21 (B)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 36.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	100	6	H. H		Z		0.00 (A)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	2450 x 29.0	8,101	1	L. FLG			39.69	19.85 (U)	19.85 (B)
*=	-125	8,101	2				-1.01	-2.03 (B)	
*=	125	8,101	2				1.01	2.03 (U)	
*=	29	8,101	2				0.23	0.47 (U)	
PL	260 x 25.0	8,086	1	L. RIB			4.20	4.20 (B)	
PL	260 x 25.0	8,087	1	L. RIB			4.21	4.21 (B)	
PL	260 x 25.0	8,089	1	L. RIB			4.21	4.21 (B)	
PL	260 x 25.0	8,090	1	L. RIB			4.21	4.21 (B)	
PL	260 x 25.0	8,091	1	L. RIB			4.21	4.21 (B)	
PL	1210 x 59.0	1,210	1	SOLE		Z		0.00 (A)	
PL	120 x 22.0	2,190	2	RIB			0.53	1.05 (B)	
PL	350 x 10.0	2,190	2	RIB			1.53	3.07 (B)	
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	354	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	359	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,357	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,355	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,352	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,234	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,168	2	H. STIF			0.37	0.75 (B)	
PL	160 x 14.0	1,118	1	H. STIF			0.36	0.36 (B)	
PL	160 x 14.0	1,244	1	H. STIF			0.40	0.40 (B)	
PL	2375 x 16.0	8,166	1	WEB	98		38.01	19.01 (A)	19.01 (B)
*=	-100	8,166	1				-0.82	-0.82 (A)	
*=	100	8,166	1				0.82	0.82 (U)	
PL	140 x 12.0	2,372	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,375	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,378	1	V. STIF			0.67	0.67 (B)	
PL	160 x 14.0	1,235	1	H. STIF			0.40	0.40 (B)	
PL	160 x 14.0	1,169	2	H. STIF			0.37	0.75 (B)	
PL	160 x 14.0	1,226	1	H. STIF			0.39	0.39 (B)	
PL	160 x 14.0	1,353	1	H. STIF			0.43	0.43 (B)	
PL	2404 x 16.0	8,173	1	WEB	97		38.12	19.06 (A)	19.06 (B)
*=	-100	8,173	1				-0.82	-0.82 (A)	
*=	100	8,173	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1790 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1792 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 7

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	890	x 9.0	484	1	BR-W			0.86	0.86 (A)	
PL	250	x 10.0	494	1	BR-LF			0.25	0.25 (A)	
PL	350	x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	
PL	892	x 9.0	484	1	BR-W			0.86	0.86 (A)	
PL	250	x 10.0	494	1	BR-LF			0.25	0.25 (A)	
PL	2376	x 26.0	2,190	1	DIA			10.41	10.41 (B)	
PL	730	x 20.0	1,030	2	M. H	43	Z		0.00 (A)	
PL	112	x 12.0	300	2	D. FBF			0.07	0.13 (B)	
PL	121	x 10.0	302	2	D. FBF			0.07	0.15 (B)	
PL	280	x 28.0	2,064	4	S. STF			1.16	4.62 (B)	
PL	2370	x 9.0	2,190	1	DIA			10.38	10.38 (B)	
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450	x 9.0	2,194	1	CR-W	99		1.95	1.95 (B)	
PL	140	x 12.0	1,436	1	CR-STF			0.40	0.40 (B)	
PL	140	x 12.0	1,453	1	CR-STF			0.41	0.41 (B)	
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150	x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
PL	200	x 20.0	2,360	2	JACKUP			0.94	1.89 (B)	
PL	200	x 20.0	2,356	2	JACKUP			0.94	1.88 (B)	
PL	200	x 20.0	2,380	2	JACKUP			0.95	1.90 (B)	
PL	200	x 20.0	2,384	2	JACKUP			0.95	1.91 (B)	
PL	250	x 30.0	250	4	BASEPL		Z		0.00 (A)	
Tota			Color		O. P (m2)		S. P (m2)			
			A:		45.24		0.00			
			B:		155.67		0.00			
			C:		4.05		0.00			
			D:		16.24		0.00			
			U:		23.98		0.00			

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 34.0	7,272	1	U. FLG			35.65	17.82 (D)	17.82 (B)
*=	-125	7,272	2				-0.91	-1.82 (B)	
*=	125	7,272	2				0.91	1.82 (A)	
*=	-250	7,272	2				-1.82	-3.64 (D)	
*=	250	7,272	2				1.82	3.64 (C)	
PL	230 x 22.0	7,256	1	U. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,261	1	U. RIB			3.34	3.34 (B)	
RB	D 16	600	14	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 34.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	100	6	H. H		Z		0.00 (A)	
PL	2450 x 22.0	7,272	1	L. FLG			35.63	17.82 (U)	17.82 (B)
*=	-125	7,272	2				-0.91	-1.82 (B)	
*=	125	7,272	2				0.91	1.82 (U)	
*=	22	7,272	2				0.16	0.32 (U)	
PL	230 x 22.0	7,254	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,256	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,258	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,261	1	L. RIB			3.34	3.34 (B)	
PL	230 x 22.0	7,263	1	L. RIB			3.34	3.34 (B)	
PL	140 x 12.0	2,351	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,349	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,294	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,244	1	H. STIF			0.40	0.40 (B)	
PL	160 x 14.0	1,270	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,320	1	H. STIF			0.42	0.42 (B)	
PL	2367 x 16.0	7,330	1	WEB	98		34.01	17.00 (A)	17.00 (B)
*=	-100	7,330	1				-0.73	-0.73 (A)	
*=	100	7,330	1				0.73	0.73 (U)	
PL	140 x 12.0	2,383	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,386	1	V. STIF			0.67	0.67 (B)	
PL	160 x 14.0	1,296	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,362	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,389	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,323	1	H. STIF			0.42	0.42 (B)	
PL	2412 x 16.0	7,344	1	WEB	98		34.72	17.36 (A)	17.36 (B)
*=	-100	7,344	1				-0.73	-0.73 (A)	
*=	100	7,344	1				0.73	0.73 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1794 x 9.0	484	1	CB-W	99		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	895 x 9.0	484	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	495	1	BR-LF			0.25	0.25 (A)	
PL	2384 x 9.0	2,190	1	DIA			10.44	10.44 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,197	1	CR-W	99		1.96	1.96 (B)	
PL	140 x 12.0	1,433	1	CR-STF			0.40	0.40 (B)	
PL	140 x 12.0	1,461	1	CR-STF			0.41	0.41 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,190	2	CR-F			0.66	1.31 (B)	
PL	450 x 9.0	2,199	1	CR-W	99		1.96	1.96 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 8

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,427	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,468	1	CR-STF			0.41	0.41 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	38.11	0.00
	B:	119.32	0.00
	C:	3.64	0.00
	D:	14.41	0.00
	U:	21.42	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2451 x 17.0	7,344	1	U. FLG			36.00	18.00 (D)	18.00 (B)
*=	-125	7,344	2				-0.92	-1.84 (B)	
*=	125	7,344	2				0.92	1.84 (A)	
*=	-250	7,344	2				-1.84	-3.67 (D)	
*=	250	7,344	2				1.84	3.67 (C)	
PL	230 x 22.0	7,327	1	U. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,324	1	U. RIB			3.37	3.37 (B)	
PL	230 x 22.0	5,094	1	U. RIB			2.34	2.34 (B)	
PL	230 x 22.0	5,099	1	U. RIB			2.35	2.35 (B)	
PL	230 x 22.0	5,104	1	U. RIB			2.35	2.35 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 17.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	65	6	H. H		Z		0.00 (A)	
PL	2450 x 12.0	7,345	1	L. FLG			35.99	18.00 (U)	18.00 (B)
*=	-125	7,345	2				-0.92	-1.84 (B)	
*=	125	7,345	2				0.92	1.84 (U)	
*=	12	7,345	2				0.09	0.18 (U)	
PL	230 x 22.0	7,323	1	L. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,327	1	L. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,330	1	L. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,334	1	L. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,337	1	L. RIB			3.38	3.38 (B)	
PL	140 x 12.0	2,363	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,359	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,356	1	V. STIF			0.66	0.66 (B)	
PL	160 x 14.0	1,270	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,271	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,321	4	H. STIF			0.42	1.69 (B)	
PL	160 x 14.0	423	2	H. STIF			0.14	0.27 (B)	
PL	2360 x 14.0	7,395	1	WEB	99		34.56	17.28 (A)	17.28 (B)
*=	-100	7,395	1				-0.74	-0.74 (A)	
*=	100	7,395	1				0.74	0.74 (U)	
PL	140 x 12.0	2,406	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,410	1	V. STIF			0.67	0.67 (B)	
PL	140 x 12.0	2,414	1	V. STIF			0.68	0.68 (B)	
PL	160 x 14.0	1,389	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,391	1	H. STIF			0.45	0.45 (B)	
PL	160 x 14.0	1,326	4	H. STIF			0.42	1.70 (B)	
PL	160 x 14.0	425	2	H. STIF			0.14	0.27 (B)	
PL	2421 x 14.0	7,418	1	WEB	98		35.20	17.60 (A)	17.60 (B)
*=	-100	7,418	1				-0.74	-0.74 (A)	
*=	100	7,418	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1796 x 9.0	486	1	CB-W	99		1.73	1.73 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	899 x 9.0	486	1	BR-W			0.87	0.87 (A)	
PL	250 x 10.0	498	1	BR-LF			0.25	0.25 (A)	
PL	2408 x 9.0	2,190	1	DIA			10.55	10.55 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,203	1	CR-W	99		1.96	1.96 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 9

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,438	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,492	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,191	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	38.65	0.00
	B:	125.12	0.00
	C:	3.67	0.00
	D:	14.55	0.00
	U:	21.49	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2452 x 11.0	7,355	1	U. FLG			36.07	18.03 (D)	18.03 (B)
*=	-125	7,355	2				-0.92	-1.84 (B)	
*=	125	7,355	2				0.92	1.84 (A)	
*=	-250	7,355	2				-1.84	-3.68 (D)	
*=	250	7,355	2				1.84	3.68 (C)	
PL	230 x 22.0	7,331	1	U. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,335	1	U. RIB			3.37	3.37 (B)	
PL	230 x 22.0	7,340	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,345	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,349	1	U. RIB			3.38	3.38 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 12.0	7,355	1	L. FLG			36.04	18.02 (U)	18.02 (B)
*=	-125	7,355	2				-0.92	-1.84 (B)	
*=	125	7,355	2				0.92	1.84 (U)	
*=	12	7,355	2				0.09	0.18 (U)	
PL	230 x 22.0	3,628	1	L. RIB			1.67	1.67 (B)	
PL	230 x 22.0	7,336	1	L. RIB			3.37	3.37 (B)	
PL	230 x 22.0	3,633	1	L. RIB			1.67	1.67 (B)	
PL	230 x 22.0	7,345	1	L. RIB			3.38	3.38 (B)	
PL	230 x 22.0	3,637	1	L. RIB			1.67	1.67 (B)	
PL	140 x 12.0	2,359	1	V. STIF			0.66	0.66 (B)	
PL	140 x 12.0	2,321	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	424	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,388	2	H. STIF			0.39	0.78 (B)	
PL	140 x 12.0	1,272	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,322	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (B)	
PL	2357 x 12.0	7,399	1	WEB	99		34.53	17.26 (A)	17.26 (B)
*=	-100	7,399	1				-0.74	-0.74 (A)	
*=	100	7,399	1				0.74	0.74 (U)	
PL	140 x 12.0	2,423	1	V. STIF			0.68	0.68 (B)	
PL	140 x 12.0	2,392	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	426	2	H. STIF			0.12	0.24 (B)	
PL	140 x 12.0	1,393	3	H. STIF			0.39	1.17 (B)	
PL	140 x 12.0	1,328	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	428	1	H. STIF			0.12	0.12 (B)	
PL	2430 x 12.0	7,428	1	WEB	98		35.38	17.69 (A)	17.69 (B)
*=	-100	7,428	1				-0.74	-0.74 (A)	
*=	100	7,428	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1803 x 9.0	488	1	CB-W	99		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1807 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	903 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	906 x 9.0	488	1	BR-W			0.88	0.88 (A)	
PL	250 x 10.0	501	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 10

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	2421	x 9.0	2,190	1	DIA			10.60	10.60 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2429	x 9.0	2,190	1	DIA			10.64	10.64 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	450	x 9.0	2,206	1	CR-W	99		1.97	1.97 (B)
PL	140	x 12.0	1,438	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,505	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,192	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		42.19		0.00		
			B:		132.35		0.00		
			C:		3.68		0.00		
			D:		14.80		0.00		
			U:		21.52		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2453 x 14.0	7,365	1	U. FLG			36.13	18.07 (D)	18.07 (B)
*=	-125	7,365	2				-0.92	-1.84 (B)	
*=	125	7,365	2				0.92	1.84 (A)	
*=	-250	7,365	2				-1.84	-3.68 (D)	
*=	250	7,365	2				1.84	3.68 (C)	
PL	230 x 22.0	7,338	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,344	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,350	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,356	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,362	1	U. RIB			3.39	3.39 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	7,365	1	L. FLG			36.09	18.04 (U)	18.04 (B)
*=	-125	7,365	2				-0.92	-1.84 (B)	
*=	125	7,365	2				0.92	1.84 (U)	
*=	18	7,365	2				0.13	0.27 (U)	
PL	230 x 22.0	7,344	1	L. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,356	1	L. RIB			3.38	3.38 (B)	
PL	140 x 12.0	2,315	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,311	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,308	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	423	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,323	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	1,389	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,390	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	424	1	H. STIF			0.12	0.12 (B)	
PL	2345 x 12.0	7,400	1	WEB	99		34.36	17.18 (A)	17.18 (B)
*=	-100	7,400	1				-0.74	-0.74 (A)	
*=	100	7,400	1				0.74	0.74 (U)	
PL	140 x 12.0	2,393	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,396	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,400	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	427	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,330	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	1,395	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,398	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	428	1	H. STIF			0.12	0.12 (B)	
PL	2439 x 12.0	7,439	1	WEB	98		35.56	17.78 (A)	17.78 (B)
*=	-100	7,439	1				-0.74	-0.74 (A)	
*=	100	7,439	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1807 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	370	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	910 x 9.0	488	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	502	1	BR-LF			0.25	0.25 (A)	
PL	2433 x 9.0	2,190	1	DIA			10.66	10.66 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,210	1	CR-W	99		1.97	1.97 (B)	
PL	140 x 12.0	1,428	1	CR-STF			0.40	0.40 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 11

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,509	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,192	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		38.75		0.00		
			B:		116.17		0.00		
			C:		3.68		0.00		
			D:		14.60		0.00		
			U:		21.63		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 14.0	7,374	1	U. FLG			36.19	18.10 (D)	18.10 (B)
*=	-125	7,374	2				-0.92	-1.84 (B)	
*=	125	7,374	2				0.92	1.84 (A)	
*=	-250	7,374	2				-1.84	-3.69 (D)	
*=	250	7,374	2				1.84	3.69 (C)	
PL	230 x 22.0	7,345	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,352	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,359	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,366	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,373	1	U. RIB			3.39	3.39 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	7,375	1	L. FLG			36.14	18.07 (U)	18.07 (B)
*=	-125	7,375	2				-0.92	-1.84 (B)	
*=	125	7,375	2				0.92	1.84 (U)	
*=	18	7,375	2				0.13	0.27 (U)	
PL	230 x 22.0	7,352	1	L. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,366	1	L. RIB			3.39	3.39 (B)	
PL	140 x 12.0	2,305	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	2,302	1	V. STIF	97		0.63	0.63 (B)	
PL	140 x 12.0	360	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,324	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	1,390	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,391	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,325	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	361	1	RIB			0.10	0.10 (B)	
PL	2336 x 12.0	7,403	1	WEB	99		34.24	17.12 (A)	17.12 (B)
*=	-100	7,403	1				-0.74	-0.74 (A)	
*=	100	7,403	1				0.74	0.74 (U)	
PL	140 x 12.0	2,404	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,407	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	364	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,332	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	1,398	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,400	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,334	1	H. STIF			0.37	0.37 (B)	
PL	140 x 12.0	365	1	H. STIF			0.10	0.10 (B)	
PL	2448 x 12.0	7,448	1	WEB	98		35.74	17.87 (A)	17.87 (B)
*=	-100	7,448	1				-0.74	-0.74 (A)	
*=	100	7,448	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1810 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	913 x 9.0	488	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	503	1	BR-LF			0.25	0.25 (A)	
PL	2440 x 9.0	2,190	1	DIA			10.69	10.69 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	450 x 9.0	2,213	1	CR-W	99		1.97	1.97 (B)	
PL	140 x 12.0	1,422	1	CR-STF			0.40	0.40 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140 x 12.0	1,517	1	CR-STF			0.42	0.42 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,193	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	449 x 9.0	2,217	1	CR-W	98		1.95	1.95 (B)
PL	140 x 12.0	1,416	1	CR-STF			0.40	0.40 (B)
PL	140 x 12.0	1,524	1	CR-STF			0.43	0.43 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,194	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	38.79	0.00
	B:	121.03	0.00
	C:	3.69	0.00
	D:	14.63	0.00
	U:	21.66	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 14.0	7,383	1	U. FLG			36.24	18.12 (D)	18.12 (B)
*=	-125	7,383	2				-0.92	-1.85 (B)	
*=	125	7,383	2				0.92	1.85 (A)	
*=	-250	7,383	2				-1.85	-3.69 (D)	
*=	250	7,383	2				1.85	3.69 (C)	
PL	230 x 22.0	7,351	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,359	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,367	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,375	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,383	1	U. RIB			3.40	3.40 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 14.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	7,383	1	L. FLG			36.18	18.09 (U)	18.09 (B)
*=	-125	7,383	2				-0.92	-1.85 (B)	
*=	125	7,383	2				0.92	1.85 (U)	
*=	18	7,383	2				0.13	0.27 (U)	
PL	230 x 22.0	7,359	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,375	1	L. RIB			3.39	3.39 (B)	
PL	140 x 12.0	2,299	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	2,296	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	2,294	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	424	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,391	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,392	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,326	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (B)	
PL	2327 x 12.0	7,405	1	WEB	99		34.12	17.06 (A)	17.06 (B)
*=	-100	7,405	1				-0.74	-0.74 (A)	
*=	100	7,405	1				0.74	0.74 (U)	
PL	140 x 12.0	2,411	1	V. STIF	97		0.65	0.65 (B)	
PL	140 x 12.0	2,414	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	2,417	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	429	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,400	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,402	1	H. STIF			0.39	0.39 (B)	
PL	140 x 12.0	1,336	2	H. STIF			0.37	0.75 (B)	
PL	140 x 12.0	430	1	H. STIF			0.12	0.12 (B)	
PL	2456 x 12.0	7,455	1	WEB	99		36.25	18.13 (A)	18.13 (B)
*=	-100	7,455	1				-0.75	-0.75 (A)	
*=	100	7,455	1				0.75	0.75 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1813 x 9.0	488	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	917 x 9.0	488	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2447 x 9.0	2,190	1	DIA			10.72	10.72 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,220	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,410	1	CR-STF			0.39	0.39 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 13

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,531	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,194	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		39.00		0.00		
			B:		116.60		0.00		
			C:		3.69		0.00		
			D:		14.65		0.00		
			U:		21.69		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 12.0	7,386	1	U. FLG			36.25	18.13 (D)	18.13 (B)
*=	-125	7,386	4				-0.92	-3.69 (B)	
*=	125	7,386	4				0.92	3.69 (A)	
*=	-250	7,386	2				-1.85	-3.69 (D)	
*=	250	7,386	2				1.85	3.69 (C)	
PL	230 x 22.0	7,353	1	U. RIB			3.38	3.38 (B)	
PL	230 x 22.0	7,361	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,370	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,378	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,386	1	U. RIB			3.40	3.40 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 12.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	55	6	H. H		Z		0.00 (A)	
PL	2450 x 12.0	7,386	1	L. FLG			36.19	18.10 (U)	18.10 (B)
*=	-125	7,386	2				-0.92	-1.85 (B)	
*=	125	7,386	2				0.92	1.85 (U)	
*=	12	7,386	2				0.09	0.18 (U)	
PL	230 x 22.0	7,361	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,378	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	3,639	1	L. RIB			1.67	1.67 (B)	
PL	230 x 22.0	3,647	1	L. RIB			1.68	1.68 (B)	
PL	230 x 22.0	3,655	1	L. RIB			1.68	1.68 (B)	
PL	140 x 12.0	2,295	2	V. STIF	97		0.62	1.25 (B)	
PL	140 x 12.0	427	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,392	2	H. STIF			0.39	0.78 (B)	
PL	140 x 12.0	1,326	2	H. STIF			0.37	0.74 (B)	
PL	140 x 12.0	1,276	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	427	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	311	1	H. STIF			0.09	0.09 (B)	
PL	2324 x 12.0	7,397	1	WEB	99		34.04	17.02 (A)	17.02 (B)
*=	-100	7,397	1				-0.74	-0.74 (A)	
*=	100	7,397	1				0.74	0.74 (U)	
PL	140 x 12.0	2,419	2	V. STIF	97		0.66	1.31 (B)	
PL	140 x 12.0	432	1	H. STIF			0.12	0.12 (B)	
PL	140 x 12.0	1,402	3	H. STIF			0.39	1.18 (B)	
PL	140 x 12.0	1,336	2	H. STIF			0.37	0.75 (B)	
PL	140 x 12.0	432	2	H. STIF			0.12	0.24 (B)	
PL	2456 x 12.0	7,449	1	WEB	99		36.22	18.11 (A)	18.11 (B)
*=	-100	7,449	1				-0.74	-0.74 (A)	
*=	100	7,449	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1817 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2454 x 9.0	2,190	1	DIA			10.75	10.75 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 14

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	2454	x 9.0	2,190	1	DIA			10.75	10.75 (B)
PL	121	x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449	x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140	x 12.0	1,411	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,534	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		44.25		0.00		
			B:		131.24		0.00		
			C:		3.69		0.00		
			D:		14.87		0.00		
			U:		21.60		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 18.0	7,386	1	U. FLG			36.25	18.13 (D)	18.13 (B)
*=	-125	7,386	4				-0.92	-3.69 (B)	
*=	125	7,386	4				0.92	3.69 (A)	
*=	-250	7,386	2				-1.85	-3.69 (D)	
*=	250	7,386	2				1.85	3.69 (C)	
PL	230 x 22.0	5,112	1	U. RIB			2.35	2.35 (B)	
PL	230 x 22.0	7,361	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	5,124	1	U. RIB			2.36	2.36 (B)	
PL	230 x 22.0	7,378	1	U. RIB			3.39	3.39 (B)	
PL	230 x 22.0	5,136	1	U. RIB			2.36	2.36 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 18.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	65	6	H. H		Z		0.00 (A)	
PL	2450 x 12.0	7,386	1	L. FLG			36.19	18.10 (U)	18.10 (B)
*=	-125	7,386	2				-0.92	-1.85 (B)	
*=	125	7,386	2				0.92	1.85 (U)	
*=	12	7,386	2				0.09	0.18 (U)	
PL	230 x 22.0	7,352	1	L. RIB			3.38	3.38 (A)	
PL	230 x 22.0	7,361	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,369	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,378	1	L. RIB			3.39	3.39 (B)	
PL	230 x 22.0	7,386	1	L. RIB			3.40	3.40 (B)	
PL	140 x 12.0	2,324	3	V. STIF			0.65	1.95 (B)	
PL	160 x 14.0	425	2	H. STIF			0.14	0.27 (B)	
PL	160 x 14.0	1,326	4	H. STIF			0.42	1.70 (B)	
PL	160 x 14.0	1,276	2	H. STIF			0.41	0.82 (B)	
PL	160 x 14.0	350	1	H. STIF			0.11	0.11 (B)	
PL	2324 x 14.0	7,394	1	WEB	99		34.02	17.01 (A)	17.01 (B)
*=	-100	7,394	1				-0.74	-0.74 (A)	
*=	100	7,394	1				0.74	0.74 (U)	
PL	140 x 12.0	2,448	3	V. STIF			0.69	2.06 (B)	
PL	160 x 14.0	430	2	H. STIF			0.14	0.28 (B)	
PL	160 x 14.0	1,336	4	H. STIF			0.43	1.71 (B)	
PL	160 x 14.0	1,402	2	H. STIF			0.45	0.90 (B)	
PL	160 x 14.0	355	1	H. STIF			0.11	0.11 (B)	
PL	2456 x 14.0	7,446	1	WEB	99		36.21	18.10 (A)	18.10 (B)
*=	-100	7,446	1				-0.74	-0.74 (A)	
*=	100	7,446	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1811 x 9.0	486	1	CB-W	98		1.73	1.73 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	918 x 9.0	486	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	502	1	BR-LF			0.25	0.25 (A)	
PL	2448 x 9.0	2,190	1	DIA			10.72	10.72 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,405	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,528	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 15

Form Size (mm)			Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Total			Color		O. P (m2)		S. P (m2)		
			A:		44.14		0.00		
			B:		120.93		0.00		
			C:		3.69		0.00		
			D:		14.65		0.00		
			U:		21.60		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 36.0	7,323	1	U. FLG			35.94	17.97 (D)	17.97 (B)
*=	-125	7,323	4				-0.92	-3.66 (B)	
*=	125	7,323	4				0.92	3.66 (A)	
*=	-250	7,323	2				-1.83	-3.66 (D)	
*=	250	7,323	2				1.83	3.66 (C)	
PL	230 x 22.0	7,297	1	U. RIB			3.36	3.36 (B)	
PL	230 x 22.0	7,314	1	U. RIB			3.36	3.36 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 36.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	100	6	H. H		Z		0.00 (A)	
PL	2450 x 24.0	7,323	1	L. FLG			35.88	17.94 (U)	17.94 (B)
*=	-125	7,323	2				-0.92	-1.83 (B)	
*=	125	7,323	2				0.92	1.83 (U)	
*=	24	7,323	2				0.18	0.35 (U)	
PL	230 x 22.0	7,289	1	L. RIB			3.35	3.35 (B)	
PL	230 x 22.0	7,297	1	L. RIB			3.36	3.36 (B)	
PL	230 x 22.0	7,306	1	L. RIB			3.36	3.36 (B)	
PL	230 x 22.0	7,314	1	L. RIB			3.36	3.36 (B)	
PL	230 x 22.0	7,322	1	L. RIB			3.37	3.37 (B)	
PL	140 x 12.0	2,306	2	V. STIF			0.65	1.29 (B)	
PL	160 x 14.0	361	1	H. STIF			0.12	0.12 (B)	
PL	160 x 14.0	1,326	1	H. STIF			0.42	0.42 (B)	
PL	160 x 14.0	1,276	1	H. STIF			0.41	0.41 (B)	
PL	160 x 14.0	1,251	1	H. STIF			0.40	0.40 (B)	
PL	160 x 14.0	1,301	1	H. STIF			0.42	0.42 (B)	
PL	2324 x 16.0	7,327	1	WEB	98		33.37	16.69 (A)	16.69 (B)
*=	-100	7,327	1				-0.73	-0.73 (A)	
*=	100	7,327	1				0.73	0.73 (U)	
PL	140 x 12.0	2,430	2	V. STIF			0.68	1.36 (B)	
PL	160 x 14.0	1,336	1	H. STIF			0.43	0.43 (B)	
PL	160 x 14.0	1,402	1	H. STIF			0.45	0.45 (B)	
PL	160 x 14.0	1,376	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,311	1	H. STIF			0.42	0.42 (B)	
PL	2456 x 16.0	7,379	1	WEB	98		35.52	17.76 (A)	17.76 (B)
*=	-100	7,379	1				-0.74	-0.74 (A)	
*=	100	7,379	1				0.74	0.74 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1810 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	918 x 9.0	484	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	2430 x 9.0	2,190	1	DIA			10.64	10.64 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,387	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,510	1	CR-STF			0.42	0.42 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 16

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,387	1	CR-STF			0.39	0.39 (B)
PL	140	x 12.0	1,510	1	CR-STF			0.42	0.42 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	40.06	0.00
	B:	118.32	0.00
	C:	3.66	0.00
	D:	14.53	0.00
	U:	21.59	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 39.0	8,169	1	U. FLG			40.09	20.05 (D)	20.05 (B)
*=	-125	8,169	4				-1.02	-4.08 (B)	
*=	125	8,169	4				1.02	4.08 (A)	
*=	-250	8,169	2				-2.04	-4.08 (D)	
*=	250	8,169	2				2.04	4.08 (C)	
PL	260 x 25.0	8,142	1	U. RIB			4.23	4.23 (B)	
PL	260 x 25.0	8,161	1	U. RIB			4.24	4.24 (B)	
RB	D 16	600	16	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 39.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	110	6	H. H		Z		0.00 (A)	
PL	2450 x 31.0	8,169	1	L. FLG			40.03	20.01 (U)	20.01 (B)
*=	-125	8,169	2				-1.02	-2.04 (B)	
*=	125	8,169	2				1.02	2.04 (U)	
*=	31	8,169	2				0.25	0.51 (U)	
PL	260 x 25.0	8,133	1	L. RIB			4.23	4.23 (B)	
PL	260 x 25.0	8,142	1	L. RIB			4.23	4.23 (B)	
PL	260 x 25.0	8,151	1	L. RIB			4.24	4.24 (B)	
PL	260 x 25.0	8,161	1	L. RIB			4.24	4.24 (B)	
PL	260 x 25.0	8,170	1	L. RIB			4.25	4.25 (B)	
PL	1210 x 38.0	1,210	1	SOLE		Z		0.00 (A)	
PL	120 x 22.0	2,190	2	RIB			0.53	1.05 (B)	
PL	350 x 10.0	2,190	2	RIB			1.53	3.07 (B)	
PL	50 x 6.0	365	1	DRAIN			0.04	0.04 (B)	
PL	50 x 6.0	354	4	DRAIN			0.04	0.14 (B)	
PL	50 x 6.0	359	1	DRAIN			0.04	0.04 (B)	
PL	75 x 22.0	75	2	DRAIN	79	Z		0.00 (A)	
PL	140 x 12.0	2,303	2	V. STIF			0.64	1.29 (B)	
PL	160 x 14.0	1,251	1	H. STIF			0.40	0.40 (B)	
PL	160 x 14.0	1,125	1	H. STIF			0.36	0.36 (B)	
PL	160 x 14.0	1,175	2	H. STIF			0.38	0.75 (B)	
PL	160 x 14.0	1,125	1	H. STIF			0.36	0.36 (B)	
PL	2324 x 16.0	8,167	1	WEB	98		37.20	18.60 (A)	18.60 (B)
*=	-100	8,167	1				-0.82	-0.82 (A)	
*=	100	8,167	1				0.82	0.82 (U)	
PL	140 x 12.0	2,427	2	V. STIF			0.68	1.36 (B)	
PL	160 x 14.0	1,368	1	H. STIF			0.44	0.44 (B)	
PL	160 x 14.0	1,241	1	H. STIF			0.40	0.40 (B)	
PL	160 x 14.0	1,184	2	H. STIF			0.38	0.76 (B)	
PL	160 x 14.0	1,250	1	H. STIF			0.40	0.40 (B)	
PL	2456 x 16.0	8,224	1	WEB	98		39.59	19.79 (A)	19.79 (B)
*=	-100	8,224	1				-0.82	-0.82 (A)	
*=	100	8,224	1				0.82	0.82 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1810 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	259	2	CB-HS			0.05	0.10 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1810 x 9.0	484	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	484	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	260	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	918 x 9.0	484	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	918 x 9.0	484	1	BR-W			0.89	0.89 (A)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	250 x 10.0	500	1	BR-LF			0.25	0.25 (A)
PL	2427 x 26.0	2,190	1	DIA			10.63	10.63 (B)
PL	730 x 20.0	1,030	2	M. H	43	Z		0.00 (A)
PL	112 x 12.0	300	2	D. FBF			0.07	0.13 (B)
PL	121 x 10.0	303	2	D. FBF			0.07	0.15 (B)
PL	280 x 28.0	2,061	4	S. STF			1.15	4.62 (B)
PL	2427 x 9.0	2,190	1	DIA			10.63	10.63 (B)
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140 x 12.0	1,384	1	CR-STF			0.39	0.39 (B)
PL	140 x 12.0	1,507	1	CR-STF			0.42	0.42 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)
PL	200 x 20.0	2,297	2	JACKUP			0.92	1.84 (B)
PL	200 x 20.0	2,297	2	JACKUP			0.92	1.84 (B)
PL	200 x 20.0	2,429	2	JACKUP			0.97	1.94 (B)
PL	200 x 20.0	2,429	2	JACKUP			0.97	1.94 (B)
PL	250 x 26.0	250	4	BASEPL		Z		0.00 (A)
Tota		Color		O. P (m2)		S. P (m2)		
		A:		47.68		0.00		
		B:		153.64		0.00		
		C:		4.08		0.00		
		D:		16.40		0.00		
		U:		24.20		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 22.0	8,257	1	U. FLG			40.53	20.26 (D)	20.26 (B)
*=	-125	8,257	4				-1.03	-4.13 (B)	
*=	125	8,257	4				1.03	4.13 (A)	
*=	-250	8,257	2				-2.06	-4.13 (D)	
*=	250	8,257	2				2.06	4.13 (C)	
PL	230 x 22.0	8,230	1	U. RIB			3.79	3.79 (B)	
PL	230 x 22.0	8,249	1	U. RIB			3.79	3.79 (B)	
PL	230 x 22.0	3,385	1	U. RIB			1.56	1.56 (B)	
PL	230 x 22.0	3,393	1	U. RIB			1.56	1.56 (B)	
PL	230 x 22.0	3,401	1	U. RIB			1.56	1.56 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 22.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	75	6	H. H		Z		0.00 (A)	
PL	2450 x 16.0	8,257	1	L. FLG			40.46	20.23 (U)	20.23 (B)
*=	-125	8,257	2				-1.03	-2.06 (B)	
*=	125	8,257	2				1.03	2.06 (U)	
*=	16	8,257	2				0.13	0.26 (U)	
PL	230 x 22.0	8,220	1	L. RIB			3.78	3.78 (B)	
PL	230 x 22.0	8,230	1	L. RIB			3.79	3.79 (B)	
PL	230 x 22.0	8,249	1	L. RIB			3.79	3.79 (B)	
PL	230 x 22.0	3,385	1	L. RIB			1.56	1.56 (B)	
PL	230 x 22.0	3,393	1	L. RIB			1.56	1.56 (B)	
PL	140 x 12.0	2,320	3	V. STIF			0.65	1.95 (B)	
PL	140 x 12.0	1,226	3	H. STIF			0.34	1.03 (B)	
PL	140 x 12.0	1,175	2	H. STIF			0.33	0.66 (B)	
PL	140 x 12.0	311	2	H. STIF			0.09	0.17 (B)	
PL	2324 x 14.0	8,251	1	WEB	99		37.97	18.98 (A)	18.98 (B)
*=	-100	8,251	1				-0.83	-0.83 (A)	
*=	100	8,251	1				0.83	0.83 (U)	
PL	140 x 12.0	2,444	3	V. STIF			0.68	2.05 (B)	
PL	140 x 12.0	1,235	3	H. STIF			0.35	1.04 (B)	
PL	140 x 12.0	1,300	2	H. STIF			0.36	0.73 (B)	
PL	140 x 12.0	315	2	H. STIF			0.09	0.18 (B)	
PL	2456 x 14.0	8,309	1	WEB	99		40.41	20.20 (A)	20.20 (B)
*=	-100	8,309	1				-0.83	-0.83 (A)	
*=	100	8,309	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1810 x 9.0	486	1	CB-W	98		1.72	1.72 (A)	
PL	250 x 12.0	486	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	261	2	CB-HS			0.05	0.10 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	918 x 9.0	486	1	BR-W			0.89	0.89 (A)	
PL	250 x 10.0	502	1	BR-LF			0.25	0.25 (A)	
PL	2444 x 9.0	2,190	1	DIA			10.70	10.70 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,401	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,524	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 18

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,401	1	CR-STF			0.39	0.39 (B)
PL	140	x 12.0	1,524	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	45.09	0.00
	B:	131.88	0.00
	C:	4.13	0.00
	D:	16.35	0.00
	U:	24.21	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 11.0	8,257	1	U. FLG			40.53	20.26 (D)	20.26 (B)
*=	-125	8,257	4				-1.03	-4.13 (B)	
*=	125	8,257	4				1.03	4.13 (A)	
*=	-250	8,257	2				-2.06	-4.13 (D)	
*=	250	8,257	2				2.06	4.13 (C)	
PL	190 x 19.0	8,220	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,229	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,238	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,248	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,257	1	U. RIB			3.14	3.14 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 11.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	50	6	H. H		Z		0.00 (A)	
PL	2450 x 10.0	8,257	1	L. FLG			40.46	20.23 (U)	20.23 (B)
*=	-125	8,257	2				-1.03	-2.06 (B)	
*=	125	8,257	2				1.03	2.06 (U)	
*=	10	8,257	2				0.08	0.17 (U)	
PL	190 x 19.0	7,504	1	L. RIB			2.85	2.85 (B)	
PL	190 x 19.0	8,229	1	L. RIB			3.13	3.13 (B)	
PL	190 x 19.0	7,521	1	L. RIB			2.86	2.86 (B)	
PL	190 x 19.0	8,248	1	L. RIB			3.13	3.13 (B)	
PL	190 x 19.0	7,538	1	L. RIB			2.86	2.86 (B)	
PL	140 x 12.0	2,331	2	V. STIF			0.65	1.31 (B)	
PL	140 x 12.0	2,296	1	V. STIF	97		0.62	0.62 (B)	
PL	140 x 12.0	375	2	H. STIF			0.10	0.21 (B)	
PL	140 x 12.0	1,291	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,175	2	H. STIF			0.33	0.66 (B)	
PL	140 x 12.0	1,226	3	H. STIF			0.34	1.03 (B)	
PL	140 x 12.0	376	1	H. STIF			0.11	0.11 (B)	
PL	2325 x 12.0	8,248	1	WEB	99		37.97	18.98 (A)	18.98 (B)
*=	-100	8,248	1				-0.82	-0.82 (A)	
*=	100	8,248	1				0.82	0.82 (U)	
PL	140 x 12.0	2,455	2	V. STIF			0.69	1.37 (B)	
PL	140 x 12.0	2,420	1	V. STIF	97		0.66	0.66 (B)	
PL	140 x 12.0	379	2	H. STIF			0.11	0.21 (B)	
PL	140 x 12.0	1,300	5	H. STIF			0.36	1.82 (B)	
PL	140 x 12.0	1,235	3	H. STIF			0.35	1.04 (B)	
PL	140 x 12.0	381	1	H. STIF			0.11	0.11 (B)	
PL	2457 x 12.0	8,305	1	WEB	99		40.40	20.20 (A)	20.20 (B)
*=	-100	8,305	1				-0.83	-0.83 (A)	
*=	100	8,305	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1818 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1818 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 19

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	2455	x 9.0	2,190	1	DIA			10.75	10.75 (B)
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)
PL	2455	x 9.0	2,190	1	DIA			10.75	10.75 (B)
PL	121	x 12.0	300	2	D.FBF			0.07	0.15 (B)
PL	121	x 10.0	300	2	D.FBF			0.07	0.15 (B)
PL	100	x 10.0	900	2	D.HS			0.18	0.36 (B)
PL	90	x 10.0	1,040	2	D.VS			0.19	0.37 (B)
PL	449	x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140	x 12.0	1,412	1	CR-STF			0.40	0.40 (B)
PL	140	x 12.0	1,535	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		48.57		0.00		
			B:		143.82		0.00		
			C:		4.13		0.00		
			D:		16.58		0.00		
			U:		24.11		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 15.0	8,257	1	U. FLG			40.53	20.26 (D)	20.26 (B)
*=	-125	8,257	4				-1.03	-4.13 (B)	
*=	125	8,257	4				1.03	4.13 (A)	
*=	-250	8,257	2				-2.06	-4.13 (D)	
*=	250	8,257	2				2.06	4.13 (C)	
PL	190 x 19.0	8,219	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,229	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,238	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,247	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,256	1	U. RIB			3.14	3.14 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 15.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,257	1	L. FLG			40.46	20.23 (U)	20.23 (B)
*=	-125	8,257	2				-1.03	-2.06 (B)	
*=	125	8,257	2				1.03	2.06 (U)	
*=	18	8,257	2				0.15	0.30 (U)	
PL	190 x 19.0	8,228	1	L. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,247	1	L. RIB			3.13	3.13 (B)	
PL	140 x 12.0	2,292	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	375	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,226	3	H. STIF			0.34	1.03 (B)	
PL	140 x 12.0	1,291	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	311	1	H. STIF			0.09	0.09 (B)	
PL	2324 x 12.0	8,244	1	WEB	99		37.93	18.97 (A)	18.97 (B)
*=	-100	8,244	1				-0.82	-0.82 (A)	
*=	100	8,244	1				0.82	0.82 (U)	
PL	140 x 12.0	2,416	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	379	1	H. STIF			0.11	0.11 (B)	
PL	140 x 12.0	1,235	3	H. STIF			0.35	1.04 (B)	
PL	140 x 12.0	1,300	2	H. STIF			0.36	0.73 (B)	
PL	140 x 12.0	315	1	H. STIF			0.09	0.09 (B)	
PL	2456 x 12.0	8,301	1	WEB	99		40.37	20.18 (A)	20.18 (B)
*=	-100	8,301	1				-0.83	-0.83 (A)	
*=	100	8,301	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1814 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2451 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,408	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,531	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,408	1	CR-STF			0.39	0.39 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 20

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,531	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		45.08		0.00		
			B:		126.99		0.00		
			C:		4.13		0.00		
			D:		16.35		0.00		
			U:		24.25		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 15.0	8,257	1	U. FLG			40.53	20.26 (D)	20.26 (B)
*=	-125	8,257	4				-1.03	-4.13 (B)	
*=	125	8,257	4				1.03	4.13 (A)	
*=	-250	8,257	2				-2.06	-4.13 (D)	
*=	250	8,257	2				2.06	4.13 (C)	
PL	190 x 19.0	8,219	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,228	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,238	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,247	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,256	1	U. RIB			3.14	3.14 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 15.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,257	1	L. FLG			40.46	20.23 (U)	20.23 (B)
*=	-125	8,257	2				-1.03	-2.06 (B)	
*=	125	8,257	2				1.03	2.06 (U)	
*=	18	8,257	2				0.15	0.30 (U)	
PL	190 x 19.0	8,228	1	L. RIB			3.13	3.13 (U)	
PL	190 x 19.0	8,247	1	L. RIB			3.13	3.13 (B)	
PL	140 x 12.0	2,292	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	375	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,291	3	H. STIF			0.36	1.08 (B)	
PL	140 x 12.0	1,226	2	H. STIF			0.34	0.69 (B)	
PL	140 x 12.0	376	1	H. STIF			0.11	0.11 (B)	
PL	2324 x 12.0	8,241	1	WEB	99		37.92	18.96 (A)	18.96 (B)
*=	-100	8,241	1				-0.82	-0.82 (A)	
*=	100	8,241	1				0.82	0.82 (U)	
PL	140 x 12.0	2,416	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	379	1	H. STIF			0.11	0.11 (B)	
PL	140 x 12.0	1,300	3	H. STIF			0.36	1.09 (B)	
PL	140 x 12.0	1,235	2	H. STIF			0.35	0.69 (B)	
PL	140 x 12.0	381	1	H. STIF			0.11	0.11 (B)	
PL	2456 x 12.0	8,297	1	WEB	99		40.35	20.17 (A)	20.17 (B)
*=	-100	8,297	1				-0.83	-0.83 (A)	
*=	100	8,297	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1814 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1814 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2451 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	2451 x 9.0	2,190	1	DIA			10.74	10.74 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)
PL	140 x 12.0	1,408	1	CR-STF			0.39	0.39 (B)
PL	140 x 12.0	1,531	1	CR-STF			0.43	0.43 (B)
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)

Tota	Color	O. P (m2)	S. P (m2)
	A:	48.52	0.00
	B:	129.62	0.00
	C:	4.13	0.00
	D:	16.58	0.00
	U:	27.37	0.00

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 15.0	8,257	1	U. FLG			40.53	20.26 (D)	20.26 (B)
*=	-125	8,257	4				-1.03	-4.13 (B)	
*=	125	8,257	4				1.03	4.13 (A)	
*=	-250	8,257	2				-2.06	-4.13 (D)	
*=	250	8,257	2				2.06	4.13 (C)	
PL	190 x 19.0	8,219	1	U. RIB			3.12	3.12 (B)	
PL	190 x 19.0	8,228	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,238	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,247	1	U. RIB			3.13	3.13 (B)	
PL	190 x 19.0	8,256	1	U. RIB			3.14	3.14 (B)	
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	300 x 9.0	300	1	H. H	79	Z		0.00 (A)	
PL	340 x 15.0	340	1	H. H	57	Z		0.00 (A)	
B. N	M 16	60	6	H. H		Z		0.00 (A)	
PL	2450 x 18.0	8,257	1	L. FLG			40.46	20.23 (U)	20.23 (B)
*=	-125	8,257	2				-1.03	-2.06 (B)	
*=	125	8,257	2				1.03	2.06 (U)	
*=	18	8,257	2				0.15	0.30 (U)	
PL	190 x 19.0	8,228	1	L. RIB			3.13	3.13 (U)	
PL	190 x 19.0	8,247	1	L. RIB			3.13	3.13 (B)	
PL	140 x 12.0	2,292	3	V. STIF	97		0.62	1.87 (B)	
PL	140 x 12.0	375	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,226	3	H. STIF			0.34	1.03 (B)	
PL	140 x 12.0	1,291	2	H. STIF			0.36	0.72 (B)	
PL	140 x 12.0	311	1	H. STIF			0.09	0.09 (B)	
PL	2324 x 12.0	8,240	1	WEB	99		37.92	18.96 (A)	18.96 (B)
*=	-100	8,240	1				-0.82	-0.82 (A)	
*=	100	8,240	1				0.82	0.82 (U)	
PL	140 x 12.0	2,416	3	V. STIF	97		0.66	1.97 (B)	
PL	140 x 12.0	379	1	H. STIF			0.11	0.11 (B)	
PL	140 x 12.0	1,235	3	H. STIF			0.35	1.04 (B)	
PL	140 x 12.0	1,300	2	H. STIF			0.36	0.73 (B)	
PL	140 x 12.0	315	1	H. STIF			0.09	0.09 (B)	
PL	2456 x 12.0	8,297	1	WEB	99		40.35	20.17 (A)	20.17 (B)
*=	-100	8,297	1				-0.83	-0.83 (A)	
*=	100	8,297	1				0.83	0.83 (U)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1814 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2451 x 9.0	2,190	1	DIA			10.74	10.74 (B)	
PL	121 x 12.0	300	2	D. FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D. FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D. HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D. VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,408	1	CR-STF			0.39	0.39 (B)	
PL	140 x 12.0	1,531	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,408	1	CR-STF			0.39	0.39 (B)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 22

Form	Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	140	x 12.0	1,531	1	CR-STF			0.43	0.43 (B)
PL	450	x 9.0	2,190	1	CR-W			1.97	1.97 (B)
PL	150	x 10.0	2,195	1	CR-F			0.66	0.66 (B)
PL	150	x 10.0	2,190	1	CR-F			0.66	0.66 (B)
Tota			Color		O. P (m2)		S. P (m2)		
			A:		45.06		0.00		
			B:		123.85		0.00		
			C:		4.13		0.00		
			D:		16.35		0.00		
			U:		27.37		0.00		

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	2454 x 11.0	8,176	1	U. FLG			40.13	20.06 (D)	20.06 (B)
*=	-2454	1,100	1				-2.70	-2.70 (D)	
*=	2454	1,100	1				2.70	2.70 (C)	
*=	-250	7,076	2				-1.77	-3.54 (D)	
*=	250	7,076	2				1.77	3.54 (C)	
*=	-125	8,176	2				-1.02	-2.04 (B)	
*=	125	4,776	2				0.60	1.19 (A)	
*=	125	3,400	2				0.43	0.85 (U)	
PL	190 x 19.0	8,134	1	U. RIB			3.09	2.84 (B)	0.25 (U)
PL	190 x 19.0	8,143	1	U. RIB			3.09	2.85 (B)	0.25 (U)
PL	190 x 19.0	8,153	1	U. RIB			3.10	2.85 (B)	0.25 (U)
PL	190 x 19.0	8,162	1	U. RIB			3.10	2.85 (B)	0.25 (U)
PL	190 x 19.0	8,171	1	U. RIB			3.11	2.86 (B)	0.22 (U)
RB	D 16	600	18	S. ANC		Z		0.00 (A)	
PL	2450 x 10.0	8,176	1	L. FLG			40.06	20.03 (U)	20.03 (B)
*=	-125	8,176	2				-1.02	-2.04 (B)	
*=	125	8,176	2				1.02	2.04 (U)	
*=	10	8,176	2				0.08	0.16 (U)	
PL	190 x 19.0	8,143	1	L. RIB			3.09	2.85 (B)	0.25 (U)
PL	190 x 19.0	8,162	1	L. RIB			3.10	2.85 (B)	0.25 (U)
PL	190 x 19.0	3,296	1	L. RIB			1.25	1.03 (B)	0.23 (U)
PL	190 x 19.0	3,303	1	L. RIB			1.26	1.03 (B)	0.23 (U)
PL	190 x 19.0	3,310	1	L. RIB			1.26	1.03 (B)	0.23 (U)
PL	810 x 28.0	760	1	SOLE		Z		0.00 (A)	
PL	120 x 14.0	2,190	2	RIB			0.53	0.53 (B)	0.53 (U)
PL	350 x 10.0	2,190	2	RIB			1.53	1.53 (B)	1.53 (U)
PL	140 x 12.0	2,296	2	V. STIF	97		0.62	1.25 (B)	
PL	140 x 12.0	375	1	H. STIF			0.10	0.10 (B)	
PL	140 x 12.0	1,291	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,292	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,227	2	H. STIF			0.34	0.69 (B)	
PL	140 x 12.0	1,291	1	H. STIF			0.36	0.36 (B)	
PL	2324 x 12.0	8,159	1	WEB	99		37.54	18.77 (A)	18.77 (B)
*=	-2324	3,400	1				-7.90	-7.90 (A)	
*=	2324	3,400	1				7.90	7.90 (U)	
*=	-2324	600	1				-1.39	-1.39 (B)	
*=	2324	600	1				1.39	1.39 (U)	
*=	-100	4,759	1				-0.48	-0.48 (A)	
*=	100	4,759	1				0.48	0.48 (U)	
PL	140 x 12.0	2,420	2	V. STIF	97		0.66	1.31 (B)	
PL	140 x 12.0	379	1	H. STIF			0.11	0.11 (B)	
PL	140 x 12.0	1,300	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,303	1	H. STIF			0.36	0.36 (B)	
PL	140 x 12.0	1,237	2	H. STIF			0.35	0.69 (B)	
PL	140 x 12.0	1,301	1	H. STIF			0.36	0.36 (B)	
PL	2456 x 12.0	8,216	1	WEB	99		39.95	19.98 (A)	19.98 (B)
*=	-2456	3,400	1				-8.35	-8.35 (A)	
*=	2456	3,400	1				8.35	8.35 (U)	
*=	-2456	600	1				-1.47	-1.47 (B)	
*=	2456	600	1				1.47	1.47 (U)	
*=	-100	4,816	1				-0.48	-0.48 (A)	
*=	100	4,816	1				0.48	0.48 (U)	
PL	420 x 16.0	371	1	CB-UF	87		0.27	0.14 (U)	0.14 (C)
PL	1818 x 9.0	488	1	CB-W	98		1.74	1.74 (U)	
PL	320 x 16.0	488	1	CB-LF	99		0.31	0.31 (U)	
PL	100 x 10.0	264	2	CB-HS			0.05	0.11 (U)	

<MAIN STRUCTURE><GIRDER> Block:G2 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	350 x 12.0	370	1	CB-UF	85		0.22	0.11 (D)	0.11 (A)
PL	1818 x 9.0	488	1	CB-W	98		1.74	1.74 (A)	
PL	250 x 12.0	488	1	CB-LF			0.24	0.24 (A)	
PL	100 x 10.0	263	2	CB-HS			0.05	0.11 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (A)	
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	505	1	BR-LF			0.25	0.25 (A)	
PL	350 x 10.0	371	1	BR-UF	85		0.22	0.11 (D)	0.11 (A)
PL	919 x 9.0	488	1	BR-W			0.90	0.90 (A)	
PL	250 x 10.0	504	1	BR-LF			0.25	0.25 (A)	
PL	2455 x 12.0	2,190	1	DIA			10.75	5.38 (U)	5.38 (B)
PL	154 x 16.0	300	2	D.FBF			0.09	0.09 (U)	0.09 (B)
PL	119 x 10.0	300	1	D.FBF			0.07	0.04 (U)	0.04 (B)
PL	119 x 10.0	300	1	D.FBF			0.07	0.04 (U)	0.04 (B)
PL	160 x 16.0	2,089	4	S.STF			0.67	1.34 (U)	1.34 (B)
PL	700 x 12.0	1,000	2	M.H	43	Z		0.00 (A)	
PL	480 x 9.0	680	1	M.H	83	Z		0.00 (A)	
PL	150 x 9.0	400	2	M.H	80		0.10	0.19 (B)	
PL	80 x 9.0	110	2	M.H			0.02	0.04 (B)	
RB	D 13	310	1	M.H		Z		0.00 (A)	
B.N	M 16	40	4	M.H		Z		0.00 (A)	
SP5	20A	280	1	M.H		Z		0.00 (A)	
WPIN	5.0	36	2	M.H		Z		0.00 (A)	
PL	2455 x 9.0	2,190	1	DIA			10.75	10.75 (B)	
PL	121 x 12.0	300	2	D.FBF			0.07	0.15 (B)	
PL	121 x 10.0	300	2	D.FBF			0.07	0.15 (B)	
PL	100 x 10.0	900	2	D.HS			0.18	0.36 (B)	
PL	90 x 10.0	1,040	2	D.VS			0.19	0.37 (B)	
PL	449 x 9.0	2,221	1	CR-W	98		1.95	1.95 (B)	
PL	140 x 12.0	1,412	1	CR-STF			0.40	0.40 (B)	
PL	140 x 12.0	1,535	1	CR-STF			0.43	0.43 (B)	
PL	450 x 9.0	2,190	1	CR-W			1.97	1.97 (B)	
PL	150 x 10.0	2,195	1	CR-F			0.66	0.66 (B)	
PL	150 x 10.0	2,190	1	CR-F			0.66	0.66 (B)	
PL	200 x 14.0	2,325	2	JACKUP			0.93	1.86 (B)	
PL	200 x 14.0	2,457	2	JACKUP			0.98	1.97 (B)	
PL	250 x 24.0	250	1	BASEPL		Z		0.00 (A)	
PL	250 x 24.0	250	1	BASEPL		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		27.45		0.00			
		B:		132.09		0.00			
		C:		6.37		0.00			
		D:		14.05		0.00			
		U:		56.77		0.00			

<MAIN STRUCTURE><GIRDER> Block:G2 HANG 1

Form	Size (mm)			Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100	x	9.0	120	300	HANG			0.02	7.20 (A)
PL	100	x	9.0	270	400	HANG			0.05	21.60 (A)
Total				ColorA			0. P (m2)		S. P (m2)	
				:			28.80		0.00	

<MAIN STRUCTURE><GIRDER> Block:G2 DRAIN 1

Form	Size (mm)			Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
L	40	x	40 x 3.0	800	1	U. FLG		Z		0.00 (A)
PL	65	x	6.0	320	1	U. FLG		Z		0.00 (A)
PL	25	x	4.5	1,750	1	U. FLG			0.09	0.09 (D)
Total				Color			0. P (m2)		S. P (m2)	
				D:			0.09		0.00	
22SET Total				D:			1.93		0.00	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 6.0	240	1	FILL		J	1.17	1.17 (J)	
*=	6	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2303 x 9.0	480	1	W. SPL		D	2.21	1.11 (B)	
*=	2303	480	1			J	1.11	2.21 (J)	
*=	9	5,566	1			J	0.05	0.05 (B)	
PL	2303 x 9.0	480	1	W. SPL		D	2.21	1.11 (A)	
*=	2303	480	1			J	1.11	2.21 (J)	
*=	9	5,566	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2240 x 9.0	480	1	W. SPL		D	2.15	1.08 (B)	
*=	2240	480	1			J	1.08	2.15 (J)	
*=	9	5,440	1			J	0.05	0.05 (B)	
PL	2240 x 9.0	480	1	W. SPL		D	2.15	1.08 (A)	
*=	2240	480	1			J	1.08	2.15 (J)	
*=	9	5,440	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	700	10	UR. SPL		D	0.16	0.81 (B)	
*=	115	700	10			J	0.08	1.61 (J)	
*=	16	1,630	10			J	0.03	0.26 (B)	
TCB	M 22	90	50	U. RIB		J	5.06	0.25 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 1

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.35
	B:	-4.92	5.58
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.52
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	20.23
	U:	-1.25	1.35

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (A)	
PL	305 x 10.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	9	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2298 x 9.0	480	1	W. SPL		D	2.21	1.10 (B)	
*=	2298	480	1			J	1.10	2.21 (J)	
*=	9	5,556	1			J	0.05	0.05 (B)	
PL	2298 x 9.0	480	1	W. SPL		D	2.21	1.10 (A)	
*=	2298	480	1			J	1.10	2.21 (J)	
*=	9	5,556	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2245 x 9.0	480	1	W. SPL		D	2.16	1.08 (B)	
*=	2245	480	1			J	1.08	2.16 (J)	
*=	9	5,450	1			J	0.05	0.05 (B)	
PL	2245 x 9.0	480	1	W. SPL		D	2.16	1.08 (A)	
*=	2245	480	1			J	1.08	2.16 (J)	
*=	9	5,450	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.26	2.38
	B:	-5.63	6.37
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	2.99

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 2

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.40
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (A)	
PL	305 x 10.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	9	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2293 x 9.0	480	1	W. SPL		D	2.20	1.10 (B)	
*=	2293	480	1			J	1.10	2.20 (J)	
*=	9	5,546	1			J	0.05	0.05 (B)	
PL	2293 x 9.0	480	1	W. SPL		D	2.20	1.10 (A)	
*=	2293	480	1			J	1.10	2.20 (J)	
*=	9	5,546	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2251 x 9.0	480	1	W. SPL		D	2.16	1.08 (B)	
*=	2251	480	1			J	1.08	2.16 (J)	
*=	9	5,461	1			J	0.05	0.05 (B)	
PL	2251 x 9.0	480	1	W. SPL		D	2.16	1.08 (A)	
*=	2251	480	1			J	1.08	2.16 (J)	
*=	9	5,461	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	960	4	LR. SPL		D	0.22	0.44 (B)	
*=	115	960	4			J	0.11	0.88 (J)	
*=	19	2,150	4			J	0.04	0.16 (B)	
TCB	M 22	95	28	L. RIB		J	5.06	0.14 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.26	2.38
	B:	-5.70	6.45
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	3.01

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 3

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.53
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 3.2	165	2	FILL		J	0.03	0.05 (J)	
*=	3	490	2			J	0.00	0.00 (B)	
PL	305 x 3.2	165	6	FILL		J	0.10	0.60 (J)	
*=	3	940	6			J	0.00	0.02 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 6.0	240	1	FILL		J	1.17	1.17 (J)	
*=	6	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	70	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2284 x 9.0	480	1	W. SPL		D	2.19	1.10 (B)	
*=	2284	480	1			J	1.10	2.19 (J)	
*=	9	5,528	1			J	0.05	0.05 (B)	
PL	2284 x 9.0	480	1	W. SPL		D	2.19	1.10 (A)	
*=	2284	480	1			J	1.10	2.19 (J)	
*=	9	5,528	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2259 x 9.0	480	1	W. SPL		D	2.17	1.08 (B)	
*=	2259	480	1			J	1.08	2.17 (J)	
*=	9	5,479	1			J	0.05	0.05 (B)	
PL	2259 x 9.0	480	1	W. SPL		D	2.17	1.08 (A)	
*=	2259	480	1			J	1.08	2.17 (J)	
*=	9	5,479	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 4

Total	Color	O. P (m2)	S. P (m2)
	A:	-2. 23	2. 35
	B:	-5. 06	5. 76
	C:	-0. 16	0. 16
	D:	-0. 64	0. 69
	E:	0. 00	0. 28
	F:	0. 00	2. 57
	G:	0. 00	0. 01
	I:	0. 00	0. 15
	J:	0. 00	20. 53
	U:	-1. 25	1. 35

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 9.0	165	2	FILL		J	0.03	0.05 (J)	
*=	9	490	2			J	0.00	0.01 (B)	
PL	305 x 9.0	165	6	FILL		J	0.10	0.60 (J)	
*=	9	940	6			J	0.01	0.05 (B)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	75	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 4.5	165	1	FILL		J	0.81	0.81 (J)	
*=	5	5,210	1			J	0.03	0.03 (U)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2268 x 9.0	480	1	W. SPL		D	2.18	1.09 (B)	
*=	2268	480	1			J	1.09	2.18 (J)	
*=	9	5,496	1			J	0.05	0.05 (B)	
PL	2268 x 9.0	480	1	W. SPL		D	2.18	1.09 (A)	
*=	2268	480	1			J	1.09	2.18 (J)	
*=	9	5,496	1			J	0.05	0.05 (A)	
PL	2261 x 2.3	240	1	FILL		J	1.09	1.09 (J)	
*=	2	5,002	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2262 x 9.0	480	1	W. SPL		D	2.17	1.09 (B)	
*=	2262	480	1			J	1.09	2.17 (J)	
*=	9	5,483	1			J	0.05	0.05 (B)	
PL	2262 x 9.0	480	1	W. SPL		D	2.17	1.09 (A)	
*=	2262	480	1			J	1.09	2.17 (J)	
*=	9	5,483	1			J	0.05	0.05 (A)	
PL	2254 x 2.3	240	1	FILL		J	1.08	1.08 (J)	
*=	2	4,988	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 19.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	19	1,890	20			J	0.04	0.72 (B)	
PL	115 x 3.2	415	10	FILL		J	0.10	0.95 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,060	10			J	0.00	0.03 (B)
TCB	M 22	95	60	U. RIB		J	5.06	0.30 (F)
PL	115 x 19.0	830	10	LR. SPL		D	0.19	0.95 (B)
*=	115	830	10			J	0.10	1.91 (J)
PL	115 x 3.2	415	10	FILL		J	0.10	0.95 (J)
*=	3	1,060	10			J	0.00	0.03 (B)
TCB	M 22	95	60	L. RIB		J	5.06	0.30 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.29	6.39
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.71
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	23.90
	U:	-0.86	0.95

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 15.0	630	1	UF. SPL		D	0.10	0.05 (A)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	15	1,420	2			J	0.02	0.04 (A)	
PL	656 x 15.0	630	3	UF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	15	2,572	3			J	0.04	0.12 (B)	
PL	80 x 15.0	630	1	UF. SPL		D	0.10	0.05 (A)	
*=	80	630	1			J	0.05	0.10 (J)	
PL	2440 x 12.0	630	1	UF. SPL		D	3.07	1.23 (D)	0.31 (C)
*=	2440	630	1			J	1.54	3.07 (J)	
*=	12	6,140	1			J	0.07	0.07 (D)	
PL	80 x 16.0	315	2	FILL		J	0.05	0.10 (J)	
*=	16	790	2			J	0.01	0.03 (B)	
PL	656 x 16.0	315	3	FILL		J	0.41	1.24 (J)	
*=	16	1,942	3			J	0.03	0.09 (B)	
TCB	M 22	100	8	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	100	150	U. FLG		J	5.06	0.76 (F)	
TCB	M 22	100	8	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (U)	
PL	305 x 10.0	480	6	LF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 14.0	240	1	FILL		J	1.17	1.17 (J)	
*=	14	5,360	1			J	0.08	0.08 (U)	
TCB	M 22	85	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	85	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	85	144	L. FLG		J	5.06	0.12 (I)	0.60 (F)
PL	2247 x 9.0	630	1	W. SPL		D	2.83	1.42 (B)	
*=	2247	630	1			J	1.42	2.83 (J)	
*=	9	5,753	1			J	0.05	0.05 (B)	
PL	2247 x 9.0	630	1	W. SPL		D	2.83	1.42 (A)	
*=	2247	630	1			J	1.42	2.83 (J)	
*=	9	5,753	1			J	0.05	0.05 (A)	
PL	2238 x 2.3	315	1	FILL		J	1.41	1.41 (J)	
*=	2	5,105	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2258 x 9.0	630	1	W. SPL		D	2.85	1.42 (B)	
*=	2258	630	1			J	1.42	2.85 (J)	
*=	9	5,777	1			J	0.05	0.05 (B)	
PL	2258 x 9.0	630	1	W. SPL		D	2.85	1.42 (A)	
*=	2258	630	1			J	1.42	2.85 (J)	
*=	9	5,777	1			J	0.05	0.05 (A)	
PL	2249 x 2.3	315	1	FILL		J	1.42	1.42 (J)	
*=	2	5,128	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,090	7			J	0.00	0.02 (B)
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)
*=	155	780	10			J	0.12	2.42 (J)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.94	3.09
	B:	-6.65	7.64
	C:	-0.31	0.31
	D:	-1.23	1.30
	E:	0.00	0.40
	F:	0.00	3.68
	G:	0.00	0.01
	I:	0.00	0.18
	J:	0.00	30.93
	U:	-1.25	1.40

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 24.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
*=	24	2,320	2			J	0.06	0.11 (A)	
PL	656 x 24.0	1,080	3	UF. SPL		D	1.42	2.13 (B)	
*=	656	1,080	3			J	0.71	4.25 (J)	
*=	24	3,472	3			J	0.08	0.25 (B)	
PL	80 x 24.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
PL	2440 x 20.0	1,080	1	UF. SPL		D	5.27	2.11 (D)	0.53 (C)
*=	2440	1,080	1			J	2.64	5.27 (J)	
*=	20	7,040	1			J	0.14	0.14 (D)	
PL	80 x 2.3	540	2	FILL		J	0.09	0.17 (J)	
*=	2	1,240	2			J	0.00	0.00 (B)	
PL	656 x 2.3	540	3	FILL		J	0.71	2.13 (J)	
*=	2	2,392	3			J	0.00	0.01 (B)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
TCB	M 22	115	276	U. FLG		J	5.06	1.40 (F)	
TCB	M 22	115	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
PL	2440 x 13.0	780	1	LF. SPL		D	3.81	1.90 (U)	
*=	2440	780	1			J	1.90	3.81 (J)	
*=	13	6,440	1			J	0.08	0.08 (U)	
PL	80 x 15.0	780	1	LF. SPL		D	0.12	0.06 (U)	
*=	80	780	1			J	0.06	0.12 (J)	
*=	15	1,720	2			J	0.03	0.05 (U)	
PL	305 x 15.0	780	6	LF. SPL		D	0.48	1.43 (B)	
*=	305	780	6			J	0.24	2.85 (J)	
*=	15	2,170	6			J	0.03	0.20 (B)	
PL	80 x 15.0	780	1	LF. SPL		D	0.12	0.06 (U)	
*=	80	780	1			J	0.06	0.12 (J)	
PL	2440 x 7.0	390	1	FILL		J	1.90	1.90 (J)	
*=	7	5,660	1			J	0.04	0.04 (U)	
TCB	M 22	95	10	L. FLG		J	5.06	0.05 (I)	
TCB	M 22	95	10	L. FLG		J	5.06	0.05 (I)	
TCB	M 22	95	240	L. FLG		J	5.06	0.21 (I)	1.01 (F)
PL	2241 x 10.0	780	1	W. SPL		D	3.50	1.75 (B)	
*=	2241	780	1			J	1.75	3.50 (J)	
*=	10	6,042	1			J	0.06	0.06 (B)	
PL	2241 x 10.0	780	1	W. SPL		D	3.50	1.75 (A)	
*=	2241	780	1			J	1.75	3.50 (J)	
*=	10	6,042	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	2271 x 10.0	780	1	W. SPL		D	3.54	1.77 (B)	
*=	2271	780	1			J	1.77	3.54 (J)	
*=	10	6,101	1			J	0.06	0.06 (B)	
PL	2271 x 10.0	780	1	W. SPL		D	3.54	1.77 (A)	
*=	2271	780	1			J	1.77	3.54 (J)	
*=	10	6,101	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	
*=	3	1,090	7			J	0.00	0.02 (B)	
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)	
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-3.69	3.92
	B:	-8.76	9.89
	C:	-0.53	0.53
	D:	-2.11	2.25
	E:	0.00	0.53
	F:	0.00	5.13
	G:	0.00	0.02
	I:	0.00	0.31
	J:	0.00	39.29
	U:	-2.03	2.20

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	12	1,120	2			J	0.01	0.03 (A)	
PL	656 x 12.0	480	3	UF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	12	2,272	3			J	0.03	0.08 (B)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 10.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	10	5,840	1			J	0.06	0.06 (D)	
PL	80 x 17.0	240	2	FILL		J	0.04	0.08 (J)	
*=	17	640	2			J	0.01	0.02 (B)	
PL	656 x 17.0	240	3	FILL		J	0.31	0.94 (J)	
*=	17	1,792	3			J	0.03	0.09 (B)	
TCB	M 22	95	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	95	108	U. FLG		J	5.06	0.55 (F)	
TCB	M 22	95	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 10.0	165	1	FILL		J	0.81	0.81 (J)	
*=	10	5,210	1			J	0.05	0.05 (U)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	75	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2230 x 9.0	630	1	W. SPL		D	2.81	1.40 (B)	
*=	2230	630	1			J	1.40	2.81 (J)	
*=	9	5,720	1			J	0.05	0.05 (B)	
PL	2230 x 9.0	630	1	W. SPL		D	2.81	1.40 (A)	
*=	2230	630	1			J	1.40	2.81 (J)	
*=	9	5,720	1			J	0.05	0.05 (A)	
PL	2222 x 2.3	315	1	FILL		J	1.40	1.40 (J)	
*=	2	5,073	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2276 x 9.0	630	1	W. SPL		D	2.87	1.43 (B)	
*=	2276	630	1			J	1.43	2.87 (J)	
*=	9	5,811	1			J	0.05	0.05 (B)	
PL	2276 x 9.0	630	1	W. SPL		D	2.87	1.43 (A)	
*=	2276	630	1			J	1.43	2.87 (J)	
*=	9	5,811	1			J	0.05	0.05 (A)	
PL	2267 x 2.3	315	1	FILL		J	1.43	1.43 (J)	
*=	2	5,165	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	630	4	UR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	U. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	155 x 19.0	630	10	LR. SPL		D	0.20	0.98 (B)
*=	155	630	10			J	0.10	1.95 (J)
*=	19	1,570	10			J	0.03	0.30 (B)
TCB	M 22	95	80	L. RIB		J	5.06	0.40 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.92	3.05
	B:	-5.75	6.58
	C:	-0.23	0.23
	D:	-0.94	1.00
	E:	0.00	0.38
	F:	0.00	3.13
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	26.05
	U:	-0.86	0.97

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 6.0	165	2	FILL		J	0.03	0.05 (J)	
*=	6	490	2			J	0.00	0.01 (B)	
PL	305 x 6.0	165	6	FILL		J	0.10	0.60 (J)	
*=	6	940	6			J	0.01	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2233 x 9.0	480	1	W. SPL		D	2.14	1.07 (B)	
*=	2233	480	1			J	1.07	2.14 (J)	
*=	9	5,427	1			J	0.05	0.05 (B)	
PL	2233 x 9.0	480	1	W. SPL		D	2.14	1.07 (A)	
*=	2233	480	1			J	1.07	2.14 (J)	
*=	9	5,427	1			J	0.05	0.05 (A)	
PL	2227 x 2.3	240	1	FILL		J	1.07	1.07 (J)	
*=	2	4,935	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2297 x 9.0	480	1	W. SPL		D	2.21	1.10 (B)	
*=	2297	480	1			J	1.10	2.21 (J)	
*=	9	5,554	1			J	0.05	0.05 (B)	
PL	2297 x 9.0	480	1	W. SPL		D	2.21	1.10 (A)	
*=	2297	480	1			J	1.10	2.21 (J)	
*=	9	5,554	1			J	0.05	0.05 (A)	
PL	2291 x 2.3	240	1	FILL		J	1.10	1.10 (J)	
*=	2	5,062	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 22.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	22	1,570	20			J	0.03	0.69 (B)	
TCB	M 22	105	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	10	LR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 9

Form Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
TCB	M 22	105	80	L. RIB		J	5.06	0.40 (F)

Total	Color	0. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.33	6.32
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.91
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	21.28
	U:	-0.86	0.92

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 3.2	165	2	FILL		J	0.03	0.05 (J)	
*=	3	490	2			J	0.00	0.00 (B)	
PL	305 x 3.2	165	6	FILL		J	0.10	0.60 (J)	
*=	3	940	6			J	0.00	0.02 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 6.0	240	1	FILL		J	1.17	1.17 (J)	
*=	6	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2226 x 9.0	480	1	W. SPL		D	2.14	1.07 (B)	
*=	2226	480	1			J	1.07	2.14 (J)	
*=	9	5,413	1			J	0.05	0.05 (B)	
PL	2226 x 9.0	480	1	W. SPL		D	2.14	1.07 (A)	
*=	2226	480	1			J	1.07	2.14 (J)	
*=	9	5,413	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2308 x 9.0	480	1	W. SPL		D	2.22	1.11 (B)	
*=	2308	480	1			J	1.11	2.22 (J)	
*=	9	5,577	1			J	0.05	0.05 (B)	
PL	2308 x 9.0	480	1	W. SPL		D	2.22	1.11 (A)	
*=	2308	480	1			J	1.11	2.22 (J)	
*=	9	5,577	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	780	4	LR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
TCB	M 22	105	40	L. RIB		J	5.06	0.20 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 10

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.23	2.34
	B:	-5.18	5.89
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.76
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	20.76
	U:	-1.25	1.35

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2217 x 9.0	480	1	W. SPL		D	2.13	1.06 (B)	
*=	2217	480	1			J	1.06	2.13 (J)	
*=	9	5,393	1			J	0.05	0.05 (B)	
PL	2217 x 9.0	480	1	W. SPL		D	2.13	1.06 (A)	
*=	2217	480	1			J	1.06	2.13 (J)	
*=	9	5,393	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2317 x 9.0	480	1	W. SPL		D	2.22	1.11 (B)	
*=	2317	480	1			J	1.11	2.22 (J)	
*=	9	5,594	1			J	0.05	0.05 (B)	
PL	2317 x 9.0	480	1	W. SPL		D	2.22	1.11 (A)	
*=	2317	480	1			J	1.11	2.22 (J)	
*=	9	5,594	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	780	10	UR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	
*=	19	1,870	10			J	0.04	0.35 (B)	
TCB	M 22	95	100	U. RIB		J	5.06	0.51 (F)	
PL	155 x 22.0	780	4	LR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
TCB	M 22	105	40	L. RIB		J	5.06	0.20 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.25	2.37
	B:	-5.99	6.78
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	3.28

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 11

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	22.10
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (A)	
PL	305 x 9.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	9	1,570	6			J	0.01	0.08 (B)	
PL	80 x 9.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2207 x 9.0	480	1	W. SPL		D	2.12	1.06 (B)	
*=	2207	480	1			J	1.06	2.12 (J)	
*=	9	5,374	1			J	0.05	0.05 (B)	
PL	2207 x 9.0	480	1	W. SPL		D	2.12	1.06 (A)	
*=	2207	480	1			J	1.06	2.12 (J)	
*=	9	5,374	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,611	1			J	0.05	0.05 (B)	
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,611	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	780	10	UR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	
*=	19	1,870	10			J	0.04	0.35 (B)	
TCB	M 22	95	100	U. RIB		J	5.06	0.51 (F)	
PL	155 x 22.0	780	4	LR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
TCB	M 22	105	40	L. RIB		J	5.06	0.20 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.25	2.37
	B:	-5.99	6.78
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	3.28

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 12

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	22.10
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 2.3	165	2	FILL		J	0.03	0.05 (J)	
*=	2	490	2			J	0.00	0.00 (B)	
PL	305 x 2.3	165	6	FILL		J	0.10	0.60 (J)	
*=	2	940	6			J	0.00	0.01 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 6.0	240	1	FILL		J	1.17	1.17 (J)	
*=	6	5,360	1			J	0.03	0.03 (U)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2198 x 9.0	480	1	W. SPL		D	2.11	1.05 (B)	
*=	2198	480	1			J	1.05	2.11 (J)	
*=	9	5,356	1			J	0.05	0.05 (B)	
PL	2198 x 9.0	480	1	W. SPL		D	2.11	1.05 (A)	
*=	2198	480	1			J	1.05	2.11 (J)	
*=	9	5,356	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2330 x 9.0	480	1	W. SPL		D	2.24	1.12 (B)	
*=	2330	480	1			J	1.12	2.24 (J)	
*=	9	5,620	1			J	0.05	0.05 (B)	
PL	2330 x 9.0	480	1	W. SPL		D	2.24	1.12 (A)	
*=	2330	480	1			J	1.12	2.24 (J)	
*=	9	5,620	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 19.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	19	1,570	10			J	0.03	0.30 (B)	
TCB	M 22	95	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	4	LR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	L. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 13

Total	Color	O. P (m2)	S. P (m2)
	A:	-2. 23	2. 34
	B:	-5. 09	5. 77
	C:	-0. 16	0. 16
	D:	-0. 64	0. 69
	E:	0. 00	0. 28
	F:	0. 00	2. 72
	G:	0. 00	0. 01
	I:	0. 00	0. 15
	J:	0. 00	20. 56
	U:	-1. 25	1. 35

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 6.0	165	2	FILL		J	0.03	0.05 (J)	
*=	6	490	2			J	0.00	0.01 (B)	
PL	305 x 6.0	165	6	FILL		J	0.10	0.60 (J)	
*=	6	940	6			J	0.01	0.03 (B)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	75	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	65	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2193 x 9.0	480	1	W. SPL		D	2.11	1.05 (B)	
*=	2193	480	1			J	1.05	2.11 (J)	
*=	9	5,346	1			J	0.05	0.05 (B)	
PL	2193 x 9.0	480	1	W. SPL		D	2.11	1.05 (A)	
*=	2193	480	1			J	1.05	2.11 (J)	
*=	9	5,346	1			J	0.05	0.05 (A)	
PL	2190 x 2.3	240	1	FILL		J	1.05	1.05 (J)	
*=	2	4,859	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,610	1			J	0.05	0.05 (B)	
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,610	1			J	0.05	0.05 (A)	
PL	2322 x 2.3	240	1	FILL		J	1.11	1.11 (J)	
*=	2	5,123	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	155 x 22.0	630	10	UR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	
*=	22	1,570	20			J	0.03	0.69 (B)	
TCB	M 22	105	80	U. RIB		J	5.06	0.40 (F)	
PL	155 x 22.0	630	10	LR. SPL		D	0.20	0.98 (B)	
*=	155	630	10			J	0.10	1.95 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 14

Form Size (mm)		Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
TCB	M 22	105	80	L. RIB		J	5.06	0.40 (F)
Total		Color		O. P (m2)		S. P (m2)		
		A:		-2.22		2.33		
		B:		-5.33		6.31		
		C:		-0.16		0.16		
		D:		-0.64		0.69		
		E:		0.00		0.28		
		F:		0.00		2.91		
		G:		0.00		0.01		
		I:		0.00		0.12		
		J:		0.00		21.25		
		U:		-0.86		0.92		

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	12	1,120	2			J	0.01	0.03 (A)	
PL	656 x 12.0	480	3	UF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	12	2,272	3			J	0.03	0.08 (B)	
PL	80 x 12.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 10.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	10	5,840	1			J	0.06	0.06 (D)	
PL	80 x 18.0	240	2	FILL		J	0.04	0.08 (J)	
*=	18	640	2			J	0.01	0.02 (B)	
PL	656 x 18.0	240	3	FILL		J	0.31	0.94 (J)	
*=	18	1,792	3			J	0.03	0.10 (B)	
TCB	M 22	95	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	95	108	U. FLG		J	5.06	0.55 (F)	
TCB	M 22	95	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 12.0	165	1	FILL		J	0.81	0.81 (J)	
*=	12	5,210	1			J	0.06	0.06 (U)	
TCB	M 22	80	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	80	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	80	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2176 x 9.0	630	1	W. SPL		D	2.74	1.37 (B)	
*=	2176	630	1			J	1.37	2.74 (J)	
*=	9	5,613	1			J	0.05	0.05 (B)	
PL	2176 x 9.0	630	1	W. SPL		D	2.74	1.37 (A)	
*=	2176	630	1			J	1.37	2.74 (J)	
*=	9	5,613	1			J	0.05	0.05 (A)	
PL	2172 x 2.3	315	1	FILL		J	1.37	1.37 (J)	
*=	2	4,975	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2308 x 9.0	630	1	W. SPL		D	2.91	1.45 (B)	
*=	2308	630	1			J	1.45	2.91 (J)	
*=	9	5,877	1			J	0.05	0.05 (B)	
PL	2308 x 9.0	630	1	W. SPL		D	2.91	1.45 (A)	
*=	2308	630	1			J	1.45	2.91 (J)	
*=	9	5,877	1			J	0.05	0.05 (A)	
PL	2304 x 2.3	315	1	FILL		J	1.45	1.45 (J)	
*=	2	5,238	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	630	4	UR. SPL		D	0.20	0.39 (B)	
*=	155	630	4			J	0.10	0.78 (J)	
*=	22	1,570	4			J	0.03	0.14 (B)	
TCB	M 22	105	32	U. RIB		J	5.06	0.16 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	155 x 19.0	630	10	LR. SPL		D	0.20	0.98 (B)
*=	155	630	10			J	0.10	1.95 (J)
*=	19	1,570	10			J	0.03	0.30 (B)
TCB	M 22	95	80	L. RIB		J	5.06	0.40 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.90	3.03
	B:	-5.74	6.57
	C:	-0.23	0.23
	D:	-0.94	1.00
	E:	0.00	0.38
	F:	0.00	3.13
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	25.99
	U:	-0.86	0.99

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 24.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
*=	24	2,320	2			J	0.06	0.11 (A)	
PL	656 x 24.0	1,080	3	UF. SPL		D	1.42	2.13 (B)	
*=	656	1,080	3			J	0.71	4.25 (J)	
*=	24	3,472	3			J	0.08	0.25 (B)	
PL	80 x 24.0	1,080	1	UF. SPL		D	0.17	0.09 (A)	
*=	80	1,080	1			J	0.09	0.17 (J)	
PL	2440 x 20.0	1,080	1	UF. SPL		D	5.27	2.11 (D)	0.53 (C)
*=	2440	1,080	1			J	2.64	5.27 (J)	
*=	20	7,040	1			J	0.14	0.14 (D)	
PL	80 x 3.2	540	2	FILL		J	0.09	0.17 (J)	
*=	3	1,240	2			J	0.00	0.01 (B)	
PL	656 x 3.2	540	3	FILL		J	0.71	2.13 (J)	
*=	3	2,392	3			J	0.01	0.02 (B)	
TCB	M 22	120	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
TCB	M 22	120	276	U. FLG		J	5.06	1.40 (F)	
TCB	M 22	120	14	U. FLG		J	5.06	0.01 (G)	0.06 (E)
PL	2440 x 13.0	780	1	LF. SPL		D	3.81	1.90 (U)	
*=	2440	780	1			J	1.90	3.81 (J)	
*=	13	6,440	1			J	0.08	0.08 (U)	
PL	80 x 15.0	780	1	LF. SPL		D	0.12	0.06 (U)	
*=	80	780	1			J	0.06	0.12 (J)	
*=	15	1,720	2			J	0.03	0.05 (U)	
PL	305 x 15.0	780	6	LF. SPL		D	0.48	1.43 (B)	
*=	305	780	6			J	0.24	2.85 (J)	
*=	15	2,170	6			J	0.03	0.20 (B)	
PL	80 x 15.0	780	1	LF. SPL		D	0.12	0.06 (U)	
*=	80	780	1			J	0.06	0.12 (J)	
PL	2440 x 7.0	390	1	FILL		J	1.90	1.90 (J)	
*=	7	5,660	1			J	0.04	0.04 (U)	
TCB	M 22	95	10	L. FLG		J	5.06	0.05 (I)	
TCB	M 22	95	10	L. FLG		J	5.06	0.05 (I)	
TCB	M 22	95	240	L. FLG		J	5.06	0.21 (I)	1.01 (F)
PL	2174 x 10.0	780	1	W. SPL		D	3.39	1.70 (B)	
*=	2174	780	1			J	1.70	3.39 (J)	
*=	10	5,909	1			J	0.06	0.06 (B)	
PL	2174 x 10.0	780	1	W. SPL		D	3.39	1.70 (A)	
*=	2174	780	1			J	1.70	3.39 (J)	
*=	10	5,909	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	2306 x 10.0	780	1	W. SPL		D	3.60	1.80 (B)	
*=	2306	780	1			J	1.80	3.60 (J)	
*=	10	6,172	1			J	0.06	0.06 (B)	
PL	2306 x 10.0	780	1	W. SPL		D	3.60	1.80 (A)	
*=	2306	780	1			J	1.80	3.60 (J)	
*=	10	6,172	1			J	0.06	0.06 (A)	
TCB	M 22	75	240	WEB		J	5.06	0.21 (E)	1.01 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	
*=	3	1,090	7			J	0.00	0.02 (B)	
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)	
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)	
*=	155	780	10			J	0.12	2.42 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-3.67	3.90
	B:	-8.74	9.88
	C:	-0.53	0.53
	D:	-2.11	2.25
	E:	0.00	0.53
	F:	0.00	5.13
	G:	0.00	0.02
	I:	0.00	0.31
	J:	0.00	39.19
	U:	-2.03	2.20

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 15.0	780	1	UF. SPL		D	0.12	0.06 (A)	
*=	80	780	1			J	0.06	0.12 (J)	
*=	15	1,720	2			J	0.03	0.05 (A)	
PL	656 x 15.0	780	3	UF. SPL		D	1.02	1.54 (B)	
*=	656	780	3			J	0.51	3.07 (J)	
*=	15	2,872	3			J	0.04	0.13 (B)	
PL	80 x 15.0	780	1	UF. SPL		D	0.12	0.06 (A)	
*=	80	780	1			J	0.06	0.12 (J)	
PL	2440 x 12.0	780	1	UF. SPL		D	3.81	1.52 (D)	0.38 (C)
*=	2440	780	1			J	1.90	3.81 (J)	
*=	12	6,440	1			J	0.08	0.08 (D)	
PL	80 x 17.0	390	2	FILL		J	0.06	0.12 (J)	
*=	17	940	2			J	0.02	0.03 (B)	
PL	656 x 17.0	390	3	FILL		J	0.51	1.54 (J)	
*=	17	2,092	3			J	0.04	0.11 (B)	
TCB	M 22	105	10	U. FLG		J	5.06	0.01 (G)	0.04 (E)
TCB	M 22	105	192	U. FLG		J	5.06	0.97 (F)	
TCB	M 22	105	10	U. FLG		J	5.06	0.01 (G)	0.04 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (U)	
PL	305 x 10.0	480	6	LF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 15.0	240	1	FILL		J	1.17	1.17 (J)	
*=	15	5,360	1			J	0.08	0.08 (U)	
TCB	M 22	85	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	85	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	85	144	L. FLG		J	5.06	0.12 (I)	0.60 (F)
PL	2172 x 9.0	630	1	W. SPL		D	2.74	1.37 (B)	
*=	2172	630	1			J	1.37	2.74 (J)	
*=	9	5,603	1			J	0.05	0.05 (B)	
PL	2172 x 9.0	630	1	W. SPL		D	2.74	1.37 (A)	
*=	2172	630	1			J	1.37	2.74 (J)	
*=	9	5,603	1			J	0.05	0.05 (A)	
PL	2168 x 2.3	315	1	FILL		J	1.37	1.37 (J)	
*=	2	4,967	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	2303 x 9.0	630	1	W. SPL		D	2.90	1.45 (B)	
*=	2303	630	1			J	1.45	2.90 (J)	
*=	9	5,867	1			J	0.05	0.05 (B)	
PL	2303 x 9.0	630	1	W. SPL		D	2.90	1.45 (A)	
*=	2303	630	1			J	1.45	2.90 (J)	
*=	9	5,867	1			J	0.05	0.05 (A)	
PL	2300 x 2.3	315	1	FILL		J	1.45	1.45 (J)	
*=	2	5,230	1			J	0.01	0.01 (B)	
TCB	M 22	70	192	WEB		J	5.06	0.17 (E)	0.81 (F)
PL	155 x 22.0	780	4	UR. SPL		D	0.24	0.48 (B)	
*=	155	780	4			J	0.12	0.97 (J)	
*=	22	1,870	4			J	0.04	0.16 (B)	
PL	155 x 3.2	390	7	FILL		J	0.12	0.85 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,090	7			J	0.00	0.02 (B)
TCB	M 22	105	40	U. RIB		J	5.06	0.20 (F)
PL	155 x 19.0	780	10	LR. SPL		D	0.24	1.21 (B)
*=	155	780	10			J	0.12	2.42 (J)
*=	19	1,870	10			J	0.04	0.35 (B)
TCB	M 22	100	100	L. RIB		J	5.06	0.51 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.94	3.10
	B:	-6.93	7.95
	C:	-0.38	0.38
	D:	-1.52	1.60
	E:	0.00	0.41
	F:	0.00	3.90
	G:	0.00	0.02
	I:	0.00	0.18
	J:	0.00	32.53
	U:	-1.25	1.40

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 11.0	165	2	FILL		J	0.03	0.05 (J)	
*=	11	490	2			J	0.01	0.01 (B)	
PL	305 x 11.0	165	6	FILL		J	0.10	0.60 (J)	
*=	11	940	6			J	0.01	0.06 (B)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	75	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	75	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	330	1	LF. SPL		D	1.61	0.81 (U)	
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (U)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (U)	
PL	305 x 9.0	330	6	LF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	LF. SPL		D	0.05	0.03 (U)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 6.0	165	1	FILL		J	0.81	0.81 (J)	
*=	6	5,210	1			J	0.03	0.03 (U)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	4	L. FLG		J	5.06	0.02 (I)	
TCB	M 22	70	96	L. FLG		J	5.06	0.08 (I)	0.40 (F)
PL	2186 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2186	480	1			J	1.05	2.10 (J)	
*=	9	5,332	1			J	0.05	0.05 (B)	
PL	2186 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2186	480	1			J	1.05	2.10 (J)	
*=	9	5,332	1			J	0.05	0.05 (A)	
PL	2184 x 2.3	240	1	FILL		J	1.05	1.05 (J)	
*=	2	4,848	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2318 x 9.0	480	1	W. SPL		D	2.23	1.11 (B)	
*=	2318	480	1			J	1.11	2.23 (J)	
*=	9	5,596	1			J	0.05	0.05 (B)	
PL	2318 x 9.0	480	1	W. SPL		D	2.23	1.11 (A)	
*=	2318	480	1			J	1.11	2.23 (J)	
*=	9	5,596	1			J	0.05	0.05 (A)	
PL	2316 x 2.3	240	1	FILL		J	1.11	1.11 (J)	
*=	2	5,112	1			J	0.01	0.01 (B)	
TCB	M 22	70	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 19.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	19	1,890	20			J	0.04	0.72 (B)	
PL	115 x 3.2	415	20	FILL		J	0.10	1.91 (J)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
*=	3	1,060	20			J	0.00	0.06 (B)
TCB	M 22	95	60	U. RIB		J	5.06	0.30 (F)
PL	115 x 19.0	830	10	LR. SPL		D	0.19	0.95 (B)
*=	115	830	10			J	0.10	1.91 (J)
TCB	M 22	95	60	L. RIB		J	5.06	0.30 (F)

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.21	2.33
	B:	-5.28	6.39
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.71
	G:	0.00	0.01
	I:	0.00	0.12
	J:	0.00	23.84
	U:	-0.86	0.95

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 8.0	240	1	FILL		J	1.17	1.17 (J)	
*=	8	5,360	1			J	0.04	0.04 (U)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (B)	
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,345	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (B)	
PL	2325 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2325	480	1			J	1.12	2.23 (J)	
*=	9	5,609	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	830	10	UR. SPL		D	0.19	0.95 (B)	
*=	115	830	10			J	0.10	1.91 (J)	
*=	16	1,890	10			J	0.03	0.30 (B)	
TCB	M 22	90	60	U. RIB		J	5.06	0.30 (F)	
PL	115 x 19.0	960	4	LR. SPL		D	0.22	0.44 (B)	
*=	115	960	4			J	0.11	0.88 (J)	
*=	19	2,150	4			J	0.04	0.16 (B)	
TCB	M 22	95	28	L. RIB		J	5.06	0.14 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 19

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.22	2.33
	B:	-5.11	5.84
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.59
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	20.60
	U:	-1.25	1.36

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (A)	
PL	305 x 10.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (B)	
PL	2192 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2192	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,608	1			J	0.05	0.05 (B)	
PL	2324 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2324	480	1			J	1.12	2.23 (J)	
*=	9	5,608	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	16	2,150	10			J	0.03	0.34 (B)	
TCB	M 22	90	70	U. RIB		J	5.06	0.35 (F)	
PL	115 x 19.0	960	4	LR. SPL		D	0.22	0.44 (B)	
*=	115	960	4			J	0.11	0.88 (J)	
*=	19	2,150	4			J	0.04	0.16 (B)	
TCB	M 22	95	28	L. RIB		J	5.06	0.14 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.24	2.37
	B:	-5.83	6.62
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	3.06

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 20

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.77
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	10	1,120	2			J	0.01	0.02 (A)	
PL	305 x 10.0	480	6	UF. SPL		D	0.29	0.88 (B)	
*=	305	480	6			J	0.15	1.76 (J)	
*=	10	1,570	6			J	0.02	0.09 (B)	
PL	80 x 10.0	480	1	UF. SPL		D	0.08	0.04 (A)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 9.0	480	1	UF. SPL		D	2.34	0.94 (D)	0.23 (C)
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (D)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
TCB	M 22	70	144	U. FLG		J	5.06	0.73 (F)	
TCB	M 22	70	6	U. FLG		J	5.06	0.01 (G)	0.03 (E)
PL	2440 x 10.0	630	1	LF. SPL		D	3.07	1.54 (U)	
*=	2440	630	1			J	1.54	3.07 (J)	
*=	10	6,140	1			J	0.06	0.06 (U)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
*=	12	1,420	2			J	0.02	0.03 (U)	
PL	656 x 12.0	630	3	LF. SPL		D	0.83	1.24 (B)	
*=	656	630	3			J	0.41	2.48 (J)	
*=	12	2,572	3			J	0.03	0.09 (B)	
PL	80 x 12.0	630	1	LF. SPL		D	0.10	0.05 (U)	
*=	80	630	1			J	0.05	0.10 (J)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	8	L. FLG		J	5.06	0.04 (I)	
TCB	M 22	75	150	L. FLG		J	5.06	0.13 (I)	0.63 (F)
PL	2191 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2191	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (B)	
PL	2191 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2191	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,607	1			J	0.05	0.05 (B)	
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,607	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	960	10	UR. SPL		D	0.22	1.10 (B)	
*=	115	960	10			J	0.11	2.21 (J)	
*=	16	2,150	10			J	0.03	0.34 (B)	
TCB	M 22	90	70	U. RIB		J	5.06	0.35 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.24	2.36
	B:	-5.77	6.54
	C:	-0.23	0.23
	D:	-0.94	0.99
	E:	0.00	0.30
	F:	0.00	3.04

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 21

Total	Color	O. P (m2)	S. P (m2)
	G:	0.00	0.01
	I:	0.00	0.21
	J:	0.00	21.65
	U:	-1.64	1.73

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
*=	9	820	2			J	0.01	0.01 (A)	
PL	305 x 9.0	330	6	UF. SPL		D	0.20	0.60 (B)	
*=	305	330	6			J	0.10	1.21 (J)	
*=	9	1,270	6			J	0.01	0.07 (B)	
PL	80 x 9.0	330	1	UF. SPL		D	0.05	0.03 (A)	
*=	80	330	1			J	0.03	0.05 (J)	
PL	2440 x 9.0	330	1	UF. SPL		D	1.61	0.64 (D)	0.16 (C)
*=	2440	330	1			J	0.81	1.61 (J)	
*=	9	5,540	1			J	0.05	0.05 (D)	
PL	80 x 4.5	165	2	FILL		J	0.03	0.05 (J)	
*=	5	490	2			J	0.00	0.00 (B)	
PL	305 x 4.5	165	6	FILL		J	0.10	0.60 (J)	
*=	5	940	6			J	0.00	0.03 (B)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
TCB	M 22	70	96	U. FLG		J	5.06	0.49 (F)	
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (G)	0.02 (E)
PL	2440 x 9.0	480	1	LF. SPL		D	2.34	1.17 (U)	
*=	2440	480	1			J	1.17	2.34 (J)	
*=	9	5,840	1			J	0.05	0.05 (U)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
*=	9	1,120	2			J	0.01	0.02 (U)	
PL	656 x 9.0	480	3	LF. SPL		D	0.63	0.94 (B)	
*=	656	480	3			J	0.31	1.89 (J)	
*=	9	2,272	3			J	0.02	0.06 (B)	
PL	80 x 9.0	480	1	LF. SPL		D	0.08	0.04 (U)	
*=	80	480	1			J	0.04	0.08 (J)	
PL	2440 x 8.0	240	1	FILL		J	1.17	1.17 (J)	
*=	8	5,360	1			J	0.04	0.04 (A)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	6	L. FLG		J	5.06	0.03 (I)	
TCB	M 22	75	108	L. FLG		J	5.06	0.09 (I)	0.45 (F)
PL	2191 x 9.0	480	1	W. SPL		D	2.10	1.05 (B)	
*=	2191	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (B)	
PL	2191 x 9.0	480	1	W. SPL		D	2.10	1.05 (A)	
*=	2191	480	1			J	1.05	2.10 (J)	
*=	9	5,343	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (B)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,607	1			J	0.05	0.05 (B)	
PL	2323 x 9.0	480	1	W. SPL		D	2.23	1.12 (A)	
*=	2323	480	1			J	1.12	2.23 (J)	
*=	9	5,607	1			J	0.05	0.05 (A)	
TCB	M 22	65	144	WEB		J	5.06	0.12 (E)	0.60 (F)
PL	115 x 16.0	700	10	UR. SPL		D	0.16	0.81 (B)	
*=	115	700	10			J	0.08	1.61 (J)	
*=	16	1,630	10			J	0.03	0.26 (B)	
TCB	M 22	90	50	U. RIB		J	5.06	0.25 (F)	
PL	115 x 19.0	830	4	LR. SPL		D	0.19	0.38 (B)	
*=	115	830	4			J	0.10	0.76 (J)	
*=	19	1,890	4			J	0.04	0.14 (B)	
TCB	M 22	95	24	L. RIB		J	5.06	0.12 (F)	

<MAIN STRUCTURE><GIRDER> Block:G2 CSPL 22

Total	Color	O. P (m2)	S. P (m2)
	A:	-2.22	2.38
	B:	-4.90	5.57
	C:	-0.16	0.16
	D:	-0.64	0.69
	E:	0.00	0.28
	F:	0.00	2.52
	G:	0.00	0.01
	I:	0.00	0.15
	J:	0.00	20.18
	U:	-1.25	1.32

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	320 x 16.0	3,192	1	U. FLG			2.04	1.02 (U)	1.02 (G)
PL	1783 x 9.0	3,251	1	WEB	98		11.36	11.36 (U)	
PL	320 x 16.0	3,192	1	L. FLG			2.04	2.04 (U)	
PL	120 x 10.0	1,784	3	V. STIF			0.43	1.28 (U)	
PL	120 x 10.0	977	1	V. STIF			0.23	0.23 (U)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (U)	
PL	100 x 10.0	981	2	H. STIF			0.20	0.39 (U)	
PL	100 x 10.0	961	2	H. STIF			0.19	0.38 (U)	
PL	130 x 11.0	570	4	UF. SPL		D	0.15	0.30 (U)	
*=	130	570	4			J	0.07	0.59 (J)	
*=	11	1,400	8			J	0.02	0.12 (U)	
PL	310 x 9.0	570	2	UF. SPL		D	0.35	0.35 (C)	
*=	310	570	2			J	0.18	0.71 (J)	
TCB	M 22	75	32	U. FLG		J	5.06	0.13 (I)	0.03 (G)
PL	1675 x 9.0	330	4	W. SPL		D	1.11	2.21 (U)	
*=	1675	330	4			J	0.55	4.42 (J)	
*=	9	4,010	4			J	0.04	0.14 (U)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (I)	
PL	130 x 11.0	570	4	LF. SPL		D	0.15	0.30 (U)	
*=	130	570	4			J	0.07	0.59 (J)	
PL	310 x 9.0	570	2	LF. SPL		D	0.35	0.35 (U)	
*=	310	570	2			J	0.18	0.71 (J)	
*=	9	1,760	2			J	0.02	0.03 (U)	
TCB	M 22	75	32	L. FLG		J	5.06	0.16 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.67		0.35			
		G:		0.00		0.03			
		I:		0.00		0.98			
		J:		0.00		7.02			
		U:		13.82		3.46			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	320 x 16.0	3,196	1	U. FLG			2.05	1.02 (U)	1.02 (G)
PL	1781 x 9.0	3,303	1	WEB	96		11.29	11.29 (U)	
PL	320 x 16.0	3,196	1	L. FLG			2.05	2.05 (U)	
PL	120 x 10.0	1,784	3	V. STIF			0.43	1.28 (U)	
PL	120 x 10.0	977	1	V. STIF			0.23	0.23 (U)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (U)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (U)	
PL	100 x 10.0	964	2	H. STIF			0.19	0.39 (U)	
PL	130 x 11.0	570	4	UF. SPL		D	0.15	0.30 (U)	
*=	130	570	4			J	0.07	0.59 (J)	
*=	11	1,400	8			J	0.02	0.12 (U)	
PL	310 x 9.0	570	2	UF. SPL		D	0.35	0.35 (C)	
*=	310	570	2			J	0.18	0.71 (J)	
TCB	M 22	75	32	U. FLG		J	5.06	0.13 (I)	0.03 (G)
PL	1684 x 9.0	330	4	W. SPL		D	1.11	2.22 (U)	
*=	1684	330	4			J	0.56	4.45 (J)	
*=	9	4,028	4			J	0.04	0.15 (U)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (I)	
PL	130 x 11.0	570	4	LF. SPL		D	0.15	0.30 (U)	
*=	130	570	4			J	0.07	0.59 (J)	
PL	310 x 9.0	570	2	LF. SPL		D	0.35	0.35 (U)	
*=	310	570	2			J	0.18	0.71 (J)	
*=	9	1,760	2			J	0.02	0.03 (U)	
TCB	M 22	75	32	L. FLG		J	5.06	0.16 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.67		0.35			
		G:		0.00		0.03			
		I:		0.00		0.98			
		J:		0.00		7.04			
		U:		13.74		3.47			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1787 x 9.0	3,245	1	WEB	98		11.37	11.37 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1678 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1678	330	4			J	0.55	4.43 (J)	
*=	9	4,016	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.87	2.93
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.59

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1787 x 9.0	3,239	1	WEB	98		11.34	11.34 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1677 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1677	330	4			J	0.55	4.43 (J)	
*=	9	4,014	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.85	2.93
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.59

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1787 x 9.0	3,234	1	WEB	98		11.33	11.33 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,787	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1676 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1676	330	4			J	0.55	4.42 (J)	
*=	9	4,012	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.83		2.93			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.59			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,228	1	WEB	98		11.31	11.31 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1675 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1675	330	4			J	0.55	4.42 (J)	
*=	9	4,010	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.82	2.93
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.58

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,219	1	WEB	99		11.40	11.40 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1673 x 9.0	330	4	W. SPL		D	1.10	2.21 (A)	
*=	1673	330	4			J	0.55	4.42 (J)	
*=	9	4,007	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.90	2.92
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.58

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,209	1	WEB	99		11.36	11.36 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1672 x 9.0	330	4	W. SPL		D	1.10	2.21 (A)	
*=	1672	330	4			J	0.55	4.41 (J)	
*=	9	4,003	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.87	2.92
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.58

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,199	1	WEB	99		11.33	11.33 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1670 x 9.0	330	4	W. SPL		D	1.10	2.20 (A)	
*=	1670	330	4			J	0.55	4.41 (J)	
*=	9	3,999	4			J	0.04	0.14 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.84	2.92
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.57

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,191	1	WEB			11.41	11.41 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1668 x 9.0	330	4	W. SPL		D	1.10	2.20 (A)	
*=	1668	330	4			J	0.55	4.40 (J)	
*=	9	3,996	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.92	2.92
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.57

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,200	1	WEB	99		11.33	11.33 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1670 x 9.0	330	4	W. SPL		D	1.10	2.20 (A)	
*=	1670	330	4			J	0.55	4.41 (J)	
*=	9	4,000	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.84		2.92			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.57			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,220	1	WEB	99		11.40	11.40 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1674 x 9.0	330	4	W. SPL		D	1.10	2.21 (A)	
*=	1674	330	4			J	0.55	4.42 (J)	
*=	9	4,007	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.90	2.93
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.58

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,232	1	WEB	98		11.33	11.33 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1676 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1676	330	4			J	0.55	4.42 (J)	
*=	9	4,011	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.83		2.93			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.59			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,191	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1787 x 9.0	3,244	1	WEB	98		11.36	11.36 (A)	
PL	250 x 12.0	3,191	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1678 x 9.0	330	4	W. SPL		D	1.11	2.21 (A)	
*=	1678	330	4			J	0.55	4.43 (J)	
*=	9	4,016	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.86		2.93			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.59			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,192	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1787 x 9.0	3,257	1	WEB	98		11.41	11.41 (A)	
PL	250 x 12.0	3,192	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	981	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	961	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1680 x 9.0	330	4	W. SPL		D	1.11	2.22 (A)	
*=	1680	330	4			J	0.55	4.44 (J)	
*=	9	4,020	4			J	0.04	0.14 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.91		2.93			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.60			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,193	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1786 x 9.0	3,269	1	WEB	97		11.33	11.33 (A)	
PL	250 x 12.0	3,193	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	981	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	961	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1682 x 9.0	330	4	W. SPL		D	1.11	2.22 (A)	
*=	1682	330	4			J	0.56	4.44 (J)	
*=	9	4,024	4			J	0.04	0.14 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.82	2.94
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.60

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,194	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1786 x 9.0	3,282	1	WEB	97		11.37	11.37 (A)	
PL	250 x 12.0	3,194	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	981	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	961	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1684 x 9.0	330	4	W. SPL		D	1.11	2.22 (A)	
*=	1684	330	4			J	0.56	4.45 (J)	
*=	9	4,029	4			J	0.04	0.15 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.87	2.94
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.61

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,195	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,295	1	WEB	96		11.29	11.29 (A)	
PL	250 x 12.0	3,195	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1687 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1687	330	4			J	0.56	4.45 (J)	
*=	9	4,033	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.79	2.94
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.81		2.95			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.62			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 24

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 25

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 26

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.81		2.95			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.62			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 27

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 28

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.81		2.95			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.62			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 29

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.95
	D:	0.64	0.19
	E:	0.00	0.77
	J:	0.00	5.62

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 30

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.81		2.95			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.62			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 31

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB M 22		65	16	U. FLG		J	5.06	0.01 (D)	0.07 (A)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB M 22		65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB M 22		65	16	L. FLG		J	5.06	0.08 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.81		2.95			
		D:		0.64		0.19			
		E:		0.00		0.77			
		J:		0.00		5.62			

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 32

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,190	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1788 x 9.0	3,210	1	WEB	99		11.36	11.36 (A)	
PL	250 x 12.0	3,190	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	315	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	980	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	960	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (F)	0.07 (E)
PL	1672 x 9.0	330	4	W. SPL		D	1.10	2.21 (A)	
*=	1672	330	4			J	0.55	4.41 (J)	
*=	9	4,003	4			J	0.04	0.14 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.87	2.86
	D:	0.64	0.18
	E:	0.00	0.84
	F:	0.00	0.01
	J:	0.00	5.58

<MAIN STRUCTURE><CROSSBEAM> Block:CB1 BLK 33

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 12.0	3,196	1	U. FLG			1.60	0.80 (D)	0.80 (A)
PL	1785 x 9.0	3,303	1	WEB	96		11.32	11.32 (A)	
PL	250 x 12.0	3,196	1	L. FLG			1.60	1.60 (A)	
PL	120 x 10.0	1,788	4	V. STIF			0.43	1.72 (A)	
PL	100 x 10.0	316	4	H. STIF			0.06	0.25 (A)	
PL	100 x 10.0	982	2	H. STIF			0.20	0.39 (A)	
PL	100 x 10.0	962	2	H. STIF			0.19	0.38 (A)	
PL	100 x 9.0	330	4	UF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
*=	9	860	8			J	0.01	0.06 (A)	
PL	240 x 9.0	330	2	UF. SPL		D	0.16	0.16 (D)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (D)	
TCB	M 22	65	16	U. FLG		J	5.06	0.01 (F)	0.07 (E)
PL	1688 x 9.0	330	4	W. SPL		D	1.11	2.23 (A)	
*=	1688	330	4			J	0.56	4.46 (J)	
*=	9	4,036	4			J	0.04	0.15 (A)	
TCB	M 22	65	136	WEB		J	5.06	0.69 (E)	
PL	100 x 9.0	330	4	LF. SPL		D	0.07	0.13 (A)	
*=	100	330	4			J	0.03	0.26 (J)	
PL	240 x 9.0	330	2	LF. SPL		D	0.16	0.16 (A)	
*=	240	330	2			J	0.08	0.32 (J)	
*=	9	1,140	2			J	0.01	0.02 (A)	
TCB	M 22	65	16	L. FLG		J	5.06	0.08 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	13.81	2.88
	D:	0.64	0.18
	E:	0.00	0.84
	F:	0.00	0.01
	J:	0.00	5.62

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	1	S. ANC		Z		0.00 (A)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (U)	0.24 (G)
PL	823 x 9.0	1,046	1	WEB			1.72	1.72 (U)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (U)	
PL	250 x 10.0	965	1	L. FLG			0.48	0.48 (U)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (U)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (C)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	U. FLG		J	5.06	0.03 (I)	0.01 (G)
PL	716 x 9.0	330	2	W. SPL		D	0.47	0.47 (U)	
*=	716	330	2			J	0.24	0.95 (J)	
*=	9	2,092	2			J	0.02	0.04 (U)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (I)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (I)	
*=	-80	480	2				-0.04	-0.08 (U)	
*=	80	480	2			D	0.04	0.08 (U)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (U)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.16		0.08			
		G:		0.00		0.01			
		I:		0.00		0.24			
		J:		0.00		1.53			
		U:		1.73		0.85			

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	1	S. ANC		Z		0.00 (A)	
PL	250 x 10.0	943	1	U. FLG			0.47	0.24 (U)	0.24 (G)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (U)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (U)	
PL	250 x 10.0	949	1	L. FLG			0.47	0.47 (U)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (U)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (C)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	U. FLG		J	5.06	0.03 (I)	0.01 (G)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (U)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (U)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (I)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (I)	
*=	-80	480	2				-0.04	-0.08 (U)	
*=	80	480	2			D	0.04	0.08 (U)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (U)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.16		0.08			
		G:		0.00		0.01			
		I:		0.00		0.24			
		J:		0.00		1.51			
		U:		1.67		0.84			

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	819 x 9.0	1,046	1	WEB			1.71	1.71 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	964	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	715 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	715	330	2			J	0.24	0.94 (J)	
*=	9	2,090	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.73	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	816 x 9.0	1,046	1	WEB			1.71	1.71 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	963	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	714 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	714	330	2			J	0.24	0.94 (J)	
*=	9	2,088	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.72	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	813 x 9.0	1,046	1	WEB			1.70	1.70 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	963	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	713 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	713	330	2			J	0.24	0.94 (J)	
*=	9	2,086	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.71	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	810 x 9.0	1,046	1	WEB			1.69	1.69 (A)	
PL	90 x 9.0	733	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	962	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	712 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	712	330	2			J	0.23	0.94 (J)	
*=	9	2,084	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.71	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	805 x 9.0	1,046	1	WEB			1.68	1.68 (A)	
PL	90 x 9.0	733	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	961	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	710 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	710	330	2			J	0.23	0.94 (J)	
*=	9	2,080	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.70	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	799 x 9.0	1,046	1	WEB			1.67	1.67 (A)	
PL	90 x 9.0	733	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	960	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	708 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	708	330	2			J	0.23	0.93 (J)	
*=	9	2,077	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.69	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	794 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	959	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	706 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	706	330	2			J	0.23	0.93 (J)	
*=	9	2,073	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.68	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	958	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	957	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	955	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	954	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	736	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	952	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	736	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	951	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	736	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	950	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	949	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	949	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 24

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 25

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 26

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 27

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 28

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 29

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 30

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 31

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 32

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	956	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR1 BLK 33

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	792 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	948	1	L. FLG			0.47	0.47 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	1	S. ANC		Z		0.00 (A)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (U)	0.24 (G)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (U)	
PL	90 x 9.0	736	1	V. STIF			0.13	0.13 (U)	
PL	250 x 10.0	952	1	L. FLG			0.48	0.48 (U)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (U)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (C)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	U. FLG		J	5.06	0.03 (I)	0.01 (G)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (U)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (U)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (I)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (I)	
*=	-80	480	2				-0.04	-0.08 (U)	
*=	80	480	2			D	0.04	0.08 (U)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (U)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.16		0.08			
		G:		0.00		0.01			
		I:		0.00		0.24			
		J:		0.00		1.51			
		U:		1.67		0.84			

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
RB	D 16	600	1	S. ANC		Z		0.00 (A)	
PL	250 x 10.0	943	1	U. FLG			0.47	0.24 (U)	0.24 (G)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (U)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (U)	
PL	250 x 10.0	972	1	L. FLG			0.49	0.49 (U)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (U)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (C)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	U. FLG		J	5.06	0.03 (I)	0.01 (G)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (U)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (U)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (I)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (I)	
*=	-80	480	2				-0.04	-0.08 (U)	
*=	80	480	2			D	0.04	0.08 (U)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (U)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (U)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (U)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (I)	
Total		Color		O. P (m2)		S. P (m2)			
		C:		0.16		0.08			
		G:		0.00		0.01			
		I:		0.00		0.24			
		J:		0.00		1.54			
		U:		1.79		0.86			

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	736	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	952	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	953	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	953	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	954	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	735	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	955	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,070	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	956	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	957	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	791 x 9.0	1,046	1	WEB			1.65	1.65 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	958	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	705 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	705	330	2			J	0.23	0.93 (J)	
*=	9	2,069	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.67	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	794 x 9.0	1,046	1	WEB			1.66	1.66 (A)	
PL	90 x 9.0	733	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	959	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	707 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	707	330	2			J	0.23	0.93 (J)	
*=	9	2,073	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.68	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.51

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	806 x 9.0	1,046	1	WEB			1.69	1.69 (A)	
PL	90 x 9.0	733	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	961	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	710 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	710	330	2			J	0.23	0.94 (J)	
*=	9	2,081	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.70	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	812 x 9.0	1,046	1	WEB			1.70	1.70 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	962	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	713 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	713	330	2			J	0.24	0.94 (J)	
*=	9	2,085	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.71	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	819 x 9.0	1,046	1	WEB			1.71	1.71 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	964	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	715 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	715	330	2			J	0.24	0.94 (J)	
*=	9	2,090	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.73	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	826 x 9.0	1,046	1	WEB			1.73	1.73 (A)	
PL	90 x 9.0	732	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	965	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	717 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	717	330	2			J	0.24	0.95 (J)	
*=	9	2,095	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.74	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.53

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	833 x 9.0	1,046	1	WEB			1.74	1.74 (A)	
PL	90 x 9.0	731	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	967	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	720 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	720	330	2			J	0.24	0.95 (J)	
*=	9	2,099	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.75	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.53

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	941	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	840 x 9.0	1,046	1	WEB			1.76	1.76 (A)	
PL	90 x 9.0	731	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	969	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	722 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	722	330	2			J	0.24	0.95 (J)	
*=	9	2,104	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.77	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.53

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	847 x 9.0	1,046	1	WEB			1.77	1.77 (A)	
PL	90 x 9.0	731	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	970	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB	M 22	65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	724 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	724	330	2			J	0.24	0.96 (J)	
*=	9	2,108	2			J	0.02	0.04 (A)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (E)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.78	0.84
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 24

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 25

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 26

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB	M 22	65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB	M 22	65	28	WEB		J	5.06	0.14 (E)	
TCB	M 22	55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB	M 22	65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 27

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 28

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 29

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 30

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 31

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	730	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 32

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	940	1	U. FLG			0.47	0.23 (D)	0.23 (A)
PL	800 x 9.0	1,046	1	WEB			1.67	1.67 (A)	
PL	90 x 9.0	734	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	960	1	L. FLG			0.48	0.48 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	708 x 9.0	330	2	W. SPL		D	0.47	0.47 (A)	
*=	708	330	2			J	0.23	0.93 (J)	
*=	9	2,077	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.69	0.83
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.52

<MAIN STRUCTURE><BRACKET> Block:BR2 BLK 33

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	250 x 10.0	942	1	U. FLG			0.47	0.24 (D)	0.24 (A)
PL	851 x 9.0	1,046	1	WEB			1.78	1.78 (A)	
PL	90 x 9.0	737	1	V. STIF			0.13	0.13 (A)	
PL	250 x 10.0	971	1	L. FLG			0.49	0.49 (A)	
PL	100 x 9.0	330	2	UF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
*=	9	860	4			J	0.01	0.03 (A)	
PL	240 x 9.0	330	1	UF. SPL		D	0.16	0.08 (D)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (D)	
TCB M 22		65	8	U. FLG		J	5.06	0.01 (F)	0.03 (E)
PL	726 x 9.0	330	2	W. SPL		D	0.48	0.48 (A)	
*=	726	330	2			J	0.24	0.96 (J)	
*=	9	2,111	2			J	0.02	0.04 (A)	
TCB M 22		65	28	WEB		J	5.06	0.14 (E)	
TCB M 22		55	5	WEB		J	5.06	0.03 (E)	
*=	-80	480	2				-0.04	-0.08 (A)	
*=	80	480	2			D	0.04	0.08 (A)	
PL	100 x 9.0	330	2	LF. SPL		D	0.07	0.07 (A)	
*=	100	330	2			J	0.03	0.13 (J)	
PL	240 x 9.0	330	1	LF. SPL		D	0.16	0.08 (A)	
*=	240	330	1			J	0.08	0.16 (J)	
*=	9	1,140	1			J	0.01	0.01 (A)	
TCB M 22		65	8	L. FLG		J	5.06	0.04 (E)	

Total	Color	O. P (m2)	S. P (m2)
	A:	1.79	0.85
	D:	0.16	0.09
	E:	0.00	0.24
	F:	0.00	0.01
	J:	0.00	1.54

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,628	1	WEB	99		12.63	12.63 (A)
*=	-600	3,400	2				-2.04	-4.08 (A)
*=	600	3,400	2				2.04	4.08 (U)
PL	220 x 14.0	10,612	1	U. FLG			4.67	2.33 (A) 2.33 (C)
*=	-220	3,400	1				-0.75	-0.75 (A)
*=	220	3,400	1				0.75	0.75 (U)
PL	220 x 14.0	10,612	1	L. FLG			4.67	4.67 (A)
*=	-220	3,400	2				-0.75	-1.50 (A)
*=	220	3,400	2				0.75	1.50 (U)
PL	100 x 10.0	600	1	V. STIF			0.12	0.12 (U)
PL	100 x 10.0	600	1	V. STIF			0.12	0.12 (A)
PL	489 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	489	330	2			J	0.16	0.65 (J)
*=	9	1,638	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	821	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	821	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	11	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	12.93	0.59
	C:	2.27	0.07
	E:	0.00	0.18
	J:	0.00	1.14
	U:	6.44	0.00

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,990	1	WEB	99		13.06	13.06 (A)
PL	220 x 14.0	10,974	1	U. FLG			4.83	2.41 (A) 2.41 (C)
PL	220 x 14.0	10,974	1	L. FLG			4.83	4.83 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	489 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	489	330	2			J	0.16	0.65 (J)
*=	9	1,638	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	20.04	0.59
	C:	2.34	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,957	1	WEB	99		13.02	13.02 (A)
PL	220 x 14.0	10,942	1	U. FLG			4.81	2.41 (A) 2.41 (C)
PL	220 x 14.0	10,942	1	L. FLG			4.81	4.81 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	488 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	488	330	2			J	0.16	0.64 (J)
*=	9	1,636	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.98	0.59
	C:	2.34	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,925	1	WEB	99		12.98	12.98 (A)
PL	220 x 14.0	10,912	1	U. FLG			4.80	2.40 (A) 2.40 (G)
PL	220 x 14.0	10,912	1	L. FLG			4.80	4.80 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	487 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	487	330	2			J	0.16	0.64 (J)
*=	9	1,634	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.92	0.59
	G:	2.33	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,702	1	WEB	99		12.71	12.71 (A)
PL	220 x 14.0	10,690	1	U. FLG			4.70	2.35 (A) 2.35 (C)
PL	220 x 14.0	10,690	1	L. FLG			4.70	4.70 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	486 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	486	330	2			J	0.16	0.64 (J)
*=	9	1,633	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	11	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.51	0.59
	C:	2.28	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,555	1	WEB			13.87	13.87 (A)
PL	220 x 14.0	11,544	1	U. FLG			5.08	2.54 (A) 2.54 (C)
PL	220 x 14.0	11,544	1	L. FLG			5.08	5.08 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	485 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	485	330	2			J	0.16	0.64 (J)
*=	9	1,630	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	821	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	821	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.23	0.59
	C:	2.47	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	11,605	1	WEB			13.93	13.93 (A)	
PL	220 x 14.0	11,596	1	U. FLG			5.10	2.55 (A)	2.55 (C)
PL	220 x 14.0	11,596	1	L. FLG			5.10	5.10 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	485 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	485	330	2			J	0.16	0.64 (J)	
*=	9	1,630	2			J	0.01	0.03 (A)	
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	331	1			J	0.07	0.14 (J)	
*=	12	1,082	2			J	0.01	0.03 (A)	
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	330	2			J	0.03	0.11 (J)	
*=	12	820	2			J	0.01	0.02 (A)	
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	331	1			J	0.07	0.14 (J)	
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	330	2			J	0.03	0.11 (J)	
*=	10	820	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	12	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		21.32		0.59			
		C:		2.48		0.07			
		E:		0.00		0.18			
		J:		0.00		1.13			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,556	1	WEB			13.87	13.87 (A)
PL	220 x 14.0	11,548	1	U. FLG			5.08	2.54 (A) 2.54 (C)
PL	220 x 14.0	11,548	1	L. FLG			5.08	5.08 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	484 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	484	330	2			J	0.16	0.64 (J)
*=	9	1,628	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.23	0.59
	C:	2.47	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,508	1	WEB			13.81	13.81 (A)
PL	220 x 14.0	11,501	1	U. FLG			5.06	2.53 (A) 2.53 (C)
PL	220 x 14.0	11,501	1	L. FLG			5.06	5.06 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	485 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	485	330	2			J	0.16	0.64 (J)
*=	9	1,630	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.14	0.59
	C:	2.46	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,496	1	WEB			13.80	13.80 (A)
PL	220 x 14.0	11,487	1	U. FLG			5.05	2.53 (A) 2.53 (C)
PL	220 x 14.0	11,487	1	L. FLG			5.05	5.05 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	485 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	485	330	2			J	0.16	0.64 (J)
*=	9	1,630	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		21.12		0.59		
		C:		2.46		0.07		
		E:		0.00		0.18		
		J:		0.00		1.13		

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,396	1	WEB			13.68	13.68 (A)
PL	220 x 14.0	11,388	1	U. FLG			5.01	2.51 (A) 2.51 (C)
PL	220 x 14.0	11,388	1	L. FLG			5.01	5.01 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	484 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	484	330	2			J	0.16	0.64 (J)
*=	9	1,628	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	20.94	0.59
	C:	2.44	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	10,511	1	WEB			12.61	12.61 (A)	
PL	220 x 14.0	10,504	1	U. FLG			4.62	2.31 (A)	2.31 (C)
PL	220 x 14.0	10,504	1	L. FLG			4.62	4.62 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	483 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	483	330	2			J	0.16	0.64 (J)	
*=	483	330	2			J	0.16	0.64 (J)	
*=	9	1,626	2			J	0.01	0.03 (A)	
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	332	1			J	0.07	0.14 (J)	
*=	12	1,084	2			J	0.01	0.03 (A)	
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	12	822	2			J	0.01	0.02 (A)	
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	332	1			J	0.07	0.14 (J)	
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	10	822	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		19.29		0.59			
		C:		2.24		0.07			
		E:		0.00		0.18			
		J:		0.00		1.77			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	10,706	1	WEB			12.85	12.85 (A)	
PL	220 x 14.0	10,700	1	U. FLG			4.71	2.35 (A)	2.35 (C)
PL	220 x 14.0	10,700	1	L. FLG			4.71	4.71 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	483 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	483	330	2			J	0.16	0.64 (J)	
*=	9	1,626	2			J	0.01	0.03 (A)	
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	332	1			J	0.07	0.14 (J)	
*=	12	1,084	2			J	0.01	0.03 (A)	
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	12	822	2			J	0.01	0.02 (A)	
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	332	1			J	0.07	0.14 (J)	
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	10	822	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		19.65		0.59			
		C:		2.28		0.07			
		E:		0.00		0.18			
		J:		0.00		1.13			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,704	1	WEB			12.84	12.84 (A)
PL	220 x 14.0	10,700	1	U. FLG			4.71	2.35 (A) 2.35 (C)
PL	220 x 14.0	10,700	1	L. FLG			4.71	4.71 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	11	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.65	0.59
	C:	2.28	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,703	1	WEB			12.84	12.84 (A)
PL	220 x 14.0	10,700	1	U. FLG			4.71	2.35 (A) 2.35 (C)
PL	220 x 14.0	10,700	1	L. FLG			4.71	4.71 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	11	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.65	0.59
	C:	2.28	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	7,353	1	WEB			8.82	8.82 (A)	
PL	220 x 14.0	7,350	1	U. FLG			3.23	1.62 (A)	1.62 (C)
PL	220 x 14.0	7,350	1	L. FLG			3.23	3.23 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	482	330	2			J	0.16	0.64 (J)	
*=	9	1,624	2			J	0.01	0.03 (A)	
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	332	1			J	0.07	0.14 (J)	
*=	12	1,084	2			J	0.01	0.03 (A)	
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	12	822	2			J	0.01	0.02 (A)	
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	332	1			J	0.07	0.14 (J)	
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	10	822	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		13.42		0.59			
		C:		1.55		0.07			
		E:		0.00		0.18			
		J:		0.00		1.13			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	4,940	1	WEB			5.93	5.93 (A)	
*=	-600	3,400	2				-2.04	-4.08 (A)	
*=	600	3,400	2				2.04	4.08 (U)	
PL	220 x 14.0	4,937	1	U. FLG			2.17	1.09 (A)	1.09 (C)
*=	-220	3,400	1				-0.75	-0.75 (A)	
*=	220	3,400	1				0.75	0.75 (U)	
PL	220 x 14.0	4,937	1	L. FLG			2.17	2.17 (A)	
*=	-220	3,400	2				-0.75	-1.50 (A)	
*=	220	3,400	2				0.75	1.50 (U)	
PL	100 x 10.0	600	1	V. STIF			0.12	0.12 (U)	
RB	D 16	600	5	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		2.86		0.00			
		C:		1.09		0.00			
		U:		6.44		0.00			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST1 HANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	100 x 9.0	120	100	HANG			0.02	2.40 (A)	
Total		Color		O. P (m2)		S. P (m2)	A:		
				2.40		0.00			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,417	1	WEB	99		12.38	12.38 (A)
*=	-600	3,400	2				-2.04	-4.08 (A)
*=	600	3,400	2				2.04	4.08 (U)
PL	220 x 14.0	10,397	1	U. FLG			4.57	2.29 (A) 2.29 (C)
*=	-220	3,400	1				-0.75	-0.75 (A)
*=	220	3,400	1				0.75	0.75 (U)
PL	220 x 14.0	10,397	1	L. FLG			4.57	4.57 (A)
*=	-220	3,400	2				-0.75	-1.50 (A)
*=	220	3,400	2				0.75	1.50 (U)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	491 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	491	330	2			J	0.16	0.65 (J)
*=	9	1,642	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	821	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	821	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	10	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	12.65	0.59
	C:	2.22	0.07
	E:	0.00	0.18
	J:	0.00	1.14
	U:	6.32	0.00

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	10,856	1	WEB	99		12.90	12.90 (A)	
PL	220 x 14.0	10,836	1	U. FLG			4.77	2.38 (A)	2.38 (G)
PL	220 x 14.0	10,836	1	L. FLG			4.77	4.77 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	491 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	491	330	2			J	0.16	0.65 (J)	
*=	9	1,642	2			J	0.01	0.03 (A)	
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	331	1			J	0.07	0.14 (J)	
*=	12	1,082	2			J	0.01	0.03 (A)	
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	330	2			J	0.03	0.11 (J)	
*=	12	821	2			J	0.01	0.02 (A)	
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	331	1			J	0.07	0.14 (J)	
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	330	2			J	0.03	0.11 (J)	
*=	10	821	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	12	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		19.79		0.59			
		C:		2.31		0.07			
		E:		0.00		0.18			
		J:		0.00		1.14			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,889	1	WEB	99		12.94	12.94 (A)
PL	220 x 14.0	10,868	1	U. FLG			4.78	2.39 (A) 2.39 (C)
PL	220 x 14.0	10,868	1	L. FLG			4.78	4.78 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	492 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	492	330	2			J	0.16	0.65 (J)
*=	9	1,644	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.85	0.59
	C:	2.32	0.07
	E:	0.00	0.18
	J:	0.00	1.14

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,918	1	WEB	99		12.97	12.97 (A)
PL	220 x 14.0	10,897	1	U. FLG			4.79	2.40 (A) 2.40 (C)
PL	220 x 14.0	10,897	1	L. FLG			4.79	4.79 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	491 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	491	330	2			J	0.16	0.65 (J)
*=	9	1,642	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.90	0.59
	C:	2.33	0.07
	E:	0.00	0.18
	J:	0.00	1.14

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	10,737	1	WEB	99		12.76	12.76 (A)
PL	220 x 14.0	10,718	1	U. FLG			4.72	2.36 (A) 2.36 (C)
PL	220 x 14.0	10,718	1	L. FLG			4.72	4.72 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	490 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	490	330	2			J	0.16	0.65 (J)
*=	9	1,640	2			J	0.01	0.03 (A)
PL	210 x 12.0	330	1	UF. SPL		D	0.14	0.07 (C)
*=	210	330	1			J	0.07	0.14 (J)
*=	12	1,080	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	330	1	LF. SPL		D	0.14	0.07 (A)
*=	210	330	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	11	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	19.57	0.59
	C:	2.29	0.07
	E:	0.00	0.18
	J:	0.00	1.14

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,681	1	WEB	99		13.88	13.88 (A)
PL	220 x 14.0	11,663	1	U. FLG			5.13	2.57 (A) 2.57 (C)
PL	220 x 14.0	11,663	1	L. FLG			5.13	5.13 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	490 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	490	330	2			J	0.16	0.65 (J)
*=	9	1,640	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	820	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	820	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.32	0.59
	C:	2.50	0.07
	E:	0.00	0.18
	J:	0.00	1.14

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,827	1	WEB	99		14.05	14.05 (A)
PL	220 x 14.0	11,810	1	U. FLG			5.20	2.60 (A) 2.60 (C)
PL	220 x 14.0	11,810	1	L. FLG			5.20	5.20 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	489 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	489	330	2			J	0.16	0.65 (J)
*=	9	1,638	2			J	0.01	0.03 (A)
PL	210 x 12.0	331	1	UF. SPL		D	0.14	0.07 (C)
*=	210	331	1			J	0.07	0.14 (J)
*=	12	1,082	2			J	0.01	0.03 (A)
PL	80 x 12.0	330	2	UF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	12	821	2			J	0.01	0.02 (A)
PL	210 x 9.0	331	1	LF. SPL		D	0.14	0.07 (A)
*=	210	331	1			J	0.07	0.14 (J)
PL	80 x 10.0	330	2	LF. SPL		D	0.05	0.05 (A)
*=	80	330	2			J	0.03	0.11 (J)
*=	10	821	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.59	0.59
	C:	2.53	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,873	1	WEB	99		14.11	14.11 (A)
PL	220 x 14.0	11,857	1	U. FLG			5.22	2.61 (A) 2.61 (C)
PL	220 x 14.0	11,857	1	L. FLG			5.22	5.22 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	488 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	488	330	2			J	0.16	0.64 (J)
*=	9	1,636	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.67	0.59
	C:	2.54	0.07
	E:	0.00	0.18
	J:	0.00	1.14

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,917	1	WEB	99		14.16	14.16 (A)
PL	220 x 14.0	11,903	1	U. FLG			5.24	2.62 (A) 2.62 (C)
PL	220 x 14.0	11,903	1	L. FLG			5.24	5.24 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	486 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	486	330	2			J	0.16	0.64 (J)
*=	9	1,632	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.76	0.59
	C:	2.55	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,925	1	WEB			14.31	14.31 (A)
PL	220 x 14.0	11,916	1	U. FLG			5.24	2.62 (A) 2.62 (C)
PL	220 x 14.0	11,916	1	L. FLG			5.24	5.24 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	485 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	485	330	2			J	0.16	0.64 (J)
*=	9	1,630	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	13	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.92	0.59
	C:	2.55	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,821	1	WEB			14.19	14.19 (A)
PL	220 x 14.0	11,814	1	U. FLG			5.20	2.60 (A) 2.60 (C)
PL	220 x 14.0	11,814	1	L. FLG			5.20	5.20 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	484 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	484	330	2			J	0.16	0.64 (J)
*=	9	1,628	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	823	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	823	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	21.73	0.59
	C:	2.53	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	600 x 9.0	10,903	1	WEB			13.08	13.08 (A)	
PL	220 x 14.0	10,897	1	U. FLG			4.79	2.40 (A)	2.40 (G)
PL	220 x 14.0	10,897	1	L. FLG			4.79	4.79 (A)	
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)	
PL	483 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)	
*=	483	330	2			J	0.16	0.64 (J)	
*=	9	1,626	2			J	0.01	0.03 (A)	
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)	
*=	210	332	1			J	0.07	0.14 (J)	
*=	12	1,084	2			J	0.01	0.03 (A)	
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	12	822	2			J	0.01	0.02 (A)	
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)	
*=	210	332	1			J	0.07	0.14 (J)	
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)	
*=	80	331	2			J	0.03	0.11 (J)	
*=	10	822	2			J	0.01	0.02 (A)	
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)	
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)	
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		20.02		0.59			
		C:		2.33		0.07			
		E:		0.00		0.18			
		J:		0.00		1.13			

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,106	1	WEB			13.33	13.33 (A)
PL	220 x 14.0	11,100	1	U. FLG			4.88	2.44 (A) 2.44 (C)
PL	220 x 14.0	11,100	1	L. FLG			4.88	4.88 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			20.40		0.59	
		C:			2.37		0.07	
		E:			0.00		0.18	
		J:			0.00		1.13	

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,104	1	WEB			13.32	13.32 (A)
PL	220 x 14.0	11,100	1	U. FLG			4.88	2.44 (A) 2.44 (G)
PL	220 x 14.0	11,100	1	L. FLG			4.88	4.88 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	333	1	UF. SPL		D	0.14	0.07 (C)
*=	210	333	1			J	0.07	0.14 (J)
*=	12	1,086	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	333	1	LF. SPL		D	0.14	0.07 (A)
*=	210	333	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	20.40	0.59
	G:	2.37	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	11,103	1	WEB			13.32	13.32 (A)
PL	220 x 14.0	11,100	1	U. FLG			4.88	2.44 (A) 2.44 (G)
PL	220 x 14.0	11,100	1	L. FLG			4.88	4.88 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	12	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		20.40		0.59		
		C:		2.37		0.07		
		E:		0.00		0.18		
		J:		0.00		1.13		

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	7,553	1	WEB			9.06	9.06 (A)
PL	220 x 14.0	7,550	1	U. FLG			3.32	1.66 (A) 1.66 (C)
PL	220 x 14.0	7,550	1	L. FLG			3.32	3.32 (A)
PL	100 x 10.0	600	2	V. STIF			0.12	0.24 (A)
PL	482 x 9.0	330	2	W. SPL		D	0.32	0.32 (A)
*=	482	330	2			J	0.16	0.64 (J)
*=	9	1,624	2			J	0.01	0.03 (A)
PL	210 x 12.0	332	1	UF. SPL		D	0.14	0.07 (C)
*=	210	332	1			J	0.07	0.14 (J)
*=	12	1,084	2			J	0.01	0.03 (A)
PL	80 x 12.0	331	2	UF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	12	822	2			J	0.01	0.02 (A)
PL	210 x 9.0	332	1	LF. SPL		D	0.14	0.07 (A)
*=	210	332	1			J	0.07	0.14 (J)
PL	80 x 10.0	331	2	LF. SPL		D	0.05	0.05 (A)
*=	80	331	2			J	0.03	0.11 (J)
*=	10	822	2			J	0.01	0.02 (A)
TCB	M 22	65	20	WEB		J	5.06	0.10 (E)
TCB	M 22	70	8	U. FLG		J	5.06	0.04 (E)
TCB	M 22	70	8	L. FLG		J	5.06	0.04 (E)
RB	D 16	600	8	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	13.79	0.59
	C:	1.59	0.07
	E:	0.00	0.18
	J:	0.00	1.13

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 BLK 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	600 x 9.0	5,166	1	WEB			6.20	6.20 (A)
*=	-600	3,400	2				-2.04	-4.08 (A)
*=	600	3,400	2				2.04	4.08 (U)
PL	220 x 14.0	5,163	1	U. FLG			2.27	1.14 (A) 1.14 (C)
*=	-220	3,400	1				-0.75	-0.75 (A)
*=	220	3,400	1				0.75	0.75 (U)
PL	220 x 14.0	5,163	1	L. FLG			2.27	2.27 (A)
*=	-220	3,400	2				-0.75	-1.50 (A)
*=	220	3,400	2				0.75	1.50 (U)
PL	100 x 10.0	600	1	V. STIF			0.12	0.12 (U)
RB	D 16	600	5	S. ANC		Z		0.00 (A)

Total	Color	O. P (m2)	S. P (m2)
	A:	3.28	0.00
	C:	1.14	0.00
	U:	6.44	0.00

<MAIN STRUCTURE><OUTSIDE STRINGER> Block:OST2 HANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100 x 9.0	120	100	HANG			0.02	2.40 (A)

Total	Color	O. P (m2)	S. P (m2) A:
		2.40	0.00

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	800 x 10.0	620	1	WEB			0.99	0.99 (U)
PL	220 x 19.0	440	1	U. FLG			0.19	0.10 (C) 0.10 (U)
PL	220 x 19.0	596	1	L. FLG			0.26	0.26 (U)
PL	800 x 10.0	5,384	1	WEB			8.61	8.61 (A)
*=	800	2,180	2				1.74	-3.49 (A) 3.49 (U)
PL	220 x 19.0	5,127	1	U. FLG			2.26	1.13 (C) 1.13 (A)
*=	220	2,180	3				0.48	-1.44 (A) 1.44 (U)
PL	220 x 19.0	5,072	1	L. FLG			2.23	2.23 (A)
PL	90 x 9.0	800	2	V. STIF			0.14	0.29 (U)
PL	90 x 9.0	800	2	V. STIF			0.14	0.29 (A)
RB	D 16	600	4	S. ANC		Z		0.00 (A)
PL	660 x 22.0	405	1	UF. SPL	73		0.39	0.20 (C) 0.20 (U)
*=	80	660	2			D	0.05	0.05 (U) 0.05 (C)
*=	-80	660	2				-0.05	-0.05 (U) -0.05 (C)
*=	80	660	2			J	0.05	0.11 (J)
*=	220	305	2			D	0.07	0.07 (U) 0.07 (C)
*=	-220	305	2				-0.07	-0.07 (U) -0.07 (C)
*=	220	305	2			J	0.07	0.13 (J)
TCB	M 22	75	8	U. FLG		J	5.06	0.01 (I) 0.03 (G)
TCB	M 22	80	8	U. FLG		J	5.06	0.01 (I) 0.03 (G)
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)
*=	210	900	1			D	0.19	0.19 (A)
*=	210	900	2			J	0.19	0.38 (J)
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E) 0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E) 0.02 (G)
*=	80	680	4			D	0.05	0.11 (U) 0.11 (A)
*=	-80	680	2				-0.05	-0.11 (U) -0.11 (A)
*=	80	680	4			J	0.05	0.22 (J)
TCB	M 22	55	14	WEB		J	5.06	0.04 (I) 0.04 (E)
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A) 0.25 (U)
*=	155	360	2			D	0.06	0.06 (A) 0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A) -0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)
*=	220	230	2			D	0.05	0.05 (A) 0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A) -0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)
*=	155	155	4			D	0.02	0.05 (A) 0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A) -0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)
*=	100	230	4			D	0.02	0.05 (A) 0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A) -0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I) 0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)
Total		Color		O. P (m2)		S. P (m2)		
		A:		7.00		0.50		
		C:		0.99		0.31		
		E:		0.00		0.12		
		G:		0.00		0.15		
		I:		0.00		0.12		
		J:		0.00		1.64		
		U:		6.21		0.43		

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,384	1	WEB			8.61	8.61 (A)	
PL	220 x 19.0	5,162	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,072	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.01	0.61
5SET Tota	A:	60.04	3.04
	C:	0.95	0.19
5SET Tota	C:	4.73	0.95
	E:	0.00	0.16
5SET Tota	E:	0.00	0.79
	G:	0.00	0.08
5SET Tota	G:	0.00	0.42
	I:	0.00	0.07
5SET Tota	I:	0.00	0.35
	J:	0.00	1.40
5SET Tota	J:	0.00	6.99
	U:	-0.10	0.20
5SET Tota	U:	-0.49	1.00

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,383	1	WEB			8.61	8.61 (A)	
PL	220 x 19.0	5,162	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,072	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.01	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,382	1	WEB			8.61	8.61 (A)	
PL	220 x 19.0	5,162	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,072	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.01	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,381	1	WEB			8.61	8.61 (A)	
PL	220 x 19.0	5,162	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,072	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.00	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,180	1	WEB			8.29	8.29 (A)	
PL	220 x 19.0	4,962	1	U. FLG			2.18	1.09 (C)	1.09 (A)
PL	220 x 19.0	4,872	1	L. FLG			2.14	2.14 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.55	0.61
	C:	0.90	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,679	1	WEB			9.09	9.09 (A)	
PL	220 x 19.0	5,462	1	U. FLG			2.40	1.20 (C)	1.20 (A)
PL	220 x 19.0	5,372	1	L. FLG			2.36	2.36 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.68	0.61
	C:	1.01	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,779	1	WEB			9.25	9.25 (A)	
PL	220 x 19.0	5,562	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,778	1	WEB			9.24	9.24 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,777	1	WEB			9.24	9.24 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	800 x 10.0	5,776	1	WEB			9.24	9.24 (A)
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C) 1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)
RB	D 16	600	4	S. ANC		Z		0.00 (A)
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)
*=	210	900	1			D	0.19	0.19 (A)
*=	210	900	2			J	0.19	0.38 (J)
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E) 0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E) 0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)
*=	-80	680	4				-0.05	-0.22 (A)
*=	80	680	4			J	0.05	0.22 (J)
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A) 0.25 (U)
*=	155	360	2			D	0.06	0.06 (A) 0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A) -0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)
*=	220	230	2			D	0.05	0.05 (A) 0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A) -0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)
*=	155	155	4			D	0.02	0.05 (A) 0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A) -0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)
*=	100	230	4			D	0.02	0.05 (A) 0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A) -0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I) 0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	800 x 10.0	5,775	1	WEB			9.24	9.24 (A)
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C) 1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)
RB	D 16	600	4	S. ANC		Z		0.00 (A)
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)
*=	210	900	1			D	0.19	0.19 (A)
*=	210	900	2			J	0.19	0.38 (J)
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E) 0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E) 0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)
*=	-80	680	4				-0.05	-0.22 (A)
*=	80	680	4			J	0.05	0.22 (J)
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A) 0.25 (U)
*=	155	360	2			D	0.06	0.06 (A) 0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A) -0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)
*=	220	230	2			D	0.05	0.05 (A) 0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A) -0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)
*=	155	155	4			D	0.02	0.05 (A) 0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A) -0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)
*=	100	230	4			D	0.02	0.05 (A) 0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A) -0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I) 0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,774	1	WEB			9.24	9.24 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.90	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,773	1	WEB			9.24	9.24 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.89	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,772	1	WEB			9.24	9.24 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.89	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,771	1	WEB			9.23	9.23 (A)	
PL	220 x 19.0	5,561	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,471	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.89	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,771	1	WEB			9.23	9.23 (A)	
PL	220 x 19.0	5,560	1	U. FLG			2.45	1.22 (C)	1.22 (A)
PL	220 x 19.0	5,470	1	L. FLG			2.41	2.41 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.89	0.61
	C:	1.03	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,670	1	WEB			9.07	9.07 (A)	
PL	220 x 19.0	5,460	1	U. FLG			2.40	1.20 (C)	1.20 (A)
PL	220 x 19.0	5,370	1	L. FLG			2.36	2.36 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	12.66	0.61
	C:	1.01	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,169	1	WEB			8.27	8.27 (A)	
PL	220 x 19.0	4,960	1	U. FLG			2.18	1.09 (C)	1.09 (A)
PL	220 x 19.0	4,870	1	L. FLG			2.14	2.14 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.53	0.61
	C:	0.90	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,368	1	WEB			8.59	8.59 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,367	1	WEB			8.59	8.59 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,367	1	WEB			8.59	8.59 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,366	1	WEB			8.59	8.59 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-24

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,365	1	WEB			8.58	8.58 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-25

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,365	1	WEB			8.58	8.58 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
	C:	0.95	0.19
	E:	0.00	0.16
	G:	0.00	0.08
	I:	0.00	0.07
	J:	0.00	1.40
	U:	-0.10	0.20

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-26

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)	
PL	800 x 10.0	5,364	1	WEB			8.58	8.58 (A)	
PL	220 x 19.0	5,160	1	U. FLG			2.27	1.14 (C)	1.14 (A)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)	
PL	90 x 9.0	800	4	V. STIF			0.14	0.58 (A)	
RB	D 16	600	4	S. ANC		Z		0.00 (A)	
PL	210 x 22.0	900	1	UF. SPL		D	0.38	0.19 (C)	
*=	210	900	1			D	0.19	0.19 (A)	
*=	210	900	2			J	0.19	0.38 (J)	
TCB	M 22	80	16	U. FLG		J	5.06	0.01 (E)	0.07 (G)
TCB	M 22	70	4	U. FLG		J	5.06	0.00 (E)	0.02 (G)
*=	80	680	4			D	0.05	0.22 (A)	
*=	-80	680	4				-0.05	-0.22 (A)	
*=	80	680	4			J	0.05	0.22 (J)	
TCB	M 22	55	14	WEB		J	5.06	0.07 (E)	
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A)	0.25 (U)
*=	155	360	2			D	0.06	0.06 (A)	0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A)	-0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)	
*=	220	230	2			D	0.05	0.05 (A)	0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A)	-0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)	
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)	
*=	155	155	4			D	0.02	0.05 (A)	0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A)	-0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)	
*=	100	230	4			D	0.02	0.05 (A)	0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A)	-0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)	
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I)	0.07 (E)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)	

Tota	Color	O. P (m2)	S. P (m2)
	A:	11.98	0.61
2SET Tota	A:	23.95	1.21
	C:	0.95	0.19
2SET Tota	C:	1.89	0.38
	E:	0.00	0.16
2SET Tota	E:	0.00	0.32
	G:	0.00	0.08
2SET Tota	G:	0.00	0.17
	I:	0.00	0.07
2SET Tota	I:	0.00	0.14
	J:	0.00	1.40
2SET Tota	J:	0.00	2.79
	U:	-0.10	0.20
2SET Tota	U:	-0.19	0.40

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC-27

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	800 x 10.0	600	1	WEB			0.96	0.96 (U)
PL	220 x 19.0	440	1	U. FLG			0.19	0.10 (C) 0.10 (U)
PL	220 x 19.0	596	1	L. FLG			0.26	0.26 (U)
PL	800 x 10.0	5,364	1	WEB			8.58	8.58 (A)
*=	800	2,180	2				1.74	-3.49 (A) 3.49 (U)
PL	220 x 19.0	5,125	1	U. FLG			2.26	1.13 (C) 1.13 (A)
*=	220	2,180	3				0.48	-1.44 (A) 1.44 (U)
PL	220 x 19.0	5,070	1	L. FLG			2.23	2.23 (A)
PL	90 x 9.0	800	2	V. STIF			0.14	0.29 (U)
PL	90 x 9.0	800	2	V. STIF			0.14	0.29 (A)
RB	D 16	600	4	S. ANC		Z		0.00 (A)
PL	660 x 22.0	405	1	UF. SPL	73		0.39	0.20 (C) 0.20 (U)
*=	80	660	2			D	0.05	0.05 (U) 0.05 (C)
*=	-80	660	2				-0.05	-0.05 (U) -0.05 (C)
*=	80	660	2			J	0.05	0.11 (J)
*=	220	305	2			D	0.07	0.07 (U) 0.07 (C)
*=	-220	305	2				-0.07	-0.07 (U) -0.07 (C)
*=	220	305	2			J	0.07	0.13 (J)
TCB	M 22	75	8	U. FLG		J	5.06	0.01 (I) 0.03 (G)
TCB	M 22	80	8	U. FLG		J	5.06	0.01 (I) 0.03 (G)
*=	80	680	4			D	0.05	0.11 (U) 0.11 (A)
*=	-80	680	2				-0.05	-0.11 (U) -0.11 (A)
*=	80	680	4			J	0.05	0.22 (J)
TCB	M 22	55	14	WEB		J	5.06	0.04 (I) 0.04 (E)
PL	360 x 12.0	400	2	LF. SPL1	87		0.25	0.25 (A) 0.25 (U)
*=	155	360	2			D	0.06	0.06 (A) 0.06 (U)
*=	-155	360	4				-0.06	-0.11 (A) -0.11 (U)
*=	155	360	4			J	0.06	0.22 (J)
*=	220	230	2			D	0.05	0.05 (A) 0.05 (U)
*=	-220	230	4				-0.05	-0.10 (A) -0.10 (U)
*=	220	230	4			J	0.05	0.20 (J)
PL	155 x 14.0	395	4	LF. SPL1	87		0.11	0.43 (A)
*=	155	155	4			D	0.02	0.05 (A) 0.05 (U)
*=	-155	155	8				-0.02	-0.10 (A) -0.10 (U)
*=	155	155	8			J	0.02	0.19 (J)
*=	100	230	4			D	0.02	0.05 (A) 0.05 (U)
*=	-100	230	8				-0.02	-0.09 (A) -0.09 (U)
*=	100	230	8			J	0.02	0.18 (J)
TCB	M 22	80	28	L. FLG		J	5.06	0.07 (I) 0.07 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		7.16		0.31		
		C:		1.18		0.12		
		E:		0.00		0.11		
		G:		0.00		0.07		
		I:		0.00		0.12		
		J:		0.00		1.26		
		U:		5.92		0.43		

<MAIN STRUCTURE><INSIDE STRINGER> Block:STC HANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100 x 9.0	120	100	HANG			0.02	2.40 (A)
PL	176 x 19.0	360	2	CONN			0.13	0.25 (U)
Tota		Color			0. P (m2)		S. P (m2)	
		A:			2.40		0.00	
		U:			0.25		0.00	

<ACCESSORY><DRAINAGE> Block:SUPPOT B1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	120 x 8.0	140	1				0.03	0.03 (A)
FB	100 x 6.0	452	1			Z		0.00 (A)
PL	100 x 6.0	762	1			Z		0.00 (A)
PL	158 x 6.0	640	1			Z		0.00 (A)
B. N	M 12	40	8			Z		0.00 (A)
W	M 12		16			Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	A:
					0.03		0.00	
85SET Total		A:			2.86		0.00	

<ACCESSORY><DRAINAGE> Block:SUPPOT S1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100 x 8.0	140	1				0.03	0.03 (A)
FB	100 x 6.0	446	2			Z		0.00 (A)
FB	100 x 6.0	361	1			Z		0.00 (A)
B. N	M 12	40	4			Z		0.00 (A)
W	M 12		8			Z		0.00 (A)
B. N	M 12	45	4			Z		0.00 (A)
W	M 12		8			Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			0.03		0.00	
4SE Total		A:			0.11		0.00	

<ACCESSORY><DRAINAGE> Block:SUPPOT S2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P. System)
PL	100 x 8.0	106	1				0.02	0.02 (A)
FB	100 x 6.0	446	2			Z		0.00 (A)
B. N	M 12	40	4			Z		0.00 (A)
W	M 12		8			Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			0.02		0.00	
17SE Total		A:			0.36		0.00	

4. Floor Slab

(2) The concrete volume (24N/mm²)

①	12.750	x	0.220	x	179.800									=	504.339	m ³		
②	(	0.220	+	0.760	)	x	1/2	x	0.050	x	179.800	x	2	=	8.810	m ³		
③	(	0.240	+	0.720	)	x	1/2	x	0.080	x	179.800	x	4	=	27.617	m ³		
④	(	0.220	+	0.700	)	x	1/2	x	0.080	x	179.800			=	6.617	m ³		
⑤	(	0.955	+	1.345	)	x	1/2	x	(	0.080	+	0.050	)	1/2				
						x	(	1.100	+	0.240	x	1/2	)	x	2	=	0.182	m ³
⑥	(	1.480	+	1.960	)	x	1/2	x	0.080									
						x	(	1.100	+	0.240	x	1/2	)	x	2	=	0.336	m ³
⑦	(	1.390	+	1.870	)	x	1/2	x	0.080									
						x	(	1.100	+	0.240	x	1/2	)	x	2	=	0.318	m ³
														Σ	=	548.219	m ³	
Total concrete volumes															=	548.219	m ³	

(3) Form area

a	(	0.220	+	0.394	)	x	179.800	x	2					=	220.794	m ²	
b	(	0.158	+	0.955	+	0.253	)	x	177.120	x	2			=	483.892	m ²	
d	(	0.253	x	2	+	1.390	)	x	177.120	x	2			=	671.639	m ²	
e	(	1.100	+	0.253	)	x	1.345	x	2					=	3.640	m ²	
f	(	1.100	+	0.253	)	x	1.870	x	2					=	5.060	m ²	
g		0.380	x	8.840	x	2								=	6.718	m ²	
h	(	0.300	+	0.350	)	x	1/2	x	0.610	x	4			=	0.793	m ²	
i	(	0.350	+	0.380	)	x	1/2	x	1.345	x	4			=	1.964	m ²	
														Σ	=	1394.500	m ²
Total Form areas															=	1394.500	m ²

Undergrounding form area

c	(	0.253	x	2	+	1.480	)	x	177.120	x	2			=	703.521	m ²

(4) Reinforcement bar

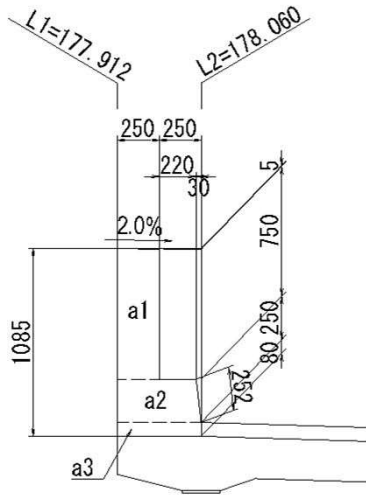
D19	(SD345)	107,236	kg
D16	(SD345)	27,251	kg
D13	(SD345)	6,595	kg
合計		= 141,082	kg

(5) Asphalt pavement

Roadway	t=80mm															
	Surface layer	t=40mm														
	Leveling layer	t=40mm														
	5.500	x	179.800	x	2									=	1977.800	m ²

(6) Concrete curb, barrier and median

• Left barrier :



• Calculation of the cross section

$$\begin{array}{rcl} a1 & = & 0.1881 \text{ m}^2 \\ a2 & = & 0.1213 \text{ m}^2 \\ a3 & = & 0.0400 \text{ m}^2 \\ \hline \Sigma a & = & 0.3494 \text{ m}^2 \end{array}$$

• Calculation of the perimeter

$$\iota 1 = 2.167 \text{ m}$$

• Calculation of the mean distance of the felloe guard

$$\begin{aligned} L1 &= 1 / 2 \times (L1 + L2) \\ &= 177.986 \text{ m} \end{aligned}$$

$$\begin{array}{lcl} \text{Angle of starting point} & \theta 1 = & 90.000000 \text{ degree} \\ \text{Angle of ending pint} & \theta 2 = & 90.000000 \text{ degree} \end{array}$$

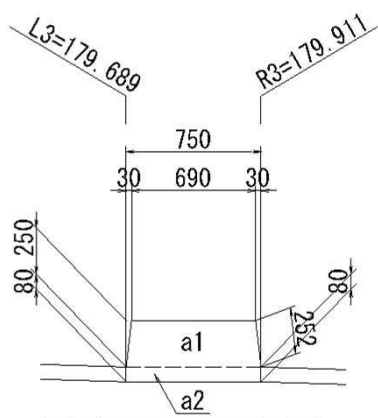
1-1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$V1 = \Sigma a \times L1 = 0.3494 \times 177.986 = 62.188 \text{ m}^3$$

1-2) Molding box area

$$\begin{aligned} A1 &= \iota 1 \times L1 + \Sigma a \times (1 / \sin \theta 1) + \Sigma a \times (1 / \sin \theta 2) \\ &= 2.167 \times 177.986 + 0.3494 \times 1.000000 + 0.3494 \\ &\quad \times 1.000000 = 386.395 \text{ m}^2 \end{aligned}$$

• Curb (Median)



• Calculation of the cross section

$$\begin{array}{rcl} a1 & = & 0.1800 \text{ m}^2 \\ a2 & = & 0.0600 \text{ m}^2 \\ \hline \Sigma a & = & 0.2400 \text{ m}^2 \end{array}$$

• Calculation of the perimeter

$$\iota 1 = 0.664 \text{ m}$$

• Calculation of the mean distance of the fellow guard

$$Lr = 1 / 2 \times (L3 + R3)$$

$$= 179.800 \text{ m}$$

$$\begin{array}{lcl} \text{Angle of starting point} & \theta 1 = & 90.000000 \text{ degree} \\ \text{Angle of ending point} & \theta 2 = & 90.000000 \text{ degree} \end{array}$$

3-1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$V3 = \Sigma a \times Lr = 0.2400 \times 179.800 = 43.152 \text{ m}^3$$

3-2) Molding box area

$$\begin{aligned} A3 &= \iota 2 \times Lr + \Sigma a \times (1 / \sin \theta 1) + \Sigma a \times (1 / \sin \theta 2) \\ &= 0.664 \times 179.800 + 0.2400 \times 1.000000 + 0.2400 \\ &\quad \times 1.000000 = 119.867 \text{ m}^2 \end{aligned}$$

4-1) Total concrete volumes ($\sigma_{ck} = 24 \text{ N/mm}^2$)

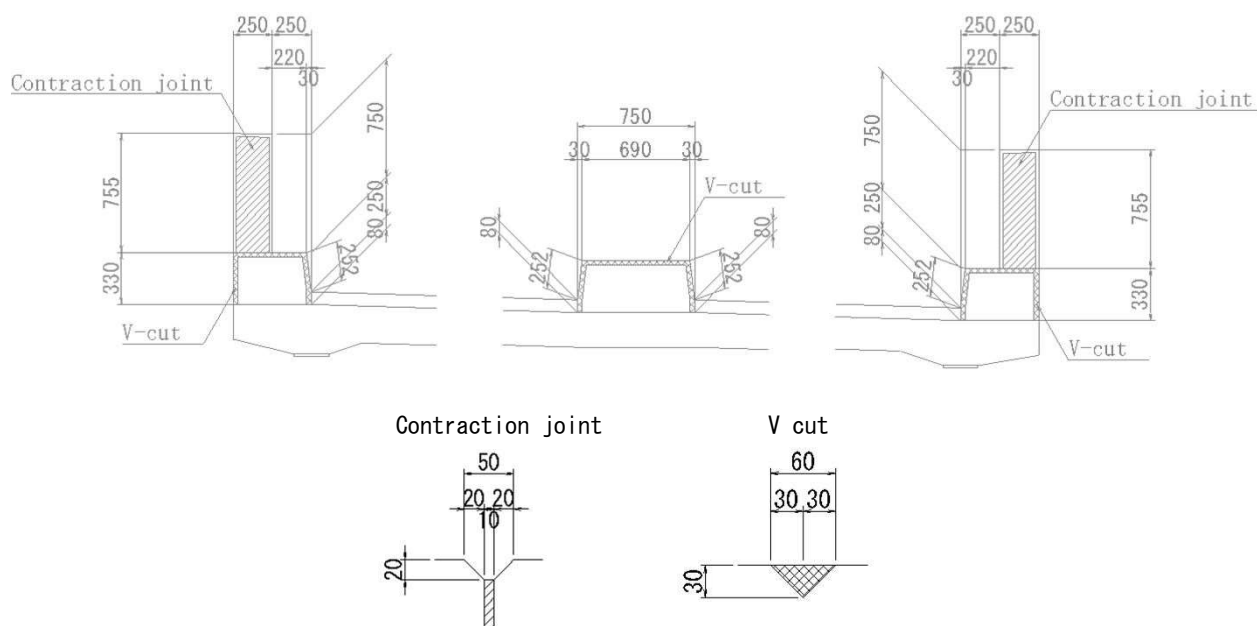
$$\begin{aligned} \Sigma V &= V1 + V2 + V3 \\ &= 62.188 + 63.456 + 43.152 = 168.796 \text{ m}^3 \end{aligned}$$

4-2) Total Form areas

$$\begin{aligned} \Sigma A &= A1 + A2 + A3 \\ &= 386.395 + 394.256 + 119.867 = 900.518 \text{ m}^2 \end{aligned}$$

4-3) Joint

Left barrier: 18 position Median : 18 position Right barrier: 18 position



1) Contraction joint (t= 10 mm)

$$LA = 1/2 \times (0.730 + 0.735) \times 0.210 \times 18 = 2.7689 \text{ m}^2$$

$$RA = 1/2 \times (0.730 + 0.735) \times 0.210 \times 18 = 2.7689 \text{ m}^2$$

$$\Sigma A = 2.7689 + 2.7689 = 5.5378 \text{ m}^2$$

2) V cut

$$A = 1/2 \times 0.030 \times 0.060 = 0.0009 \text{ m}^2$$

$$L1 = (0.330 + 0.410 + 0.252 + 0.080) \times 18 = 19.296 \text{ m}$$

$$L2 = (0.080 + 0.252 \times 2 + 0.630 + 0.080) \times 18 = 23.292 \text{ m}$$

$$L3 = (0.330 + 0.410 + 0.252 + 0.080) \times 18 = 19.296 \text{ m}$$

$$\Sigma L = 19.296 + 23.292 + 19.296 = 61.884 \text{ m}$$

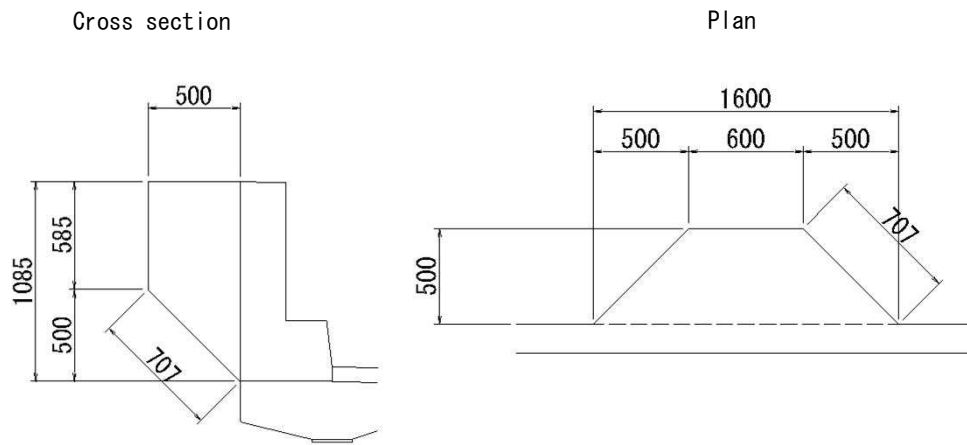
$$V = 0.0009 \times 61.884 \times 1000 = 55.696 \text{ l}$$

4-4) Reinforcement bar

Specification : SD345

	Left barrier	Right barrier	Median	Total
D16	6537 kg	6629 kg	0 kg	13166 kg
D13	4920 kg	5019 kg	2544 kg	12483 kg
Total	11457 kg	11648 kg	2544 kg	25649 kg

(7) Illumination post pedestal



1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

Plan area

$$a1 = 1/2 \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete volume

$$V1 = 0.550 \times 0.585 \times 10 = 3.218 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times 1/2 \times 10 = 1.375 \text{ m}^3$$

$$\Sigma V = 4.593 \text{ m}^3$$

The number of the footstools 4 unit 18.372 m³

2) Molding box area

Circumference

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form area

$$A1 = 2.014 \times (0.585 + 0.707) \times 10 = 26.021 \text{ m}^2$$

The number of the footstools 4 unit 104.084 m³

3) Reinforcement bar

Specification : SD345

$$D13 \quad 40 \times 10 = 400 \text{ kg}$$

The number of the footstools 4 unit 1600 kg

✕Erection (data)

Box-grider Approximate quantity of construction

1. Construction equipment (Box-grider)

Machine	Standard	Unit	Remarks
Crawler crane	200t load	1	Construction, base assembly
Rough terrain crane	16t load	1	Bearing installation
Rough terrain crane	25t load	1	Bent construction・Demolition
Generator	45KVA	1	
Construction tool		1	
Vent equipment	Laying iron plate foundation	9	
Scaffolding		1	
Measurement tool		1	
Laying iron plate		1	
Ascending pier	P1,P3	2	

2. Quantity of construction (Box-grider)

1) Steel quantity

Main grider	653.777	t
Cross beam	31.366	t
Interior stringer beam	27.341	t
External stringer beam	35.382	t
Bracket member	11.950	t
Total	759.816	t (Bridge)

2) Bent foundation

$h_1 < 10 \text{ m}$

Bent number	B(m)	h(m)
B1	8.6	4.7
B2	8.6	5.2
B3	8.6	5.7
B4	8.6	6.0
B5	8.6	6.3
B6	8.6	6.8
B7	8.6	7.0
B8	8.6	7.3
B9	8.6	7.5

3) Vent facilities

$h_1 < 10 \text{ m}$

Bent number	B(m)	h(m)	n
B1	8.6	4.7	4
B2	8.6	5.2	4
B3	8.6	5.7	4
B4	8.6	6.0	4
B5	8.6	6.3	4
B6	8.6	6.8	4
B7	8.6	7.0	4
B8	8.6	7.3	4
B9	8.6	7.5	4

4) Base assembly

Ground assembling mass 563.2 t

5) The construction number of times

24 convolution

6) High strength bolt

43,766 number

7) Rubber bearing

Number 8
 All mass 32 t
 Mortar 1.85 m³

8) Falsework

Falsework area 180 × 12.75 = 2295.0 m³

Main constituent、Sublevel、Safe passage、Partial work floor version、Funnel

Protecting work 20 × 12.75 = 255.0 m³

Uphill pier 12.0 m

9) The coupling part spot painting

Exterior painting	360.2	m ²
Internal painting	488.1	m ²
Additional painting	91.6	m ²
Total	939.9	m ²

Contracted word

- 1.4 Quantity of block
 - The Number Of The Groups : Set
 - One Set Of Weight : S. W
 - Minor Total : M. Total
 - 1.5 Calculation of block
 - The Number Of The Groups : Set
 - Materials Single Number : S. Number
 - Materials Single Weight : S. Weight
 - Materials Single Number : S. Number
 - Materials Single Weight : S. Weight
 - The Number Of The Materials : Number
 - Processing Weight : Weight
 - Processing Weight : Weight
 - 1.6 Extension of large welded T-joint
 - Materials Initial : Mtas. I
 - Board Width : W
 - The Number Of The Groups : Line
 - Welding Extension : Welding
 - 2.1 Weight of steel material weight
 - Large Shape Piece : Large Shape
 - Small Shape Piece : Small Shape
 - Materials Single Number : Number
 - Accessory Small Shape Piece : Acc Small
 - Other Accessories : Other Acc
 - Butt Welded Joint Of Steel Plate : Butt Joint
 - The Tee-Fitting Weld Length : Tweld Length
 - Unit Weight : U. Weight
 - One Set Of Weight : S. Weight
 - Large : L
 - Small : S
 - Small Shape Single Weight : S. W
 - Buying : B
 - Length : Lg
 - Number : Nb
 - Materials : Mtls
 - Materials Initial : Mtas. I
 - Comment : Cmt
 - Assortment : Am
 - Element : Elt
 - Abstract : Abs
 - 1.8 Summary list of painting area
 - Painting Name : Painting N
 - Ordinary Part : Ordinary
 - Splicing Part : Splicing
 - 3.2 Calculation of painting area
 - Length : Lg
 - Volume : Nb
 - Materials Initial : Mtas. I
 - Surface Area : S. Area
 - Painting Area (Painting System) : P. Area (P. System)
 - Painting : P. Nt
 - Painting System : Color
 - Ordinary Part : O. P
 - Splicing Part : S. P

02-2-STEEL-I GIRDER BRIDGE

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1. Quantity list

1.1 Calculation of element

Counting element				Unit	Main construction			Total		
					Bridge	Bridge fall preventi	Drainage			
Main construction and appendage	Other than the following	Large member	Number	piece	303			303		
			Weight ※1	kg	276,027			276,027		
		Small member	Number	piece	2,348	0		2,348		
			Weight ※2	kg	63,805	0	1,338	65,143		
	Number of member		※5	piece	101			101		
	Sway bracing	Weight of process		※3	kg	8,120			8,120	
		Number of member	Shaped steel truss structure		※6	piece	56			56
			Steel plate truss structure		※7	piece	0			0
	Lateral bracing	Weight of process		※4	kg	14,136			14,136	
		Number of member	Shaped steel structure		※8	piece	48			48
			Steel plate structure		※9	piece	64			64
	Weight of processed steel		※1+※2+※3+※4 計		kg	362,088	0	1,338	363,426	
			570K equivilant		kg	0	0	0	0	
	Number of members		※5+※6+※7+※8+※9		piece	269			269	
	Extension of welded joint-plate				m	0			0	
Extension of large welded T-joint				m	2,774			2,774		
Structural element			Mean span length		mm	40,200				
			Principal beam interval		mm	2,600				
			The main headroom		mm	2,400				

1.2 Steel material

[Unit:kg]

Shape	Quality	Size	Main construction							Standard	Design weight (t)
			Bridge body mechanic					Superstructure Drainage	Main body meter		
			Girder	Cross beam	Cross frame	Lateral	Inner stringer				
PL	SM490YB	39	7,868				7,868		7,868	38<t≤40	7.870
		31	6,076				6,076		6,076	30<t≤35	6.080
		29	5,848				5,848		5,848	25<t≤30	15.150
		27	2,724				2,724		2,724		
		26	6,576				6,576		6,576		
		25	6,318				6,318		6,318	t≤25	97.090
		24	3,036				3,036		3,036		
		23	7,032				7,032		7,032		
		22	12,552				12,552		12,552		
		21	25,252				25,252		25,252		
		20	3,224				3,224		3,224		
		19	39,679				39,679		39,679		
		Subtotal		126,185				126,185		126,185	
PL	SM490YA	16	368				368		368	t≤25	154.780
		15	1,680				1,680		1,680		
		14	3,228				3,228		3,228		
		12	140,116				140,116		140,116		
		10	238				238		238		
		9	9,150				9,150		9,150		
	Subtotal		154,780				154,780		154,780		
PL	SM490C	42	830				830		830	40<t≤45	0.830
	Subtotal		830				830		830		
PL	SM490B	40	410				410		410	38<t≤40	0.410
		34	675				675		675	30<t≤35	0.680
		28	285				285		285	25<t≤30	0.290
		Subtotal		1,370				1,370		1,370	
PL	SM400A	28	97				97		97	25<t≤30	3.640
		26	3,540				3,540		3,540		
		25	64				64		64	t≤25	63.960
		24	20				20		20		
		22	2,620				2,620		2,620		
		20	13,628				13,628		13,628		
		16				8,720	8,720		8,720		
		12	8,321	384			8,705		8,705		
		10	8,321	3,836			12,157		12,157		
		9	981	11,560	2,240	2,180	16,961		16,961		
		8						114	114		
		6						972	972		
		Subtotal		37,592	15,780	2,240	10,900	66,512	1,086	67,598	
PL	SS400	16	184	2,080			2,264		2,264	12≤t≤25	2.320
		12	56				56		56		
		11	48				48		48	6≤t<12	0.180
		8	92				92		92		
		6	44				44		44		
		4.5	54				54		54	3≤t<6	0.110
		3.2	52				52		52		
		2.3	74				74		74	1.6≤t<3	0.070
Subtotal			604	2,080			2,684		2,684		
L	SS400	90 x 90 x 10.0			5,880		5,880		5,880	L 90 x 90 x 10.0 SS400	5.880
CT	SS400	118x178x10.0x 8.0				3,236	3,236		3,236	CT 118x178x10.0x 8.0 SS400	3.236
FB	SS400	100 x 6.0						252	252	FB 100 x 6.0 SS400	0.252
RB	SS400	D 16	595	16			611		611	RB D 16 SS400	0.611
	Subtotal of steel		321,956	17,876	8,120	14,136	362,088	1,338	363,426	Subtotal of steel	363.426
B. N	SS400	M 12 x 45						6	6	B. N M 12 x 45 SS400	0.006
		M 12 x 40						114	114	B. N M 12 x 40 SS400	0.114
	Subtotal							120	120		
W	SS400	M 12						120	120	W M 12 SS400	0.120
	Subtotal							240	240		
TCB	S10T	M 22 x 100	232				232		232	TCB M 22 x 100 S10T	0.232
		M 22 x 95	336				336		336	TCB M 22 x 95 S10T	0.336
		M 22 x 90	420				420		420	TCB M 22 x 90 S10T	0.420
		M 22 x 85	1,202				1,202		1,202	TCB M 22 x 85 S10T	1.202
		M 22 x 80	510				510		510	TCB M 22 x 80 S10T	0.510
		M 22 x 70		320			320		320	TCB M 22 x 70 S10T	0.320
		M 22 x 65	4,200	360	448		5,008		5,008	TCB M 22 x 65 S10T	5.008
		M 22 x 60		660		320	980		980	TCB M 22 x 60 S10T	0.980
		M 22 x 55				304	304		304	TCB M 22 x 55 S10T	0.304
	Subtotal		6,900	1,340	448	624	9,312		9,312		
	Subtotal		6,900	1,340	448	624	9,312		9,312		
	Subtotal of purchased part		6,900	1,340	448	624	9,312	240	9,552	Subtotal of purchased part	9.552
	Total		328,856	19,216	8,568	14,760	371,400	1,578	372,978	Total	372.978

Shape name	
PL	Plate
CHPL	Applied plate
DECK	Deck plate
EX	Expanded metal
L	equilateral/unequal angle steel
LL	Unequal angle steel with unequal thickness
CT	CT-shaped steel
CH	Channel-shaped steel
H	H-shaped steel
I	I-shaped steel
U	U-shaped steel(The dimensions are names)
BULB	Bulb plate
FB	Flat bar
RB	Round bar
DB	Deformed bar
HRB	Half-round bar
SB	Square bar
6B	Hexagonal bar
LC	Light channel-shaped steel
LZ	Light Z-shaped steel
LA	Light angle steel
LRC	Lip channel-shaped steel
LRZ	Lip Z-shaped steel
LH	Hat steel
LSP	Square steel pipe
STK	Ordinary structural carbon steel pipe
STPY	Arc welding carbon steel pipe for piping
SGP	Carbon steel pipe for piping(The dimensions are names)
PIPE	Steel pipe for piping
SP5	Stainless steel pipe for piping(5S)
SP10	Stainless steel pipe for piping(10S)
HTB	Hexagon head bolt for high-strength structural bolting
TCB	Torshear type high strength bolt
HTBF	Driving high strength bolt(flat head)
HTBR	Driving high strength bol(round head)
B. N	Normal hexagon headed bolt set (1-nut、1-bolt)
B. UN	Hexagon headed bolt and lock nut set (1-lock nut、1-bolt)
BLT	Normal hexagon headed bolt
W	Washer
SW	Spring-washer
TW	Taper washer
RH	Roundhead rivet
WPIN	Split pin(The dimensions are names)
NUT	Hexagon nut (1 type)
NUT3	Hexagon nut (3 type)
UNUT	U nut
HLN	Hardlock nut
UBA	U bolt(TYPE-A)
UBB	U bolt(TYPE-B)
UBC	U bolt(TYPE-C)
STUD	Stud dowel
STUG	Cast-in-place stud dowel
TAP	Tap bolt (machine screw)
A. N	Driving anchor bolt (Sleeve driving type)
A. N2	Driving anchor bolt (Bolt driving type)
S. BT	Stud bolt
PIN	Pin
CHAN	Chain
MASU	Drainage basin
LL45	Steel pipe elbow 4 5° long
LS90	Steel pipe elbow 9 0° short
LL90	Steel pipe elbow 9 0° long
RC	Reducer
FJ10	Flange joint S=10K
FJ5	Flange joint S=5K
HNUT	Nut for high strength bolt
S. N	Machine screw
PBT	Flat head bolt
T-NT	High nut
ST. 2	Stud dowel(with screw)
SP10	Stainless steel pipe for piping(10S)

1.3 Number of bolt

[Unit:set]

Shape	Quality	Size	Main construction							The sum total
			Bridge body mechanic					Superstructure drainage	Main body meter	
			Girder	Cross beam	Cross frame	Lateral	Inner stringer			
B. N	SS400	M 12 x 45 M 12 x 40						24 888	24 888	24 888
Subtotal								912	912	912
W	SS400	M 12						1,824	1,824	1,824
Subtotal								2,736	2,736	2,736
TCB	S10T	M 22 x 100	384				384		384	384
		M 22 x 95	560				560		560	560
		M 22 x 90	720				720		720	720
		M 22 x 85	2,096				2,096		2,096	2,096
		M 22 x 80	928				928		928	928
		M 22 x 70		608			608		608	608
		M 22 x 65	8,280	720	896		9,896		9,896	9,896
		M 22 x 60		1,320		640	1,960		1,960	1,960
		M 22 x 55				608	608		608	608
		Subtotal		12,968	2,648	896	1,248	17,760		17,760
	Subtotal		12,968	2,648	896	1,248	17,760		17,760	17,760
Subtotal of purchased part			12,968	2,648	896	1,248	17,760	2,736	20,496	20,496
	Total		12,968	2,648	896	1,248	17,760	2,736	20,496	20,496

1.4 Quantity of block

Name	Set	S. W (Kg)	Weight (Kg)	Number
G1 1	1	4, 780	4, 780	
G1 2	1	4, 641	4, 641	
G1 3	1	4, 072	4, 072	
G1 4	1	6, 712	6, 712	
G1 5	1	3, 702	3, 702	
G1 6	1	4, 340	4, 340	
G1 7	1	4, 354	4, 354	
G1 8	1	4, 342	4, 342	
G1 9	1	3, 689	3, 689	
G1 10	1	6, 726	6, 726	
G1 11	1	4, 061	4, 061	
G1 12	1	4, 629	4, 629	
G1 13	1	4, 813	4, 813	
G1 HANG 1	1	318	318	
G1 SPL 1	1	380	380	214
G1 SPL 2	1	403	403	218
G1 SPL 3	1	443	443	226
G1 SPL 4	1	445	445	226
G1 SPL 5	1	364	364	202
G1 SPL 6	1	475	475	246
G1 SPL 7	1	476	476	246
G1 SPL 8	1	365	365	202
G1 SPL 9	1	446	446	226
G1 SPL 10	1	444	444	226
G1 SPL 11	1	404	404	218
G1 SPL 12	1	381	381	214
G2 1	1	4, 824	4, 824	
G2 2	1	4, 814	4, 814	
G2 3	1	4, 042	4, 042	
G2 4	1	5, 867	5, 867	
G2 5	1	3, 808	3, 808	
G2 6	1	4, 517	4, 517	
G2 7	1	4, 358	4, 358	
G2 8	1	4, 519	4, 519	
G2 9	1	3, 795	3, 795	
G2 10	1	5, 879	5, 879	
G2 11	1	4, 031	4, 031	
G2 12	1	4, 802	4, 802	
G2 13	1	4, 839	4, 839	
G2 HANG 1	1	115	115	
G2 SPL 1	1	354	354	202
G2 SPL 2	1	379	379	214
G2 SPL 3	1	392	392	214
G2 SPL 4	1	392	392	214
G2 SPL 5	1	360	360	202
G2 SPL 6	1	416	416	226
G2 SPL 7	1	417	417	226
G2 SPL 8	1	361	361	202
G2 SPL 9	1	393	393	214
G2 SPL 10	1	393	393	214
G2 SPL 11	1	380	380	214
G2 SPL 12	1	355	355	202
G3 1	1	4, 824	4, 824	
G3 2	1	4, 814	4, 814	
G3 3	1	4, 042	4, 042	
G3 4	1	5, 718	5, 718	
G3 5	1	3, 808	3, 808	
G3 6	1	4, 476	4, 476	
G3 7	1	4, 317	4, 317	
G3 8	1	4, 479	4, 479	
G3 9	1	3, 795	3, 795	
G3 10	1	5, 731	5, 731	
G3 11	1	4, 031	4, 031	
G3 12	1	4, 802	4, 802	
G3 13	1	4, 839	4, 839	

Name	Set	S. W (Kg)	Weight (Kg)	Number
G3 HANG 1	1	115	115	
G3 SPL 1	1	354	354	202
G3 SPL 2	1	400	400	218
G3 SPL 3	1	389	389	214
G3 SPL 4	1	389	389	214
G3 SPL 5	1	359	359	202
G3 SPL 6	1	411	411	226
G3 SPL 7	1	412	412	226
G3 SPL 8	1	360	360	202
G3 SPL 9	1	390	390	214
G3 SPL 10	1	390	390	214
G3 SPL 11	1	401	401	218
G3 SPL 12	1	355	355	202
G4 1	1	4,824	4,824	
G4 2	1	4,814	4,814	
G4 3	1	4,042	4,042	
G4 4	1	5,867	5,867	
G4 5	1	3,808	3,808	
G4 6	1	4,517	4,517	
G4 7	1	4,358	4,358	
G4 8	1	4,519	4,519	
G4 9	1	3,795	3,795	
G4 10	1	5,879	5,879	
G4 11	1	4,031	4,031	
G4 12	1	4,802	4,802	
G4 13	1	4,839	4,839	
G4 HANG 1	1	115	115	
G4 SPL 1	1	354	354	202
G4 SPL 2	1	379	379	214
G4 SPL 3	1	392	392	214
G4 SPL 4	1	392	392	214
G4 SPL 5	1	360	360	202
G4 SPL 6	1	416	416	226
G4 SPL 7	1	417	417	226
G4 SPL 8	1	361	361	202
G4 SPL 9	1	393	393	214
G4 SPL 10	1	393	393	214
G4 SPL 11	1	380	380	214
G4 SPL 12	1	355	355	202
G5 1	1	4,780	4,780	
G5 2	1	4,641	4,641	
G5 3	1	4,072	4,072	
G5 4	1	6,712	6,712	
G5 5	1	3,702	3,702	
G5 6	1	4,340	4,340	
G5 7	1	4,354	4,354	
G5 8	1	4,342	4,342	
G5 9	1	3,689	3,689	
G5 10	1	6,726	6,726	
G5 11	1	4,061	4,061	
G5 12	1	4,629	4,629	
G5 13	1	4,813	4,813	
G5 HANG 1	1	318	318	
G5 SPL 1	1	380	380	214
G5 SPL 2	1	403	403	218
G5 SPL 3	1	443	443	226
G5 SPL 4	1	445	445	226
G5 SPL 5	1	364	364	202
G5 SPL 6	1	475	475	246
G5 SPL 7	1	476	476	246
G5 SPL 8	1	365	365	202
G5 SPL 9	1	446	446	226
G5 SPL 10	1	444	444	226
G5 SPL 11	1	404	404	218
G5 SPL 12	1	381	381	214

Name	Set	S. W (Kg)	Weight (Kg)	Number
G1, G5 JACKUP S1	2	62	124	
G2~G4 JACKUP S1	3	62	186	
G1, G5 JACKUP S2	2	63	126	
G2~G4 JACKUP S2	3	63	189	
G1, G5 JACKUP PF12	2	184	368	
G3 JACKUP PF12	1	184	184	
G2, G4 JACKUP PF12	2	176	352	
G1, G5 JACKUP PF13	2	186	372	
G3 JACKUP PF13	1	186	186	
G2, G4 JACKUP PF13	2	177	354	
GIRDER M. Total	1	328, 856	328, 856	12, 968
ECB 1	2	483	966	80
ECB 2	2	483	966	80
ECB 3	2	483	966	80
ECB 4	2	483	966	80
CB 1	1	551	551	80
CB 2	2	551	1, 102	160
CB 3	1	551	551	80
CB 4	1	551	551	80
CB 5	1	641	641	124
CB 6	2	641	1, 282	248
CB 7	1	641	641	124
CB 8	1	641	641	124
CB 9	1	641	641	124
CB 10	2	641	1, 282	248
CB 11	1	641	641	124
CB 12	1	641	641	124
CB 13	1	551	551	80
CB 14	2	551	1, 102	160
CB 15	1	551	551	80
CB 16	1	551	551	80
CB 17	2	429	858	72
CB 18	2	429	858	72
CB 19	2	429	858	72
CB 20	2	429	858	72
CROSSBEAM M. Total	1	19, 216	19, 216	2, 648
IS 1	3	153	459	48
IS 2	1	153	153	16
IS 3	1	153	153	16
IS 4	1	153	153	16
IS 5	1	153	153	16
IS 6	3	153	459	48
IS 7	1	153	153	16
IS 8	1	153	153	16
IS 9	1	153	153	16
IS 10	1	153	153	16
IS 11	3	153	459	48
IS 12	2	153	306	32
IS 13	2	153	306	32
IS 14	4	153	612	64
IS 15	1	153	153	16
IS 16	1	153	153	16
IS 17	1	153	153	16
IS 18	4	153	612	64
IS 19	6	153	918	96
IS 20	2	153	306	32
IS 21	1	153	153	16
IS 22	1	153	153	16
IS 23	3	153	459	48
IS 24	2	153	306	32
IS 25	1	153	153	16
IS 26	1	153	153	16
IS 27	2	153	306	32
IS 28	1	153	153	16
IS 29	1	153	153	16

Name		Set	S. W (Kg)	Weight (Kg)	Number
	IS 30	1	153	153	16
	IS 31	1	153	153	16
	IS 32	1	153	153	16
SWAY BRACING	M. Total	1	8,568	8,568	896
	LL 1	1	2,112	2,112	200
	LL 2	1	3,259	3,259	264
	LL 3	1	2,009	2,009	160
LATERAL	M. Total	2	7,380	14,760	1,248
MAIN STRUCTURE	Subtotal	1	371,400	371,400	17,760
	SUPPOT B2	108	14	1,512	2,592
	SUPPOT S3	6	11	66	144
DRAINAGE	M. Total	1	1,578	1,578	2,736
ACCESSORY	Subtotal	1	1,578	1,578	2,736
I-GIRDER	Subtotal	1	372,978	372,978	20,496
—	Subtotal	1	372,978	372,978	20,496
—	Total	1	372,978	372,978	20,496

1.5 Calculation of block

Name	Set	Large	Large	Small	Small	Number	Whole	SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)
G1 1	1	3	4,152	19	628	1	4,780	0
G1 2	1	3	4,207	16	434	1	4,641	0
G1 3	1	3	3,690	17	382	1	4,072	0
G1 4	1	3	5,855	23	857	1	6,712	0
G1 5	1	3	3,276	17	426	1	3,702	0
G1 6	1	3	3,922	16	418	1	4,340	0
G1 7	1	3	4,007	15	347	1	4,354	0
G1 8	1	3	3,924	16	418	1	4,342	0
G1 9	1	3	3,263	17	426	1	3,689	0
G1 10	1	3	5,838	23	888	1	6,726	0
G1 11	1	3	3,679	17	382	1	4,061	0
G1 12	1	3	4,195	16	434	1	4,629	0
G1 13	1	3	4,142	20	671	1	4,813	0
G1 HANG 1	1	0	0	0	318	0	318	0
G1 SPL 1	1	0	0	8	268	0	268	0
G1 SPL 2	1	0	0	11	287	0	287	0
G1 SPL 3	1	0	0	11	320	0	320	0
G1 SPL 4	1	0	0	11	322	0	322	0
G1 SPL 5	1	0	0	11	257	0	257	0
G1 SPL 6	1	0	0	9	342	0	342	0
G1 SPL 7	1	0	0	9	343	0	343	0
G1 SPL 8	1	0	0	11	258	0	258	0
G1 SPL 9	1	0	0	11	323	0	323	0
G1 SPL 10	1	0	0	11	321	0	321	0
G1 SPL 11	1	0	0	11	288	0	288	0
G1 SPL 12	1	0	0	8	269	0	269	0
G2 1	1	3	4,106	20	718	1	4,824	0
G2 2	1	3	4,161	26	653	1	4,814	0
G2 3	1	3	3,570	18	472	1	4,042	0
G2 4	1	3	4,918	24	949	1	5,867	0
G2 5	1	3	3,203	19	605	1	3,808	0
G2 6	1	3	3,880	26	637	1	4,517	0
G2 7	1	3	3,881	24	477	1	4,358	0
G2 8	1	3	3,882	26	637	1	4,519	0
G2 9	1	3	3,190	19	605	1	3,795	0
G2 10	1	3	4,899	24	980	1	5,879	0
G2 11	1	3	3,559	18	472	1	4,031	0
G2 12	1	3	4,149	26	653	1	4,802	0
G2 13	1	3	4,096	20	743	1	4,839	0
G2 HANG 1	1	0	0	0	115	0	115	0
G2 SPL 1	1	0	0	8	249	0	249	0
G2 SPL 2	1	0	0	11	266	0	266	0
G2 SPL 3	1	0	0	11	278	0	278	0
G2 SPL 4	1	0	0	11	278	0	278	0
G2 SPL 5	1	0	0	11	253	0	253	0
G2 SPL 6	1	0	0	8	296	0	296	0
G2 SPL 7	1	0	0	8	297	0	297	0
G2 SPL 8	1	0	0	11	254	0	254	0
G2 SPL 9	1	0	0	11	279	0	279	0
G2 SPL 10	1	0	0	11	279	0	279	0
G2 SPL 11	1	0	0	11	267	0	267	0
G2 SPL 12	1	0	0	8	250	0	250	0
G3 1	1	3	4,106	20	718	1	4,824	0
G3 2	1	3	4,161	26	653	1	4,814	0
G3 3	1	3	3,570	18	472	1	4,042	0
G3 4	1	3	4,769	24	949	1	5,718	0
G3 5	1	3	3,203	19	605	1	3,808	0

Name	Large		Small		Whole		SM570
	Set	S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)	Number	Weight (Kg)
G3 6	1	3	3,839	26	637	1	4,476
G3 7	1	3	3,840	24	477	1	4,317
G3 8	1	3	3,842	26	637	1	4,479
G3 9	1	3	3,190	19	605	1	3,795
G3 10	1	3	4,751	24	980	1	5,731
G3 11	1	3	3,559	18	472	1	4,031
G3 12	1	3	4,149	26	653	1	4,802
G3 13	1	3	4,096	20	743	1	4,839
G3 HANG 1	1	0	0	0	115	0	115
G3 SPL 1	1	0	0	8	249	0	249
G3 SPL 2	1	0	0	11	284	0	284
G3 SPL 3	1	0	0	11	275	0	275
G3 SPL 4	1	0	0	11	275	0	275
G3 SPL 5	1	0	0	11	252	0	252
G3 SPL 6	1	0	0	8	291	0	291
G3 SPL 7	1	0	0	8	292	0	292
G3 SPL 8	1	0	0	11	253	0	253
G3 SPL 9	1	0	0	11	276	0	276
G3 SPL 10	1	0	0	11	276	0	276
G3 SPL 11	1	0	0	11	285	0	285
G3 SPL 12	1	0	0	8	250	0	250
G4 1	1	3	4,106	20	718	1	4,824
G4 2	1	3	4,161	26	653	1	4,814
G4 3	1	3	3,570	18	472	1	4,042
G4 4	1	3	4,918	24	949	1	5,867
G4 5	1	3	3,203	19	605	1	3,808
G4 6	1	3	3,880	26	637	1	4,517
G4 7	1	3	3,881	24	477	1	4,358
G4 8	1	3	3,882	26	637	1	4,519
G4 9	1	3	3,190	19	605	1	3,795
G4 10	1	3	4,899	24	980	1	5,879
G4 11	1	3	3,559	18	472	1	4,031
G4 12	1	3	4,149	26	653	1	4,802
G4 13	1	3	4,096	20	743	1	4,839
G4 HANG 1	1	0	0	0	115	0	115
G4 SPL 1	1	0	0	8	249	0	249
G4 SPL 2	1	0	0	11	266	0	266
G4 SPL 3	1	0	0	11	278	0	278
G4 SPL 4	1	0	0	11	278	0	278
G4 SPL 5	1	0	0	11	253	0	253
G4 SPL 6	1	0	0	8	296	0	296
G4 SPL 7	1	0	0	8	297	0	297
G4 SPL 8	1	0	0	11	254	0	254
G4 SPL 9	1	0	0	11	279	0	279
G4 SPL 10	1	0	0	11	279	0	279
G4 SPL 11	1	0	0	11	267	0	267
G4 SPL 12	1	0	0	8	250	0	250
G5 1	1	3	4,152	19	628	1	4,780
G5 2	1	3	4,207	16	434	1	4,641
G5 3	1	3	3,690	17	382	1	4,072
G5 4	1	3	5,855	23	857	1	6,712
G5 5	1	3	3,276	17	426	1	3,702
G5 6	1	3	3,922	16	418	1	4,340
G5 7	1	3	4,007	15	347	1	4,354
G5 8	1	3	3,924	16	418	1	4,342
G5 9	1	3	3,263	17	426	1	3,689
G5 10	1	3	5,838	23	888	1	6,726

Name	Set	Large	Large	Small	Small	Number	Whole	SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)
G5 11		1	3	3,679	17	382	1	4,061
G5 12		1	3	4,195	16	434	1	4,629
G5 13		1	3	4,142	20	671	1	4,813
G5 HANG 1		1	0	0	0	318	0	318
G5 SPL 1		1	0	0	8	268	0	268
G5 SPL 2		1	0	0	11	287	0	287
G5 SPL 3		1	0	0	11	320	0	320
G5 SPL 4		1	0	0	11	322	0	322
G5 SPL 5		1	0	0	11	257	0	257
G5 SPL 6		1	0	0	9	342	0	342
G5 SPL 7		1	0	0	9	343	0	343
G5 SPL 8		1	0	0	11	258	0	258
G5 SPL 9		1	0	0	11	323	0	323
G5 SPL 10		1	0	0	11	321	0	321
G5 SPL 11		1	0	0	11	288	0	288
G5 SPL 12		1	0	0	8	269	0	269
G1, G5 JACKUP S1		2	0	0	6	124	0	124
G2~G4 JACKUP S1		3	0	0	9	186	0	186
G1, G5 JACKUP S2		2	0	0	6	126	0	126
G2~G4 JACKUP S2		3	0	0	9	189	0	189
G1, G5 JACKUP PF12		2	0	0	12	368	0	368
G3 JACKUP PF12		1	0	0	6	184	0	184
G2, G4 JACKUP PF12		2	0	0	10	352	0	352
G1, G5 JACKUP PF13		2	0	0	12	372	0	372
G3 JACKUP PF13		1	0	0	6	186	0	186
G2, G4 JACKUP PF13		2	0	0	10	354	0	354
GIRDER	M. Tota	1	195	262,363	2,024	59,593	65	321,956
ECB 1		2	6	800	10	124	2	924
ECB 2		2	6	800	10	124	2	924
ECB 3		2	6	800	10	124	2	924
ECB 4		2	6	800	10	124	2	924
CB 1		1	3	382	10	129	1	511
CB 2		2	6	764	20	258	2	1,022
CB 3		1	3	382	10	129	1	511
CB 4		1	3	382	10	129	1	511
CB 5		1	3	382	12	197	1	579
CB 6		2	6	764	24	394	2	1,158
CB 7		1	3	382	12	197	1	579
CB 8		1	3	382	12	197	1	579
CB 9		1	3	382	12	197	1	579
CB 10		2	6	764	24	394	2	1,158
CB 11		1	3	382	12	197	1	579
CB 12		1	3	382	12	197	1	579
CB 13		1	3	382	10	129	1	511
CB 14		2	6	764	20	258	2	1,022
CB 15		1	3	382	10	129	1	511
CB 16		1	3	382	10	129	1	511
CB 17		2	6	706	16	114	2	820
CB 18		2	6	706	16	114	2	820
CB 19		2	6	706	16	114	2	820
CB 20		2	6	706	16	114	2	820
CROSSBEAM	M. Tota	1	108	13,664	324	4,212	36	17,876
IS 1		3	0	0	0	0	3	435
IS 2		1	0	0	0	0	1	145
IS 3		1	0	0	0	0	1	145
IS 4		1	0	0	0	0	1	145
IS 5		1	0	0	0	0	1	145

Name	Set	Large		Small		Number	Whole		SM570
		S. Number	S. Weight (Kg)	S. Number	S. Weight (Kg)		Weight (Kg)	Weight (Kg)	
IS 6		3	0	0	0	3	435	0	
IS 7		1	0	0	0	1	145	0	
IS 8		1	0	0	0	1	145	0	
IS 9		1	0	0	0	1	145	0	
IS 10		1	0	0	0	1	145	0	
IS 11		3	0	0	0	3	435	0	
IS 12		2	0	0	0	2	290	0	
IS 13		2	0	0	0	2	290	0	
IS 14		4	0	0	0	4	580	0	
IS 15		1	0	0	0	1	145	0	
IS 16		1	0	0	0	1	145	0	
IS 17		1	0	0	0	1	145	0	
IS 18		4	0	0	0	4	580	0	
IS 19		6	0	0	0	6	870	0	
IS 20		2	0	0	0	2	290	0	
IS 21		1	0	0	0	1	145	0	
IS 22		1	0	0	0	1	145	0	
IS 23		3	0	0	0	3	435	0	
IS 24		2	0	0	0	2	290	0	
IS 25		1	0	0	0	1	145	0	
IS 26		1	0	0	0	1	145	0	
IS 27		2	0	0	0	2	290	0	
IS 28		1	0	0	0	1	145	0	
IS 29		1	0	0	0	1	145	0	
IS 30		1	0	0	0	1	145	0	
IS 31		1	0	0	0	1	145	0	
IS 32		1	0	0	0	1	145	0	
SWAY BRACING	M. Total	1	0	0	0	56	8,120	0	
LL 1		1	0	0	0	1	2,012	0	
LL 2		1	0	0	0	1	3,127	0	
LL 3		1	0	0	0	1	1,929	0	
LATERAL	M. Total	2	0	0	0	6	14,136	0	
MAIN STRUCTURE	Subtotal	1	303	276,027	2,348	63,805	163	362,088	0
SUPPOT B2		108	0	0	0	1,296	0	1,296	0
SUPPOT S3		6	0	0	0	42	0	42	0
DRAINAGE	M. Total	1	0	0	0	1,338	0	1,338	0
ACCESSORY	Subtotal	1	0	0	0	1,338	0	1,338	0
I-GIRDER	Subtotal	1	303	276,027	2,348	65,143	163	363,426	0
—	Subtotal	1	303	276,027	2,348	65,143	163	363,426	0
—	Total	1	303	276,027	2,348	65,143	163	363,426	0

1.6 Extension of large welded T-joint

<GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G1 1	WEB	10092	4	1	40,368
G1 1	M. Total			1	40,368
G1 2	WEB	10168	4	1	40,672
G1 2	M. Total			1	40,672
G1 3	WEB	8723	4	1	34,892
G1 3	M. Total			1	34,892
G1 4	WEB	10604	4	1	42,416
G1 4	M. Total			1	42,416
G1 5	WEB	7834	4	1	31,336
G1 5	M. Total			1	31,336
G1 6	WEB	9139	4	1	36,556
G1 6	M. Total			1	36,556
G1 7	WEB	9144	4	1	36,576
G1 7	M. Total			1	36,576
G1 8	WEB	9149	4	1	36,596
G1 8	M. Total			1	36,596
G1 9	WEB	7854	4	1	31,416
G1 9	M. Total			1	31,416
G1 10	WEB	10635	4	1	42,540
G1 10	M. Total			1	42,540
G1 11	WEB	8765	4	1	35,060
G1 11	M. Total			1	35,060
G1 12	WEB	10222	4	1	40,888
G1 12	M. Total			1	40,888
G1 13	WEB	10151	4	1	40,604
G1 13	M. Total			1	40,604
G1 HANG 1	M. Total			1	0
G1 SPL 1	M. Total			1	0
G1 SPL 2	M. Total			1	0
G1 SPL 3	M. Total			1	0
G1 SPL 4	M. Total			1	0
G1 SPL 5	M. Total			1	0
G1 SPL 6	M. Total			1	0
G1 SPL 7	M. Total			1	0
G1 SPL 8	M. Total			1	0
G1 SPL 9	M. Total			1	0
G1 SPL 10	M. Total			1	0
G1 SPL 11	M. Total			1	0
G1 SPL 12	M. Total			1	0
G2 1	WEB	10092	4	1	40,368
G2 1	M. Total			1	40,368
G2 2	WEB	10168	4	1	40,672
G2 2	M. Total			1	40,672
G2 3	WEB	8723	4	1	34,892
G2 3	M. Total			1	34,892
G2 4	WEB	10604	4	1	42,416
G2 4	M. Total			1	42,416
G2 5	WEB	7834	4	1	31,336
G2 5	M. Total			1	31,336
G2 6	WEB	9139	4	1	36,556
G2 6	M. Total			1	36,556
G2 7	WEB	9144	4	1	36,576
G2 7	M. Total			1	36,576
G2 8	WEB	9149	4	1	36,596
G2 8	M. Total			1	36,596
	WEB	7854	4	1	31,416

<GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G2 9	M. Total			1	31,416
	WEB	10635	4	1	42,540
G2 10	M. Total			1	42,540
	WEB	8765	4	1	35,060
G2 11	M. Total			1	35,060
	WEB	10222	4	1	40,888
G2 12	M. Total			1	40,888
	WEB	10151	4	1	40,604
G2 13	M. Total			1	40,604
G2 HANG 1	M. Total			1	0
G2 SPL 1	M. Total			1	0
G2 SPL 2	M. Total			1	0
G2 SPL 3	M. Total			1	0
G2 SPL 4	M. Total			1	0
G2 SPL 5	M. Total			1	0
G2 SPL 6	M. Total			1	0
G2 SPL 7	M. Total			1	0
G2 SPL 8	M. Total			1	0
G2 SPL 9	M. Total			1	0
G2 SPL 10	M. Total			1	0
G2 SPL 11	M. Total			1	0
G2 SPL 12	M. Total			1	0
	WEB	10092	4	1	40,368
G3 1	M. Total			1	40,368
	WEB	10168	4	1	40,672
G3 2	M. Total			1	40,672
	WEB	8723	4	1	34,892
G3 3	M. Total			1	34,892
	WEB	10604	4	1	42,416
G3 4	M. Total			1	42,416
	WEB	7834	4	1	31,336
G3 5	M. Total			1	31,336
	WEB	9139	4	1	36,556
G3 6	M. Total			1	36,556
	WEB	9144	4	1	36,576
G3 7	M. Total			1	36,576
	WEB	9149	4	1	36,596
G3 8	M. Total			1	36,596
	WEB	7854	4	1	31,416
G3 9	M. Total			1	31,416
	WEB	10635	4	1	42,540
G3 10	M. Total			1	42,540
	WEB	8765	4	1	35,060
G3 11	M. Total			1	35,060
	WEB	10222	4	1	40,888
G3 12	M. Total			1	40,888
	WEB	10151	4	1	40,604
G3 13	M. Total			1	40,604
G3 HANG 1	M. Total			1	0
G3 SPL 1	M. Total			1	0
G3 SPL 2	M. Total			1	0
G3 SPL 3	M. Total			1	0
G3 SPL 4	M. Total			1	0
G3 SPL 5	M. Total			1	0
G3 SPL 6	M. Total			1	0
G3 SPL 7	M. Total			1	0

<GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G3 SPL 8	M. Total			1	0
G3 SPL 9	M. Total			1	0
G3 SPL 10	M. Total			1	0
G3 SPL 11	M. Total			1	0
G3 SPL 12	M. Total			1	0
	WEB	10092	4	1	40,368
G4 1	M. Total			1	40,368
	WEB	10168	4	1	40,672
G4 2	M. Total			1	40,672
	WEB	8723	4	1	34,892
G4 3	M. Total			1	34,892
	WEB	10604	4	1	42,416
G4 4	M. Total			1	42,416
	WEB	7834	4	1	31,336
G4 5	M. Total			1	31,336
	WEB	9139	4	1	36,556
G4 6	M. Total			1	36,556
	WEB	9144	4	1	36,576
G4 7	M. Total			1	36,576
	WEB	9149	4	1	36,596
G4 8	M. Total			1	36,596
	WEB	7854	4	1	31,416
G4 9	M. Total			1	31,416
	WEB	10635	4	1	42,540
G4 10	M. Total			1	42,540
	WEB	8765	4	1	35,060
G4 11	M. Total			1	35,060
	WEB	10222	4	1	40,888
G4 12	M. Total			1	40,888
	WEB	10151	4	1	40,604
G4 13	M. Total			1	40,604
G4 HANG 1	M. Total			1	0
G4 SPL 1	M. Total			1	0
G4 SPL 2	M. Total			1	0
G4 SPL 3	M. Total			1	0
G4 SPL 4	M. Total			1	0
G4 SPL 5	M. Total			1	0
G4 SPL 6	M. Total			1	0
G4 SPL 7	M. Total			1	0
G4 SPL 8	M. Total			1	0
G4 SPL 9	M. Total			1	0
G4 SPL 10	M. Total			1	0
G4 SPL 11	M. Total			1	0
G4 SPL 12	M. Total			1	0
	WEB	10092	4	1	40,368
G5 1	M. Total			1	40,368
	WEB	10168	4	1	40,672
G5 2	M. Total			1	40,672
	WEB	8723	4	1	34,892
G5 3	M. Total			1	34,892
	WEB	10604	4	1	42,416
G5 4	M. Total			1	42,416
	WEB	7834	4	1	31,336
G5 5	M. Total			1	31,336
	WEB	9139	4	1	36,556
G5 6	M. Total			1	36,556

<GIRDER>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
G5 7	WEB	9144	4	1	36,576
	M. Total			1	36,576
G5 8	WEB	9149	4	1	36,596
	M. Total			1	36,596
G5 9	WEB	7854	4	1	31,416
	M. Total			1	31,416
G5 10	WEB	10635	4	1	42,540
	M. Total			1	42,540
G5 11	WEB	8765	4	1	35,060
	M. Total			1	35,060
G5 12	WEB	10222	4	1	40,888
	M. Total			1	40,888
G5 13	WEB	10151	4	1	40,604
	M. Total			1	40,604
G5 HANG 1	M. Total			1	0
G5 SPL 1	M. Total			1	0
G5 SPL 2	M. Total			1	0
G5 SPL 3	M. Total			1	0
G5 SPL 4	M. Total			1	0
G5 SPL 5	M. Total			1	0
G5 SPL 6	M. Total			1	0
G5 SPL 7	M. Total			1	0
G5 SPL 8	M. Total			1	0
G5 SPL 9	M. Total			1	0
G5 SPL 10	M. Total			1	0
G5 SPL 11	M. Total			1	0
G5 SPL 12	M. Total			1	0
G1, G5 JACKUP S1	M. Total			2	0
G2~G4 JACKUP S1	M. Total			3	0
G1, G5 JACKUP S2	M. Total			2	0
G2~G4 JACKUP S2	M. Total			3	0
G1, G5 JACKUP PF12	M. Total			2	0
G3 JACKUP PF12	M. Total			1	0
G2, G4 JACKUP PF12	M. Total			2	0
G1, G5 JACKUP PF13	M. Total			2	0
G3 JACKUP PF13	M. Total			1	0
G2, G4 JACKUP PF13	M. Total			2	0
Total					2,449,600

<CROSSBEAM>

Name	Mtas. I	W	Line	Numbe	Welding (mm)
ECB 1	WEB	2230	4	1	8,920
	M. Total			2	17,840
ECB 2	WEB	2230	4	1	8,920
	M. Total			2	17,840
ECB 3	WEB	2230	4	1	8,920
	M. Total			2	17,840
ECB 4	WEB	2230	4	1	8,920
	M. Total			2	17,840
CB 1	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 2	WEB	2306	4	1	9,224
	M. Total			2	18,448
CB 3	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 4	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 5	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 6	WEB	2306	4	1	9,224
	M. Total			2	18,448
CB 7	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 8	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 9	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 10	WEB	2306	4	1	9,224
	M. Total			2	18,448
CB 11	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 12	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 13	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 14	WEB	2306	4	1	9,224
	M. Total			2	18,448
CB 15	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 16	WEB	2306	4	1	9,224
	M. Total			1	9,224
CB 17	WEB	2146	4	1	8,584
	M. Total			2	17,168
CB 18	WEB	2146	4	1	8,584
	M. Total			2	17,168
CB 19	WEB	2146	4	1	8,584
	M. Total			2	17,168
CB 20	WEB	2146	4	1	8,584
	M. Total			2	17,168
Total					324,512

<SWAY BRACING>

Name	Mtas. I	W Line Numbe	Welding (mm)
IS 1	M. Total	3	0
IS 2	M. Total	1	0
IS 3	M. Total	1	0
IS 4	M. Total	1	0
IS 5	M. Total	1	0
IS 6	M. Total	3	0
IS 7	M. Total	1	0
IS 8	M. Total	1	0
IS 9	M. Total	1	0
IS 10	M. Total	1	0
IS 11	M. Total	3	0
IS 12	M. Total	2	0
IS 13	M. Total	2	0
IS 14	M. Total	4	0
IS 15	M. Total	1	0
IS 16	M. Total	1	0
IS 17	M. Total	1	0
IS 18	M. Total	4	0
IS 19	M. Total	6	0
IS 20	M. Total	2	0
IS 21	M. Total	1	0
IS 22	M. Total	1	0
IS 23	M. Total	3	0
IS 24	M. Total	2	0
IS 25	M. Total	1	0
IS 26	M. Total	1	0
IS 27	M. Total	2	0
IS 28	M. Total	1	0
IS 29	M. Total	1	0
IS 30	M. Total	1	0
IS 31	M. Total	1	0
IS 32	M. Total	1	0
Total			0

<LATERAL>

Name	Mtas. I	W Line Numbe	Welding (mm)
LL 1	M. Total	1	0
LL 2	M. Total	1	0
LL 3	M. Total	1	0
Total			0

<DRAINAGE>

Name	Mtas. I	W Line Numbe	Welding (mm)
SUPPOT B2	M. Total	108	0
SUPPOT S3	M. Total	6	0
Total			0

1.7 Summary list of various materials
 1.7.1 Drainage

Drainage of superstructure

Item		Unit	Quantity	Remark
Pipe length	200A	m	220.6	VP
Straight pipe	200A	m	165.8	VP
Curve pipe	200A	No.	22	VP
Expansion joint	HORIZONTAL PULLING	No.	14	VP
	VERTICAL PULLING	No.	6	
End cap	VP200A	No.	2	
Device for flexible tube		set	12	For straight pipe
Flexible tube	ø20	m	15.2	SUS304
Flexible tube joint	ø20	No.	12	Polyvinyl chloride pipe
Drain pipe on deck slab		m	254.8	ø 20
Edge joint treatment		m	509.6	
Extension of molding joint		m	509.6	
Joint filler		m ²	1340.9	Coated waterproofing membrane
Catch pit		No.	18	400x320

1.7.2 Bearing

Item	Classification	Unit	Quantity	Application
Rubber bearing	Rmax= 774 kN	piece	10	PF11, PF14
Rubber bearing	Rmax= 2491 kN	piece	10	PF12, PF13

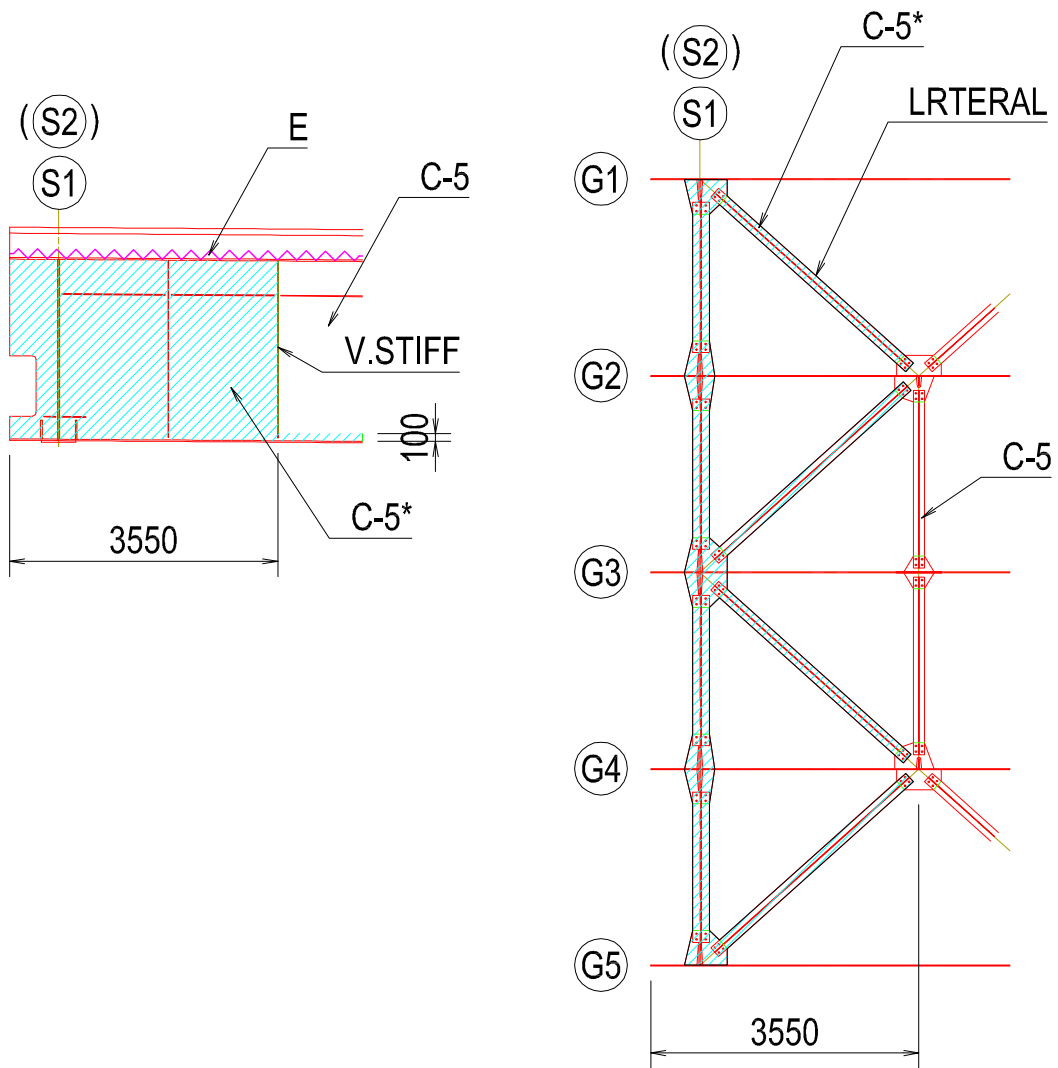
1.8 Summary list of painting area

Summary list of painting area

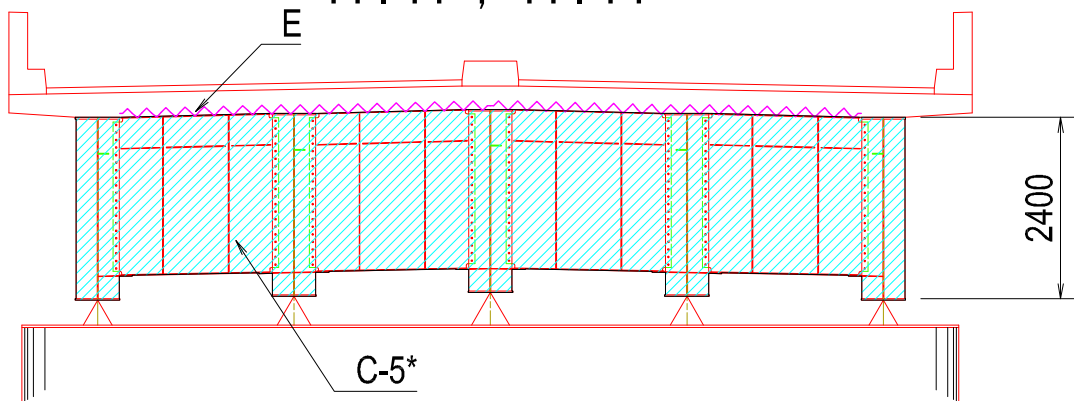
Classification of painting		Painting area(m2)	Painting division (Painting system)
Exterior painting	Factory painting	4151.3	C-5
	Spot painting	278.8	F-11
Internal painting	Factory painting(B1+D1)	0.0	D-5
	Spot painting(B2+F2+D2)	0.0	F-12
Concrete contact	Factory painting	345.7	INORGANIC ZINC-RICH PAINT
	Spot painting	27.3	INORGANIC ZINC-RICH PAINT
Contact surface of splicing part		499.6	INORGANIC ZINC-RICH PAINT
Additional painting	Factory painting	1174.1	C-5*
	Spot painting	58.4	F-11*

Painting division figure(1/2)

Figure end painting range



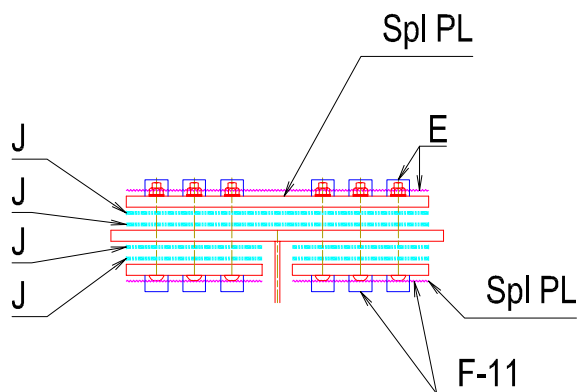
PF. 11 , PF. 14



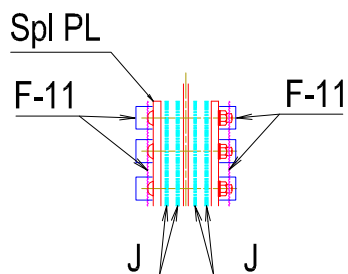
A : Exterior painting	Ordinary Part (C-5)	J : Contact surface of splicing part (J)
	Splicing Part (F-11)	E : Bolt head Exterior painting (F-11)
B : Internal painting	Ordinary Part (D-5)	F : Bolt head Internal painting (F-12)
	Splicing Part (F-12)	G : Bolt head concrete contact (E)
C : Concrete contact surface (E)		I : Bolt head additional painting (F-11*)
D : Internal painting (D-5)		
U : Additional painting	Ordinary Part (C-5*)	
	Splicing Part (F-11*)	

Painting division figure(2/2)

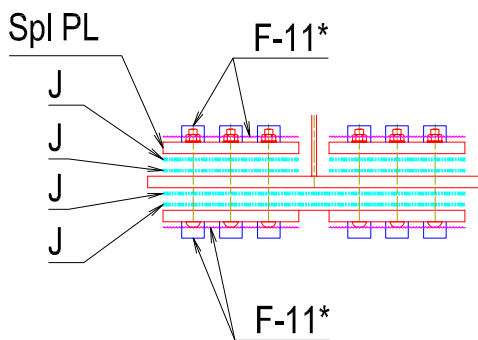
GIRDER U. FLG



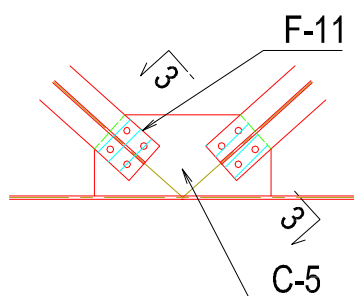
WEB



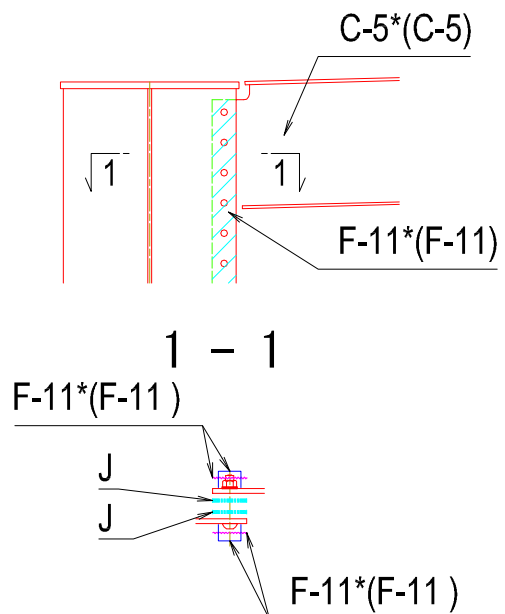
L. FLG



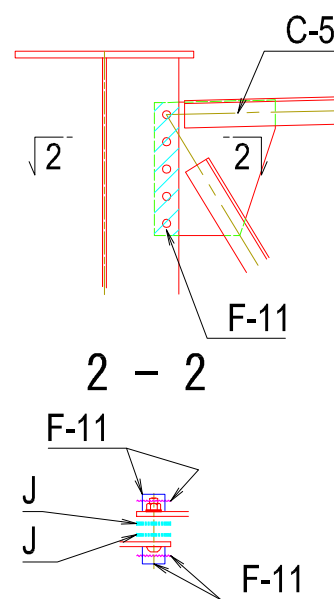
LRTERAL



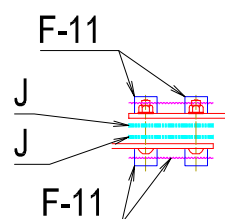
CROSS BEAM



SWAY BRACING



3 - 3



1.9 Galvanizing

[Unit:kg]

Shape	Quality	Size	Main construction		The sum total	Standard
			Superstructure drainage	Main body meter		
PL	SM400A	6	972	972	972	HDZ55
	Subtotal		972	972	972	–
FB	SS400	100 x 6.0	252	252	252	HDZ55
	Subtotal of steel		1,224	1,224	1,224	–
B.N	SS400	M 12 x 45	6	6	6	HDZ35
		M 12 x 40	114	114	114	“
Subtotal			120	120	120	–
W	SS400	M 12	120	120	120	HDZ35
	Subtotal		240	240	240	–
Subtotal of purchased part			240	240	240	
Total			1,464	1,464	1,464	

[Unit:kg]

Standard	Volume
HDZ55	1,224
HDZ45	0
HDZ35	240

1.10 Quantity of slab

Summary sheet(1/2)

Summary Sheet (1/2)

Item		Unit	Quantity	Remarks
Concrete		RC slab	m ³	420.5
Form		Slab	m ²	1264.2
Reinforcement bar	RC Slab	D22	kg	1,970
		D19	kg	67,568
		D16	kg	15,664
		D13	kg	3,807
		Total	kg	89,009
Asphalt pavement		Roadway	m ²	1340.9
		t=80mm Surface layer t=40mm Leveling layer t=40mm		

Summary sheet (2/2)

			Specification		Unit	Quantity	Remarks
Bridge deck	Concrete cube barrier and median	Concrete volume	$\sigma_{ck} = 24 \text{ N/mm}^2$		m^3	114.4	
		Form area	Side·edge·bottom molding box		m^2	611.1	
		Contraction joint	t= 10 mm		m^2	4.0	
		V cut			$\varnothing$	40.2	
		Reinforcement bar	SD345	D16	kg	9260	
				D13	″	8510	
				Total	″	17770	
Illumination post pedestal	Concrete volume	$\sigma_{ck} = 24 \text{ N/mm}^2$		m^3	8.3	3 unit	
	Form area			m^2	46.8		
	Reinforcement bar			kg	720		

2. Main construction

2.1 Weight of steel material weight

<GIRDER> Block:G1 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,075	1	172.700	1027.000	1,027	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2378 x 12.0	10,092	1	94.200	2238.000	2,238	SM490YA	99	WEB		L		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	1,364	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	510 x 28.0	510	1	219.800	57.200	57	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,152
Small Shape	Number	19	Weight	628
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,368 mm			

1 Block Total Weight 4,780 Kg

<GIRDER> Block:G1 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,150	1	172.700	1034.000	1,034	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2380 x 12.0	10,168	1	94.200	2280.000	2,280	SM490YA		WEB		L		
PL	240 x 20.0	2,378	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,207
Small Shape	Number	16	Weight	434
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,672 mm			

1 Block Total Weight 4,641 Kg

<GIRDER> Block:G1 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 20.0	8,700	1	157.000	806.000	806	SM490YB		U. FLG		L		
PL	590 x 23.0	8,700	1	180.600	927.000	927	SM490YB		L. FLG		L		
PL	2382 x 12.0	8,723	1	94.200	1957.000	1,957	SM490YA		WEB		L		
PL	240 x 20.0	2,380	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,380	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,690
Small Shape	Number	17	Weight	382
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	34,892 mm			

1 Block Total Weight 4,072 Kg

<GIRDER> Block:G1 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 31.0	10,575	1	243.400	1519.000	1,519	SM490YB		U. FLG		L		
PL	750 x 39.0	10,575	1	306.200	1967.000	1,967	SM490YB	81	L. FLG		L		
PL	2372 x 12.0	10,604	1	94.200	2369.000	2,369	SM490YA		WEB		L		
PL	240 x 20.0	2,369	1	157.000	89.300	89	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	130 x 10.0	2,369	6	78.500	24.200	145	SM400A		V. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	710 x 34.0	710	1	266.900	135.000	135	SM490B		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	5,855
Small Shape	Number	23	Weight	857
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,416 mm			

1 Block Total Weight 6,712 Kg

<GIRDER> Block:G1 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 23.0	7,800	1	180.600	831.000	831	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,834	1	94.200	1758.000	1,758	SM490YA		WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,276
Small Shape	Number	17	Weight	426
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,336 mm			

1 Block Total Weight 3,702 Kg

<GIRDER> Block:G1 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,139	1	94.200	2025.000	2,025	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,374	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,922
Small Shape	Number	16	Weight	418
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,556 mm			

1 Block Total Weight 4,340 Kg

<GIRDER> Block:G1 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 21.0	9,100	1	164.800	885.000	885	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,144	1	94.200	2026.000	2,026	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	1	157.000	89.500	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	6	78.500	23.900	143	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	4	94.200	16.100	64	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	2	94.200	16.000	32	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,007
Small Shape	Number	15	Weight	347
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,576 mm			

1 Block Total Weight 4,354 Kg

<GIRDER> Block:G1 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,149	1	94.200	2027.000	2,027	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,374	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,924
Small Shape	Number	16	Weight	418
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,596 mm			

1 Block Total Weight 4,342 Kg

<GIRDER> Block:G1 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 23.0	7,800	1	180.600	831.000	831	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,854	1	94.200	1745.000	1,745	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,263
Small Shape	Number	17	Weight	426
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,416 mm			

1 Block Total Weight 3,689 Kg

<GIRDER> Block:G1 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 31.0	10,575	1	243.400	1519.000	1,519	SM490YB		U. FLG		L		
PL	750 x 39.0	10,575	1	306.200	1967.000	1,967	SM490YB	81	L. FLG		L		
PL	2371 x 12.0	10,635	1	94.200	2352.000	2,352	SM490YA	99	WEB		L		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	240 x 20.0	2,369	1	157.000	89.300	89	SM400A		V. STIF		S		
PL	130 x 10.0	2,369	6	78.500	24.200	145	SM400A		V. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	710 x 42.0	710	1	329.700	166.000	166	SM490C		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	5,838
Small Shape	Number	23	Weight	888
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,540 mm			

1 Block Total Weight 6,726 Kg

<GIRDER> Block:G1 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 20.0	8,700	1	157.000	806.000	806	SM490YB		U. FLG		L		
PL	590 x 23.0	8,700	1	180.600	927.000	927	SM490YB		L. FLG		L		
PL	2381 x 12.0	8,765	1	94.200	1946.000	1,946	SM490YA	99	WEB		L		
PL	240 x 20.0	2,380	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,380	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,679
Small Shape	Number	17	Weight	382
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	35,060 mm			

1 Block Total Weight 4,061 Kg

<GIRDER> Block:G1 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 22.0	10,150	1	172.700	1034.000	1,034	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2379 x 12.0	10,222	1	94.200	2268.000	2,268	SM490YA	99	WEB		L		
PL	240 x 20.0	2,378	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,195
Small Shape	Number	16	Weight	434
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,888 mm			

1 Block Total Weight 4,629 Kg

<GIRDER> Block:G1 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,075	1	172.700	1027.000	1,027	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2377 x 12.0	10,151	1	94.200	2228.000	2,228	SM490YA	98	WEB		L		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	3	94.200	18.100	54	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	510 x 40.0	510	1	314.000	81.700	82	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,142
Small Shape	Number	20	Weight	671
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,604 mm			

1 Block Total Weight 4,813 Kg

<GIRDER> Block:G1 HANG 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	270	136	70.650	1.910	260	SM400A		HANG		S. W		
PL	100 x 9.0	120	68	70.650	0.848	58	SM400A		HANG		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	318
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 318 Kg

<GIRDER> Block:G1 SPL 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs							
PL	260 x 14.0	480	2	109.900	13.700	27	SM490YA		UF. SPL			S								
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		UF. SPL			S								
TCB	M 22	85	36		0.568	20	S10T		U. FLG			B								
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL			S								
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL			S								
TCB	M 22	80	40		0.553	22	S10T		L. FLG			B								
PL	2243 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL			S								
TCB	M 22	65	138		0.508	70	S10T		WEB			B								
	Large Shape	Number	0		Weight	0														
	Small Shape	Number	8		Weight	268														
	Acc Small				Weight	0														
	Other Acc				Weight	0														
	Butt Joint		0 mm																	
	TWELD LENGTH		0 mm																	
1 Block Total					Weight	380 Kg														

<GIRDER> Block:G1 SPL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL			S	
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL			S	
TCB	M 22	85	40		0.568	23	S10T		U. FLG			B	
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL			S	
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL			S	
TCB	M 22	85	40		0.568	23	S10T		L. FLG			B	
PL	2244 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL			S	
TCB	M 22	65	138		0.508	70	S10T		WEB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	11		Weight	287							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	403 Kg							

<GIRDER> Block:G1 SPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 11.0	315	2	86.350	6.220	12	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2245 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	320
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 443 Kg

<GIRDER> Block:G1 SPL 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 12.0	315	2	94.200	6.790	14	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2246 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	322
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 445 Kg

<GIRDER> Block:G1 SPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 8.0	165	2	62.800	2.690	5	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2247 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	257
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 364 Kg

<GIRDER> Block:G1 SPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	780	2	125.600	25.500	51	SM490YA		UF. SPL		S		
PL	580 x 14.0	780	1	109.900	49.700	50	SM490YA		UF. SPL		S		
TCB	M 22	95	60		0.598	36	S10T		U. FLG		B		
PL	260 x 14.0	930	2	109.900	19.400	39	SM490YA	73	LF. SPL		S		
PL	580 x 14.0	930	1	109.900	45.100	45	SM490YA	76	LF. SPL		S		
PL	580 x 3.2	465	1	25.120	5.150	5	SS400	76	FILL		S		
TCB	M 22	85	48		0.568	27	S10T		L. FLG		B		
PL	2248 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	9	Weight	342
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 475 Kg

<GIRDER> Block:G1 SPL 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	780	2	125.600	25.500	51	SM490YA		UF. SPL		S		
PL	580 x 14.0	780	1	109.900	49.700	50	SM490YA		UF. SPL		S		
TCB	M 22	95	60		0.598	36	S10T		U. FLG		B		
PL	260 x 14.0	930	2	109.900	19.400	39	SM490YA	73	LF. SPL		S		
PL	580 x 14.0	930	1	109.900	45.100	45	SM490YA	76	LF. SPL		S		
PL	580 x 3.2	465	1	25.120	5.150	5	SS400	76	FILL		S		
TCB	M 22	85	48		0.568	27	S10T		L. FLG		B		
PL	2249 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	9	Weight	343
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 476 Kg

<GIRDER> Block:G1 SPL 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 8.0	165	2	62.800	2.690	5	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2250 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	258
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 365 Kg

<GIRDER> Block:G1 SPL 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 12.0	315	2	94.200	6.790	14	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2251 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	323
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 446 Kg

<GIRDER> Block:G1 SPL 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 11.0	315	2	86.350	6.220	12	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2252 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	321
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 444 Kg

<GIRDER> Block:G1 SPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2253 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	288
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 404 Kg

<GIRDER> Block:G1 SPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	480	2	109.900	13.700	27	SM490YA		UF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		UF. SPL		S		
TCB	M 22	85	36		0.568	20	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2254 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	269
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 381 Kg

<GIRDER> Block:G2 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG			L	
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG			L	
PL	2379 x 12.0	10,092	1	94.200	2239.000	2,239	SM490YA	99	WEB			L	
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF			S	
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF			S	
PL	140 x 12.0	1,364	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF			S	
PL	140 x 12.0	1,370	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,365	2	94.200	18.000	36	SM400A		H. STIF			S	
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF			S	
PL	510 x 28.0	510	1	219.800	57.200	57	SM490B		SOLE			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC			S. W	
	Large Shape	Number	3		Weight	4,106							
	Small Shape	Number	20		Weight	718							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		40,368 mm										
1 Block Total					Weight	4.824 Kg							

<GIRDER> Block:G2 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2381 x 12.0	10,168	1	94.200	2281.000	2,281	SM490YA		WEB		L		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	4,161
Small Shape	Number	26	Weight	653
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,672 mm			

1 Block Total Weight 4,814 Kg

<GIRDER> Block:G2 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2383 x 12.0	8,723	1	94.200	1958.000	1,958	SM490YA		WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,570
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	34,892 mm			

1 Block Total Weight 4,042 Kg

<GIRDER> Block:G2 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 22.0	10,575	1	172.700	1077.000	1,077	SM490YB		U. FLG		L		
PL	750 x 29.0	10,575	1	227.600	1462.000	1,462	SM490YB	81	L. FLG		L		
PL	2381 x 12.0	10,604	1	94.200	2379.000	2,379	SM490YA		WEB		L		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	710 x 34.0	710	1	266.900	135.000	135	SM490B		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,918
Small Shape	Number	24	Weight	949
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,416 mm			

1 Block Total Weight 5,867 Kg

<GIRDER> Block:G2 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,834	1	94.200	1758.000	1,758	SM490YA		WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,203
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,336 mm			

1 Block Total Weight 3,808 Kg

<GIRDER> Block:G2 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG			L	
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG			L	
PL	2377 x 12.0	9,139	1	94.200	2026.000	2,026	SM490YA	99	WEB			L	
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,375	1	78.500	24.200	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,340	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF			S	
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF			S	
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC			S. W	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
Large Shape		Number	3		Weight	3,880							
Small Shape		Number	26		Weight	637							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint		0 mm											
TWELD LENGTH		36,556 mm											
1 Block Total					Weight	4,517 Kg							

<GIRDER> Block:G2 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG			L	
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG			L	
PL	2377 x 12.0	9,144	1	94.200	2027.000	2,027	SM490YA	99	WEB			L	
PL	240 x 20.0	2,375	1	157.000	89.500	90	SM400A		V. STIF			S	
PL	240 x 20.0	2,375	1	157.000	89.500	90	SM400A		V. STIF			S	
PL	130 x 10.0	2,340	6	78.500	23.900	143	SM400A		V. STIF			S	
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	4	94.200	16.100	64	SM400A		H. STIF			S	
PL	140 x 12.0	1,215	2	94.200	16.000	32	SM400A		H. STIF			S	
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC			S. W	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
Large Shape		Number	3		Weight	3,881							
Small Shape		Number	24		Weight	477							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			36,576 mm										
1 Block Total					Weight	4,358 Kg							

<GIRDER> Block:G2 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2377 x 12.0	9,149	1	94.200	2028.000	2,028	SM490YA	99	WEB		L		
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,340	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,375	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	3,882
Small Shape	Number	26	Weight	637
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,596 mm			

1 Block Total Weight 4,519 Kg

<GIRDER> Block:G2 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,854	1	94.200	1745.000	1,745	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,190
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,416 mm			

1 Block Total Weight 3,795 Kg

<GIRDER> Block:G2 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 22.0	10,575	1	172.700	1077.000	1,077	SM490YB		U. FLG		L		
PL	750 x 29.0	10,575	1	227.600	1462.000	1,462	SM490YB	81	L. FLG		L		
PL	2380 x 12.0	10,635	1	94.200	2360.000	2,360	SM490YA	99	WEB		L		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	710 x 42.0	710	1	329.700	166.000	166	SM490C		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,899
Small Shape	Number	24	Weight	980
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,540 mm			

1 Block Total Weight 5,879 Kg

<GIRDER> Block:G2 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2382 x 12.0	8,765	1	94.200	1947.000	1,947	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,559
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	35,060 mm			

1 Block Total Weight 4,031 Kg

<GIRDER> Block:G2 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG			L	
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG			L	
PL	2380 x 12.0	10,222	1	94.200	2269.000	2,269	SM490YA	99	WEB			L	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,366	4	94.200	18.000	72	SM400A		H. STIF			S	
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF			S	
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC			S. W	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
	Large Shape	Number	3		Weight	4,149							
	Small Shape	Number	26		Weight	653							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	TWELD LENGTH	40,888 mm											
1 Block Total					Weight	4.802 Kg							

<GIRDER> Block:G2 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2378 x 12.0	10,151	1	94.200	2229.000	2,229	SM490YA	98	WEB		L		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	510 x 40.0	510	1	314.000	81.700	82	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,096
Small Shape	Number	20	Weight	743
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,604 mm			

1 Block Total Weight 4,839 Kg

<GIRDER> Block:G2 HANG 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	120	136	70.650	0.848	115	SM400A		HANG			S. W	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	115							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										

1 Block Total Weight 115 Kg

<GIRDER> Block:G2 SPL 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2243 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	249
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 354 Kg

<GIRDER> Block:G2 SPL 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		UF. SPL		S		
PL	580 x 10.0	480	1	78.500	21.900	22	SM490YA		UF. SPL		S		
PL	260 x 2.3	240	2	18.060	1.130	2	SS400		FILL		S		
TCB	M 22	80	36		0.553	20	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2244 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	266
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 379 Kg

<GIRDER> Block:G2 SPL 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2245 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	278
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 392 Kg

<GIRDER> Block:G2 SPL 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2246 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	278
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 392 Kg

<GIRDER> Block:G2 SPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 6.0	165	2	47.100	2.020	4	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2247 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	253
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 360 Kg

<GIRDER> Block:G2 SPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	630	2	125.600	20.600	41	SM490YA		UF. SPL		S		
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL		S		
TCB	M 22	90	48		0.583	28	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2248 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	296
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 416 Kg

<GIRDER> Block:G2 SPL 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	630	2	125.600	20.600	41	SM490YA		UF. SPL			S	
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL			S	
TCB	M 22	90	48		0.583	28	S10T		U. FLG			B	
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL			S	
TCB	M 22	80	40		0.553	22	S10T		L. FLG			B	
PL	2249 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL			S	
TCB	M 22	65	138		0.508	70	S10T		WEB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	8		Weight	297							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	417 Kg							

<GIRDER> Block:G2 SPL 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 6.0	165	2	47.100	2.020	4	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2250 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	11		Weight	254							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	361 Kg							

<GIRDER> Block:G2 SPL 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2251 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	279
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 393 Kg

<GIRDER> Block:G2 SPL 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2252 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	279
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 393 Kg

<GIRDER> Block:G2 SPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		UF. SPL		S		
PL	580 x 10.0	480	1	78.500	21.900	22	SM490YA		UF. SPL		S		
PL	260 x 2.3	240	2	18.060	1.130	2	SS400		FILL		S		
TCB	M 22	80	36		0.553	20	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2253 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	267
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 380 Kg

<GIRDER> Block:G2 SPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2254 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	250
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 355 Kg

<GIRDER> Block:G3 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2379 x 12.0	10,092	1	94.200	2239.000	2,239	SM490YA	99	WEB		L		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	1,364	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	510 x 28.0	510	1	219.800	57.200	57	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		
	Large Shape	Number	3		Weight	4,106							
	Small Shape	Number	20		Weight	718							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		40,368 mm										
1 Block Total					Weight	4,824 Kg							

<GIRDER> Block:G3 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2381 x 12.0	10,168	1	94.200	2281.000	2,281	SM490YA		WEB		L		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	4,161
Small Shape	Number	26	Weight	653
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,672 mm			

1 Block Total Weight 4,814 Kg

<GIRDER> Block:G3 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2383 x 12.0	8,723	1	94.200	1958.000	1,958	SM490YA		WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,570
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	34,892 mm			

1 Block Total Weight 4,042 Kg

<GIRDER> Block:G3 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 21.0	10,575	1	164.800	1028.000	1,028	SM490YB		U. FLG		L		
PL	750 x 27.0	10,575	1	212.000	1362.000	1,362	SM490YB	81	L. FLG		L		
PL	2382 x 12.0	10,604	1	94.200	2379.000	2,379	SM490YA		WEB		L		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	320 x 26.0	2,379	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,379	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	130 x 10.0	2,379	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	710 x 34.0	710	1	266.900	135.000	135	SM490B		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,769
Small Shape	Number	24	Weight	949
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,416 mm			

1 Block Total Weight 5,718 Kg

<GIRDER> Block:G3 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,834	1	94.200	1758.000	1,758	SM490YA		WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,203
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,336 mm			

1 Block Total Weight 3,808 Kg

<GIRDER> Block:G3 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 24.0	9,100	1	188.400	1012.000	1,012	SM490YB		U. FLG			L	
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG			L	
PL	2378 x 12.0	9,139	1	94.200	2026.000	2,026	SM490YA	99	WEB			L	
PL	240 x 20.0	2,376	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,376	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,376	1	78.500	24.200	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,341	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF			S	
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF			S	
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC			S. W	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
Large Shape		Number	3		Weight	3,839							
Small Shape		Number	26		Weight	637							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint		0 mm											
TWELD LENGTH		36,556 mm											
1 Block Total					Weight	4.476 Kg							

<GIRDER> Block:G3 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 24.0	9,100	1	188.400	1012.000	1,012	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2378 x 12.0	9,144	1	94.200	2027.000	2,027	SM490YA	99	WEB		L		
PL	240 x 20.0	2,376	1	157.000	89.500	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,376	1	157.000	89.500	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,341	6	78.500	23.900	143	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	4	94.200	16.100	64	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	2	94.200	16.000	32	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
Large Shape		Number	3		Weight	3,840							
Small Shape		Number	24		Weight	477							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			36,576 mm										
1 Block Total					Weight	4,317 Kg							

<GIRDER> Block:G3 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 24.0	9,100	1	188.400	1012.000	1,012	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2378 x 12.0	9,149	1	94.200	2029.000	2,029	SM490YA	99	WEB		L		
PL	240 x 20.0	2,376	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,376	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,341	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,376	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	3,842
Small Shape	Number	26	Weight	637
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,596 mm			

1 Block Total Weight 4,479 Kg

<GIRDER> Block:G3 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,854	1	94.200	1745.000	1,745	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,190
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,416 mm			

1 Block Total Weight 3,795 Kg

<GIRDER> Block:G3 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,575	1	164.800	1028.000	1,028	SM490YB		U. FLG		L		
PL	750 x 27.0	10,575	1	212.000	1362.000	1,362	SM490YB	81	L. FLG		L		
PL	2381 x 12.0	10,635	1	94.200	2361.000	2,361	SM490YA	99	WEB		L		
PL	320 x 26.0	2,379	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,379	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,379	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	710 x 42.0	710	1	329.700	166.000	166	SM490C		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,751
Small Shape	Number	24	Weight	980
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,540 mm			

1 Block Total Weight 5,731 Kg

<GIRDER> Block:G3 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2382 x 12.0	8,765	1	94.200	1947.000	1,947	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,559
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	35,060 mm			

1 Block Total Weight 4,031 Kg

<GIRDER> Block:G3 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG			L	
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG			L	
PL	2380 x 12.0	10,222	1	94.200	2269.000	2,269	SM490YA	99	WEB			L	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,366	4	94.200	18.000	72	SM400A		H. STIF			S	
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF			S	
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC			S. W	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
	Large Shape	Number	3		Weight	4,149							
	Small Shape	Number	26		Weight	653							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		40,888 mm										
1 Block Total					Weight	4.802 Kg							

<GIRDER> Block:G3 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2378 x 12.0	10,151	1	94.200	2229.000	2,229	SM490YA	98	WEB		L		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	510 x 40.0	510	1	314.000	81.700	82	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,096
Small Shape	Number	20	Weight	743
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,604 mm			

1 Block Total Weight 4,839 Kg

<GIRDER> Block:G3 HANG 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	120	136	70.650	0.848	115	SM400A		HANG			S. W	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	115							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										

1 Block Total Weight 115 Kg

<GIRDER> Block:G3 SPL 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2243 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	249
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 354 Kg

<GIRDER> Block:G3 SPL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2244 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	284
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 400 Kg

<GIRDER> Block:G3 SPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 6.0	240	1	47.100	6.560	7	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2245 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	275
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 389 Kg

<GIRDER> Block:G3 SPL 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 6.0	240	1	47.100	6.560	7	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2246 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	275
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 389 Kg

<GIRDER> Block:G3 SPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 4.5	165	2	35.320	1.520	3	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2247 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	252
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 359 Kg

<GIRDER> Block:G3 SPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		UF. SPL		S		
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL		S		
TCB	M 22	90	48		0.583	28	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2248 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	291
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 411 Kg

<GIRDER> Block:G3 SPL 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		UF. SPL		S		
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL		S		
TCB	M 22	90	48		0.583	28	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2249 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	292
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 412 Kg

<GIRDER> Block:G3 SPL 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 4.5	165	2	35.320	1.520	3	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2250 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	253
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 360 Kg

<GIRDER> Block:G3 SPL 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 6.0	240	1	47.100	6.560	7	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2251 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	276
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 390 Kg

<GIRDER> Block:G3 SPL 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 6.0	240	1	47.100	6.560	7	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2252 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	276
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 390 Kg

<GIRDER> Block:G3 SPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2253 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	285
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 401 Kg

<GIRDER> Block:G3 SPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2254 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	250
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 355 Kg

<GIRDER> Block:G4 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG			L	
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG			L	
PL	2379 x 12.0	10,092	1	94.200	2239.000	2,239	SM490YA	99	WEB			L	
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF			S	
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF			S	
PL	140 x 12.0	1,364	1	94.200	18.000	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF			S	
PL	140 x 12.0	1,370	1	94.200	18.100	18	SM400A		H. STIF			S	
PL	140 x 12.0	1,365	2	94.200	18.000	36	SM400A		H. STIF			S	
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF			S	
PL	510 x 28.0	510	1	219.800	57.200	57	SM490B		SOLE			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB			S	
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC			S. W	
	Large Shape	Number	3		Weight	4,106							
	Small Shape	Number	20		Weight	718							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		40,368 mm										
1 Block Total					Weight	4.824 Kg							

<GIRDER> Block:G4 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2381 x 12.0	10,168	1	94.200	2281.000	2,281	SM490YA		WEB		L		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	4,161
Small Shape	Number	26	Weight	653
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,672 mm			

1 Block Total Weight 4,814 Kg

<GIRDER> Block:G4 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2383 x 12.0	8,723	1	94.200	1958.000	1,958	SM490YA		WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,570
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	34,892 mm			

1 Block Total Weight 4,042 Kg

<GIRDER> Block:G4 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 22.0	10,575	1	172.700	1077.000	1,077	SM490YB		U. FLG		L		
PL	750 x 29.0	10,575	1	227.600	1462.000	1,462	SM490YB	81	L. FLG		L		
PL	2381 x 12.0	10,604	1	94.200	2379.000	2,379	SM490YA		WEB		L		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	710 x 34.0	710	1	266.900	135.000	135	SM490B		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,918
Small Shape	Number	24	Weight	949
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,416 mm			

1 Block Total Weight 5,867 Kg

<GIRDER> Block:G4 5

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,834	1	94.200	1758.000	1,758	SM490YA		WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,203
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,336 mm			

1 Block Total Weight 3,808 Kg

<GIRDER> Block:G4 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG			L	
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG			L	
PL	2377 x 12.0	9,139	1	94.200	2026.000	2,026	SM490YA	99	WEB			L	
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,375	1	78.500	24.200	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,340	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF			S	
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF			S	
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF			S	
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC			S. W	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
	Large Shape	Number	3		Weight	3,880							
	Small Shape	Number	26		Weight	637							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	TWELD LENGTH	36,556 mm											
1 Block Total					Weight	4,517 Kg							

<GIRDER> Block:G4 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG			L	
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG			L	
PL	2377 x 12.0	9,144	1	94.200	2027.000	2,027	SM490YA	99	WEB			L	
PL	240 x 20.0	2,375	1	157.000	89.500	90	SM400A		V. STIF			S	
PL	240 x 20.0	2,375	1	157.000	89.500	90	SM400A		V. STIF			S	
PL	130 x 10.0	2,340	6	78.500	23.900	143	SM400A		V. STIF			S	
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF			S	
PL	140 x 12.0	1,220	4	94.200	16.100	64	SM400A		H. STIF			S	
PL	140 x 12.0	1,215	2	94.200	16.000	32	SM400A		H. STIF			S	
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC			S. W	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
Large Shape		Number	3		Weight	3,881							
Small Shape		Number	24		Weight	477							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			36,576 mm										
1 Block Total					Weight	4,358 Kg							

<GIRDER> Block:G4 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 25.0	9,100	1	196.200	1053.000	1,053	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2377 x 12.0	9,149	1	94.200	2028.000	2,028	SM490YA	99	WEB		L		
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,375	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,340	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,375	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN		S		
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN		S		

Large Shape	Number	3	Weight	3,882
Small Shape	Number	26	Weight	637
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,596 mm			

1 Block Total Weight 4,519 Kg

<GIRDER> Block:G4 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 21.0	7,800	1	164.800	758.000	758	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,854	1	94.200	1745.000	1,745	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,190
Small Shape	Number	19	Weight	605
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,416 mm			

1 Block Total Weight 3,795 Kg

<GIRDER> Block:G4 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,575	1	172.700	1077.000	1,077	SM490YB		U. FLG		L		
PL	750 x 29.0	10,575	1	227.600	1462.000	1,462	SM490YB	81	L. FLG		L		
PL	2380 x 12.0	10,635	1	94.200	2360.000	2,360	SM490YA	99	WEB		L		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,378	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	6	78.500	24.300	146	SM400A		V. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	710 x 42.0	710	1	329.700	166.000	166	SM490C		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,899
Small Shape	Number	24	Weight	980
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,540 mm			

1 Block Total Weight 5,879 Kg

<GIRDER> Block:G4 11

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 19.0	8,700	1	149.200	766.000	766	SM490YB		U. FLG		L		
PL	590 x 21.0	8,700	1	164.800	846.000	846	SM490YB		L. FLG		L		
PL	2382 x 12.0	8,765	1	94.200	1947.000	1,947	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,381	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,559
Small Shape	Number	18	Weight	472
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	35,060 mm			

1 Block Total Weight 4,031 Kg

<GIRDER> Block:G4 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,150	1	164.800	987.000	987	SM490YB		U. FLG			L	
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG			L	
PL	2380 x 12.0	10,222	1	94.200	2269.000	2,269	SM490YA	99	WEB			L	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	240 x 20.0	2,379	2	157.000	89.600	179	SM400A		V. STIF			S	
PL	130 x 10.0	2,379	1	78.500	24.300	24	SM400A		V. STIF			S	
PL	130 x 10.0	2,344	4	78.500	23.900	96	SM400A		V. STIF			S	
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF			S	
PL	140 x 12.0	1,366	4	94.200	18.000	72	SM400A		H. STIF			S	
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF			S	
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC			S. W	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
PL	241 x 10.0	239	1	78.500	4.520	5	SM400A		CONN			S	
PL	270 x 10.0	239	1	78.500	5.070	5	SM400A		CONN			S	
	Large Shape	Number	3		Weight	4,149							
	Small Shape	Number	26		Weight	653							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		40,888 mm										
1 Block Total					Weight	4.802 Kg							

<GIRDER> Block:G4 13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 21.0	10,075	1	164.800	980.000	980	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2378 x 12.0	10,151	1	94.200	2229.000	2,229	SM490YA	98	WEB		L		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	240 x 20.0	2,379	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,379	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,344	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	510 x 40.0	510	1	314.000	81.700	82	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,096
Small Shape	Number	20	Weight	743
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,604 mm			

1 Block Total Weight 4,839 Kg

<GIRDER> Block:G4 HANG 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	120	136	70.650	0.848	115	SM400A		HANG			S. W	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	115							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										

1 Block Total Weight 115 Kg

<GIRDER> Block:G4 SPL 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2243 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	249
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 354 Kg

<GIRDER> Block:G4 SPL 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		UF. SPL		S		
PL	580 x 10.0	480	1	78.500	21.900	22	SM490YA		UF. SPL		S		
PL	260 x 2.3	240	2	18.060	1.130	2	SS400		FILL		S		
TCB	M 22	80	36		0.553	20	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2244 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	266
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 379 Kg

<GIRDER> Block:G4 SPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2245 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	278
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 392 Kg

<GIRDER> Block:G4 SPL 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2246 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	278
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 392 Kg

<GIRDER> Block:G4 SPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 6.0	165	2	47.100	2.020	4	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2247 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	253
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 360 Kg

<GIRDER> Block:G4 SPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	630	2	125.600	20.600	41	SM490YA		UF. SPL		S		
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL		S		
TCB	M 22	90	48		0.583	28	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2248 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	296
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 416 Kg

<GIRDER> Block:G4 SPL 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	630	2	125.600	20.600	41	SM490YA		UF. SPL		S		
PL	580 x 14.0	630	1	109.900	40.200	40	SM490YA		UF. SPL		S		
TCB	M 22	90	48		0.583	28	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2249 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	297
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 417 Kg

<GIRDER> Block:G4 SPL 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 6.0	165	2	47.100	2.020	4	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2250 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	254
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 361 Kg

<GIRDER> Block:G4 SPL 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2251 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	279
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 393 Kg

<GIRDER> Block:G4 SPL 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 3.2	315	2	25.120	1.810	4	SS400	88	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		U. FLG		B		
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		LF. SPL		S		
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		LF. SPL		S		
PL	580 x 8.0	240	1	62.800	8.740	9	SS400		FILL		S		
TCB	M 22	90	36		0.583	21	S10T		L. FLG		B		
PL	2252 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	279
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 393 Kg

<GIRDER> Block:G4 SPL 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	480	2	94.200	11.800	24	SM490YA		UF. SPL		S		
PL	580 x 10.0	480	1	78.500	21.900	22	SM490YA		UF. SPL		S		
PL	260 x 2.3	240	2	18.060	1.130	2	SS400		FILL		S		
TCB	M 22	80	36		0.553	20	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 2.3	315	1	18.060	2.970	3	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2253 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	267
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 380 Kg

<GIRDER> Block:G4 SPL 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 12.0	330	1	94.200	18.000	18	SM490YA		UF. SPL		S		
TCB	M 22	80	24		0.553	13	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
TCB	M 22	80	40		0.553	22	S10T		L. FLG		B		
PL	2254 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	250
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 355 Kg

<GIRDER> Block:G5 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,075	1	172.700	1027.000	1,027	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2378 x 12.0	10,092	1	94.200	2238.000	2,238	SM490YA	99	WEB		L		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	1,364	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	510 x 28.0	510	1	219.800	57.200	57	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,152
Small Shape	Number	19	Weight	628
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,368 mm			

1 Block Total Weight 4,780 Kg

<GIRDER> Block:G5 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,150	1	172.700	1034.000	1,034	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2380 x 12.0	10,168	1	94.200	2280.000	2,280	SM490YA		WEB		L		
PL	240 x 20.0	2,378	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,207
Small Shape	Number	16	Weight	434
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,672 mm			

1 Block Total Weight 4,641 Kg

<GIRDER> Block:G5 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 20.0	8,700	1	157.000	806.000	806	SM490YB		U. FLG		L		
PL	590 x 23.0	8,700	1	180.600	927.000	927	SM490YB		L. FLG		L		
PL	2382 x 12.0	8,723	1	94.200	1957.000	1,957	SM490YA		WEB		L		
PL	240 x 20.0	2,380	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,380	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,690
Small Shape	Number	17	Weight	382
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	34,892 mm			

1 Block Total Weight 4,072 Kg

<GIRDER> Block:G5 4

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 31.0	10,575	1	243.400	1519.000	1,519	SM490YB		U. FLG		L		
PL	750 x 39.0	10,575	1	306.200	1967.000	1,967	SM490YB	81	L. FLG		L		
PL	2372 x 12.0	10,604	1	94.200	2369.000	2,369	SM490YA		WEB		L		
PL	240 x 20.0	2,369	1	157.000	89.300	89	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	130 x 10.0	2,369	6	78.500	24.200	145	SM400A		V. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	710 x 34.0	710	1	266.900	135.000	135	SM490B		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	5,855
Small Shape	Number	23	Weight	857
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,416 mm			

1 Block Total Weight 6,712 Kg

<GIRDER> Block:G5 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 23.0	7,800	1	180.600	831.000	831	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,834	1	94.200	1758.000	1,758	SM490YA		WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,276
Small Shape	Number	17	Weight	426
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,336 mm			

1 Block Total Weight 3,702 Kg

<GIRDER> Block:G5 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,139	1	94.200	2025.000	2,025	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,374	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,922
Small Shape	Number	16	Weight	418
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,556 mm			

1 Block Total Weight 4,340 Kg

<GIRDER> Block:G5 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 21.0	9,100	1	164.800	885.000	885	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,144	1	94.200	2026.000	2,026	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	1	157.000	89.500	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	6	78.500	23.900	143	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	4	94.200	16.100	64	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	2	94.200	16.000	32	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,007
Small Shape	Number	15	Weight	347
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,576 mm			

1 Block Total Weight 4,354 Kg

<GIRDER> Block:G5 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 26.0	9,100	1	204.100	1096.000	1,096	SM490YB		U. FLG		L		
PL	590 x 19.0	9,100	1	149.200	801.000	801	SM490YB		L. FLG		L		
PL	2376 x 12.0	9,149	1	94.200	2027.000	2,027	SM490YA	99	WEB		L		
PL	240 x 20.0	2,374	2	157.000	89.500	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,339	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	130 x 10.0	2,374	1	78.500	24.200	24	SM400A		V. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	3	94.200	16.000	48	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,924
Small Shape	Number	16	Weight	418
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	36,596 mm			

1 Block Total Weight 4,342 Kg

<GIRDER> Block:G5 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 19.0	7,800	1	149.200	687.000	687	SM490YB		U. FLG		L		
PL	590 x 23.0	7,800	1	180.600	831.000	831	SM490YB		L. FLG		L		
PL	2382 x 12.0	7,854	1	94.200	1745.000	1,745	SM490YA	99	WEB		L		
PL	240 x 20.0	2,381	2	157.000	89.700	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,381	4	78.500	24.300	97	SM400A		V. STIF		S		
PL	140 x 12.0	350	2	94.200	4.620	9	SM400A		H. STIF		S		
PL	140 x 12.0	1,215	5	94.200	16.000	80	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	3	94.200	16.100	48	SM400A		H. STIF		S		
PL	140 x 12.0	345	1	94.200	4.550	5	SM400A		H. STIF		S		
RB	D 16	600	8	1.579	0.947	8	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,263
Small Shape	Number	17	Weight	426
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	31,416 mm			

1 Block Total Weight 3,689 Kg

<GIRDER> Block:G5 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 31.0	10,575	1	243.400	1519.000	1,519	SM490YB		U. FLG		L		
PL	750 x 39.0	10,575	1	306.200	1967.000	1,967	SM490YB	81	L. FLG		L		
PL	2371 x 12.0	10,635	1	94.200	2352.000	2,352	SM490YA	99	WEB		L		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	320 x 26.0	2,369	1	204.100	155.000	155	SM400A		V. STIF		S		
PL	240 x 20.0	2,369	1	157.000	89.300	89	SM400A		V. STIF		S		
PL	130 x 10.0	2,369	6	78.500	24.200	145	SM400A		V. STIF		S		
PL	140 x 12.0	350	1	94.200	4.620	5	SM400A		H. STIF		S		
PL	140 x 12.0	1,220	2	94.200	16.100	32	SM400A		H. STIF		S		
PL	140 x 12.0	1,212	1	94.200	16.000	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,237	1	94.200	16.300	16	SM400A		H. STIF		S		
PL	140 x 12.0	1,245	2	94.200	16.400	33	SM400A		H. STIF		S		
PL	140 x 12.0	1,240	1	94.200	16.400	16	SM400A		H. STIF		S		
PL	140 x 12.0	420	1	94.200	5.540	6	SM400A		H. STIF		S		
PL	710 x 42.0	710	1	329.700	166.000	166	SM490C		SOLE		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
PL	320 x 26.0	250	1	204.100	10.800	11	SM400A	66	RIB		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	5,838
Small Shape	Number	23	Weight	888
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	42,540 mm			

1 Block Total Weight 6,726 Kg

<GIRDER> Block:G5 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 20.0	8,700	1	157.000	806.000	806	SM490YB		U. FLG		L		
PL	590 x 23.0	8,700	1	180.600	927.000	927	SM490YB		L. FLG		L		
PL	2381 x 12.0	8,765	1	94.200	1946.000	1,946	SM490YA	99	WEB		L		
PL	240 x 20.0	2,380	1	157.000	89.700	90	SM400A		V. STIF		S		
PL	130 x 10.0	2,380	5	78.500	24.300	122	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,370	4	94.200	18.100	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	4	94.200	18.000	72	SM400A		H. STIF		S		
RB	D 16	600	9	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	3,679
Small Shape	Number	17	Weight	382
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	35,060 mm			

1 Block Total Weight 4,061 Kg

<GIRDER> Block:G5 12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	590 x 22.0	10,150	1	172.700	1034.000	1,034	SM490YB		U. FLG		L		
PL	590 x 19.0	10,150	1	149.200	893.000	893	SM490YB		L. FLG		L		
PL	2379 x 12.0	10,222	1	94.200	2268.000	2,268	SM490YA	99	WEB		L		
PL	240 x 20.0	2,378	2	157.000	89.600	179	SM400A		V. STIF		S		
PL	130 x 10.0	2,378	1	78.500	24.300	24	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	4	78.500	23.900	96	SM400A		V. STIF		S		
PL	140 x 12.0	425	3	94.200	5.600	17	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	4	94.200	18.000	72	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	2	94.200	18.100	36	SM400A		H. STIF		S		
RB	D 16	600	11	1.579	0.947	10	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,195
Small Shape	Number	16	Weight	434
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,888 mm			

1 Block Total Weight 4,629 Kg

<GIRDER> Block:G5 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	590 x 22.0	10,075	1	172.700	1027.000	1,027	SM490YB		U. FLG		L		
PL	590 x 19.0	10,075	1	149.200	887.000	887	SM490YB		L. FLG		L		
PL	2377 x 12.0	10,151	1	94.200	2228.000	2,228	SM490YA	98	WEB		L		
PL	240 x 20.0	2,378	1	157.000	89.600	90	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	280 x 22.0	2,378	1	172.700	115.000	115	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	3	78.500	23.900	72	SM400A		V. STIF		S		
PL	130 x 10.0	2,343	1	78.500	23.900	24	SM400A		V. STIF		S		
PL	140 x 12.0	425	1	94.200	5.600	6	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	3	94.200	18.100	54	SM400A		H. STIF		S		
PL	140 x 12.0	1,371	1	94.200	18.100	18	SM400A		H. STIF		S		
PL	140 x 12.0	1,366	2	94.200	18.000	36	SM400A		H. STIF		S		
PL	140 x 12.0	1,365	1	94.200	18.000	18	SM400A		H. STIF		S		
PL	510 x 40.0	510	1	314.000	81.700	82	SM490B		SOLE		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
PL	280 x 22.0	250	1	172.700	8.100	8	SM400A	67	RIB		S		
RB	D 16	600	10	1.579	0.947	9	SS400		S. ANC		S. W		

Large Shape	Number	3	Weight	4,142
Small Shape	Number	20	Weight	671
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	40,604 mm			

1 Block Total Weight 4,813 Kg

<GIRDER> Block:G5 HANG 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	100 x 9.0	270	136	70.650	1.910	260	SM400A		HANG		S. W		
PL	100 x 9.0	120	68	70.650	0.848	58	SM400A		HANG		S. W		

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	318
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 318 Kg

<GIRDER> Block:G5 SPL 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	480	2	109.900	13.700	27	SM490YA		UF. SPL			S	
PL	580 x 12.0	480	1	94.200	26.200	26	SM490YA		UF. SPL			S	
TCB	M 22	85	36		0.568	20	S10T		U. FLG			B	
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL			S	
TCB	M 22	80	40		0.553	22	S10T		L. FLG			B	
PL	2243 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL			S	
TCB	M 22	65	138		0.508	70	S10T		WEB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	8		Weight	268							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	380 Kg							

<GIRDER> Block:G5 SPL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL			S	
PL	260 x 2.3	315	2	18.060	1.300	3	SS400	88	FILL			S	
TCB	M 22	85	40		0.568	23	S10T		U. FLG			B	
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL			S	
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL			S	
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL			S	
TCB	M 22	85	40		0.568	23	S10T		L. FLG			B	
PL	2244 x 9.0	480	2	70.650	76.100	152	SM490YA		W. SPL			S	
TCB	M 22	65	138		0.508	70	S10T		WEB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	11		Weight	287							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	403 Kg							

<GIRDER> Block:G5 SPL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 11.0	315	2	86.350	6.220	12	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2245 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	320
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 443 Kg

<GIRDER> Block:G5 SPL 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 12.0	315	2	94.200	6.790	14	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2246 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	322
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 445 Kg

<GIRDER> Block:G5 SPL 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 8.0	165	2	62.800	2.690	5	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2247 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	257
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 364 Kg

<GIRDER> Block:G5 SPL 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	780	2	125.600	25.500	51	SM490YA		UF. SPL		S		
PL	580 x 14.0	780	1	109.900	49.700	50	SM490YA		UF. SPL		S		
TCB	M 22	95	60		0.598	36	S10T		U. FLG		B		
PL	260 x 14.0	930	2	109.900	19.400	39	SM490YA	73	LF. SPL		S		
PL	580 x 14.0	930	1	109.900	45.100	45	SM490YA	76	LF. SPL		S		
PL	580 x 3.2	465	1	25.120	5.150	5	SS400	76	FILL		S		
TCB	M 22	85	48		0.568	27	S10T		L. FLG		B		
PL	2248 x 9.0	480	2	70.650	76.200	152	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	9	Weight	342
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 475 Kg

<GIRDER> Block:G5 SPL 7

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 16.0	780	2	125.600	25.500	51	SM490YA		UF. SPL		S		
PL	580 x 14.0	780	1	109.900	49.700	50	SM490YA		UF. SPL		S		
TCB	M 22	95	60		0.598	36	S10T		U. FLG		B		
PL	260 x 14.0	930	2	109.900	19.400	39	SM490YA	73	LF. SPL		S		
PL	580 x 14.0	930	1	109.900	45.100	45	SM490YA	76	LF. SPL		S		
PL	580 x 3.2	465	1	25.120	5.150	5	SS400	76	FILL		S		
TCB	M 22	85	48		0.568	27	S10T		L. FLG		B		
PL	2249 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	9	Weight	343
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 476 Kg

<GIRDER> Block:G5 SPL 8

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 12.0	330	2	94.200	8.080	16	SM490YA		UF. SPL		S		
PL	580 x 10.0	330	1	78.500	15.000	15	SM490YA		UF. SPL		S		
PL	260 x 8.0	165	2	62.800	2.690	5	SS400		FILL		S		
TCB	M 22	85	24		0.568	14	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	LF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	LF. SPL		S		
PL	580 x 4.5	315	1	35.320	5.810	6	SS400	90	FILL		S		
TCB	M 22	85	40		0.568	23	S10T		L. FLG		B		
PL	2250 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	258
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 365 Kg

<GIRDER> Block:G5 SPL 9

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 12.0	315	2	94.200	6.790	14	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2251 x 9.0	480	2	70.650	76.300	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	323
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 446 Kg

<GIRDER> Block:G5 SPL 10

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	260 x 14.0	630	2	109.900	15.800	32	SM490YA	88	UF. SPL		S		
PL	580 x 12.0	630	1	94.200	31.000	31	SM490YA	90	UF. SPL		S		
PL	260 x 11.0	315	2	86.350	6.220	12	SS400	88	FILL		S		
TCB	M 22	95	40		0.598	24	S10T		U. FLG		B		
PL	260 x 14.0	630	2	109.900	18.000	36	SM490YA		LF. SPL		S		
PL	580 x 12.0	630	1	94.200	34.400	34	SM490YA		LF. SPL		S		
PL	580 x 16.0	315	1	125.600	22.900	23	SS400		FILL		S		
TCB	M 22	100	48		0.613	29	S10T		L. FLG		B		
PL	2252 x 9.0	480	2	70.650	76.400	153	SM490YA		W. SPL		S		
TCB	M 22	65	138		0.508	70	S10T		WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	321
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 444 Kg

<GIRDER> Block:G5 SPL 11

Form Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL 260 x 14.0	630	2	109.900	15.800	32	SM490YA	88 UF. SPL		S		
PL 580 x 12.0	630	1	94.200	31.000	31	SM490YA	90 UF. SPL		S		
PL 260 x 2.3	315	2	18.060	1.300	3	SS400	88 FILL		S		
TCB M 22	85	40		0.568	23	S10T	U. FLG		B		
PL 260 x 14.0	630	2	109.900	15.800	32	SM490YA	88 LF. SPL		S		
PL 580 x 12.0	630	1	94.200	31.000	31	SM490YA	90 LF. SPL		S		
PL 580 x 4.5	315	1	35.320	5.810	6	SS400	90 FILL		S		
TCB M 22	85	40		0.568	23	S10T	L. FLG		B		
PL 2253 x 9.0	480	2	70.650	76.400	153	SM490YA	W. SPL		S		
TCB M 22	65	138		0.508	70	S10T	WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	11	Weight	288
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 404 Kg

<GIRDER> Block:G5 SPL 12

Form Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL 260 x 14.0	480	2	109.900	13.700	27	SM490YA	UF. SPL		S		
PL 580 x 12.0	480	1	94.200	26.200	26	SM490YA	UF. SPL		S		
TCB M 22	85	36		0.568	20	S10T	U. FLG		B		
PL 260 x 14.0	630	2	109.900	15.800	32	SM490YA	88 LF. SPL		S		
PL 580 x 12.0	630	1	94.200	31.000	31	SM490YA	90 LF. SPL		S		
TCB M 22	80	40		0.553	22	S10T	L. FLG		B		
PL 2254 x 9.0	480	2	70.650	76.400	153	SM490YA	W. SPL		S		
TCB M 22	65	138		0.508	70	S10T	WEB		B		

Large Shape	Number	0	Weight	0
Small Shape	Number	8	Weight	269
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 381 Kg

<GIRDER> Block:G1, G5 JACKUP S1

Form Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am	Elt	Abs
PL 130 x 12.0	2,378	2	94.200	29.100	58	SM490YA	JACKUP		S		
PL 150 x 24.0	150	1	188.400	4.240	4	SM400A	BASEPL		S		

Large Shape	Number	0	Weight	0
Small Shape	Number	3	Weight	62
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 62 Kg

2 Block Total Weight 124 Kg

<GIRDER> Block:G2~G4 JACKUP S1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	130 x 12.0	2,379	2	94.200	29.100	58	SM490YA		JACKUP		S		
PL	150 x 24.0	150	1	188.400	4.240	4	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	3		Weight	62							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	62 Kg							
	3 Block Total				Weight	186 Kg							

<GIRDER> Block:G1, G5 JACKUP S2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	130 x 12.0	2,378	2	94.200	29.100	58	SM490YA		JACKUP		S		
PL	150 x 28.0	150	1	219.800	4.950	5	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	3		Weight	63							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	63 Kg							
	2 Block Total				Weight	126 Kg							

<GIRDER> Block:G2~G4 JACKUP S2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	130 x 12.0	2,379	2	94.200	29.100	58	SM490YA		JACKUP		S		
PL	150 x 28.0	150	1	219.800	4.950	5	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	3		Weight	63							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	63 Kg							
	3 Block Total				Weight	189 Kg							

<GIRDER> Block:G1, G5 JACKUP PF12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,369	4	117.800	41.900	168	SM490YA		JACKUP		S		
PL	200 x 25.0	200	2	196.200	7.850	16	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	6		Weight	184							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	184 Kg							
2 Block Total					Weight	368 Kg							

<GIRDER> Block:G3 JACKUP PF12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,379	4	117.800	42.000	168	SM490YA		JACKUP		S		
PL	200 x 25.0	200	2	196.200	7.850	16	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	6		Weight	184							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	184 Kg							

<GIRDER> Block:G2, G4 JACKUP PF12

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,378	4	117.800	42.000	168	SM490YA		JACKUP		S		
PL	200 x 25.0	200	1	196.200	7.850	8	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	5		Weight	176							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	176 Kg							
2 Block Total					Weight	352 Kg							

<GIRDER> Block:G1, G5 JACKUP PF13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,369	4	117.800	41.900	168	SM490YA		JACKUP		S		
PL	200 x 28.0	200	2	219.800	8.790	18	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	6		Weight	186							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	186 Kg							
	2 Block Total				Weight	372 Kg							

<GIRDER> Block:G3 JACKUP PF13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,379	4	117.800	42.000	168	SM490YA		JACKUP		S		
PL	200 x 28.0	200	2	219.800	8.790	18	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	6		Weight	186							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	186 Kg							

<GIRDER> Block:G2, G4 JACKUP PF13

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	150 x 15.0	2,378	4	117.800	42.000	168	SM490YA		JACKUP		S		
PL	200 x 28.0	200	1	219.800	8.790	9	SM400A		BASEPL		S		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	5		Weight	177							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	177 Kg							
	2 Block Total				Weight	354 Kg							

<CROSSBEAM> Block:ECB 1

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,971	1	78.500	38.700	39	SM400A		U. FLG		L		
RB	D 16	600	2	1.579	0.947	2	SS400		S. ANC		S. W		
PL	2086 x 9.0	2,230	1	70.650	322.000	322	SM400A	98	WEB		L		
PL	120 x 12.0	2,078	1	94.200	23.500	24	SM400A		V. STIF		S		
PL	120 x 12.0	2,083	1	94.200	23.600	24	SM400A		V. STIF		S		
PL	90 x 9.0	520	2	70.650	3.310	7	SM400A		H. STIF		S		
PL	90 x 9.0	785	1	70.650	4.990	5	SM400A		H. STIF		S		
TCB	M 22	70	40		0.523	21	S10T		GB		B		
PL	250 x 10.0	1,988	1	78.500	39.000	39	SM400A		L. FLG		L		

Large Shape	Number	3	Weight	400
Small Shape	Number	5	Weight	62
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	8,920 mm			

1 Block Total	Weight	483 Kg
2 Block Total	Weight	966 Kg

<CROSSBEAM> Block:ECB 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,971	1	78.500	38.700	39	SM400A		U. FLG		L		
RB	D 16	600	2	1.579	0.947	2	SS400		S. ANC		S. W		
PL	2086 x 9.0	2,230	1	70.650	322.000	322	SM400A	98	WEB		L		
PL	120 x 12.0	2,078	1	94.200	23.500	24	SM400A		V. STIF		S		
PL	120 x 12.0	2,083	1	94.200	23.600	24	SM400A		V. STIF		S		
PL	90 x 9.0	520	2	70.650	3.310	7	SM400A		H. STIF		S		
PL	90 x 9.0	785	1	70.650	4.990	5	SM400A		H. STIF		S		
TCB	M 22	70	40		0.523	21	S10T		GB		B		
PL	250 x 10.0	1,988	1	78.500	39.000	39	SM400A		L. FLG		L		

Large Shape	Number	3	Weight	400
Small Shape	Number	5	Weight	62
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	8,920 mm			

1 Block Total	Weight	483 Kg
2 Block Total	Weight	966 Kg

<CROSSBEAM> Block:ECB 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,971	1	78.500	38.700	39	SM400A		U. FLG			L	
RB	D 16	600	2	1.579	0.947	2	SS400		S. ANC			S. W	
PL	2086 x 9.0	2,230	1	70.650	322.000	322	SM400A	98	WEB			L	
PL	120 x 12.0	2,083	1	94.200	23.600	24	SM400A		V. STIF			S	
PL	120 x 12.0	2,078	1	94.200	23.500	24	SM400A		V. STIF			S	
PL	90 x 9.0	520	2	70.650	3.310	7	SM400A		H. STIF			S	
PL	90 x 9.0	785	1	70.650	4.990	5	SM400A		H. STIF			S	
TCB	M 22	70	40		0.523	21	S10T		GB			B	
PL	250 x 10.0	1,988	1	78.500	39.000	39	SM400A		L. FLG			L	

Large Shape	Number	3	Weight	400
Small Shape	Number	5	Weight	62
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint		0 mm		
TWELD LENGTH		8,920 mm		

1 Block Total	Weight	483 Kg
2 Block Total	Weight	966 Kg

<CROSSBEAM> Block:ECB 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,971	1	78.500	38.700	39	SM400A		U. FLG			L	
RB	D 16	600	2	1.579	0.947	2	SS400		S. ANC			S. W	
PL	2086 x 9.0	2,230	1	70.650	322.000	322	SM400A	98	WEB			L	
PL	120 x 12.0	2,083	1	94.200	23.600	24	SM400A		V. STIF			S	
PL	120 x 12.0	2,078	1	94.200	23.500	24	SM400A		V. STIF			S	
PL	90 x 9.0	520	2	70.650	3.310	7	SM400A		H. STIF			S	
PL	90 x 9.0	785	1	70.650	4.990	5	SM400A		H. STIF			S	
TCB	M 22	70	40		0.523	21	S10T		GB			B	
PL	250 x 10.0	1,988	1	78.500	39.000	39	SM400A		L. FLG			L	

Large Shape	Number	3	Weight	400
Small Shape	Number	5	Weight	62
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint		0 mm		
TWELD LENGTH		8,920 mm		

1 Block Total	Weight	483 Kg
2 Block Total	Weight	966 Kg

<CROSSBEAM> Block:CB 1

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880	x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120	x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90	x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90	x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22		65	36		0.508	18	S10T		GB			B	
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape		Number	3		Weight	382							
	Small Shape		Number	10		Weight	129							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	TWELD LENGTH			9,224 mm										
1 Block Total						Weight	551 Kg							

<CROSSBEAM> Block:CB 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	65	36		0.508	18	S10T		GB			B	
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape	Number	3		Weight	382							
	Small Shape	Number	10		Weight	129							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		9,224 mm										
	1 Block Total				Weight	551 Kg							
	2 Block Total				Weight	1,102 Kg							

<CROSSBEAM> Block:CB 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	22		0.493	11	S10T		CONN		B		
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	22		0.493	11	S10T		CONN		B		
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	10		Weight	129							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	551 Kg							

<CROSSBEAM> Block:CB 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	22		0.493	11	S10T		CONN		B		
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	22		0.493	11	S10T		CONN		B		
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	10		Weight	129							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	551 Kg							

<CROSSBEAM> Block:CB 5

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22		60	44		0.493	22	S10T		CONN			B	
PL	570	x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
PL	1880	x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120	x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90	x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90	x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22		65	36		0.508	18	S10T		GB			B	
PL	250	x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22		60	44		0.493	22	S10T		CONN			B	
PL	570	x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
	Large Shape		Number	3		Weight	382							
	Small Shape		Number	12		Weight	197							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint		0 mm											
	TWELD LENGTH		9,224 mm											
1 Block Total						Weight	641 Kg							

<CROSSBEAM> Block:CB 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22	60	44		0.493	22	S10T		CONN			B	
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	65	36		0.508	18	S10T		GB			B	
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22	60	44		0.493	22	S10T		CONN			B	
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
	Large Shape	Number	3		Weight	382							
	Small Shape	Number	12		Weight	197							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		9,224 mm										
1 Block Total					Weight	641 Kg							
2 Block Total					Weight	1,282 Kg							

<CROSSBEAM> Block:CB 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	12		Weight	197							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	641 Kg							

<CROSSBEAM> Block:CB 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	12		Weight	197							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	641 Kg							

<CROSSBEAM> Block:CB 9

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	12		Weight	197							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	641 Kg							

<CROSSBEAM> Block:CB 10

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	65	36		0.508	18	S10T		GB		B		
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG		L		
TCB	M 22	60	44		0.493	22	S10T		CONN		B		
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S		S		
Large Shape		Number	3		Weight	382							
Small Shape		Number	12		Weight	197							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			9,224 mm										
1 Block Total					Weight	641 Kg							
2 Block Total					Weight	1,282 Kg							

<CROSSBEAM> Block:CB 11

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22	60	44		0.493	22	S10T		CONN			B	
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	65	36		0.508	18	S10T		GB			B	
PL	250 x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22	60	44		0.493	22	S10T		CONN			B	
PL	570 x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
	Large Shape	Number	3		Weight	382							
	Small Shape	Number	12		Weight	197							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		9,224 mm										
1 Block Total					Weight	641 Kg							

<CROSSBEAM> Block:CB 12

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	2,070	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22		60	44		0.493	22	S10T		CONN			B	
PL	570	x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
PL	1880	x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120	x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90	x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90	x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22		65	36		0.508	18	S10T		GB			B	
PL	250	x 10.0	2,070	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22		60	44		0.493	22	S10T		CONN			B	
PL	570	x 16.0	555	2	125.600	34.600	69	SS400	87	CONN-S			S	
	Large Shape		Number	3		Weight	382							
	Small Shape		Number	12		Weight	197							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	TWELD LENGTH			9,224 mm										
1 Block Total						Weight	641 Kg							

<CROSSBEAM> Block:CB 13

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880	x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120	x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90	x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90	x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22		65	36		0.508	18	S10T		GB			B	
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape		Number	3		Weight	382							
	Small Shape		Number	10		Weight	129							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	TWELD LENGTH			9,224 mm										
1 Block Total						Weight	551 Kg							

<CROSSBEAM> Block:CB 14

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	65	36		0.508	18	S10T		GB			B	
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape	Number	3		Weight	382							
	Small Shape	Number	10		Weight	129							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		9,224 mm										
1 Block Total					Weight	551 Kg							
2 Block Total					Weight	1,102 Kg							

<CROSSBEAM> Block:CB 15

Form	Size (mm)		Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880	x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120	x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90	x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90	x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22		65	36		0.508	18	S10T		GB			B	
PL	250	x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22		60	22		0.493	11	S10T		CONN			B	
PL	570	x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape		Number	3		Weight	382							
	Small Shape		Number	10		Weight	129							
	Acc Small					Weight	0							
	Other Acc					Weight	0							
	Butt Joint			0 mm										
	TWELD LENGTH			9,224 mm										
1 Block Total						Weight	551 Kg							

<CROSSBEAM> Block:CB 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		U. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
PL	1880 x 9.0	2,306	1	70.650	300.000	300	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	561	4	70.650	3.570	14	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	65	36		0.508	18	S10T		GB			B	
PL	250 x 10.0	2,069	1	78.500	40.600	41	SM400A		L. FLG			L	
TCB	M 22	60	22		0.493	11	S10T		CONN			B	
PL	570 x 16.0	555	1	125.600	34.600	35	SS400	87	CONN-S			S	
	Large Shape	Number	3		Weight	382							
	Small Shape	Number	10		Weight	129							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		9,224 mm										
1 Block Total					Weight	551 Kg							

<CROSSBEAM> Block:CB 17

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		U. FLG		L		
PL	1880 x 9.0	2,146	1	70.650	279.000	279	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	481	4	70.650	3.060	12	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	70	36		0.523	19	S10T		GB		B		
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		L. FLG		L		

Large Shape	Number	3	Weight	353
Small Shape	Number	8	Weight	57
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	8,584 mm			

1 Block Total	Weight	429 Kg
2 Block Total	Weight	858 Kg

<CROSSBEAM> Block:CB 18

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		U. FLG		L		
PL	1880 x 9.0	2,146	1	70.650	279.000	279	SM400A	98	WEB		L		
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF		S		
PL	90 x 9.0	481	4	70.650	3.060	12	SM400A		H. STIF		S		
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF		S		
TCB	M 22	70	36		0.523	19	S10T		GB		B		
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		L. FLG		L		

Large Shape	Number	3	Weight	353
Small Shape	Number	8	Weight	57
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	8,584 mm			

1 Block Total	Weight	429 Kg
2 Block Total	Weight	858 Kg

<CROSSBEAM> Block:CB 19

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		U. FLG			L	
PL	1880 x 9.0	2,146	1	70.650	279.000	279	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	481	4	70.650	3.060	12	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	70	36		0.523	19	S10T		GB			B	
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		L. FLG			L	
	Large Shape	Number	3		Weight	353							
	Small Shape	Number	8		Weight	57							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		8,584 mm										
1 Block Total					Weight	429 Kg							
2 Block Total					Weight	858 Kg							

<CROSSBEAM> Block:CB 20

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		U. FLG			L	
PL	1880 x 9.0	2,146	1	70.650	279.000	279	SM400A	98	WEB			L	
PL	120 x 10.0	1,880	2	78.500	17.700	35	SM400A		V. STIF			S	
PL	90 x 9.0	481	4	70.650	3.060	12	SM400A		H. STIF			S	
PL	90 x 9.0	787	2	70.650	5.000	10	SM400A		H. STIF			S	
TCB	M 22	70	36		0.523	19	S10T		GB			B	
PL	250 x 10.0	1,908	1	78.500	37.400	37	SM400A		L. FLG			L	
	Large Shape	Number	3		Weight	353							
	Small Shape	Number	8		Weight	57							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		8,584 mm										
	1 Block Total				Weight	429 Kg							
	2 Block Total				Weight	858 Kg							

<SWAY BRACING> Block:IS 1

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90	x	90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90	x	90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400	x	9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405	x	9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305	x	9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305	x	9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410	x	9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22			65	10		0.508	5	S10T		GB			B	
TCB	M 22			65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							
3 Block Total							Weight	459 Kg							

<SWAY BRACING> Block:IS 2

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD		
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD		
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400		BRACE		
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400		BRACE		
PL	400	x			9.0	450	1	70.650	11.100	11	SM400A	87	GUSS		
PL	405	x			9.0	445	1	70.650	10.800	11	SM400A	85	GUSS		
PL	305	x			9.0	285	1	70.650	4.360	4	SM400A	71	GUSS		
PL	300	x			9.0	290	1	70.650	4.360	4	SM400A	71	GUSS		
PL	410	x			9.0	355	1	70.650	9.980	10	SM400A	97	GUSS		
TCB	M 22					65	10		0.508	5	S10T		GB		B
TCB	M 22					65	6		0.508	3	S10T		GB		B
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total								Weight	153 Kg						

<SWAY BRACING> Block:IS 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	300 x 9.0	290	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 153 Kg

<SWAY BRACING> Block:IS 4

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 153 Kg

<SWAY BRACING> Block:IS 5

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 6

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
3 Block Total					Weight	459 Kg							

<SWAY BRACING> Block:IS 7

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 8

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	300 x 9.0	290	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 9

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90	x	90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90	x	90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400	x	9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405	x	9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305	x	9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	300	x	9.0	290	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410	x	9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22			65	10		0.508	5	S10T		GB			B	
TCB	M 22			65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							

<SWAY BRACING> Block:IS 10

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	U. CHOD			
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	L. CHOD			
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400	BRACE			
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400	BRACE			
PL	405	x			9.0	450	1	70.650	11.100	11	SM400A	86 GUSS			
PL	405	x			9.0	445	1	70.650	10.800	11	SM400A	85 GUSS			
PL	305	x			9.0	285	1	70.650	4.360	4	SM400A	71 GUSS			
PL	305	x			9.0	290	1	70.650	4.370	4	SM400A	70 GUSS			
PL	410	x			9.0	355	1	70.650	9.980	10	SM400A	97 GUSS			
TCB	M	22				65	10		0.508	5	S10T	GB		B	
TCB	M	22				65	6		0.508	3	S10T	GB		B	
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total								Weight	153 Kg						

<SWAY BRACING> Block:IS 11

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	U. CHOD			
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	L. CHOD			
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400	BRACE			
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400	BRACE			
PL	400	x	9.0			450	1	70.650	11.100	11	SM400A	87 GUSS			
PL	405	x	9.0			445	1	70.650	10.800	11	SM400A	85 GUSS			
PL	305	x	9.0			285	1	70.650	4.360	4	SM400A	71 GUSS			
PL	305	x	9.0			290	1	70.650	4.370	4	SM400A	70 GUSS			
PL	410	x	9.0			355	1	70.650	9.980	10	SM400A	97 GUSS			
TCB	M	22				65	10		0.508	5	S10T	GB		B	
TCB	M	22				65	6		0.508	3	S10T	GB		B	
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total								Weight	153 Kg						
3 Block Total								Weight	459 Kg						

<SWAY BRACING> Block:IS 12

Form	Size (mm)			Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90	x	90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90	x	90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	405	x	9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	405	x	9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305	x	9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305	x	9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410	x	9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M	22		65	10		0.508	5	S10T		GB			B	
TCB	M	22		65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							
2 Block Total							Weight	306 Kg							

<SWAY BRACING> Block:IS 13

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
2 Block Total					Weight	306 Kg							

<SWAY BRACING> Block:IS 14

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
4 Block Total					Weight	612 Kg							

<SWAY BRACING> Block:IS 15

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 16

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 17

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 18

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
4 Block Total					Weight	612 Kg							

<SWAY BRACING> Block:IS 19

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
6 Block Total					Weight	918 Kg							

<SWAY BRACING> Block:IS 20

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	G1 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							
2 Block Total					Weight	306 Kg							

<SWAY BRACING> Block:IS 21

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	U. CHOD			
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400	L. CHOD			
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400	BRACE			
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400	BRACE			
PL	405	x			9.0	445	1	70.650	10.800	11	SM400A	85 GUSS			
PL	405	x			9.0	450	1	70.650	11.100	11	SM400A	86 GUSS			
PL	305	x			9.0	290	1	70.650	4.370	4	SM400A	70 GUSS			
PL	305	x			9.0	285	1	70.650	4.360	4	SM400A	71 GUSS			
PL	410	x			9.0	355	1	70.650	9.980	10	SM400A	97 GUSS			
TCB	M	22				65	10		0.508	5	S10T	GB		B	
TCB	M	22				65	6		0.508	3	S10T	GB		B	
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total								Weight	153 Kg						

<SWAY BRACING> Block:IS 22

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x	90 x	10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x	90 x	10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x	90 x	10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x	90 x	10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x	9.0		445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x	9.0		450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x	9.0		290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300 x	9.0		285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410 x	9.0		355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22			65	10		0.508	5	S10T		GB			B	
TCB	M 22			65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							

<SWAY BRACING> Block:IS 23

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD		
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD		
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400		BRACE		
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400		BRACE		
PL	400	x	9.0			445	1	70.650	10.800	11	SM400A	86	GUSS		
PL	405	x	9.0			450	1	70.650	11.100	11	SM400A	86	GUSS		
PL	305	x	9.0			290	1	70.650	4.370	4	SM400A	70	GUSS		
PL	305	x	9.0			285	1	70.650	4.360	4	SM400A	71	GUSS		
PL	410	x	9.0			355	1	70.650	9.980	10	SM400A	97	GUSS		
TCB	M	22				65	10		0.508	5	S10T	GB		B	
TCB	M	22				65	6		0.508	3	S10T	GB		B	
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0	mm									
	TWELD LENGTH				0	mm									
1 Block Total								Weight	153	Kg					
3 Block Total								Weight	459	Kg					

<SWAY BRACING> Block:IS 24

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD		
L	90	x	90	x	10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD		
L	90	x	90	x	10.0	1,855	1	13.340	24.700	25	SS400		BRACE		
L	90	x	90	x	10.0	1,820	1	13.340	24.300	24	SS400		BRACE		
PL	400	x	9.0			445	1	70.650	10.800	11	SM400A	86	GUSS		
PL	405	x	9.0			450	1	70.650	11.100	11	SM400A	86	GUSS		
PL	305	x	9.0			290	1	70.650	4.370	4	SM400A	70	GUSS		
PL	300	x	9.0			285	1	70.650	4.350	4	SM400A	72	GUSS		
PL	410	x	9.0			355	1	70.650	9.980	10	SM400A	97	GUSS		
TCB	M	22				65	10		0.508	5	S10T	GB		B	
TCB	M	22				65	6		0.508	3	S10T	GB		B	
	Large Shape				Number	0		Weight	0						
	Small Shape				Number	0		Weight	0						
	Acc Small							Weight	0						
	Other Acc							Weight	0						
	Butt Joint				0	mm									
	TWELD LENGTH				0	mm									
1 Block Total								Weight	153	Kg					
2 Block Total								Weight	306	Kg					

<SWAY BRACING> Block:IS 25

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 26

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	400 x 9.0	445	1	70.650	10.800	11	SM400A	86	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300 x 9.0	285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 27

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	400 x 9.0	445	1	70.650	10.800	11	SM400A	86	GUSS				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x 9.0	285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	153 Kg							
	2 Block Total				Weight	306 Kg							

<SWAY BRACING> Block:IS 28

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	400 x 9.0	450	1	70.650	11.100	11	SM400A	87	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300 x 9.0	285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint		0 mm										
	TWELD LENGTH		0 mm										
	1 Block Total				Weight	153 Kg							

<SWAY BRACING> Block:IS 29

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	400 x 9.0	445	1	70.650	10.800	11	SM400A	86	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300 x 9.0	285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 30

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x 90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x 90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x 90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x 9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x 9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x 9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300 x 9.0	285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410 x 9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22	65	10		0.508	5	S10T		GB			B	
TCB	M 22	65	6		0.508	3	S10T		GB			B	
Large Shape		Number	0		Weight	0							
Small Shape		Number	0		Weight	0							
Acc Small					Weight	0							
Other Acc					Weight	0							
Butt Joint			0 mm										
TWELD LENGTH			0 mm										
1 Block Total					Weight	153 Kg							

<SWAY BRACING> Block:IS 31

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90	x	90 x 10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90	x	90 x 10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90	x	90 x 10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405	x	9.0	445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405	x	9.0	450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305	x	9.0	290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	300	x	9.0	285	1	70.650	4.350	4	SM400A	72	GUSS				
PL	410	x	9.0	355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M	22		65	10		0.508	5	S10T		GB			B	
TCB	M	22		65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							

<SWAY BRACING> Block:IS 32

Form	Size (mm)			Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
L	90 x	90 x	10.0	2,071	1	13.340	27.600	28	SS400		U. CHOD				
L	90 x	90 x	10.0	2,071	1	13.340	27.600	28	SS400		L. CHOD				
L	90 x	90 x	10.0	1,855	1	13.340	24.700	25	SS400		BRACE				
L	90 x	90 x	10.0	1,820	1	13.340	24.300	24	SS400		BRACE				
PL	405 x	9.0		445	1	70.650	10.800	11	SM400A	85	GUSS				
PL	405 x	9.0		450	1	70.650	11.100	11	SM400A	86	GUSS				
PL	305 x	9.0		290	1	70.650	4.370	4	SM400A	70	GUSS				
PL	305 x	9.0		285	1	70.650	4.360	4	SM400A	71	GUSS				
PL	410 x	9.0		355	1	70.650	9.980	10	SM400A	97	GUSS				
TCB	M 22			65	10		0.508	5	S10T		GB			B	
TCB	M 22			65	6		0.508	3	S10T		GB			B	
	Large Shape			Number	0		Weight	0							
	Small Shape			Number	0		Weight	0							
	Acc Small						Weight	0							
	Other Acc						Weight	0							
	Butt Joint				0 mm										
	TWELD LENGTH				0 mm										
1 Block Total							Weight	153 Kg							

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
CT	118x178x10.0x 8.0	3,460	1	20.390	70.500	70	SS400			K1-1			
CT	118x178x10.0x 8.0	3,520	1	20.390	71.800	72	SS400			K1-1			
CT	118x178x10.0x 8.0	3,525	1	20.390	71.900	72	SS400			K1-2			
CT	118x178x10.0x 8.0	3,495	1	20.390	71.300	71	SS400			K1-2			
CT	118x178x10.0x 8.0	3,525	1	20.390	71.900	72	SS400			K1-3			
CT	118x178x10.0x 8.0	3,450	1	20.390	70.300	70	SS400			K1-3			
PL	150 x 16.0	3,360	1	125.600	63.300	63	SM400A			K1-4			
PL	200 x 16.0	3,390	1	125.600	85.200	85	SM400A			K1-4			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-4			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-4			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-5			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-5			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-5			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-5			
PL	150 x 16.0	3,165	1	125.600	59.600	60	SM400A			K1-6			
PL	200 x 16.0	3,195	1	125.600	80.300	80	SM400A			K1-6			
PL	150 x 16.0	3,165	1	125.600	59.600	60	SM400A			K1-6			
PL	200 x 16.0	3,195	1	125.600	80.300	80	SM400A			K1-6			
CT	118x178x10.0x 8.0	3,425	1	20.390	69.800	70	SS400			K2-1			
CT	118x178x10.0x 8.0	2,300	1	20.390	46.900	47	SS400			K2-1			
PL	150 x 16.0	3,070	1	125.600	57.800	58	SM400A			K2-6			
PL	200 x 16.0	3,100	1	125.600	77.900	78	SM400A			K2-6			
PL	150 x 16.0	2,345	1	125.600	44.200	44	SM400A			K2-6			
PL	200 x 16.0	2,375	1	125.600	59.700	60	SM400A			K2-6			
PL	575 x 9.0	455	1	70.650	14.800	15	SM400A	80	GUSS	G1-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-1	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-1	B		
PL	640 x 9.0	415	1	70.650	14.300	14	SM400A	76	GUSS	G1-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-1	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-1	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-1	B		
PL	650 x 9.0	415	1	70.650	14.700	15	SM400A	77	GUSS	G1-2			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-2	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-2	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-2	B		
PL	780 x 9.0	415	1	70.650	19.900	20	SM400A	87	GUSS	G1-3			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-3	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-3	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-3	B		
PL	895 x 9.0	415	1	70.650	24.700	25	SM400A	94	GUSS	G1-4			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-4	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-4	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-4	B		
PL	920 x 9.0	460	1	70.650	26.900	27	SM400A	90	GUSS	G1-5			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-5	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G1-5	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-5	B		
PL	940 x 9.0	495	1	70.650	30.200	30	SM400A	92	GUSS	G1-6			
TCB	M 22	60	6		0.493	3	S10T		LB	G1-6	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G1-6	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-6	B		
PL	605 x 9.0	280	1	70.650	11.100	11	SM400A	93	GUSS	G2-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		
PL	525 x 9.0	390	1	70.650	11.600	12	SM400A	80	GUSS	G2-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		
PL	630 x 9.0	290	1	70.650	11.700	12	SM400A	91	GUSS	G2-2			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-2	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-2	B		
PL	400 x 9.0	455	1	70.650	10.000	10	SM400A	78	GUSS	G2-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		
PL	630 x 9.0	290	1	70.650	11.700	12	SM400A	91	GUSS	G2-3			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-3	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-3	B		
PL	400 x 9.0	455	1	70.650	12.900	13	SM400A		GUSS	G2-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-1	B		
PL	665 x 9.0	310	1	70.650	13.100	13	SM400A	90	GUSS	G2-4			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-4	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-4	B		
PL	665 x 9.0	310	1	70.650	13.100	13	SM400A	90	GUSS	G2-5			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-5	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-5	B		
PL	735 x 9.0	360	1	70.650	17.200	17	SM400A	92	GUSS	G2-6			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-6	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-6	B		
PL	675 x 9.0	465	1	70.650	18.000	18	SM400A	81	GUSS	G2-6			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-6	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-6	B		
PL	400 x 9.0	495	1	70.650	11.300	11	SM400A	81	GUSS	G2-6			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-6	B		
PL	400 x 9.0	495	1	70.650	14.000	14	SM400A		GUSS	G2-6			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-6	B		
PL	400 x 9.0	210	1	70.650	5.930	6	SM400A		GUSS	G3-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G3-1	B		
PL	575 x 9.0	455	1	70.650	18.500	18	SM400A		GUSS	G3-1			
TCB	M 22	55	4		0.478	2	S10T		LB	G3-1	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G3-1	B		
PL	400 x 9.0	285	1	70.650	8.050	8	SM400A		GUSS	G3-6			
TCB	M 22	60	6		0.493	3	S10T		LB	G3-6	B		
PL	905 x 9.0	495	1	70.650	28.500	28	SM400A	90	GUSS	G3-6			
TCB	M 22	60	6		0.493	3	S10T		LB	G3-6	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G3-6	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G3-6	B		

Large Shape	Number	0	Weight	0
Small Shape	Number	0	Weight	0
Acc Small			Weight	0
Other Acc			Weight	0
Butt Joint	0 mm			
TWELD LENGTH	0 mm			

1 Block Total Weight 2,112 Kg

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-7			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-7			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-7			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-7			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-8			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-8			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-8			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-8			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-9			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-9			
PL	150 x 16.0	3,225	1	125.600	60.800	61	SM400A			K1-9			
PL	200 x 16.0	3,255	1	125.600	81.800	82	SM400A			K1-9			
CT	118x178x10.0x 8.0	3,335	1	20.390	68.000	68	SS400			K1-10			
CT	118x178x10.0x 8.0	3,230	1	20.390	65.900	66	SS400			K1-10			
CT	118x178x10.0x 8.0	3,190	1	20.390	65.000	65	SS400			K1-11			
CT	118x178x10.0x 8.0	3,230	1	20.390	65.900	66	SS400			K1-11			
CT	118x178x10.0x 8.0	3,230	1	20.390	65.900	66	SS400			K1-12			
CT	118x178x10.0x 8.0	3,190	1	20.390	65.000	65	SS400			K1-12			
CT	118x178x10.0x 8.0	3,230	1	20.390	65.900	66	SS400			K1-13			
CT	118x178x10.0x 8.0	3,335	1	20.390	68.000	68	SS400			K1-13			
PL	150 x 16.0	3,225	1	125.600	60.800	61	SM400A			K1-14			
PL	200 x 16.0	3,255	1	125.600	81.800	82	SM400A			K1-14			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-14			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-14			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-15			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-15			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-15			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-15			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-16			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-16			
PL	150 x 16.0	3,135	1	125.600	59.100	59	SM400A			K1-16			
PL	200 x 16.0	3,165	1	125.600	79.500	80	SM400A			K1-16			
PL	150 x 16.0	2,985	1	125.600	56.200	56	SM400A			K2-7			
PL	200 x 16.0	3,015	1	125.600	75.700	76	SM400A			K2-7			
PL	150 x 16.0	2,345	1	125.600	44.200	44	SM400A			K2-7			
PL	200 x 16.0	2,375	1	125.600	59.700	60	SM400A			K2-7			
PL	150 x 16.0	2,985	1	125.600	56.200	56	SM400A			K2-16			
PL	200 x 16.0	3,015	1	125.600	75.700	76	SM400A			K2-16			
PL	150 x 16.0	2,345	1	125.600	44.200	44	SM400A			K2-16			
PL	200 x 16.0	2,375	1	125.600	59.700	60	SM400A			K2-16			
PL	885 x 9.0	465	1	70.650	25.900	26	SM400A	89	GUSS	G1-7			
TCB	M 22	60	6		0.493	3	S10T		LB	G1-7	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-7	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-7	B		
PL	835 x 9.0	415	1	70.650	22.800	23	SM400A	93	GUSS	G1-8			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-8	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-8	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-8	B		
PL	650 x 9.0	415	1	70.650	14.900	15	SM400A	78	GUSS	G1-9			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-9	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-9	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-9	B		
PL	770 x 9.0	415	1	70.650	20.300	20	SM400A	90	GUSS	G1-10			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-10	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-10	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-10	B		

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Cmt	Am	Elt	Abs
PL	770 x 9.0	415	1	70.650	20.300	20	SM400A	90	GUSS	G1-11			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-11	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-11	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-11	B		
PL	770 x 9.0	415	1	70.650	20.300	20	SM400A	90	GUSS	G1-12			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-12	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-12	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-12	B		
PL	650 x 9.0	415	1	70.650	14.900	15	SM400A	78	GUSS	G1-13			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-13	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-13	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-13	B		
PL	835 x 9.0	415	1	70.650	22.800	23	SM400A	93	GUSS	G1-14			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-14	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-14	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-14	B		
PL	885 x 9.0	465	1	70.650	25.900	26	SM400A	89	GUSS	G1-15			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-15	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G1-15	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-15	B		
PL	940 x 9.0	495	1	70.650	30.200	30	SM400A	92	GUSS	G1-16			
TCB	M 22	60	6		0.493	3	S10T		LB	G1-16	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G1-16	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-16	B		
PL	725 x 9.0	355	1	70.650	16.700	17	SM400A	92	GUSS	G2-7			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-7	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-7	B		
PL	670 x 9.0	465	1	70.650	17.800	18	SM400A	81	GUSS	G2-7			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-7	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-7	B		
PL	620 x 9.0	305	1	70.650	11.900	12	SM400A	89	GUSS	G2-8			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-8	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-8	B		
PL	620 x 9.0	305	1	70.650	11.900	12	SM400A	89	GUSS	G2-9			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-9	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-9	B		
PL	590 x 9.0	290	1	70.650	11.000	11	SM400A	91	GUSS	G2-10			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-10	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-10	B		
PL	590 x 9.0	290	1	70.650	11.000	11	SM400A	91	GUSS	G2-11			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-11	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-11	B		
PL	590 x 9.0	290	1	70.650	11.000	11	SM400A	91	GUSS	G2-12			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-12	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-12	B		
PL	590 x 9.0	290	1	70.650	11.000	11	SM400A	91	GUSS	G2-13			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-13	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-13	B		
PL	620 x 9.0	305	1	70.650	11.900	12	SM400A	89	GUSS	G2-14			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-14	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-14	B		
PL	620 x 9.0	305	1	70.650	11.900	12	SM400A	89	GUSS	G2-15			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-15	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-15	B		
PL	725 x 9.0	355	1	70.650	16.700	17	SM400A	92	GUSS	G2-16			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-16	B		

<LATERAL> Block:LL 2

Form Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
TCB M 22	60	6		0.493	3	S10T		LB	G2-16	B		
PL 670 x 9.0	465	1	70.650	17.800	18	SM400A	81	GUSS	G2-16			
TCB M 22	60	6		0.493	3	S10T		LB	G2-16	B		
TCB M 22	60	6		0.493	3	S10T		LB	G2-16	B		
PL 400 x 9.0	495	1	70.650	11.300	11	SM400A	81	GUSS	G2-16			
TCB M 22	55	4		0.478	2	S10T		LB	G2-16	B		
PL 400 x 9.0	495	1	70.650	14.000	14	SM400A		GUSS	G2-16			
TCB M 22	55	4		0.478	2	S10T		LB	G2-16	B		
PL 400 x 9.0	285	1	70.650	8.050	8	SM400A		GUSS	G3-7			
TCB M 22	60	6		0.493	3	S10T		LB	G3-7	B		
PL 400 x 9.0	285	1	70.650	8.050	8	SM400A		GUSS	G3-16			
TCB M 22	60	6		0.493	3	S10T		LB	G3-16	B		
PL 905 x 9.0	495	1	70.650	28.500	28	SM400A	90	GUSS	G3-16			
TCB M 22	60	6		0.493	3	S10T		LB	G3-16	B		
TCB M 22	60	6		0.493	3	S10T		LB	G3-16	B		
TCB M 22	55	4		0.478	2	S10T		LB	G3-16	B		
Large Shape	Number	0		Weight	0							
Small Shape	Number	0		Weight	0							
Acc Small				Weight	0							
Other Acc				Weight	0							
Butt Joint	0 mm											
TWELD LENGTH	0 mm											
1 Block Total				Weight	3,259 Kg							

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	U.Weight	S.Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	150 x 16.0	3,165	1	125.600	59.600	60	SM400A			K1-17			
PL	200 x 16.0	3,195	1	125.600	80.300	80	SM400A			K1-17			
PL	150 x 16.0	3,165	1	125.600	59.600	60	SM400A			K1-17			
PL	200 x 16.0	3,195	1	125.600	80.300	80	SM400A			K1-17			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-18			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-18			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-18			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-18			
PL	150 x 16.0	3,310	1	125.600	62.400	62	SM400A			K1-19			
PL	200 x 16.0	3,340	1	125.600	83.900	84	SM400A			K1-19			
PL	150 x 16.0	3,360	1	125.600	63.300	63	SM400A			K1-19			
PL	200 x 16.0	3,390	1	125.600	85.200	85	SM400A			K1-19			
CT	118x178x10.0x 8.0	3,450	1	20.390	70.300	70	SS400			K1-20			
CT	118x178x10.0x 8.0	3,525	1	20.390	71.900	72	SS400			K1-20			
CT	118x178x10.0x 8.0	3,495	1	20.390	71.300	71	SS400			K1-21			
CT	118x178x10.0x 8.0	3,525	1	20.390	71.900	72	SS400			K1-21			
CT	118x178x10.0x 8.0	3,520	1	20.390	71.800	72	SS400			K1-22			
CT	118x178x10.0x 8.0	3,460	1	20.390	70.500	70	SS400			K1-22			
PL	150 x 16.0	3,070	1	125.600	57.800	58	SM400A			K2-17			
PL	200 x 16.0	3,100	1	125.600	77.900	78	SM400A			K2-17			
PL	150 x 16.0	2,345	1	125.600	44.200	44	SM400A			K2-17			
PL	200 x 16.0	2,375	1	125.600	59.700	60	SM400A			K2-17			
CT	118x178x10.0x 8.0	3,425	1	20.390	69.800	70	SS400			K2-22			
CT	118x178x10.0x 8.0	2,300	1	20.390	46.900	47	SS400			K2-22			
PL	920 x 9.0	460	1	70.650	26.900	27	SM400A	90	GUSS	G1-17			
TCB	M 22	60	6		0.493	3	S10T		LB	G1-17	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-17	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-17	B		
PL	895 x 9.0	415	1	70.650	24.700	25	SM400A	94	GUSS	G1-18			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-18	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G1-18	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-18	B		
PL	780 x 9.0	415	1	70.650	19.900	20	SM400A	87	GUSS	G1-19			
TCB	M 22	60	4		0.493	2	S10T		LB	G1-19	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-19	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-19	B		
PL	650 x 9.0	415	1	70.650	14.700	15	SM400A	77	GUSS	G1-20			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-20	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-20	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-20	B		
PL	640 x 9.0	415	1	70.650	14.300	14	SM400A	76	GUSS	G1-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-21	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-21	B		
TCB	M 22	55	2		0.478	1	S10T		LB	G1-21	B		
PL	575 x 9.0	455	1	70.650	18.500	18	SM400A		GUSS	G1-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G1-21	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G1-21	B		
PL	735 x 9.0	360	1	70.650	17.200	17	SM400A	92	GUSS	G2-17			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-17	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-17	B		
PL	675 x 9.0	465	1	70.650	18.000	18	SM400A	81	GUSS	G2-17			
TCB	M 22	60	6		0.493	3	S10T		LB	G2-17	B		
TCB	M 22	60	6		0.493	3	S10T		LB	G2-17	B		
PL	665 x 9.0	310	1	70.650	13.100	13	SM400A	90	GUSS	G2-18			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-18	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-18	B		

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET	Mtas. I	Gmt	Am	Elt	Abs
PL	665 x 9.0	310	1	70.650	13.100	13	SM400A	90	GUSS	G2-19			
TCB	M 22	60	4		0.493	2	S10T		LB	G2-19	B		
TCB	M 22	60	4		0.493	2	S10T		LB	G2-19	B		
PL	630 x 9.0	290	1	70.650	11.700	12	SM400A	91	GUSS	G2-20			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-20	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-20	B		
PL	630 x 9.0	290	1	70.650	11.700	12	SM400A	91	GUSS	G2-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-21	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-21	B		
PL	605 x 9.0	280	1	70.650	11.100	11	SM400A	93	GUSS	G2-22			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-22	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-22	B		
PL	525 x 9.0	390	1	70.650	11.600	12	SM400A	80	GUSS	G2-22			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-22	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G2-22	B		
PL	400 x 9.0	455	1	70.650	10.000	10	SM400A	78	GUSS	G2-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-21	B		
PL	400 x 9.0	455	1	70.650	12.900	13	SM400A		GUSS	G2-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G2-21	B		
PL	400 x 9.0	285	1	70.650	8.050	8	SM400A		GUSS	G3-17			
TCB	M 22	60	6		0.493	3	S10T		LB	G3-17	B		
PL	400 x 9.0	210	1	70.650	5.930	6	SM400A		GUSS	G3-22			
TCB	M 22	55	4		0.478	2	S10T		LB	G3-22	B		
PL	575 x 9.0	455	1	70.650	14.800	15	SM400A	80	GUSS	G3-21			
TCB	M 22	55	4		0.478	2	S10T		LB	G3-21	B		
TCB	M 22	55	4		0.478	2	S10T		LB	G3-21	B		
	Large Shape	Number	0		Weight	0							
	Small Shape	Number	0		Weight	0							
	Acc Small				Weight	0							
	Other Acc				Weight	0							
	Butt Joint	0 mm											
	TWELD LENGTH	0 mm											
1 Block Total					Weight	2,009 Kg							

<DRAINAGE> Block: SUPPOT B2

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am Elt	Abs
PL	120 x 8.0	140	1	62.800	1.060	1	SM400A			S. W C	
FB	100 x 6.0	452	1	4.710	2.130	2	SS400		PLATING	S. W C	
PL	100 x 6.0	777	1	47.100	3.660	4	SM400A		PLATING	S. W C	
PL	158 x 6.0	655	1	47.100	4.870	5	SM400A		PLATING	S. W C	
B. N	M 12	40	8		0.067	1	SS400		PLATING	B C	
W	M 12		16		0.005	1	SS400		PLATING	B C	
	Large Shape	Number	0		Weight	0					
	Small Shape	Number	0		Weight	0					
	Acc Small				Weight	12					
	Other Acc				Weight	0					
	Butt Joint		0 mm								
	TWELD LENGTH		0 mm								

1 Block Total Weight 14 Kg

108 Block Total Weight 1,512 Kg

<DRAINAGE> Block: SUPPOT S3

Form	Size (mm)	Lg	Nb	U. Weight	S. Weight	Weight	Mtls	NET Mtas. I	Cmt	Am Elt	Abs
PL	100 x 8.0	140	1	62.800	0.879	1	SM400A			S. W C	
FB	100 x 6.0	446	2	4.710	2.100	4	SS400		PLATING	S. W C	
FB	100 x 6.0	376	1	4.710	1.770	2	SS400		PLATING	S. W C	
B. N	M 12	40	4		0.067	1	SS400		PLATING	B C	
W	M 12		8		0.005	1	SS400		PLATING	B C	
B. N	M 12	45	4		0.072	1	SS400		PLATING	B C	
W	M 12		8		0.005	1	SS400		PLATING	B C	
	Large Shape	Number	0		Weight	0					
	Small Shape	Number	0		Weight	0					
	Acc Small				Weight	7					
	Other Acc				Weight	0					
	Butt Joint		0 mm								
	TWELD LENGTH		0 mm								

1 Block Total Weight 11 Kg

6 Block Total Weight 66 Kg

2.2 Summary list of various materials

2.2.1 Drainage

Drainage of superstructure

Item		Unit	Quantity	Remark
Pipe length	200A	m	220.6	VP
Straight pipe	200A	m	165.8	VP
Curve pipe	200A	No.	22	VP
Expansion joint	HORIZONTAL PULLING	No.	14	VP
	VERTICAL PULLING	No.	6	
End cap	VP200A	No.	2	
Device for flexible tube		set	12	For straight pipe
Flexible tube	ø20	m	15.2	SUS304
Flexible tube joint	ø20	No.	12	Polyvinyl chloride pipe
Drain pipe on deck slab		m	254.8	φ 20
Edge joint treatment		m	509.6	
Extension of molding joint		m	509.6	
Joint filler		m ²	1340.9	Coated waterproofing membrane
Catch pit		No.	18	400x320

1) Quantity Calculation Of Drainage

(b) PF. 11-PF. 14 (I)

a) Pipe length

VP (200A)

PF. 12

DR1	(	1.400	-	0.440	) x	2	=	1.920		
DR2	(	1.645	-	0.440	) x	2	=	2.410		
DR3	(	1.868	-	0.440	) x	2	=	2.856		
	(	23.661	+	1.028	+	0.372	) x	2	=	50.122

PF. 13

DR4	(	1.400	-	0.440	) x	2	=	1.920		
DR5	(	1.629	-	0.440	) x	2	=	2.378		
DR6	(	1.823	-	0.440	) x	2	=	2.766		
DR7	(	1.975	-	0.440	) x	2	=	3.070		
	(	44.62	+	0.932	+	0.372	) x	2	=	91.848

PF. 14

DR8	(	1.436	-	0.440	) x	2	=	1.992		
DR9	(	1.454	-	0.440	) x	2	=	2.028		
	(	27.212	+	1.450	+	0.372	) x	2	=	57.324

Σ	220.6 m

b) Straight pipe

VP (200A)

LINE1	(	8.406	+	8.406	+	2.252	) x	2	=	38.128		
LINE2	(	8.406	+	13.207	+	15.007	+	2.202	) x	2	=	77.644
LINE3	(	8.406	+	16.607			) x	2	=	50.026		

Σ 165.8 m

c) Curve pipe

VP (200A)

T17	piece	4
T18	piece	12
T19	piece	4
T20	piece	2

d) Expansion joint

VP (200A)	EX	HORIZONTAL PULLING	piece	14
	EX-S	VERTICAL PULLING	piece	6

e) End cap

VP (200A)	piece	2

f) Device for flexible tube

SD set 12

g) Flexible tube

ø20 (SUS304)

SD1	$\sqrt{((1.517 - 0.370)^2 + 0.110^2)} \times 2$	=	2.305
SD2	$\sqrt{((1.735 - 0.365)^2 + 0.110^2)} \times 2$	=	2.749
SD3	$\sqrt{((1.910 - 0.365)^2 + 0.110^2)} \times 2$	=	3.098
SD4	$\sqrt{((1.400 - 0.365)^2 + 0.110^2)} \times 2$	=	2.082
SD5	$\sqrt{((1.453 - 0.365)^2 + 0.110^2)} \times 2$	=	2.187
SD6	1.400×2	=	2.800

Σ 15.2 m

h) Flexible tube joint ø20

piece 12

i) Drain pipe on deck slab ø20

L2	121.900	x	1	=	121.900
R2	121.900	x	1	=	121.900
GE2	5.500	x	1	=	5.500
GE2	5.500	x	1	=	5.500

Σ 254.8 m

j) Edge joint treatment, Extension of molding joint

L2	GE1-GE2	121.900	=	121.900	
L3	GE1-GE2	121.900	=	121.900	
R2	GE1-GE2	121.900	=	121.900	
R3	GE1-GE2	121.900	=	121.900	
GE1	5.500	+	5.500	=	11.000
GE2	5.500	+	5.500	=	11.000

Σ 509.6 m

k) Joint filler

$((5.500 + 5.500) \times 121.900) = 1340.9 \text{ m}^2$

l) Catch pit

set 18

2.2.2 Bearing

Item	Classification	Unit	Quantity	Application
Rubber bearing	Rmax= 774 kN	piece	10	PF11, PF14
Rubber bearing	Rmax= 2491 kN	piece	10	PF12, PF13

3. Painting

3.1 Summary list of painting area

Summary list of painting area

Classification of painting		Painting area(m2)	Painting division (Painting system)
Exterior painting	Factory painting	4151.3	C-5
	Spot painting	278.8	F-11
Internal painting	Factory painting(B1+D1)	0.0	D-5
	Spot painting(B2+F2+D2)	0.0	F-12
Concrete contact	Factory painting	345.7	INORGANIC ZINC-RICH PAINT
	Spot painting	27.3	INORGANIC ZINC-RICH PAINT
Contact surface of splicing part		499.6	INORGANIC ZINC-RICH PAINT
Additional painting	Factory painting	1174.1	C-5*
	Spot painting	58.4	F-11*

3.2 Calculation of painting area

Classification of painting(Symbol)		(m2)
Exterior painting	General part(A1)	4151.3
	Splicing part(A2+E2)	278.8
Internal painting	General part(B1)	0.0
	Splicing par(B2+F2)	0.0
Concrete contact	General part(C1)	345.7
	Splicing par(C2+G2)	27.3
Contact surface of splicing part	Splicing par(J2)	499.6
Additional painting	Factory painting(U1)	1174.1
	Spot painting(U2+I2)	58.4

Main body painting area

Painting division (Symbol)		Main body		
		Main posture	Superstructure Drainage system	Subtotal
Exterior painting	General part(A1)	4147.47	3.80	4151.27
	Splicing part(A2)	212.86	0.00	212.86
	Total(ΣA)	4360.34	3.80	4364.13
Internal painting	General part(B1)	0.00	0.00	0.00
	Splicing part(B2)	0.00	0.00	0.00
	Total(ΣB)	0.00	0.00	0.00
Concrete contact	General part(C1)	345.70	0.00	345.70
	Splicing part(C2)	17.84	0.00	17.84
	Total(ΣC)	363.55	0.00	363.55
Bolt head Exterior painting	General part(E1)	0.00	0.00	0.00
	Splicing part(E2)	65.96	0.00	65.96
	Total(ΣE)	65.96	0.00	65.96
Bolt head Internal painting	General part(F1)	0.00	0.00	0.00
	Splicing part(F2)	0.00	0.00	0.00
	Total(ΣF)	0.00	0.00	0.00
Bolt head Concrete contact	General part(G1)	0.00	0.00	0.00
	Splicing part(G2)	9.41	0.00	9.41
	Total(ΣG)	9.41	0.00	9.41
Bolt head Additional painting	General part(I1)	0.00	0.00	0.00
	Splicing part(I2)	14.49	0.00	14.49
	Total(ΣI)	14.49	0.00	14.49
Contact surface of splicing part (Common steel materials)	General part(J1)	0.00	0.00	0.00
	Splicing part(J2)	499.63	0.00	499.63
	Total(ΣJ)	499.63	0.00	499.63
Additional painting (Common steel materials)	General part(U1)	1174.09	0.00	1174.09
	Splicing part(U2)	43.90	0.00	43.90
	Total(ΣU)	1217.99	0.00	1217.99

※ The above (A – U) shows a sign of the detailed output.

Painting N		Total	MAIN STRUCTURE	ACCESSORY
A:	Ordinary	4151.27	4147.47	3.80
	Splicing	212.86	212.86	0.00
	Total	4364.13	4360.34	3.80
C:	Ordinary	345.70	345.70	0.00
	Splicing	17.84	17.84	0.00
	Total	363.55	363.55	0.00
E:	Ordinary	0.00	0.00	0.00
	Splicing	65.96	65.96	0.00
	Total	65.96	65.96	0.00
G:	Ordinary	0.00	0.00	0.00
	Splicing	9.41	9.41	0.00
	Total	9.41	9.41	0.00
I:	Ordinary	0.00	0.00	0.00
	Splicing	14.49	14.49	0.00
	Total	14.49	14.49	0.00
J:	Ordinary	0.00	0.00	0.00
	Splicing	409.63	409.63	0.00
	Total	409.63	409.63	0.00
U:	Ordinary	1174.09	1174.09	0.00
	Splicing	43.90	43.90	0.00
	Total	1217.99	1217.99	0.00

A: Exterior painting
 B: Internal painting
 C: Concrete contact
 D: Internal painting
 E: Bolt head exterior painting
 F: Bolt head internal painting
 G: Bolt head concrete contact
 I: Bolt head additional painting
 J: Contact surface of splicing part
 U: Additional painting

＜MAIN STRUCTURE＞

Painting N	Total	GIRDER	CROSSBEAM	SWAY BRACING
Ordinary	4147.47	3442.12	293.90	169.90
Splicing	212.86	145.34	37.08	12.90
A: 100%	4360.34	3587.46	330.99	182.80
Tota				
Ordinary	345.70	341.76	3.94	0.00
Splicing	17.84	17.84	0.00	0.00
C: 100%	363.55	359.60	3.94	0.00
Tota				
Ordinary	0.00	0.00	0.00	0.00
Splicing	65.96	43.82	11.78	4.54
E: 100%	65.96	43.82	11.78	4.54
Tota				
Ordinary	0.00	0.00	0.00	0.00
Splicing	9.41	9.41	0.00	0.00
G: 100%	9.41	9.41	0.00	0.00
Tota				
Ordinary	0.00	0.00	0.00	0.00
Splicing	14.49	12.39	1.62	0.00
I: 100%	14.49	12.39	1.62	0.00
Tota				
Ordinary	0.00	0.00	0.00	0.00
Splicing	499.63	425.35	42.15	12.90
J: 100%	499.63	425.35	42.15	12.90
Tota				
Ordinary	1174.09	1069.79	85.31	0.00
Splicing	43.90	37.15	5.07	0.00
U: 100%	1217.99	1106.94	90.38	0.00

<MAIN STRUCTURE>

Painting N		LATERAL
A:	Ordinary	241.55
	Splicing	17.54
	Total	259.09
C:	Ordinary	0.00
	Splicing	0.00
	Total	0.00
E:	Ordinary	0.00
	Splicing	5.82
	Total	5.82
G:	Ordinary	0.00
	Splicing	0.00
	Total	0.00
I:	Ordinary	0.00
	Splicing	0.48
	Total	0.48
J:	Ordinary	0.00
	Splicing	19.23
	Total	19.23
U:	Ordinary	18.99
	Splicing	1.68
	Total	20.67

<ACCESSORY>

Painting	N	Total	DRAINAGE
A:	Ordinar	3.80	3.80
	Splicin	0.00	0.00
	Total	3.80	3.80
C:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
E:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
G:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
I:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
J:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00
U:	Ordinar	0.00	0.00
	Splicin	0.00	0.00
	Total	0.00	0.00

3.2 Calculation of painting area

<GIRDER> Block:G1 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,075	1	U. FLG			11.89	5.94 (A)	5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)	
*=	590	3,550	1				2.09	2.09 (U)	
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)	
PL	2378 x 12.0	10,092	1	WEB	99		47.52	47.52 (A)	
*=	2278	3,550	1		99		8.01	16.01 (U)	
*=	-2278	3,550	1		99		-8.01	-16.01 (A)	
*=	100	10,092	1		99		1.00	2.00 (U)	
*=	-100	10,092	1		99		-1.00	-2.00 (A)	
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)	
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,343	3	V. STIF			0.61	1.83 (A)	
PL	130 x 10.0	2,343	1	V. STIF			0.61	0.61 (U)	
PL	140 x 12.0	1,364	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
PL	140 x 12.0	1,370	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,365	2	H. STIF			0.38	0.76 (A)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)	
PL	510 x 28.0	510	1	SOLE		Z		0.00 (A)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			37.98		0.00		
		C:			5.94		0.00		
		U:			36.79		0.00		

<GIRDER> Block:G1 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2380 x 12.0	10,168	1	WEB			48.40	48.40 (A)	
*=	100	10,168	1				1.02	2.03 (U)	
*=	-100	10,168	1				-1.02	-2.03 (A)	
PL	240 x 20.0	2,378	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,343	4	V. STIF			0.61	2.44 (A)	
PL	130 x 10.0	2,378	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			60.35		0.00		
		C:			5.99		0.00		
		U:			14.40		0.00		

<GIRDER> Block:G1 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 20.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 23.0	8,700	1	L. FLG			10.67	10.67 (U)	
PL	2382 x 12.0	8,723	1	WEB			41.56	41.56 (A)	
*=	100	8,723	1				0.87	1.74 (U)	
*=	-100	8,723	1				-0.87	-1.74 (A)	
PL	240 x 20.0	2,380	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,380	5	V. STIF			0.62	3.09 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		52.60		0.00			
		C:		5.13		0.00			
		U:		12.41		0.00			

<GIRDER> Block:G1 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 31.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 39.0	10,575	1	L. FLG	81		13.52	13.52 (U)	
PL	2372 x 12.0	10,604	1	WEB			50.31	50.31 (A)	
*=	100	10,604	1				1.06	2.12 (U)	
*=	-100	10,604	1				-1.06	-2.12 (A)	
PL	240 x 20.0	2,369	1	V. STIF			1.14	1.14 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	130 x 10.0	2,369	6	V. STIF			0.62	3.70 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	710 x 34.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		65.34		0.00			
		C:		6.24		0.00			
		U:		15.64		0.00			

<GIRDER> Block:G1 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 23.0	7,800	1	L. FLG			9.56	9.56 (U)	
PL	2382 x 12.0	7,834	1	WEB			37.32	37.32 (A)	
*=	100	7,834	1				0.78	1.57 (U)	
*=	-100	7,834	1				-0.78	-1.57 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			48.14		0.00		
		C:			4.60		0.00		
		U:			11.13		0.00		

<GIRDER> Block:G1 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2376 x 12.0	9,139	1	WEB	99		42.99	42.99 (A)	
*=	100	9,139	1		99		0.90	1.81 (U)	
*=	-100	9,139	1		99		-0.90	-1.81 (A)	
PL	240 x 20.0	2,374	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,374	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,339	4	V. STIF			0.61	2.43 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			54.22		0.00		
		C:			5.37		0.00		
		U:			12.89		0.00		

<GIRDER> Block:G1 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 21.0	9,100	1	L. FLG			11.12	11.12 (U)	
PL	2376 x 12.0	9,144	1	WEB	99		43.02	43.02 (A)	
*=	100	9,144	1		99		0.91	1.81 (U)	
*=	-100	9,144	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,374	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,339	6	V. STIF			0.61	3.65 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	4	H. STIF			0.34	1.37 (A)	
PL	140 x 12.0	1,215	2	H. STIF			0.34	0.68 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			53.61		0.00		
		C:			5.37		0.00		
		U:			12.93		0.00		

<GIRDER> Block:G1 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2376 x 12.0	9,149	1	WEB	99		43.04	43.04 (A)	
*=	100	9,149	1		99		0.91	1.81 (U)	
*=	-100	9,149	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,374	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,339	4	V. STIF			0.61	2.43 (A)	
PL	130 x 10.0	2,374	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			54.27		0.00		
		C:			5.37		0.00		
		U:			12.90		0.00		

<GIRDER> Block:G1 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 23.0	7,800	1	L. FLG			9.56	9.56 (U)	
PL	2382 x 12.0	7,854	1	WEB	99		37.04	37.04 (A)	
*=	100	7,854	1		99		0.78	1.56 (U)	
*=	-100	7,854	1		99		-0.78	-1.56 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		47.87		0.00			
		C:		4.60		0.00			
		U:		11.12		0.00			

<GIRDER> Block:G1 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 31.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 39.0	10,575	1	L. FLG	81		13.52	13.52 (U)	
PL	2371 x 12.0	10,635	1	WEB	99		49.93	49.93 (A)	
*=	100	10,635	1		99		1.05	2.11 (U)	
*=	-100	10,635	1		99		-1.05	-2.11 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	240 x 20.0	2,369	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,369	6	V. STIF			0.62	3.70 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	710 x 42.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		64.98		0.00			
		C:		6.24		0.00			
		U:		15.62		0.00			

<GIRDER> Block:G1 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 20.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 23.0	8,700	1	L. FLG			10.67	10.67 (U)	
PL	2381 x 12.0	8,765	1	WEB	99		41.32	41.32 (A)	
*=	100	8,765	1		99		0.87	1.74 (U)	
*=	-100	8,765	1		99		-0.87	-1.74 (A)	
PL	240 x 20.0	2,380	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,380	5	V. STIF			0.62	3.09 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			52.38		0.00		
		C:			5.13		0.00		
		U:			12.40		0.00		

<GIRDER> Block:G1 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2379 x 12.0	10,222	1	WEB	99		48.15	48.15 (A)	
*=	100	10,222	1		99		1.01	2.02 (U)	
*=	-100	10,222	1		99		-1.01	-2.02 (A)	
PL	240 x 20.0	2,378	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,378	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,343	4	V. STIF			0.61	2.44 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,366	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			60.11		0.00		
		C:			5.99		0.00		
		U:			14.39		0.00		

<GIRDER> Block:G1 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	590 x 22.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2377 x 12.0	10,151	1	WEB	98		47.29	47.29 (A)
*=	2277	3,550	1		98		7.92	15.84 (U)
*=	-2277	3,550	1		98		-7.92	-15.84 (A)
*=	100	10,151	1		98		0.99	1.99 (U)
*=	-100	10,151	1		98		-0.99	-1.99 (A)
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	130 x 10.0	2,343	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,343	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	140 x 12.0	1,371	3	H. STIF			0.38	1.15 (A)
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,366	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (U)
PL	510 x 40.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		38.31		0.00		
		C:		5.94		0.00		
		U:		36.61		0.00		

<GIRDER> Block:G1 H ANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	100 x 9.0	270	136	HANG			0.05	7.34 (A)
PL	100 x 9.0	120	68	HANG			0.02	1.63 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		8.98		0.00		

<GIRDER> Block:G1 SPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
TCB	M 22	85	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2243 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2243	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.40		2.40		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		6.60		
		U:			-0.62		0.62		

<GIRDER> Block:G1 SPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2244 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2244	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.20		
		J:			0.00		7.39		
		U:			-0.62		0.62		

<GIRDER> Block:G1 SPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 11.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2245 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2245	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.24			
		J:		0.00		7.58			
		U:		-0.69		0.69			

<GIRDER> Block:G1 SPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 12.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2246 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2246	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.24			
		J:		0.00		7.59			
		U:		-0.69		0.69			

<GIRDER> Block:G1 SPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)
*=	260	330	2			J	0.09	0.34 (J)
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)
*=	580	330	1			J	0.19	0.38 (J)
PL	260 x 8.0	165	2	FILL		J	0.09	0.17 (J)
TCB M 22		85	24	U. FLG		J	5.06	0.02 (E) 0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)
*=	260	630	2		88	J	0.14	0.58 (J)
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)
*=	580	630	1		90	J	0.33	0.66 (J)
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)
PL	2247 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)
*=	2247	480	2			J	1.08	4.31 (J)
TCB M 22		65	138	WEB		J	5.06	0.70 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		-2.33		2.33		
		C:		-0.19		0.19		
		E:		0.00		0.72		
		G:		0.00		0.10		
		I:		0.00		0.20		
		J:		0.00		6.78		
		U:		-0.62		0.62		

<GIRDER> Block:G1 SPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	260 x 16.0	780	2	UF. SPL		D	0.41	0.41 (A)
*=	260	780	2			J	0.20	0.81 (J)
PL	580 x 14.0	780	1	UF. SPL		D	0.90	0.45 (C)
*=	580	780	1			J	0.45	0.90 (J)
TCB M 22		95	60	U. FLG		J	5.06	0.05 (E) 0.25 (G)
PL	260 x 14.0	930	2	LF. SPL	73	D	0.35	0.35 (U)
*=	260	930	2		73	J	0.18	0.71 (J)
PL	580 x 14.0	930	1	LF. SPL	76	D	0.82	0.41 (U)
*=	580	930	1		76	J	0.41	0.82 (J)
PL	580 x 3.2	465	1	FILL	76	J	0.41	0.41 (J)
TCB M 22		85	48	L. FLG		J	5.06	0.24 (I)
PL	2248 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)
*=	2248	480	2			J	1.08	4.32 (J)
TCB M 22		65	138	WEB		J	5.06	0.70 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		-2.56		2.56		
		C:		-0.45		0.45		
		E:		0.00		0.75		
		G:		0.00		0.25		
		I:		0.00		0.24		
		J:		0.00		7.97		
		U:		-0.76		0.76		

<GIRDER> Block:G1 SPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 16.0	780	2	UF. SPL		D	0.41	0.41 (A)	
*=	260	780	2			J	0.20	0.81 (J)	
PL	580 x 14.0	780	1	UF. SPL		D	0.90	0.45 (C)	
*=	580	780	1			J	0.45	0.90 (J)	
TCB	M 22	95	60	U. FLG		J	5.06	0.05 (E)	0.25 (G)
PL	260 x 14.0	930	2	LF. SPL	73	D	0.35	0.35 (U)	
*=	260	930	2		73	J	0.18	0.71 (J)	
PL	580 x 14.0	930	1	LF. SPL	76	D	0.82	0.41 (U)	
*=	580	930	1		76	J	0.41	0.82 (J)	
PL	580 x 3.2	465	1	FILL	76	J	0.41	0.41 (J)	
TCB	M 22	85	48	L. FLG		J	5.06	0.24 (I)	
PL	2249 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2249	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.56		2.56			
		C:		-0.45		0.45			
		E:		0.00		0.75			
		G:		0.00		0.25			
		I:		0.00		0.24			
		J:		0.00		7.97			
		U:		-0.76		0.76			

<GIRDER> Block:G1 SPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 8.0	165	2	FILL		J	0.09	0.17 (J)	
TCB	M 22	85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2250 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2250	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G1 SPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 12.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2251 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2251	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.60		
		U:			-0.69		0.69		

<GIRDER> Block:G1 SPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 11.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2252 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2252	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.60		
		U:			-0.69		0.69		

<GIRDER> Block:G1 SPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB M 22		85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2253 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2253	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.20		
		J:			0.00		7.41		
		U:			-0.62		0.62		

<GIRDER> Block:G1 SPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
TCB M 22		85	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2254 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2254	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.41		2.41		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		6.62		
		U:			-0.62		0.62		

<GIRDER> Block:G2 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A)	5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)	
*=	590	3,550	1				2.09	2.09 (U)	
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)	
PL	2379 x 12.0	10,092	1	WEB	99		47.54	47.54 (A)	
*=	2279	3,550	1		99		8.01	16.02 (U)	
*=	-2279	3,550	1		99		-8.01	-16.02 (A)	
*=	100	10,092	1		99		1.00	2.00 (U)	
*=	-100	10,092	1		99		-1.00	-2.00 (A)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)	
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)	
PL	140 x 12.0	1,364	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
PL	140 x 12.0	1,370	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,365	2	H. STIF			0.38	0.76 (A)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)	
PL	510 x 28.0	510	1	SOLE		Z		0.00 (A)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		39.13		0.00			
		C:		5.94		0.00			
		U:		36.80		0.00			

<GIRDER> Block:G2 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2381 x 12.0	10,168	1	WEB			48.42	48.42 (A)	
*=	100	10,168	1				1.02	2.03 (U)	
*=	-100	10,168	1				-1.02	-2.03 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)	
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		63.63		0.00			
		C:		5.99		0.00			
		U:		14.40		0.00			

<GIRDER> Block:G2 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)	
PL	2383 x 12.0	8,723	1	WEB			41.57	41.57 (A)	
*=	100	8,723	1				0.87	1.74 (U)	
*=	-100	8,723	1				-0.87	-1.74 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		53.76		0.00			
		C:		5.13		0.00			
		U:		12.38		0.00			

<GIRDER> Block:G2 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 29.0	10,575	1	L. FLG	81		13.35	13.35 (U)	
PL	2381 x 12.0	10,604	1	WEB			50.50	50.50 (A)	
*=	100	10,604	1				1.06	2.12 (U)	
*=	-100	10,604	1				-1.06	-2.12 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	130 x 10.0	2,378	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	710 x 34.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			O. P(m2)		S. P(m2)		
		A:			66.70		0.00		
		C:			6.24		0.00		
		U:			15.47		0.00		

<GIRDER> Block:G2 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,834	1	WEB			37.32	37.32 (A)	
*=	100	7,834	1				0.78	1.57 (U)	
*=	-100	7,834	1				-0.78	-1.57 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color			O. P(m2)		S. P(m2)		
		A:			50.42		0.00		
		C:			4.60		0.00		
		U:			11.10		0.00		

<GIRDER> Block:G2 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,139	1	WEB	99		43.01	43.01 (A)	
*=	100	9,139	1		99		0.90	1.81 (U)	
*=	-100	9,139	1		99		-0.90	-1.81 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,375	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,340	4	V. STIF			0.61	2.43 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		57.50		0.00			
		C:		5.37		0.00			
		U:		12.89		0.00			

<GIRDER> Block:G2 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,144	1	WEB	99		43.04	43.04 (A)	
*=	100	9,144	1		99		0.91	1.81 (U)	
*=	-100	9,144	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,375	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,375	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,340	6	V. STIF			0.61	3.65 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	4	H. STIF			0.34	1.37 (A)	
PL	140 x 12.0	1,215	2	H. STIF			0.34	0.68 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		55.74		0.00			
		C:		5.37		0.00			
		U:		12.89		0.00			

<GIRDER> Block:G2 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,149	1	WEB	99		43.06	43.06 (A)	
*=	100	9,149	1		99		0.91	1.81 (U)	
*=	-100	9,149	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,340	4	V. STIF			0.61	2.43 (A)	
PL	130 x 10.0	2,375	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		57.54		0.00			
		C:		5.37		0.00			
		U:		12.90		0.00			

<GIRDER> Block:G2 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,854	1	WEB	99		37.04	37.04 (A)	
*=	100	7,854	1		99		0.78	1.56 (U)	
*=	-100	7,854	1		99		-0.78	-1.56 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		50.16		0.00			
		C:		4.60		0.00			
		U:		11.09		0.00			

<GIRDER> Block:G2 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 29.0	10,575	1	L. FLG	81		13.35	13.35 (U)	
PL	2380 x 12.0	10,635	1	WEB	99		50.12	50.12 (A)	
*=	100	10,635	1		99		1.05	2.11 (U)	
*=	-100	10,635	1		99		-1.05	-2.11 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,378	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	710 x 42.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		66.34		0.00			
		C:		6.24		0.00			
		U:		15.45		0.00			

<GIRDER> Block:G2 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)	
PL	2382 x 12.0	8,765	1	WEB	99		41.34	41.34 (A)	
*=	100	8,765	1		99		0.87	1.74 (U)	
*=	-100	8,765	1		99		-0.87	-1.74 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		53.54		0.00			
		C:		5.13		0.00			
		U:		12.37		0.00			

<GIRDER> Block:G2 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2380 x 12.0	10,222	1	WEB	99		48.17	48.17 (A)	
*=	100	10,222	1		99		1.01	2.02 (U)	
*=	-100	10,222	1		99		-1.01	-2.02 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,366	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		63.39		0.00			
		C:		5.99		0.00			
		U:		14.39		0.00			

<GIRDER> Block:G2 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2378 x 12.0	10,151	1	WEB	98		47.31	47.31 (A)
*=	2278	3,550	1		98		7.93	15.85 (U)
*=	-2278	3,550	1		98		-7.93	-15.85 (A)
*=	100	10,151	1		98		0.99	1.99 (U)
*=	-100	10,151	1		98		-0.99	-1.99 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,366	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (U)
PL	510 x 40.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		39.09		0.00		
		C:		5.94		0.00		
		U:		36.62		0.00		

<GIRDER> Block:G2 H ANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	100 x 9.0	120	136	HANG			0.02	3.26 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		3.26		0.00		

<GIRDER> Block:G2 SPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB	M 22	80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2243 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2243	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.32		2.32			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.27			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 10.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	260 x 2.3	240	2	FILL		J	0.12	0.25 (J)	
TCB	M 22	80	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2244 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2244	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.40		2.40			
		C:		-0.28		0.28			
		E:		0.00		0.73			
		G:		0.00		0.15			
		I:		0.00		0.20			
		J:		0.00		7.18			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2245 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2245	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.17			
		U:		-0.53		0.53			

<GIRDER> Block:G2 SPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2246 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2246	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.17			
		U:		-0.53		0.53			

<GIRDER> Block:G2 SPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 6.0	165	2	FILL		J	0.09	0.17 (J)	
TCB M 22		85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2247 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2247	480	2			J	1.08	4.31 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 16.0	630	2	UF. SPL		D	0.33	0.33 (A)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)	
*=	580	630	1			J	0.37	0.73 (J)	
TCB M 22		90	48	U. FLG		J	5.06	0.04 (E)	0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2248 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2248	480	2			J	1.08	4.32 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.49		2.49			
		C:		-0.37		0.37			
		E:		0.00		0.74			
		G:		0.00		0.20			
		I:		0.00		0.20			
		J:		0.00		6.94			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 16.0	630	2	UF. SPL		D	0.33	0.33 (A)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)	
*=	580	630	1			J	0.37	0.73 (J)	
TCB	M 22	90	48	U. FLG		J	5.06	0.04 (E)	0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2249 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2249	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.49		2.49			
		C:		-0.37		0.37			
		E:		0.00		0.74			
		G:		0.00		0.20			
		I:		0.00		0.20			
		J:		0.00		6.94			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 6.0	165	2	FILL		J	0.09	0.17 (J)	
TCB	M 22	85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2250 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2250	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G2 SPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2251 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2251	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.18		
		U:			-0.53		0.53		

<GIRDER> Block:G2 SPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2252 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2252	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.18		
		U:			-0.53		0.53		

<GIRDER> Block:G2 SPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 10.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	260 x 2.3	240	2	FILL		J	0.12	0.25 (J)	
TCB M 22		80	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2253 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2253	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.41		2.41		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		7.19		
		U:			-0.62		0.62		

<GIRDER> Block:G2 SPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB M 22		80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2254 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2254	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.34		2.34		
		C:			-0.19		0.19		
		E:			0.00		0.72		
		G:			0.00		0.10		
		I:			0.00		0.20		
		J:			0.00		6.29		
		U:			-0.62		0.62		

<GIRDER> Block:G3 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A)	5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)	
*=	590	3,550	1				2.09	2.09 (U)	
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)	
PL	2379 x 12.0	10,092	1	WEB	99		47.54	47.54 (A)	
*=	2279	3,550	1		99		8.01	16.02 (U)	
*=	-2279	3,550	1		99		-8.01	-16.02 (A)	
*=	100	10,092	1		99		1.00	2.00 (U)	
*=	-100	10,092	1		99		-1.00	-2.00 (A)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)	
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)	
PL	140 x 12.0	1,364	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
PL	140 x 12.0	1,370	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,365	2	H. STIF			0.38	0.76 (A)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)	
PL	510 x 28.0	510	1	SOLE		Z		0.00 (A)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		39.13		0.00			
		C:		5.94		0.00			
		U:		36.80		0.00			

<GIRDER> Block:G3 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2381 x 12.0	10,168	1	WEB			48.42	48.42 (A)	
*=	100	10,168	1				1.02	2.03 (U)	
*=	-100	10,168	1				-1.02	-2.03 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)	
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		63.63		0.00			
		C:		5.99		0.00			
		U:		14.40		0.00			

<GIRDER> Block:G3 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)	
PL	2383 x 12.0	8,723	1	WEB			41.57	41.57 (A)	
*=	100	8,723	1				0.87	1.74 (U)	
*=	-100	8,723	1				-0.87	-1.74 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		53.76		0.00			
		C:		5.13		0.00			
		U:		12.38		0.00			

<GIRDER> Block:G3 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 21.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 27.0	10,575	1	L. FLG	81		13.31	13.31 (U)	
PL	2382 x 12.0	10,604	1	WEB			50.52	50.52 (A)	
*=	100	10,604	1				1.06	2.12 (U)	
*=	-100	10,604	1				-1.06	-2.12 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	320 x 26.0	2,379	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,379	1	V. STIF			1.52	1.52 (A)	
PL	130 x 10.0	2,379	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	710 x 34.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		66.73		0.00			
		C:		6.24		0.00			
		U:		15.43		0.00			

<GIRDER> Block:G3 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,834	1	WEB			37.32	37.32 (A)	
*=	100	7,834	1				0.78	1.57 (U)	
*=	-100	7,834	1				-0.78	-1.57 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		50.42		0.00			
		C:		4.60		0.00			
		U:		11.10		0.00			

<GIRDER> Block:G3 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 24.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2378 x 12.0	9,139	1	WEB	99		43.03	43.03 (A)	
*=	100	9,139	1		99		0.90	1.81 (U)	
*=	-100	9,139	1		99		-0.90	-1.81 (A)	
PL	240 x 20.0	2,376	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,376	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,376	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,341	4	V. STIF			0.61	2.43 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			57.52		0.00		
		C:			5.37		0.00		
		U:			12.89		0.00		

<GIRDER> Block:G3 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 24.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2378 x 12.0	9,144	1	WEB	99		43.05	43.05 (A)	
*=	100	9,144	1		99		0.91	1.81 (U)	
*=	-100	9,144	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,376	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,376	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,341	6	V. STIF			0.61	3.65 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	4	H. STIF			0.34	1.37 (A)	
PL	140 x 12.0	1,215	2	H. STIF			0.34	0.68 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			55.77		0.00		
		C:			5.37		0.00		
		U:			12.89		0.00		

<GIRDER> Block:G3 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 24.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2378 x 12.0	9,149	1	WEB	99		43.08	43.08 (A)	
*=	100	9,149	1		99		0.91	1.81 (U)	
*=	-100	9,149	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,376	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,376	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,341	4	V. STIF			0.61	2.43 (A)	
PL	130 x 10.0	2,376	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			57.56		0.00		
		C:			5.37		0.00		
		U:			12.90		0.00		

<GIRDER> Block:G3 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,854	1	WEB	99		37.04	37.04 (A)	
*=	100	7,854	1		99		0.78	1.56 (U)	
*=	-100	7,854	1		99		-0.78	-1.56 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			50.16		0.00		
		C:			4.60		0.00		
		U:			11.09		0.00		

<GIRDER> Block:G3 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 21.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 27.0	10,575	1	L. FLG	81		13.31	13.31 (U)	
PL	2381 x 12.0	10,635	1	WEB	99		50.14	50.14 (A)	
*=	100	10,635	1		99		1.05	2.11 (U)	
*=	-100	10,635	1		99		-1.05	-2.11 (A)	
PL	320 x 26.0	2,379	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,379	1	V. STIF			1.52	1.52 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,379	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	710 x 42.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			66.36		0.00		
		C:			6.24		0.00		
		U:			15.42		0.00		

<GIRDER> Block:G3 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)	
PL	2382 x 12.0	8,765	1	WEB	99		41.34	41.34 (A)	
*=	100	8,765	1		99		0.87	1.74 (U)	
*=	-100	8,765	1		99		-0.87	-1.74 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			53.54		0.00		
		C:			5.13		0.00		
		U:			12.37		0.00		

<GIRDER> Block:G3 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2380 x 12.0	10,222	1	WEB	99		48.17	48.17 (A)	
*=	100	10,222	1		99		1.01	2.02 (U)	
*=	-100	10,222	1		99		-1.01	-2.02 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,366	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		63.39		0.00			
		C:		5.99		0.00			
		U:		14.39		0.00			

<GIRDER> Block:G3 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2378 x 12.0	10,151	1	WEB	98		47.31	47.31 (A)
*=	2278	3,550	1		98		7.93	15.85 (U)
*=	-2278	3,550	1		98		-7.93	-15.85 (A)
*=	100	10,151	1		98		0.99	1.99 (U)
*=	-100	10,151	1		98		-0.99	-1.99 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,366	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (U)
PL	510 x 40.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		39.09		0.00		
		C:		5.94		0.00		
		U:		36.62		0.00		

<GIRDER> Block:G3 H ANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	100 x 9.0	120	136	HANG			0.02	3.26 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		3.26		0.00		

<GIRDER> Block:G3 SPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB	M 22	80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2243 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2243	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.32		2.32			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.27			
		U:		-0.62		0.62			

<GIRDER> Block:G3 SPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2244 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2244	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.20			
		J:		0.00		7.39			
		U:		-0.62		0.62			

<GIRDER> Block:G3 SPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 6.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2245 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2245	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.17			
		U:		-0.53		0.53			

<GIRDER> Block:G3 SPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 6.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2246 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2246	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.44		2.44			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.17			
		U:		-0.53		0.53			

<GIRDER> Block:G3 SPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)
*=	260	330	2			J	0.09	0.34 (J)
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)
*=	580	330	1			J	0.19	0.38 (J)
PL	260 x 4.5	165	2	FILL		J	0.09	0.17 (J)
TCB M 22		85	24	U. FLG		J	5.06	0.02 (E) 0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)
*=	260	630	2		88	J	0.14	0.58 (J)
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)
*=	580	630	1		90	J	0.33	0.66 (J)
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)
PL	2247 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)
*=	2247	480	2			J	1.08	4.31 (J)
TCB M 22		65	138	WEB		J	5.06	0.70 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		-2.33		2.33		
		C:		-0.19		0.19		
		E:		0.00		0.72		
		G:		0.00		0.10		
		I:		0.00		0.20		
		J:		0.00		6.78		
		U:		-0.62		0.62		

<GIRDER> Block:G3 SPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	260 x 14.0	630	2	UF. SPL		D	0.33	0.33 (A)
*=	260	630	2			J	0.16	0.66 (J)
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)
*=	580	630	1			J	0.37	0.73 (J)
TCB M 22		90	48	U. FLG		J	5.06	0.04 (E) 0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)
*=	260	630	2		88	J	0.14	0.58 (J)
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)
*=	580	630	1		90	J	0.33	0.66 (J)
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)
PL	2248 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)
*=	2248	480	2			J	1.08	4.32 (J)
TCB M 22		65	138	WEB		J	5.06	0.70 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		-2.49		2.49		
		C:		-0.37		0.37		
		E:		0.00		0.74		
		G:		0.00		0.20		
		I:		0.00		0.20		
		J:		0.00		6.94		
		U:		-0.62		0.62		

<GIRDER> Block:G3 SPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL		D	0.33	0.33 (A)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)	
*=	580	630	1			J	0.37	0.73 (J)	
TCB	M 22	90	48	U. FLG		J	5.06	0.04 (E)	0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2249 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2249	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.49		2.49			
		C:		-0.37		0.37			
		E:		0.00		0.74			
		G:		0.00		0.20			
		I:		0.00		0.20			
		J:		0.00		6.94			
		U:		-0.62		0.62			

<GIRDER> Block:G3 SPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 4.5	165	2	FILL		J	0.09	0.17 (J)	
TCB	M 22	85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2250 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2250	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G3 SPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 6.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2251 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2251	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.45		2.45			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.18			
		U:		-0.53		0.53			

<GIRDER> Block:G3 SPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 6.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2252 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2252	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		-2.45		2.45			
		C:		-0.33		0.33			
		E:		0.00		0.73			
		G:		0.00		0.17			
		I:		0.00		0.18			
		J:		0.00		7.18			
		U:		-0.53		0.53			

<GIRDER> Block:G3 SPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB M 22		85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2253 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2253	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.20		
		J:			0.00		7.41		
		U:			-0.62		0.62		

<GIRDER> Block:G3 SPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB M 22		80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2254 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2254	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.34		2.34		
		C:			-0.19		0.19		
		E:			0.00		0.72		
		G:			0.00		0.10		
		I:			0.00		0.20		
		J:			0.00		6.29		
		U:			-0.62		0.62		

<GIRDER> Block:G4 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A)	5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)	
*=	590	3,550	1				2.09	2.09 (U)	
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)	
PL	2379 x 12.0	10,092	1	WEB	99		47.54	47.54 (A)	
*=	2279	3,550	1		99		8.01	16.02 (U)	
*=	-2279	3,550	1		99		-8.01	-16.02 (A)	
*=	100	10,092	1		99		1.00	2.00 (U)	
*=	-100	10,092	1		99		-1.00	-2.00 (A)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)	
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)	
PL	140 x 12.0	1,364	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)	
PL	140 x 12.0	1,370	1	H. STIF			0.38	0.38 (U)	
PL	140 x 12.0	1,365	2	H. STIF			0.38	0.76 (A)	
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)	
PL	510 x 28.0	510	1	SOLE		Z		0.00 (A)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		39.13		0.00			
		C:		5.94		0.00			
		U:		36.80		0.00			

<GIRDER> Block:G4 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A) 5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)
PL	2381 x 12.0	10,168	1	WEB			48.42	48.42 (A)
*=	100	10,168	1				1.02	2.03 (U)
*=	-100	10,168	1				-1.02	-2.03 (A)
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)
RB	D 16	600	11	S. ANC		Z		0.00 (A)
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		63.63		0.00		
		C:		5.99		0.00		
		U:		14.40		0.00		

<GIRDER> Block:G4 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A) 5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)
PL	2383 x 12.0	8,723	1	WEB			41.57	41.57 (A)
*=	100	8,723	1				0.87	1.74 (U)
*=	-100	8,723	1				-0.87	-1.74 (A)
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)
RB	D 16	600	9	S. ANC		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		53.76		0.00		
		C:		5.13		0.00		
		U:		12.38		0.00		

<GIRDER> Block:G4 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 29.0	10,575	1	L. FLG	81		13.35	13.35 (U)	
PL	2381 x 12.0	10,604	1	WEB			50.50	50.50 (A)	
*=	100	10,604	1				1.06	2.12 (U)	
*=	-100	10,604	1				-1.06	-2.12 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	130 x 10.0	2,378	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	710 x 34.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			O. P(m2)		S. P(m2)		
		A:			66.70		0.00		
		C:			6.24		0.00		
		U:			15.47		0.00		

<GIRDER> Block:G4 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,834	1	WEB			37.32	37.32 (A)	
*=	100	7,834	1				0.78	1.57 (U)	
*=	-100	7,834	1				-0.78	-1.57 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color			O. P(m2)		S. P(m2)		
		A:			50.42		0.00		
		C:			4.60		0.00		
		U:			11.10		0.00		

<GIRDER> Block:G4 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,139	1	WEB	99		43.01	43.01 (A)	
*=	100	9,139	1		99		0.90	1.81 (U)	
*=	-100	9,139	1		99		-0.90	-1.81 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,375	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,340	4	V. STIF			0.61	2.43 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		57.50		0.00			
		C:		5.37		0.00			
		U:		12.89		0.00			

<GIRDER> Block:G4 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,144	1	WEB	99		43.04	43.04 (A)	
*=	100	9,144	1		99		0.91	1.81 (U)	
*=	-100	9,144	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,375	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,375	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,340	6	V. STIF			0.61	3.65 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	4	H. STIF			0.34	1.37 (A)	
PL	140 x 12.0	1,215	2	H. STIF			0.34	0.68 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		55.74		0.00			
		C:		5.37		0.00			
		U:		12.89		0.00			

<GIRDER> Block:G4 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 25.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2377 x 12.0	9,149	1	WEB	99		43.06	43.06 (A)	
*=	100	9,149	1		99		0.91	1.81 (U)	
*=	-100	9,149	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,375	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,340	4	V. STIF			0.61	2.43 (A)	
PL	130 x 10.0	2,375	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		57.54		0.00			
		C:		5.37		0.00			
		U:		12.90		0.00			

<GIRDER> Block:G4 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 21.0	7,800	1	L. FLG			9.53	9.53 (U)	
PL	2382 x 12.0	7,854	1	WEB	99		37.04	37.04 (A)	
*=	100	7,854	1		99		0.78	1.56 (U)	
*=	-100	7,854	1		99		-0.78	-1.56 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		50.16		0.00			
		C:		4.60		0.00			
		U:		11.09		0.00			

<GIRDER> Block:G4 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 29.0	10,575	1	L. FLG	81		13.35	13.35 (U)	
PL	2380 x 12.0	10,635	1	WEB	99		50.12	50.12 (A)	
*=	100	10,635	1		99		1.05	2.11 (U)	
*=	-100	10,635	1		99		-1.05	-2.11 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,378	1	V. STIF			1.52	1.52 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,378	6	V. STIF			0.62	3.71 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	710 x 42.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			66.34		0.00		
		C:			6.24		0.00		
		U:			15.45		0.00		

<GIRDER> Block:G4 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 21.0	8,700	1	L. FLG			10.63	10.63 (U)	
PL	2382 x 12.0	8,765	1	WEB	99		41.34	41.34 (A)	
*=	100	8,765	1		99		0.87	1.74 (U)	
*=	-100	8,765	1		99		-0.87	-1.74 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	240 x 20.0	2,381	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,381	5	V. STIF			0.62	3.10 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			O. P (m2)		S. P (m2)		
		A:			53.54		0.00		
		C:			5.13		0.00		
		U:			12.37		0.00		

<GIRDER> Block:G4 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	590 x 21.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2380 x 12.0	10,222	1	WEB	99		48.17	48.17 (A)	
*=	100	10,222	1		99		1.01	2.02 (U)	
*=	-100	10,222	1		99		-1.01	-2.02 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	240 x 20.0	2,379	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,379	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,344	4	V. STIF			0.61	2.44 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,366	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
PL	241 x 10.0	239	1	CONN			0.12	0.12 (A)	
PL	270 x 10.0	239	1	CONN			0.13	0.13 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		63.39		0.00			
		C:		5.99		0.00			
		U:		14.39		0.00			

<GIRDER> Block:G4 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 21.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2378 x 12.0	10,151	1	WEB	98		47.31	47.31 (A)
*=	2278	3,550	1		98		7.93	15.85 (U)
*=	-2278	3,550	1		98		-7.93	-15.85 (A)
*=	100	10,151	1		98		0.99	1.99 (U)
*=	-100	10,151	1		98		-0.99	-1.99 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	240 x 20.0	2,379	1	V. STIF			1.14	1.14 (A)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,379	1	V. STIF			1.33	1.33 (U)
PL	130 x 10.0	2,344	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,344	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,366	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (U)
PL	510 x 40.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		39.09		0.00		
		C:		5.94		0.00		
		U:		36.62		0.00		

<GIRDER> Block:G4 H ANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	100 x 9.0	120	136	HANG			0.02	3.26 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		3.26		0.00		

<GIRDER> Block:G4 SPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB	M 22	80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2243 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2243	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.32		2.32			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.27			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 10.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	260 x 2.3	240	2	FILL		J	0.12	0.25 (J)	
TCB	M 22	80	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2244 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2244	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.40		2.40			
		C:		-0.28		0.28			
		E:		0.00		0.73			
		G:		0.00		0.15			
		I:		0.00		0.20			
		J:		0.00		7.18			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2245 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2245	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.17		
		U:			-0.53		0.53		

<GIRDER> Block:G4 SPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2246 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2246	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.17		
		U:			-0.53		0.53		

<GIRDER> Block:G4 SPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 6.0	165	2	FILL		J	0.09	0.17 (J)	
TCB M 22		85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2247 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2247	480	2			J	1.08	4.31 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 16.0	630	2	UF. SPL		D	0.33	0.33 (A)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)	
*=	580	630	1			J	0.37	0.73 (J)	
TCB M 22		90	48	U. FLG		J	5.06	0.04 (E)	0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2248 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2248	480	2			J	1.08	4.32 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.49		2.49			
		C:		-0.37		0.37			
		E:		0.00		0.74			
		G:		0.00		0.20			
		I:		0.00		0.20			
		J:		0.00		6.94			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 16.0	630	2	UF. SPL		D	0.33	0.33 (A)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 14.0	630	1	UF. SPL		D	0.73	0.37 (C)	
*=	580	630	1			J	0.37	0.73 (J)	
TCB	M 22	90	48	U. FLG		J	5.06	0.04 (E)	0.20 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2249 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2249	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.49		2.49			
		C:		-0.37		0.37			
		E:		0.00		0.74			
		G:		0.00		0.20			
		I:		0.00		0.20			
		J:		0.00		6.94			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 6.0	165	2	FILL		J	0.09	0.17 (J)	
TCB	M 22	85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2250 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2250	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G4 SPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2251 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2251	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.18		
		U:			-0.53		0.53		

<GIRDER> Block:G4 SPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 3.2	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 12.0	480	2	LF. SPL		D	0.25	0.25 (U)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	LF. SPL		D	0.56	0.28 (U)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	580 x 8.0	240	1	FILL		J	0.28	0.28 (J)	
TCB	M 22	90	36	L. FLG		J	5.06	0.18 (I)	
PL	2252 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2252	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.18		
		J:			0.00		7.18		
		U:			-0.53		0.53		

<GIRDER> Block:G4 SPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 10.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
PL	260 x 2.3	240	2	FILL		J	0.12	0.25 (J)	
TCB M 22		80	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 2.3	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2253 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2253	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.41		2.41		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		7.19		
		U:			-0.62		0.62		

<GIRDER> Block:G4 SPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 12.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
TCB M 22		80	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2254 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2254	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.34		2.34		
		C:			-0.19		0.19		
		E:			0.00		0.72		
		G:			0.00		0.10		
		I:			0.00		0.20		
		J:			0.00		6.29		
		U:			-0.62		0.62		

<GIRDER> Block:G5 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 22.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2378 x 12.0	10,092	1	WEB	99		47.52	47.52 (A)
*=	2278	3,550	1		99		8.01	16.01 (U)
*=	-2278	3,550	1		99		-8.01	-16.01 (A)
*=	100	10,092	1		99		1.00	2.00 (U)
*=	-100	10,092	1		99		-1.00	-2.00 (A)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)
PL	130 x 10.0	2,343	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,343	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	1,364	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)
PL	140 x 12.0	1,370	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,365	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	510 x 28.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		37.98		0.00		
		C:		5.94		0.00		
		U:		36.79		0.00		

<GIRDER> Block:G5 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 22.0	10,150	1	U. FLG			11.98	5.99 (A) 5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)
PL	2380 x 12.0	10,168	1	WEB			48.40	48.40 (A)
*=	100	10,168	1				1.02	2.03 (U)
*=	-100	10,168	1				-1.02	-2.03 (A)
PL	240 x 20.0	2,378	2	V. STIF			1.14	2.28 (A)
PL	130 x 10.0	2,343	4	V. STIF			0.61	2.44 (A)
PL	130 x 10.0	2,378	1	V. STIF			0.62	0.62 (A)
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)
PL	140 x 12.0	1,370	2	H. STIF			0.38	0.77 (A)
RB	D 16	600	11	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		60.35		0.00		
		C:		5.99		0.00		
		U:		14.40		0.00		

<GIRDER> Block:G5 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 20.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 23.0	8,700	1	L. FLG			10.67	10.67 (U)	
PL	2382 x 12.0	8,723	1	WEB			41.56	41.56 (A)	
*=	100	8,723	1				0.87	1.74 (U)	
*=	-100	8,723	1				-0.87	-1.74 (A)	
PL	240 x 20.0	2,380	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,380	5	V. STIF			0.62	3.09 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		52.60		0.00			
		C:		5.13		0.00			
		U:		12.41		0.00			

<GIRDER> Block:G5 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 31.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 39.0	10,575	1	L. FLG	81		13.52	13.52 (U)	
PL	2372 x 12.0	10,604	1	WEB			50.31	50.31 (A)	
*=	100	10,604	1				1.06	2.12 (U)	
*=	-100	10,604	1				-1.06	-2.12 (A)	
PL	240 x 20.0	2,369	1	V. STIF			1.14	1.14 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	130 x 10.0	2,369	6	V. STIF			0.62	3.70 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	710 x 34.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		65.34		0.00			
		C:		6.24		0.00			
		U:		15.64		0.00			

<GIRDER> Block:G5 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A) 4.60 (C)
PL	590 x 23.0	7,800	1	L. FLG			9.56	9.56 (U)
PL	2382 x 12.0	7,834	1	WEB			37.32	37.32 (A)
*=	100	7,834	1				0.78	1.57 (U)
*=	-100	7,834	1				-0.78	-1.57 (A)
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)
RB	D 16	600	8	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		48.14		0.00		
		C:		4.60		0.00		
		U:		11.13		0.00		

<GIRDER> Block:G5 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A) 5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)
PL	2376 x 12.0	9,139	1	WEB	99		42.99	42.99 (A)
*=	100	9,139	1		99		0.90	1.81 (U)
*=	-100	9,139	1		99		-0.90	-1.81 (A)
PL	240 x 20.0	2,374	2	V. STIF			1.14	2.28 (A)
PL	130 x 10.0	2,374	1	V. STIF			0.62	0.62 (A)
PL	130 x 10.0	2,339	4	V. STIF			0.61	2.43 (A)
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		54.22		0.00		
		C:		5.37		0.00		
		U:		12.89		0.00		

<GIRDER> Block:G5 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 21.0	9,100	1	L. FLG			11.12	11.12 (U)	
PL	2376 x 12.0	9,144	1	WEB	99		43.02	43.02 (A)	
*=	100	9,144	1		99		0.91	1.81 (U)	
*=	-100	9,144	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,374	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,339	6	V. STIF			0.61	3.65 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,220	4	H. STIF			0.34	1.37 (A)	
PL	140 x 12.0	1,215	2	H. STIF			0.34	0.68 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			53.61		0.00		
		C:			5.37		0.00		
		U:			12.93		0.00		

<GIRDER> Block:G5 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 26.0	9,100	1	U. FLG			10.74	5.37 (A)	5.37 (C)
PL	590 x 19.0	9,100	1	L. FLG			11.08	11.08 (U)	
PL	2376 x 12.0	9,149	1	WEB	99		43.04	43.04 (A)	
*=	100	9,149	1		99		0.91	1.81 (U)	
*=	-100	9,149	1		99		-0.91	-1.81 (A)	
PL	240 x 20.0	2,374	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,339	4	V. STIF			0.61	2.43 (A)	
PL	130 x 10.0	2,374	1	V. STIF			0.62	0.62 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,215	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
RB	D 16	600	10	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			54.27		0.00		
		C:			5.37		0.00		
		U:			12.90		0.00		

<GIRDER> Block:G5 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 19.0	7,800	1	U. FLG			9.20	4.60 (A)	4.60 (C)
PL	590 x 23.0	7,800	1	L. FLG			9.56	9.56 (U)	
PL	2382 x 12.0	7,854	1	WEB	99		37.04	37.04 (A)	
*=	100	7,854	1		99		0.78	1.56 (U)	
*=	-100	7,854	1		99		-0.78	-1.56 (A)	
PL	240 x 20.0	2,381	2	V. STIF			1.14	2.29 (A)	
PL	130 x 10.0	2,381	4	V. STIF			0.62	2.48 (A)	
PL	140 x 12.0	350	2	H. STIF			0.10	0.20 (A)	
PL	140 x 12.0	1,215	5	H. STIF			0.34	1.70 (A)	
PL	140 x 12.0	1,220	3	H. STIF			0.34	1.02 (A)	
PL	140 x 12.0	345	1	H. STIF			0.10	0.10 (A)	
RB	D 16	600	8	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		47.87		0.00			
		C:		4.60		0.00			
		U:		11.12		0.00			

<GIRDER> Block:G5 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 31.0	10,575	1	U. FLG			12.48	6.24 (A)	6.24 (C)
PL	750 x 39.0	10,575	1	L. FLG	81		13.52	13.52 (U)	
PL	2371 x 12.0	10,635	1	WEB	99		49.93	49.93 (A)	
*=	100	10,635	1		99		1.05	2.11 (U)	
*=	-100	10,635	1		99		-1.05	-2.11 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	320 x 26.0	2,369	1	V. STIF			1.52	1.52 (A)	
PL	240 x 20.0	2,369	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,369	6	V. STIF			0.62	3.70 (A)	
PL	140 x 12.0	350	1	H. STIF			0.10	0.10 (A)	
PL	140 x 12.0	1,220	2	H. STIF			0.34	0.68 (A)	
PL	140 x 12.0	1,212	1	H. STIF			0.34	0.34 (A)	
PL	140 x 12.0	1,237	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	1,245	2	H. STIF			0.35	0.70 (A)	
PL	140 x 12.0	1,240	1	H. STIF			0.35	0.35 (A)	
PL	140 x 12.0	420	1	H. STIF			0.12	0.12 (A)	
PL	710 x 42.0	710	1	SOLE		Z		0.00 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
PL	320 x 26.0	250	1	RIB	66		0.11	0.11 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color		O. P(m2)		S. P(m2)			
		A:		64.98		0.00			
		C:		6.24		0.00			
		U:		15.62		0.00			

<GIRDER> Block:G5 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 20.0	8,700	1	U. FLG			10.27	5.13 (A)	5.13 (C)
PL	590 x 23.0	8,700	1	L. FLG			10.67	10.67 (U)	
PL	2381 x 12.0	8,765	1	WEB	99		41.32	41.32 (A)	
*=	100	8,765	1		99		0.87	1.74 (U)	
*=	-100	8,765	1		99		-0.87	-1.74 (A)	
PL	240 x 20.0	2,380	1	V. STIF			1.14	1.14 (A)	
PL	130 x 10.0	2,380	5	V. STIF			0.62	3.09 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,370	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,365	4	H. STIF			0.38	1.53 (A)	
RB	D 16	600	9	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			52.38		0.00		
		C:			5.13		0.00		
		U:			12.40		0.00		

<GIRDER> Block:G5 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	590 x 22.0	10,150	1	U. FLG			11.98	5.99 (A)	5.99 (C)
PL	590 x 19.0	10,150	1	L. FLG			12.36	12.36 (U)	
PL	2379 x 12.0	10,222	1	WEB	99		48.15	48.15 (A)	
*=	100	10,222	1		99		1.01	2.02 (U)	
*=	-100	10,222	1		99		-1.01	-2.02 (A)	
PL	240 x 20.0	2,378	2	V. STIF			1.14	2.28 (A)	
PL	130 x 10.0	2,378	1	V. STIF			0.62	0.62 (A)	
PL	130 x 10.0	2,343	4	V. STIF			0.61	2.44 (A)	
PL	140 x 12.0	425	3	H. STIF			0.12	0.36 (A)	
PL	140 x 12.0	1,366	4	H. STIF			0.38	1.53 (A)	
PL	140 x 12.0	1,371	2	H. STIF			0.38	0.77 (A)	
RB	D 16	600	11	S. ANC		Z		0.00 (A)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			60.11		0.00		
		C:			5.99		0.00		
		U:			14.39		0.00		

<GIRDER> Block:G5 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	590 x 22.0	10,075	1	U. FLG			11.89	5.94 (A) 5.94 (C)
*=	-590	3,550	1				-2.09	-2.09 (A)
*=	590	3,550	1				2.09	2.09 (U)
PL	590 x 19.0	10,075	1	L. FLG			12.27	12.27 (U)
PL	2377 x 12.0	10,151	1	WEB	98		47.29	47.29 (A)
*=	2277	3,550	1		98		7.92	15.84 (U)
*=	-2277	3,550	1		98		-7.92	-15.84 (A)
*=	100	10,151	1		98		0.99	1.99 (U)
*=	-100	10,151	1		98		-0.99	-1.99 (A)
PL	240 x 20.0	2,378	1	V. STIF			1.14	1.14 (A)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	280 x 22.0	2,378	1	V. STIF			1.33	1.33 (U)
PL	130 x 10.0	2,343	3	V. STIF			0.61	1.83 (A)
PL	130 x 10.0	2,343	1	V. STIF			0.61	0.61 (U)
PL	140 x 12.0	425	1	H. STIF			0.12	0.12 (A)
PL	140 x 12.0	1,371	3	H. STIF			0.38	1.15 (A)
PL	140 x 12.0	1,371	1	H. STIF			0.38	0.38 (U)
PL	140 x 12.0	1,366	2	H. STIF			0.38	0.76 (A)
PL	140 x 12.0	1,365	1	H. STIF			0.38	0.38 (U)
PL	510 x 40.0	510	1	SOLE		Z		0.00 (A)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
PL	280 x 22.0	250	1	RIB	67		0.09	0.09 (U)
RB	D 16	600	10	S. ANC		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		38.31		0.00		
		C:		5.94		0.00		
		U:		36.61		0.00		

<GIRDER> Block:G5 H ANG 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	100 x 9.0	270	136	HANG			0.05	7.34 (A)
PL	100 x 9.0	120	68	HANG			0.02	1.63 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		8.98		0.00		

<GIRDER> Block:G5 SPL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
TCB	M 22	85	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB	M 22	80	40	L. FLG		J	5.06	0.20 (I)	
PL	2243 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2243	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.40		2.40		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		6.60		
		U:			-0.62		0.62		

<GIRDER> Block:G5 SPL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2244 x 9.0	480	2	W. SPL		D	2.15	2.15 (A)	
*=	2244	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.20		
		J:			0.00		7.39		
		U:			-0.62		0.62		

<GIRDER> Block:G5 SPL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 11.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2245 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2245	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.58		
		U:			-0.69		0.69		

<GIRDER> Block:G5 SPL 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 12.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2246 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2246	480	2			J	1.08	4.31 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.44		2.44		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.59		
		U:			-0.69		0.69		

<GIRDER> Block:G5 SPL 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 8.0	165	2	FILL		J	0.09	0.17 (J)	
TCB M 22		85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2247 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2247	480	2			J	1.08	4.31 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G5 SPL 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 16.0	780	2	UF. SPL		D	0.41	0.41 (A)	
*=	260	780	2			J	0.20	0.81 (J)	
PL	580 x 14.0	780	1	UF. SPL		D	0.90	0.45 (C)	
*=	580	780	1			J	0.45	0.90 (J)	
TCB M 22		95	60	U. FLG		J	5.06	0.05 (E)	0.25 (G)
PL	260 x 14.0	930	2	LF. SPL	73	D	0.35	0.35 (U)	
*=	260	930	2		73	J	0.18	0.71 (J)	
PL	580 x 14.0	930	1	LF. SPL	76	D	0.82	0.41 (U)	
*=	580	930	1		76	J	0.41	0.82 (J)	
PL	580 x 3.2	465	1	FILL	76	J	0.41	0.41 (J)	
TCB M 22		85	48	L. FLG		J	5.06	0.24 (I)	
PL	2248 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2248	480	2			J	1.08	4.32 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color		0. P (m2)		S. P (m2)			
		A:		-2.56		2.56			
		C:		-0.45		0.45			
		E:		0.00		0.75			
		G:		0.00		0.25			
		I:		0.00		0.24			
		J:		0.00		7.97			
		U:		-0.76		0.76			

<GIRDER> Block:G5 SPL 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 16.0	780	2	UF. SPL		D	0.41	0.41 (A)	
*=	260	780	2			J	0.20	0.81 (J)	
PL	580 x 14.0	780	1	UF. SPL		D	0.90	0.45 (C)	
*=	580	780	1			J	0.45	0.90 (J)	
TCB	M 22	95	60	U. FLG		J	5.06	0.05 (E)	0.25 (G)
PL	260 x 14.0	930	2	LF. SPL	73	D	0.35	0.35 (U)	
*=	260	930	2		73	J	0.18	0.71 (J)	
PL	580 x 14.0	930	1	LF. SPL	76	D	0.82	0.41 (U)	
*=	580	930	1		76	J	0.41	0.82 (J)	
PL	580 x 3.2	465	1	FILL	76	J	0.41	0.41 (J)	
TCB	M 22	85	48	L. FLG		J	5.06	0.24 (I)	
PL	2249 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2249	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.56		2.56			
		C:		-0.45		0.45			
		E:		0.00		0.75			
		G:		0.00		0.25			
		I:		0.00		0.24			
		J:		0.00		7.97			
		U:		-0.76		0.76			

<GIRDER> Block:G5 SPL 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 12.0	330	2	UF. SPL		D	0.17	0.17 (A)	
*=	260	330	2			J	0.09	0.34 (J)	
PL	580 x 10.0	330	1	UF. SPL		D	0.38	0.19 (C)	
*=	580	330	1			J	0.19	0.38 (J)	
PL	260 x 8.0	165	2	FILL		J	0.09	0.17 (J)	
TCB	M 22	85	24	U. FLG		J	5.06	0.02 (E)	0.10 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB	M 22	85	40	L. FLG		J	5.06	0.20 (I)	
PL	2250 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2250	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color		O. P (m2)		S. P (m2)			
		A:		-2.33		2.33			
		C:		-0.19		0.19			
		E:		0.00		0.72			
		G:		0.00		0.10			
		I:		0.00		0.20			
		J:		0.00		6.78			
		U:		-0.62		0.62			

<GIRDER> Block:G5 SPL 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 12.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2251 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2251	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.60		
		U:			-0.69		0.69		

<GIRDER> Block:G5 SPL 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 11.0	315	2	FILL	88	J	0.14	0.29 (J)	
TCB	M 22	95	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL		D	0.33	0.33 (U)	
*=	260	630	2			J	0.16	0.66 (J)	
PL	580 x 12.0	630	1	LF. SPL		D	0.73	0.37 (U)	
*=	580	630	1			J	0.37	0.73 (J)	
PL	580 x 16.0	315	1	FILL		J	0.37	0.37 (J)	
TCB	M 22	100	48	L. FLG		J	5.06	0.24 (I)	
PL	2252 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2252	480	2			J	1.08	4.32 (J)	
TCB	M 22	65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.24		
		J:			0.00		7.60		
		U:			-0.69		0.69		

<GIRDER> Block:G5 SPL 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	630	2	UF. SPL	88	D	0.29	0.29 (A)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	UF. SPL	90	D	0.66	0.33 (C)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	260 x 2.3	315	2	FILL	88	J	0.14	0.29 (J)	
TCB M 22		85	40	U. FLG		J	5.06	0.03 (E)	0.17 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
PL	580 x 4.5	315	1	FILL	90	J	0.33	0.33 (J)	
TCB M 22		85	40	L. FLG		J	5.06	0.20 (I)	
PL	2253 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2253	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.45		2.45		
		C:			-0.33		0.33		
		E:			0.00		0.73		
		G:			0.00		0.17		
		I:			0.00		0.20		
		J:			0.00		7.41		
		U:			-0.62		0.62		

<GIRDER> Block:G5 SPL 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	260 x 14.0	480	2	UF. SPL		D	0.25	0.25 (A)	
*=	260	480	2			J	0.12	0.50 (J)	
PL	580 x 12.0	480	1	UF. SPL		D	0.56	0.28 (C)	
*=	580	480	1			J	0.28	0.56 (J)	
TCB M 22		85	36	U. FLG		J	5.06	0.03 (E)	0.15 (G)
PL	260 x 14.0	630	2	LF. SPL	88	D	0.29	0.29 (U)	
*=	260	630	2		88	J	0.14	0.58 (J)	
PL	580 x 12.0	630	1	LF. SPL	90	D	0.66	0.33 (U)	
*=	580	630	1		90	J	0.33	0.66 (J)	
TCB M 22		80	40	L. FLG		J	5.06	0.20 (I)	
PL	2254 x 9.0	480	2	W. SPL		D	2.16	2.16 (A)	
*=	2254	480	2			J	1.08	4.33 (J)	
TCB M 22		65	138	WEB		J	5.06	0.70 (E)	
Total		Color			0. P (m2)		S. P (m2)		
		A:			-2.41		2.41		
		C:			-0.28		0.28		
		E:			0.00		0.73		
		G:			0.00		0.15		
		I:			0.00		0.20		
		J:			0.00		6.62		
		U:			-0.62		0.62		

<GIRDER> Block:G1, G5 JACKUP S1

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 130 x 12.0	2,378	2	JACKUP			0.62	1.24 (U)
PL 150 x 24.0	150	1	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	
	U:			1.24		0.00	
2SE Total	U:			2.47		0.00	
T							

<GIRDER> Block:G2~G4 JACKUP S1

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 130 x 12.0	2,379	2	JACKUP			0.62	1.24 (U)
PL 150 x 24.0	150	1	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	
	U:			1.24		0.00	
3SE Total	U:			3.71		0.00	

<GIRDER> Block:G1, G5 JACKUP S2

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 130 x 12.0	2,378	2	JACKUP			0.62	1.24 (U)
PL 150 x 28.0	150	1	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	
	U:			1.24		0.00	
2SE Total	U:			2.47		0.00	
T							

<GIRDER> Block:G2~G4 JACKUP S2

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 130 x 12.0	2,379	2	JACKUP			0.62	1.24 (U)
PL 150 x 28.0	150	1	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	
	U:			1.24		0.00	
3SE Total	U:			3.71		0.00	

<GIRDER> Block:G1, G5 JACKUP PF12

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 150 x 15.0	2,369	4	JACKUP			0.71	2.84 (A)
PL 200 x 25.0	200	2	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	
	A:			2.84		0.00	
2SE Total	A:			5.69		0.00	

<GIRDER> Block:G3 JACKUP PF12

Form Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL 150 x 15.0	2,379	4	JACKUP			0.71	2.85 (A)
PL 200 x 25.0	200	2	BASEPL		Z		0.00 (A)
Total	Color			0. P (m2)		S. P (m2)	A:
				2.85		0.00	

<GIRDER> Block:G2, G4 JACKUP PF12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 15.0	2,378	4	JACKUP			0.71	2.85 (A)
PL	200 x 25.0	200	1	BASEPL		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		2.85		0.00		
2SET Total		A:		5.71		0.00		

<GIRDER> Block:G1, G5 JACKUP PF13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 15.0	2,369	4	JACKUP			0.71	2.84 (A)
PL	200 x 28.0	200	2	BASEPL		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		2.84		0.00		
2SET Total		A:		5.69		0.00		

<GIRDER> Block:G3 JACKUP PF13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 15.0	2,379	4	JACKUP			0.71	2.85 (A)
PL	200 x 28.0	200	2	BASEPL		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		2.85		0.00		

<GIRDER> Block:G2, G4 JACKUP PF13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 15.0	2,378	4	JACKUP			0.71	2.85 (A)
PL	200 x 28.0	200	1	BASEPL		Z		0.00 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		2.85		0.00		
2SET Total		A:		5.71		0.00		

<CROSSBEAM> Block:ECB 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	250 x 10.0	1,971	1	U. FLG			0.99	0.49 (U)	0.49 (C)
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	2086 x 9.0	2,230	1	WEB	98		9.12	9.12 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
PL	120 x 12.0	2,078	1	V. STIF			0.50	0.50 (U)	
PL	120 x 12.0	2,083	1	V. STIF			0.50	0.50 (U)	
PL	90 x 9.0	520	2	H. STIF			0.09	0.19 (U)	
PL	90 x 9.0	785	1	H. STIF			0.14	0.14 (U)	
TCB	M 22	70	40	GB		J	5.06	0.20 (I)	
PL	250 x 10.0	1,988	1	L. FLG			0.99	0.99 (U)	

Total	Color	O. P (m2)	S. P (m2)
	C:	0.49	0.00
2SET Total	C:	0.99	0.00
	I:	0.00	0.20
2SET Total	I:	0.00	0.40
	J:	0.00	0.63
2SET Total	J:	0.00	1.27
	U:	10.66	0.63
2SET Total	U:	21.33	1.27

<CROSSBEAM> Block:ECB 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	250 x 10.0	1,971	1	U. FLG			0.99	0.49 (U)	0.49 (C)
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	2086 x 9.0	2,230	1	WEB	98		9.12	9.12 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
PL	120 x 12.0	2,078	1	V. STIF			0.50	0.50 (U)	
PL	120 x 12.0	2,083	1	V. STIF			0.50	0.50 (U)	
PL	90 x 9.0	520	2	H. STIF			0.09	0.19 (U)	
PL	90 x 9.0	785	1	H. STIF			0.14	0.14 (U)	
TCB	M 22	70	40	GB		J	5.06	0.20 (I)	
PL	250 x 10.0	1,988	1	L. FLG			0.99	0.99 (U)	

Total	Color	O. P (m2)	S. P (m2)
	C:	0.49	0.00
2SET Total	C:	0.99	0.00
	I:	0.00	0.20
2SET Total	I:	0.00	0.40
	J:	0.00	0.63
2SET Total	J:	0.00	1.27
	U:	10.66	0.63
2SET Total	U:	21.33	1.27

<CROSSBEAM> Block:ECB 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	250 x 10.0	1,971	1	U. FLG			0.99	0.49 (U)	0.49 (C)
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	2086 x 9.0	2,230	1	WEB	98		9.12	9.12 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
PL	120 x 12.0	2,083	1	V. STIF			0.50	0.50 (U)	
PL	120 x 12.0	2,078	1	V. STIF			0.50	0.50 (U)	
PL	90 x 9.0	520	2	H. STIF			0.09	0.19 (U)	
PL	90 x 9.0	785	1	H. STIF			0.14	0.14 (U)	
TCB	M 22	70	40	GB		J	5.06	0.20 (I)	
PL	250 x 10.0	1,988	1	L. FLG			0.99	0.99 (U)	

Total	Color	O. P (m2)	S. P (m2)
	C:	0.49	0.00
2SET Total	C:	0.99	0.00
	I:	0.00	0.20
2SET Total	I:	0.00	0.40
	J:	0.00	0.63
2SET Total	J:	0.00	1.27
	U:	10.66	0.63
2SET Total	U:	21.33	1.27

<CROSSBEAM> Block:ECB 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)	
PL	250 x 10.0	1,971	1	U. FLG			0.99	0.49 (U)	0.49 (C)
RB	D 16	600	2	S. ANC		Z		0.00 (A)	
PL	2086 x 9.0	2,230	1	WEB	98		9.12	9.12 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
*=	80	1,980	2			D	0.16	0.32 (U)	
*=	80	1,980	2			J	0.16	0.32 (J)	
*=	-80	1,980	2				-0.16	-0.32 (U)	
PL	120 x 12.0	2,083	1	V. STIF			0.50	0.50 (U)	
PL	120 x 12.0	2,078	1	V. STIF			0.50	0.50 (U)	
PL	90 x 9.0	520	2	H. STIF			0.09	0.19 (U)	
PL	90 x 9.0	785	1	H. STIF			0.14	0.14 (U)	
TCB	M 22	70	40	GB		J	5.06	0.20 (I)	
PL	250 x 10.0	1,988	1	L. FLG			0.99	0.99 (U)	

Total	Color	O. P (m2)	S. P (m2)
	C:	0.49	0.00
2SET Total	C:	0.99	0.00
	I:	0.00	0.20
2SET Total	I:	0.00	0.40
	J:	0.00	0.63
2SET Total	J:	0.00	1.27
	U:	10.66	0.63
2SET Total	U:	21.33	1.27

<CROSSBEAM> Block:CB 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	-250	380	4				-0.09	-0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	241	155	4			D	0.04	0.15 (A)
*=	-241	155	4				-0.04	-0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	270	155	4			D	0.04	0.17 (A)
*=	-270	155	4				-0.04	-0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
		E:		0.00		0.40		
		J:		0.00		1.27		

<CROSSBEAM> Block:CB 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	-250	380	4				-0.09	-0.38 (A)
*=	241	155	4			D	0.04	0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	-241	155	4				-0.04	-0.15 (A)
*=	270	155	4			D	0.04	0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
*=	-270	155	4				-0.04	-0.17 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
2SET Total		A:		21.53		2.53		
		E:		0.00		0.40		
2SET Total		E:		0.00		0.81		
		J:		0.00		1.27		
2SET Total		J:		0.00		2.53		

<CROSSBEAM> Block:CB 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	-250	380	4				-0.09	-0.38 (A)
*=	241	155	4			D	0.04	0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	-241	155	4				-0.04	-0.15 (A)
*=	270	155	4			D	0.04	0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
*=	-270	155	4				-0.04	-0.17 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
		E:		0.00		0.40		
		J:		0.00		1.27		

<CROSSBEAM> Block:CB 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	-250	380	4				-0.09	-0.38 (A)
*=	241	155	4			D	0.04	0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	-241	155	4				-0.04	-0.15 (A)
*=	270	155	4			D	0.04	0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
*=	-270	155	4				-0.04	-0.17 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
		E:		0.00		0.40		
		J:		0.00		1.27		

<CROSSBEAM> Block:CB 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
2SET Total		A:		20.95		3.93		
		E:		0.00		0.63		
2SET Total		E:		0.00		1.25		
		J:		0.00		1.96		
2SET Total		J:		0.00		3.93		

<CROSSBEAM> Block:CB 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
2SET Total		A:		20.95		3.93		
		E:		0.00		0.63		
2SET Total		E:		0.00		1.25		
		J:		0.00		1.96		
2SET Total		J:		0.00		3.93		

<CROSSBEAM> Block:CB 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,070	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,070	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	44	CONN		J	5.06	0.22 (E)
PL	570 x 16.0	555	2	CONN-S	87		0.55	1.10 (A)
*=	250	380	8			D	0.09	0.76 (A)
*=	250	380	8			J	0.09	0.76 (J)
*=	-250	380	8				-0.09	-0.76 (A)
*=	241	155	8			D	0.04	0.30 (A)
*=	241	155	8			J	0.04	0.30 (J)
*=	-241	155	8				-0.04	-0.30 (A)
*=	270	155	8			D	0.04	0.33 (A)
*=	270	155	8			J	0.04	0.33 (J)
*=	-270	155	8				-0.04	-0.33 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.47		1.96		
		E:		0.00		0.63		
		J:		0.00		1.96		

<CROSSBEAM> Block:CB 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	230	4			D	0.06	0.23 (A)
*=	250	230	4			J	0.06	0.23 (J)
*=	-250	230	4				-0.06	-0.23 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	-250	380	4				-0.09	-0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	241	155	4			D	0.04	0.15 (A)
*=	-241	155	4				-0.04	-0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	270	155	4			D	0.04	0.17 (A)
*=	-270	155	4				-0.04	-0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.31		1.50		
		E:		0.00		0.40		
		J:		0.00		1.50		

<CROSSBEAM> Block:CB 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	-250	380	4				-0.09	-0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	241	155	4			D	0.04	0.15 (A)
*=	-241	155	4				-0.04	-0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	270	155	4			D	0.04	0.17 (A)
*=	-270	155	4				-0.04	-0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
2SET Total		A:		21.53		2.53		
		E:		0.00		0.40		
2SET Total		E:		0.00		0.81		
		J:		0.00		1.27		
2SET Total		J:		0.00		2.53		

<CROSSBEAM> Block:CB 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	-250	380	4				-0.09	-0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	241	155	4			D	0.04	0.15 (A)
*=	-241	155	4				-0.04	-0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	270	155	4			D	0.04	0.17 (A)
*=	-270	155	4				-0.04	-0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
		E:		0.00		0.40		
		J:		0.00		1.27		

<CROSSBEAM> Block:CB 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	2,069	1	U. FLG			1.08	1.08 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
PL	1880 x 9.0	2,306	1	WEB	98		8.50	8.50 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	561	4	H. STIF			0.10	0.40 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	65	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	2,069	1	L. FLG			1.03	1.03 (A)
TCB	M 22	60	22	CONN		J	5.06	0.11 (E)
PL	570 x 16.0	555	1	CONN-S	87		0.55	0.55 (A)
*=	250	380	4			D	0.09	0.38 (A)
*=	-250	380	4				-0.09	-0.38 (A)
*=	250	380	4			J	0.09	0.38 (J)
*=	241	155	4			D	0.04	0.15 (A)
*=	-241	155	4				-0.04	-0.15 (A)
*=	241	155	4			J	0.04	0.15 (J)
*=	270	155	4			D	0.04	0.17 (A)
*=	-270	155	4				-0.04	-0.17 (A)
*=	270	155	4			J	0.04	0.17 (J)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.77		1.27		
		E:		0.00		0.40		
		J:		0.00		1.27		

<CROSSBEAM> Block:CB 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	1,908	1	U. FLG			0.99	0.99 (A)
PL	1880 x 9.0	2,146	1	WEB	98		7.91	7.91 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	481	4	H. STIF			0.09	0.35 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	70	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	1,908	1	L. FLG			0.95	0.95 (A)
Total		Color		O. P (m2)		S. P (m2)		
		A:		10.25		0.57		
2SET Total		A:		20.49		1.14		
		E:		0.00		0.18		
2SET Total		E:		0.00		0.36		
		J:		0.00		0.57		
2SET Total		J:		0.00		1.14		

<CROSSBEAM> Block:CB 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	1,908	1	U. FLG			0.99	0.99 (A)
PL	1880 x 9.0	2,146	1	WEB	98		7.91	7.91 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	481	4	H. STIF			0.09	0.35 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	70	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	1,908	1	L. FLG			0.95	0.95 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		10.25		0.57		
2SET Total		A:		20.49		1.14		
		E:		0.00		0.18		
2SET Total		E:		0.00		0.36		
		J:		0.00		0.57		
2SET Total		J:		0.00		1.14		

<CROSSBEAM> Block:CB 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	250 x 10.0	1,908	1	U. FLG			0.99	0.99 (A)
PL	1880 x 9.0	2,146	1	WEB	98		7.91	7.91 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	481	4	H. STIF			0.09	0.35 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	70	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	1,908	1	L. FLG			0.95	0.95 (A)
Total		Color		0. P (m2)		S. P (m2)		
		A:		10.25		0.57		
2SET Total		A:		20.49		1.14		
		E:		0.00		0.18		
2SET Total		E:		0.00		0.36		
		J:		0.00		0.57		
2SET Total		J:		0.00		1.14		

<CROSSBEAM> Block:CB 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
PL	250 x 10.0	1,908	1	U. FLG			0.99	0.99 (A)
PL	1880 x 9.0	2,146	1	WEB	98		7.91	7.91 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
*=	80	1,780	2			D	0.14	0.28 (A)
*=	80	1,780	2			J	0.14	0.28 (J)
*=	-80	1,780	2				-0.14	-0.28 (A)
PL	120 x 10.0	1,880	2	V. STIF			0.45	0.90 (A)
PL	90 x 9.0	481	4	H. STIF			0.09	0.35 (A)
PL	90 x 9.0	787	2	H. STIF			0.14	0.28 (A)
TCB	M 22	70	36	GB		J	5.06	0.18 (E)
PL	250 x 10.0	1,908	1	L. FLG			0.95	0.95 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			10.25		0.57	
2SET Total		A:			20.49		1.14	
		E:			0.00		0.18	
2SET Total		E:			0.00		0.36	
		J:			0.00		0.57	
2SET Total		J:			0.00		1.14	

<SWAY BRACING> Block:IS 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB	M 22	65	10	GB		J	5.06	0.05 (E)
TCB	M 22	65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
3SET Total		A:			9.10		0.69	
		E:			0.00		0.08	
3SET Total		E:			0.00		0.24	
		J:			0.00		0.23	
3SET Total		J:			0.00		0.69	

<SWAY BRACING> Block:IS 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	300 x 9.0	290	1	GUSS	71		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	300 x 9.0	290	1	GUSS	71		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 4

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 5

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 6

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
3SET Total		A:			9.10		0.69	
		E:			0.00		0.08	
3SET Total		E:			0.00		0.24	
		J:			0.00		0.23	
3SET Total		J:			0.00		0.69	

<SWAY BRACING> Block:IS 7

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 8

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	300 x 9.0	290	1	GUSS	71		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 9

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	300 x 9.0	290	1	GUSS	71		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 10

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 11

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
3SET Total		A:		9.10		0.69		
		E:		0.00		0.08		
3SET Total		E:		0.00		0.24		
		J:		0.00		0.23		
3SET Total		J:		0.00		0.69		

<SWAY BRACING> Block:IS 12

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
2SET Total		A:			6.07		0.46	
		E:			0.00		0.08	
2SET Total		E:			0.00		0.16	
		J:			0.00		0.23	
2SET Total		J:			0.00		0.46	

<SWAY BRACING> Block:IS 13

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
2SET Total		A:			6.07		0.46	
		E:			0.00		0.08	
2SET Total		E:			0.00		0.16	
		J:			0.00		0.23	
2SET Total		J:			0.00		0.46	

<SWAY BRACING> Block:IS 14

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
4SET Total		A:			12.14		0.92	
		E:			0.00		0.08	
4SET Total		E:			0.00		0.32	
		J:			0.00		0.23	
4SET Total		J:			0.00		0.92	

<SWAY BRACING> Block:IS 15

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 16

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 17

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 18

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
4SET Total		A:			12.14		0.92	
		E:			0.00		0.08	
4SET Total		E:			0.00		0.32	
		J:			0.00		0.23	
4SET Total		J:			0.00		0.92	

<SWAY BRACING> Block:IS 19

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
6SET Total		A:			18.20		1.38	
		E:			0.00		0.08	
6SET Total		E:			0.00		0.49	
		J:			0.00		0.23	
6SET Total		J:			0.00		1.38	

<SWAY BRACING> Block:IS 20

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
2SET Total		A:			6.07		0.46	
		E:			0.00		0.08	
2SET Total		E:			0.00		0.16	
		J:			0.00		0.23	
2SET Total		J:			0.00		0.46	

<SWAY BRACING> Block:IS 21

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 22

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 23

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	400 x 9.0	445	1	GUSS	86		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
3SET Total		A:			9.10		0.69	
		E:			0.00		0.08	
3SET Total		E:			0.00		0.24	
		J:			0.00		0.23	
3SET Total		J:			0.00		0.69	

<SWAY BRACING> Block:IS 24

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	400 x 9.0	445	1	GUSS	86		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
2SET Total		A:			6.07		0.46	
		E:			0.00		0.08	
2SET Total		E:			0.00		0.16	
		J:			0.00		0.23	
2SET Total		J:			0.00		0.46	

<SWAY BRACING> Block:IS 25

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 26

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	400 x 9.0	445	1	GUSS	86		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 27

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	400 x 9.0	445	1	GUSS	86		0.31	0.21 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
2SET Total		A:		6.07		0.46		
		E:		0.00		0.08		
2SET Total		E:		0.00		0.16		
		J:		0.00		0.23		
2SET Total		J:		0.00		0.46		

<SWAY BRACING> Block:IS 28

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	400 x 9.0	450	1	GUSS	87		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 29

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	400 x 9.0	445	1	GUSS	86		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color		O. P(m2)		S. P(m2)		
		A:		3.03		0.23		
		E:		0.00		0.08		
		J:		0.00		0.23		

<SWAY BRACING> Block:IS 30

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 31

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	300 x 9.0	285	1	GUSS	72		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M 22		65	10	GB		J	5.06	0.05 (E)
TCB M 22		65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<SWAY BRACING> Block:IS 32

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area(P system)
L	90 x 90 x 10.0	2,071	1	U. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	2,071	1	L. CHOD			0.72	0.72 (A)
L	90 x 90 x 10.0	1,855	1	BRACE			0.65	0.65 (A)
L	90 x 90 x 10.0	1,820	1	BRACE			0.64	0.64 (A)
PL	405 x 9.0	445	1	GUSS	85		0.31	0.21 (A)
PL	405 x 9.0	450	1	GUSS	86		0.31	0.22 (A)
*=	80	440	4			D	0.04	0.14 (A)
*=	80	440	4			J	0.04	0.14 (J)
*=	-80	440	4				-0.04	-0.14 (A)
PL	305 x 9.0	290	1	GUSS	70		0.12	0.10 (A)
PL	305 x 9.0	285	1	GUSS	71		0.12	0.09 (A)
*=	80	280	4			D	0.02	0.09 (A)
*=	80	280	4			J	0.02	0.09 (J)
*=	-80	280	4				-0.02	-0.09 (A)
PL	410 x 9.0	355	1	GUSS	97		0.28	0.15 (A)
TCB M	22	65	10	GB		J	5.06	0.05 (E)
TCB M	22	65	6	GB		J	5.06	0.03 (E)
Total		Color			0. P (m2)		S. P (m2)	
		A:			3.03		0.23	
		E:			0.00		0.08	
		J:			0.00		0.23	

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
CT	118x178x10.0x 8.0	3,460	1				2.01	2.01 (U)
CT	118x178x10.0x 8.0	3,520	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,525	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,495	1				2.03	2.03 (A)
CT	118x178x10.0x 8.0	3,525	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,450	1				2.00	2.00 (A)
PL	150 x 16.0	3,360	1				1.01	1.01 (A)
PL	200 x 16.0	3,390	1				1.46	1.46 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,165	1				0.95	0.95 (A)
PL	200 x 16.0	3,195	1				1.38	1.38 (A)
PL	150 x 16.0	3,165	1				0.95	0.95 (A)
PL	200 x 16.0	3,195	1				1.38	1.38 (A)
CT	118x178x10.0x 8.0	3,425	1				1.99	1.99 (U)
CT	118x178x10.0x 8.0	2,300	1				1.34	1.34 (A)
PL	150 x 16.0	3,070	1				0.92	0.92 (A)
PL	200 x 16.0	3,100	1				1.34	1.34 (A)
PL	150 x 16.0	2,345	1				0.70	0.70 (A)
PL	200 x 16.0	2,375	1				1.03	1.03 (A)
PL	575 x 9.0	455	1	GUSS	80		0.42	0.42 (U)
*=	-178	155	2				-0.03	-0.06 (U)
*=	178	155	2			D	0.03	0.06 (U)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	640 x 9.0	415	1	GUSS	76		0.40	0.40 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	650 x 9.0	415	1	GUSS	77		0.42	0.42 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	780 x 9.0	415	1	GUSS	87		0.56	0.56 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	895 x 9.0	415	1	GUSS	94		0.70	0.70 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	920 x 9.0	460	1	GUSS	90		0.76	0.76 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	171	2				-0.02	-0.03 (A)
*=	90	171	2			D	0.02	0.03 (A)
*=	90	171	2			J	0.02	0.03 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	940 x 9.0	495	1	GUSS	92		0.86	0.86 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	605 x 9.0	280	1	GUSS	93		0.32	0.32 (A)

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	525 x 9.0	390	1	GUSS	80		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	630 x 9.0	290	1	GUSS	91		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	455	1	GUSS	78		0.28	0.28 (U)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	630 x 9.0	290	1	GUSS	91		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	455	1	GUSS			0.36	0.36 (U)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	665 x 9.0	310	1	GUSS	90		0.37	0.37 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	665 x 9.0	310	1	GUSS	90		0.37	0.37 (A)
*=	-200	155	2				-0.03	-0.06 (A)

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	735 x 9.0	360	1	GUSS	92		0.49	0.49 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	675 x 9.0	465	1	GUSS	81		0.51	0.51 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	400 x 9.0	495	1	GUSS	81		0.32	0.32 (A)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	495	1	GUSS			0.40	0.40 (A)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	210	1	GUSS			0.17	0.17 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	575 x 9.0	455	1	GUSS			0.52	0.52 (U)
*=	-178	155	2				-0.03	-0.06 (U)
*=	178	155	2			D	0.03	0.06 (U)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	400 x 9.0	285	1	GUSS			0.23	0.23 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	905 x 9.0	495	1	GUSS	90		0.81	0.81 (A)
*=	-200	230	2				-0.05	-0.09 (A)

<LATERAL> Block:LL 1

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
Total		Color		O. P (m2)		S. P (m2)		
		A:		33.23		2.69		
		E:		0.00		0.89		
		I:		0.00		0.12		
		J:		0.00		3.11		
		U:		4.75		0.42		

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,225	1				0.97	0.97 (A)
PL	200 x 16.0	3,255	1				1.41	1.41 (A)
CT	118x178x10.0x 8.0	3,335	1				1.94	1.94 (A)
CT	118x178x10.0x 8.0	3,230	1				1.88	1.88 (A)
CT	118x178x10.0x 8.0	3,190	1				1.85	1.85 (A)
CT	118x178x10.0x 8.0	3,230	1				1.88	1.88 (A)
CT	118x178x10.0x 8.0	3,230	1				1.88	1.88 (A)
CT	118x178x10.0x 8.0	3,190	1				1.85	1.85 (A)
CT	118x178x10.0x 8.0	3,230	1				1.88	1.88 (A)
CT	118x178x10.0x 8.0	3,335	1				1.94	1.94 (A)
PL	150 x 16.0	3,225	1				0.97	0.97 (A)
PL	200 x 16.0	3,255	1				1.41	1.41 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	3,135	1				0.94	0.94 (A)
PL	200 x 16.0	3,165	1				1.37	1.37 (A)
PL	150 x 16.0	2,985	1				0.90	0.90 (A)
PL	200 x 16.0	3,015	1				1.30	1.30 (A)
PL	150 x 16.0	2,345	1				0.70	0.70 (A)
PL	200 x 16.0	2,375	1				1.03	1.03 (A)
PL	150 x 16.0	2,985	1				0.90	0.90 (A)
PL	200 x 16.0	3,015	1				1.30	1.30 (A)
PL	150 x 16.0	2,345	1				0.70	0.70 (A)
PL	200 x 16.0	2,375	1				1.03	1.03 (A)
PL	885 x 9.0	465	1	GUSS	89		0.73	0.73 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-90	178	2				-0.02	-0.03 (A)
*=	90	178	2			D	0.02	0.03 (A)
*=	90	178	2			J	0.02	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	835 x 9.0	415	1	GUSS	93		0.64	0.64 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
TCB M 22		55	2	LB		J	5.06	0.01 (E)
PL 650 x	9.0	415	1	GUSS	78		0.42	0.42 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	2	LB		J	5.06	0.01 (E)
PL 770 x	9.0	415	1	GUSS	90		0.58	0.58 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
PL 770 x	9.0	415	1	GUSS	90		0.58	0.58 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
PL 770 x	9.0	415	1	GUSS	90		0.58	0.58 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	650 x 9.0	415	1	GUSS	78		0.42	0.42 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	835 x 9.0	415	1	GUSS	93		0.64	0.64 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	885 x 9.0	465	1	GUSS	89		0.73	0.73 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	178	2				-0.02	-0.03 (A)
*=	90	178	2			D	0.02	0.03 (A)
*=	90	178	2			J	0.02	0.03 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	940 x 9.0	495	1	GUSS	92		0.86	0.86 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	725 x 9.0	355	1	GUSS	92		0.47	0.47 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	670 x 9.0	465	1	GUSS	81		0.50	0.50 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	620 x 9.0	305	1	GUSS	89		0.34	0.34 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	620 x 9.0	305	1	GUSS	89		0.34	0.34 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	590 x 9.0	290	1	GUSS	91		0.31	0.31 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	590 x 9.0	290	1	GUSS	91		0.31	0.31 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	590 x 9.0	290	1	GUSS	91		0.31	0.31 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
PL	590 x 9.0	290	1	GUSS	91		0.31	0.31 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
TCB M 22		55	4	LB		J	5.06	0.02 (E)
PL	620 x 9.0	305	1	GUSS	89		0.34	0.34 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
PL	620 x 9.0	305	1	GUSS	89		0.34	0.34 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
TCB M 22		60	4	LB		J	5.06	0.02 (E)
PL	725 x 9.0	355	1	GUSS	92		0.47	0.47 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB M 22		60	6	LB		J	5.06	0.03 (E)
TCB M 22		60	6	LB		J	5.06	0.03 (E)
PL	670 x 9.0	465	1	GUSS	81		0.50	0.50 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB M 22		60	6	LB		J	5.06	0.03 (E)
TCB M 22		60	6	LB		J	5.06	0.03 (E)
PL	400 x 9.0	495	1	GUSS	81		0.32	0.32 (A)
*=	-250	155	2				-0.04	-0.08 (A)

<LATERAL> Block:LL 2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	495	1	GUSS			0.40	0.40 (A)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	285	1	GUSS			0.23	0.23 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	400 x 9.0	285	1	GUSS			0.23	0.23 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	905 x 9.0	495	1	GUSS	90		0.81	0.81 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)
*=	250	155	2			J	0.04	0.08 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
Tota		Color		0. P (m2)		S. P (m2)		
		A:		55.35		4.07		
		E:		0.00		1.33		
		J:		0.00		4.07		

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	150 x 16.0	3,165	1				0.95	0.95 (A)
PL	200 x 16.0	3,195	1				1.38	1.38 (A)
PL	150 x 16.0	3,165	1				0.95	0.95 (A)
PL	200 x 16.0	3,195	1				1.38	1.38 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,310	1				0.99	0.99 (A)
PL	200 x 16.0	3,340	1				1.44	1.44 (A)
PL	150 x 16.0	3,360	1				1.01	1.01 (A)
PL	200 x 16.0	3,390	1				1.46	1.46 (A)
CT	118x178x10.0x 8.0	3,450	1				2.00	2.00 (A)
CT	118x178x10.0x 8.0	3,525	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,495	1				2.03	2.03 (A)
CT	118x178x10.0x 8.0	3,525	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,520	1				2.05	2.05 (A)
CT	118x178x10.0x 8.0	3,460	1				2.01	2.01 (U)
PL	150 x 16.0	3,070	1				0.92	0.92 (A)
PL	200 x 16.0	3,100	1				1.34	1.34 (A)
PL	150 x 16.0	2,345	1				0.70	0.70 (A)
PL	200 x 16.0	2,375	1				1.03	1.03 (A)
CT	118x178x10.0x 8.0	3,425	1				1.99	1.99 (U)
CT	118x178x10.0x 8.0	2,300	1				1.34	1.34 (A)
PL	920 x 9.0	460	1	GUSS	90		0.76	0.76 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-90	171	2				-0.02	-0.03 (A)
*=	90	171	2			D	0.02	0.03 (A)
*=	90	171	2			J	0.02	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	895 x 9.0	415	1	GUSS	94		0.70	0.70 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	780 x 9.0	415	1	GUSS	87		0.56	0.56 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (A)
*=	250	155	2			D	0.04	0.08 (A)

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	250	155	2			J	0.04	0.08 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	650 x 9.0	415	1	GUSS	77		0.42	0.42 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	640 x 9.0	415	1	GUSS	76		0.40	0.40 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-90	155	2				-0.01	-0.03 (A)
*=	90	155	2			D	0.01	0.03 (A)
*=	90	155	2			J	0.01	0.03 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	2	LB		J	5.06	0.01 (E)
PL	575 x 9.0	455	1	GUSS			0.52	0.52 (U)
*=	-178	155	2				-0.03	-0.06 (U)
*=	178	155	2			D	0.03	0.06 (U)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	735 x 9.0	360	1	GUSS	92		0.49	0.49 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	675 x 9.0	465	1	GUSS	81		0.51	0.51 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
*=	-200	230	2				-0.05	-0.09 (A)

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	665 x 9.0	310	1	GUSS	90		0.37	0.37 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	665 x 9.0	310	1	GUSS	90		0.37	0.37 (A)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
*=	-200	155	2				-0.03	-0.06 (A)
*=	200	155	2			D	0.03	0.06 (A)
*=	200	155	2			J	0.03	0.06 (J)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
TCB	M 22	60	4	LB		J	5.06	0.02 (E)
PL	630 x 9.0	290	1	GUSS	91		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	630 x 9.0	290	1	GUSS	91		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	605 x 9.0	280	1	GUSS	93		0.32	0.32 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	525 x 9.0	390	1	GUSS	80		0.33	0.33 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)

<LATERAL> Block:LL 3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	400 x 9.0	455	1	GUSS	78		0.28	0.28 (U)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	400 x 9.0	455	1	GUSS			0.36	0.36 (U)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
PL	400 x 9.0	285	1	GUSS			0.23	0.23 (A)
*=	-200	230	2				-0.05	-0.09 (A)
*=	200	230	2			D	0.05	0.09 (A)
*=	200	230	2			J	0.05	0.09 (J)
TCB	M 22	60	6	LB		J	5.06	0.03 (E)
PL	400 x 9.0	210	1	GUSS			0.17	0.17 (A)
*=	-178	155	2				-0.03	-0.06 (A)
*=	178	155	2			D	0.03	0.06 (A)
*=	178	155	2			J	0.03	0.06 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (E)
PL	575 x 9.0	455	1	GUSS	80		0.42	0.42 (U)
*=	-178	155	2				-0.03	-0.06 (U)
*=	178	155	2			D	0.03	0.06 (U)
*=	178	155	2			J	0.03	0.06 (J)
*=	-250	155	2				-0.04	-0.08 (U)
*=	250	155	2			D	0.04	0.08 (U)
*=	250	155	2			J	0.04	0.08 (J)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
TCB	M 22	55	4	LB		J	5.06	0.02 (I)
Tota		Color		0. P (m2)		S. P (m2)		
		A:		32.20		2.01		
		E:		0.00		0.69		
		I:		0.00		0.12		
		J:		0.00		2.43		
		U:		4.75		0.42		

<DRAINAGE> Block: SUPPOT B2

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	120 x 8.0	140	1				0.03	0.03 (A)
FB	100 x 6.0	452	1			Z		0.00 (A)
PL	100 x 6.0	777	1			Z		0.00 (A)
PL	158 x 6.0	655	1			Z		0.00 (A)
B. N	M 12	40	8			Z		0.00 (A)
W	M 12		16			Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			0.03		0.00	
108SETTotal		A:			3.63		0.00	

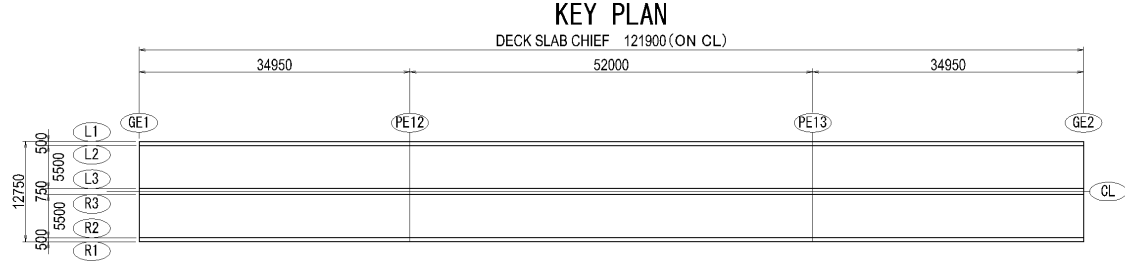
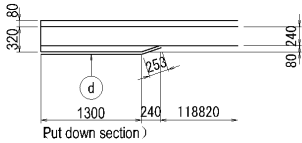
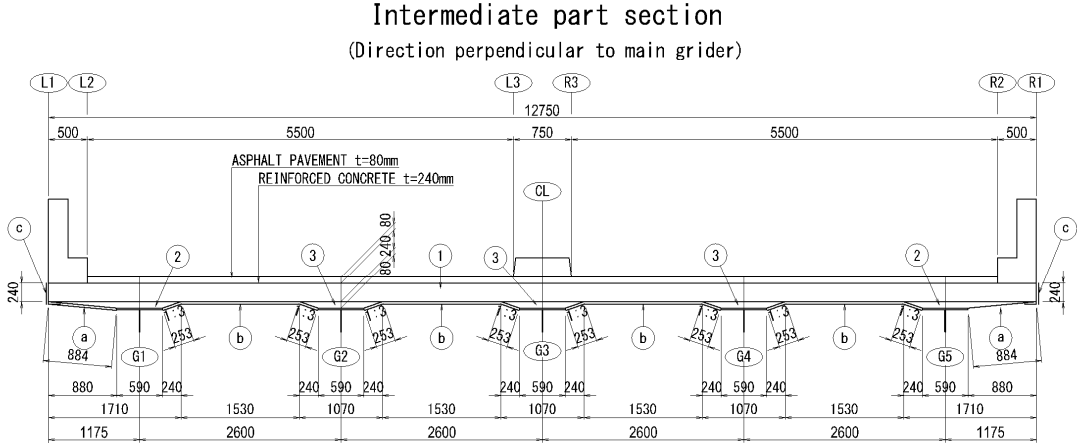
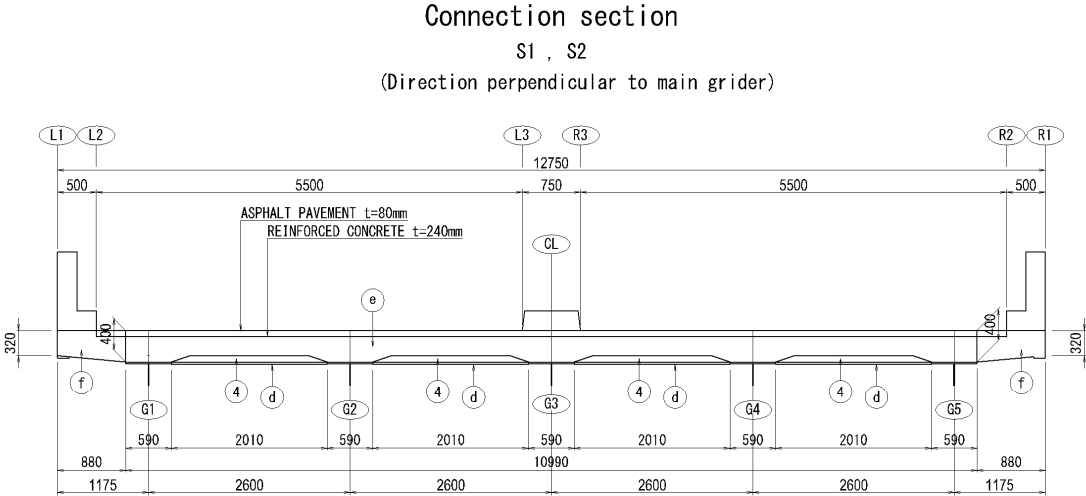
<DRAINAGE> Block: SUPPOT S3

Form	Size (mm)	Lg	Nb	Mtas. I	NET	P. Nt	S. Area	P. Area (P system)
PL	100 x 8.0	140	1				0.03	0.03 (A)
FB	100 x 6.0	446	2			Z		0.00 (A)
FB	100 x 6.0	376	1			Z		0.00 (A)
B. N	M 12	40	4			Z		0.00 (A)
W	M 12		8			Z		0.00 (A)
B. N	M 12	45	4			Z		0.00 (A)
W	M 12		8			Z		0.00 (A)
Total		Color			0. P (m2)		S. P (m2)	
		A:			0.03		0.00	
6SE Total		A:			0.17		0.00	

4. Floor Slab

4.1 Quantity of floor Slab

(1) General shape (Slab)



(2) The concrete volu (24N/mm2)

①	12.750	x	0.240	x	121.900					=	373.014	m ³
②	(0.590	+	1.710	) x	1/2	x	0.080	x	121.900	x	2	= 22.430 m ³
③	(0.590	+	1.070	) x	1/2	x	0.080	x	121.900	x	3	= 24.282 m ³
④	(1.530	+	2.010	) x	1/2	x	0.080					
				x (1.300	+	0.240	x	1/2	) x	4	= 0.804 m ³	
										Σ	= 420.530	m ³
Total concrete volumes											=	420.530 m ³

(3) Form area

a	0.884	x	121.900	x	2					=	215.519	m ²
b	(0.253	x	2	+	1.530	) x	118.820	x	4	=	967.670	m ²
c	0.240	x	121.900	x	2					=	58.512	m ²
d	(1.300	+	0.253	) x	2.010	x	4			=	12.486	m ²
e	0.400	x	10.990	x	2					=	8.792	m ²
f	(0.320	+	0.400	) x	1/2	x	0.880	x	4	=	1.267	m ²
										Σ	= 1264.247	m ²
Total Form areas											=	1264.247 m ²

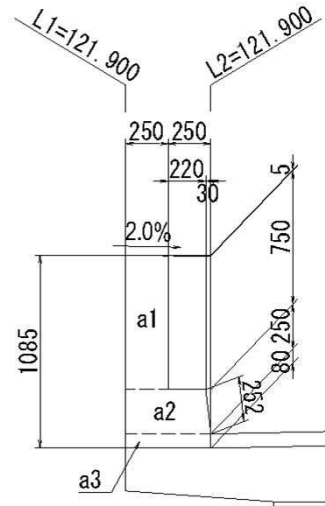
(4) Reinforcement bar

D22	(SD345)	1,970	kg
D19	(SD345)	67,568	kg
D16	(SD345)	15,664	kg
D13	(SD345)	3,807	kg
合計		= 89,009	kg

(5) Asphalt pavement

Roadway	t=80mm											
	Surface layer t=40mm											
	Leveling layer t=40mm											
	5.500	x	121.900	x	2					=	1340.900	m ²

- Left barrier :



- Calculation of the cross section

a1	=	0.1881 m ²
a2	=	0.1213 "
a3	=	0.0400 "
Σ a	=	0.3494 m ²

- Calculation of the perimeter

$$l_1 = 2.167 \text{ m}$$

- Calculation of the mean distance of the fellow guard

$$\begin{aligned} L1 &= 1 / 2 \times (L1 + L2) \\ &= 121.900 \text{ m} \end{aligned}$$

1-1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

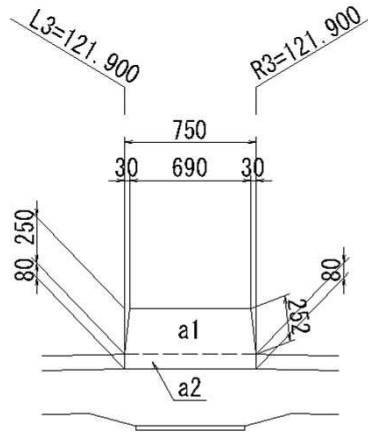
$$V1 = \Sigma a \times L1 = 0.3494 \times 121.900 = 42.592 \text{ m}^3$$

1-2) Molding box area

$$A1 = \iota 1 \times L1 + \Sigma a \times (1 / \sin \theta 1) + \Sigma a \times (1 / \sin \theta 2)$$

$$= 2.167 \times 121.900 + 0.3494 \times 1.000000 + 0.3494 \times 1.000000 = 264.856 \text{ m}^2$$

• Curb (Median)



• Calculation of the cross section

$$\begin{array}{rcl} a1 & = & 0.1800 \text{ m}^2 \\ a2 & = & 0.0600 \text{ m}^2 \\ \hline \Sigma a & = & 0.2400 \text{ m}^2 \end{array}$$

• Calculation of the perimeter

$$\iota 1 = 0.664 \text{ m}$$

• Calculation of the mean distance of the felloe guard

$$\begin{aligned} Lr &= 1 / 2 \times (L3 + R3) \\ &= 121.900 \text{ m} \end{aligned}$$

$$\begin{aligned} \text{Angle of starting point} \quad \theta 1 &= 90.000000 \text{ degree} \\ \text{Angle of ending point} \quad \theta 2 &= 90.000000 \text{ degree} \end{aligned}$$

3-1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

$$V3 = \Sigma a \times Lr = 0.2400 \times 121.900 = 29.256 \text{ m}^3$$

3-2) Molding box area

$$\begin{aligned} A3 &= \iota 2 \times Lr + \Sigma a \times (1 / \sin \theta 1) + \Sigma a \times (1 / \sin \theta 2) \\ &= 0.664 \times 121.900 + 0.2400 \times 1.000000 + 0.2400 \\ &\quad \times 1.000000 = 81.422 \text{ m}^2 \end{aligned}$$

4-1) Total concrete volumes ($\sigma_{ck} = 24 \text{ N/mm}^2$)

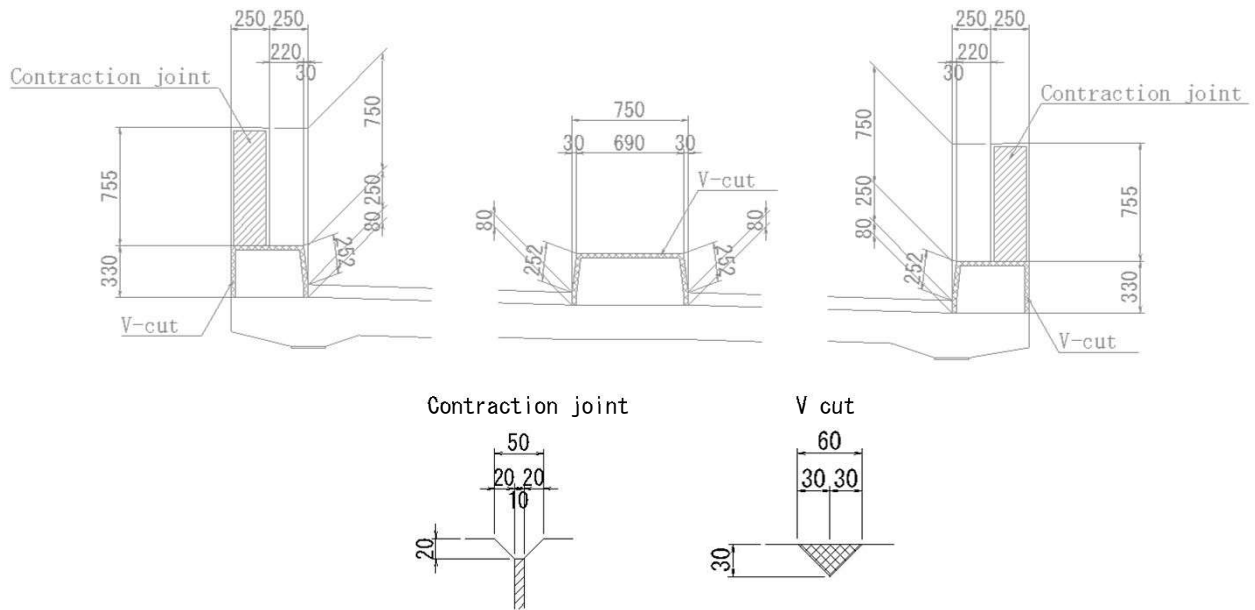
$$\begin{aligned} \Sigma V &= V1 + V2 + V3 \\ &= 42.592 + 42.592 + 29.256 = 114.440 \text{ m}^3 \end{aligned}$$

4-2) Total Form areas

$$\begin{aligned} \Sigma A &= A1 + A2 + A3 \\ &= 264.856 + 264.856 + 81.422 = 611.134 \text{ m}^2 \end{aligned}$$

4-3) Joint

Left barrier: 13 position Median : 13 position Right barrier: 13 position



1) Contraction joint (t= 10 mm)

$$\begin{aligned}
 LA &= 1/2 \times (0.730 + 0.735) \times 0.210 \times 13 = 1.9997 \text{ m}^2 \\
 RA &= 1/2 \times (0.730 + 0.735) \times 0.210 \times 13 = 1.9997 \text{ m}^2 \\
 \Sigma A &= 1.9997 + 1.9997 = 3.9994 \text{ m}^2
 \end{aligned}$$

2) V cut

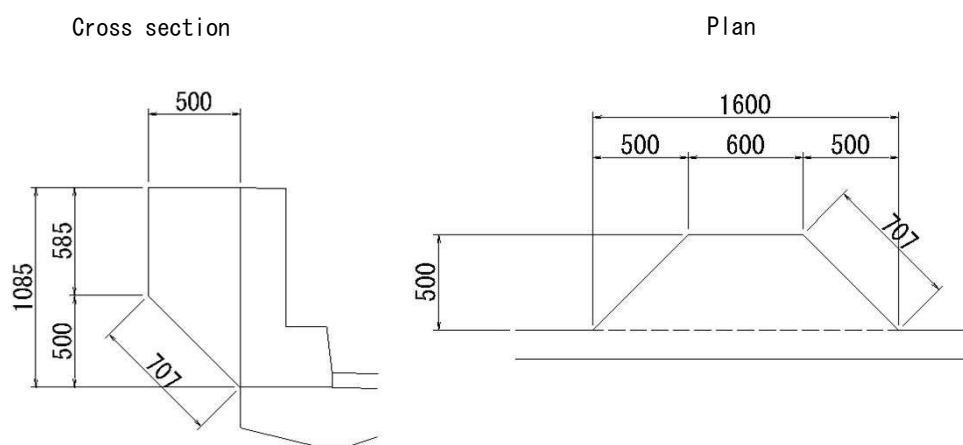
$$\begin{aligned}
 A &= 1/2 \times 0.030 \times 0.060 = 0.0009 \text{ m}^2 \\
 L1 &= (0.330 + 0.410 + 0.252 + 0.080) \times 13 = 13.936 \text{ m} \\
 L2 &= (0.080 + 0.252 \times 2 + 0.630 + 0.080) \times 13 = 16.822 \text{ m} \\
 L3 &= (0.330 + 0.410 + 0.252 + 0.080) \times 13 = 13.936 \text{ m} \\
 \Sigma L &= 13.936 + 16.822 + 13.936 = 44.694 \text{ m} \\
 V &= 0.0009 \times 44.694 \times 1000 = 40.225 \text{ l}
 \end{aligned}$$

4-4) Reinforcement bar

Specification : SD345

	Left barrier	Right barrier	Median	Total
D16	4630 kg	4630 kg	0 kg	9260 kg
D13	3392 kg	3392 kg	1726 kg	8510 kg
Total	8022 kg	8022 kg	1726 kg	17770 kg

(7) Illumination post pedestal



1) Concrete volume ($\sigma_{ck} = 24 \text{ N/mm}^2$)

Plan area

$$a1 = 1/2 \times (0.600 + 1.600) \times 0.500 = 0.5500 \text{ m}^2$$

Concrete volume

$$V1 = 0.550 \times 0.585 \times 6 = 1.931 \text{ m}^3$$

$$V2 = 0.550 \times 0.500 \times 1/2 \times 6 = 0.825 \text{ m}^3$$

$$\Sigma V = 2.756 \text{ m}^3$$

$$\text{The number of the footstools} \quad 3 \text{ unit} \quad 8.268 \text{ m}^3$$

2) Molding box area

Circumference

$$L1 = 0.707 \times 2 + 0.600 = 2.014 \text{ m}$$

Form area

$$A1 = 2.014 \times (0.585 + 0.707) \times 6 = 15.613 \text{ m}^2$$

$$\text{The number of the footstools} \quad 3 \text{ unit} \quad 46.838 \text{ m}^3$$

3) Reinforcement bar

Specification : SD345

$$D13 \quad 40 \times 6 = 240 \text{ kg}$$

$$\text{The number of the footstools} \quad 3 \text{ unit} \quad 720 \text{ kg}$$

※Construction (data)

I-grider Approximate quantity of construction

1. Construction equipemnt(I-grider)

Machine	Standard	Unit	Remarks
Crawler crane	100t load	1	Construction、base assembly
Rough terrain crane	16t load	1	Bearing installation
Rough terrain crane	25t load	1	Bent construction・Demolition
Generator	45KVA	1	
Construction tool		1	
Vent equipment	Laying iron plate foundation	4	
Scaffolding		1	
Measurement tool		1	
Laying iron plate		1	
Ascending pier	P9, P11	2	

2. Quantity of construction(I-grider)

1) Steel quantity

Main grider	328.856	t
Cross beam	19.216	t
Cross frame	8.568	t
Lateral	14.760	t
Total	371.400	t (Bridge)

2) Bent foundation

$h \leq 10$ m

Bent number	B(m)	h (m)
B1	10.4	6.8
B2	10.4	6.5
B3	10.4	6.1
B4	10.4	5.4

3) Vent facilities

$h \leq 10$ m

Bent number	B(m)	h (m)	n
B1	10.4	6.8	5
B2	10.4	6.5	5
B3	10.4	6.1	5
B4	10.4	5.4	5

4) Base assembly

Ground assembling mass	282.534	t

5) The construction number of times

35 convolution

6) High strength bolt

17,944 number

7) Rubber bearing

Number	20	
All mass	17.3	t
Mortar	1.48	m3

8) Falsework

Falsework area	122	×	12.75	=	1555.5	m3
Main constituent, Sublevel, Safe passage, Partial work floor version, Funnel						
Protecting work	27	×	12.75	=	344.3	m3
Uphill pier	12.0	m				

9) The coupling part spot painting

Exterior painting	278.8	m2
Additional painting	58.4	m2
Total	337.2	m2

Contracted word

- 1.4 Quantity of block
 - The Number Of The Groups : Set
 - One Set Of Weight : S.W
 - Minor Total : M.Total
- 1.5 Calculation of block
 - The Number Of The Groups : Set
 - Materials Single Number : S.Number
 - Materials Single Weight : S.Weight
 - Materials Single Number : S.Number
 - Materials Single Weight : S.Weight
 - The Number Of The Materials : Number
 - Processing Weight : Weight
 - Processing Weight : Weight
- 1.6 Extension of large welded T-joint
 - Materials Initial : Mtas. I
 - Board Width : W
 - The Number Of The Groups : Line
 - Welding Extension : Welding
- 2.1 Weight of steel material weight
 - Large Shape Piece : Large Shape
 - Small Shape Piece : Small Shape
 - Materials Single Number : Number
 - Accessory Small Shape Piece : Acc Small
 - Other Accessories : Other Acc
 - Butt Welded Joint Of Steel Plate : Butt Joint
 - The Tee-Fitting Weld Length : Tweld Length
 - Unit Weight : U.Weight
 - One Set Of Weight : S.Weight
 - Large : L
 - Small : S
 - Small Shape Single Weight : S.W
 - Buying : B
 - Length : Lg
 - Number : Nb
 - Materials : Mtls
 - Materials Initial : Mtas. I
 - Comment : Cmt
 - Assortment : Am
 - Element : Elt
 - Abstract : Abs
- 1.8 Summary list of painting area
 - Painting Name : Color
 - Ordinary Part : O.P
 - Splicing Part : S.P
- 3.2 Calculation of painting area
 - Length : Lg
 - Volume : Nb
 - Materials Initial : Mtas. I
 - Surface Area : S.Area
 - Painting Area (Painting system) : P.Area(P system)
 - Painting : P.Nt
 - Painting System : Color
 - Ordinary Part : O.P
 - Splicing Part : S.P

03-SUBSTRUCTURE AND FOUNDATION

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§1. Summary of quantity of substructure

1. Summary of quantity

1) Main structure

Item	Classification	Specification		Unit	AF1 Abutment	PF1 Pier	PF2 Pier	PF3 Pier	PF4 Pier	PF5 Pier	PF6 Pier	PF7 Pier	PF8 Pier	PF9 Pier	PF10 Pier	PF11 Pier	PF12 Pier	PF13 Pier	PF14 Pier	PF15 Pier	AF2 Abutment	Total	Remarks
Earth work	Excavation	Soil		m ³	162.1	282.6	274.7	509.6	367.7	423.5	365.2	317.8	407.5	402.2	400.0	318.0	314.4	320.0	355.7	395.9	452.4	6069.3	
	Backfill	Soil		m ³	30.4	112.8	81.7	250.2	194.8	215.1	192.6	181.8	217.6	228.9	209.5	176.0	178.8	183.7	176.1	202.7	227.0	3059.7	
	Surplus soil treatment	Soil		m ³	128.3	157.3	183.9	231.6	151.3	184.5	151.2	115.8	165.7	147.9	167.2	122.4	115.7	115.9	160.0	170.7	200.2	2669.6	
	Base levelling	-		m ²	97.1	82.5	82.5	98.6	63.8	77.1	63.8	49.9	71.8	63.8	71.8	49.9	49.9	49.9	60.2	71.8	82.6	1187.0	
	Embankment	Soil		m ³	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	248.3	248.3	
Concrete volume	Reinforcement structure	Post-cast part	σck=24N/mm ²	m ³	1.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1.8	3.6	
		Superstructure construction	σck=24N/mm ²	m ³	2.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2.8	5.6	
		Substructure construction	σck=24N/mm ²	m ³	349.0	268.5	323.4	330.7	279.4	392.6	310.2	280.1	323.6	302.6	311.3	314.4	239.5	225.8	289.9	262.3	347.9	5151.2	
Form area	Reinforcement structure	Post-cast part	Common part	m ²	4.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4.0	8.0	
		Superstructure construction	Common part	m ²	18.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	18.0	36.0	
		Substructure construction	Common part	m ²	345.0	72.2	72.2	79.8	65.6	70.3	65.6	56.1	68.4	65.6	68.4	56.1	56.1	56.1	60.8	68.4	388.1	1714.8	
			Special part		-----	89.0	126.1	91.5	91.5	125.6	89.0	95.7	89.0	89.0	89.0	123.2	95.1	95.1	126.2	89.0	-----	1504.0	Metal form
			Ordinary part	m ²	-----	26.8	38.8	51.9	78.7	103.3	116.3	114.5	114.5	107.3	100.2	85.7	68.0	51.9	42.8	141.5	-----	1242.2	Metal form
Lean concrete	Plain concrete structure	σck=18N/mm ² , t=100mm		m ²	97.1	82.5	82.5	98.6	63.8	77.1	63.8	49.9	71.8	63.8	71.8	49.9	49.9	49.9	60.2	71.8	82.6	1187.0	
	Form area	t=100mm		m ²	4.4	3.9	3.9	4.3	3.5	3.8	3.5	3.0	3.7	3.5	3.7	3.0	3.0	3.0	3.3	3.7	4.0	61.2	
	Plain concrete structure	Volume		m ³	9.7	8.3	8.3	9.9	6.4	7.7	6.4	5.0	7.2	6.4	7.2	5.0	5.0	5.0	6.0	7.2	8.3	119.0	
Reinforcement bar	SD345	D13		t	0.755	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	0.643	1.398	
		D16		t	5.276	3.749	6.645	5.366	6.008	8.903	6.917	5.977	2.701	6.690	2.633	7.568	4.890	4.413	5.360	4.666	4.989	92.741	
		D19		t	1.415	0.848	0.382	1.555	3.078	1.182	1.523	1.643	6.603	1.523	6.127	1.286	2.416	2.416	1.939	-----	1.313	35.249	
		D22		t	2.023	4.624	2.448	0.654	0.654	2.478	4.667	4.581	4.581	4.581	4.581	3.368	2.823	2.823	2.420	4.581	1.785	53.672	
		D25		t	3.694	-----	3.495	1.874	-----	-----	-----	5.346	-----	-----	-----	3.495	2.430	2.187	0.597	3.099	6.001	32.218	
		D29		t	0.987	5.180	8.772	5.483	-----	4.222	13.384	0.706	4.677	10.336	4.677	-----	0.706	0.706	3.223	4.973	1.321	69.353	
		D32		t	3.622	13.148	1.551	19.234	9.382	18.595	5.061	4.470	23.667	5.058	22.579	2.082	4.470	4.470	9.823	8.078	3.582	158.872	
		Total		t	17.772	27.549	23.293	34.166	19.122	35.380	31.552	22.723	42.229	28.188	40.597	17.799	17.725	17.015	23.362	25.397	19.634	443.503	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	252	190	217	243	300	368	380	380	376	361	346	329	277	243	244	224	304	5034	
Blockout	Cylindrical form	φ150		m	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7.8	-----	-----	7.8	-----	15.6	
		φ175		m	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11.0	11.0	-----	-----	22.0	
		φ200		m	4.2	-----	9.3	10.2	10.2	5.1	-----	4.5	-----	-----	-----	4.2	-----	-----	4.2	-----	4.2	56.1	
		φ250		m	-----	2.9	-----	-----	-----	5.1	5.2	-----	6.0	2.6	12.6	-----	-----	-----	6.0	-----	-----	40.4	
		Non-shrinkage mortar		m ³	0.21	0.23	0.49	0.62	0.62	0.64	0.44	0.20	0.41	0.18	0.69	0.49	0.43	0.43	0.45	0.30	0.20	7.02	
Foundation material	-	RC-40	t=200	m ²	97.1	82.5	82.5	98.6	63.8	77.1	63.8	49.9	71.8	63.8	71.8	49.9	49.9	49.9	60.2	71.8	82.6	1187.0	
Timbering	Wedge combination	H ≤ 30 m		m ³	29	38	52	55	73	114	98	97	97	92	87	99	66	55	64	49	36	1201	
	Pipe support	H < 4 m		m ³	7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8	15	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	AF1 Abutment	PF1 Pier	PF2 Pier	PF3 Pier	PF4 Pier	PF5 Pier	PF6 Pier	PF7 Pier	PF8 Pier	PF9 Pier	PF10 Pier	PF11 Pier	PF12 Pier	PF13 Pier	PF14 Pier	PF15 Pier	AF2 Abutment	Total	Remarks
Pile diameter		m	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-----	
Number of pile		No.	8	6	6	9	6	6	6	4	6	6	6	4	4	4	4	6	6	-----	
Design length of pile		m	40.5	41.5	41.5	38.0	40.5	35.5	33.5	37.0	37.0	35.5	32.5	32.5	33.0	32.5	33.5	34.0	34.0	-----	
Total length		m	324.0	249.0	249.0	342.0	243.0	213.0	201.0	148.0	222.0	213.0	195.0	130.0	132.0	130.0	134.0	204.0	204.0	3533.0	
For each pile																					
Concrete	σ _{ck} =24N/mm ² (Nominal strength σ _{ck} =30N/mm ²)	m ³	71.6	73.3	73.3	67.2	71.6	62.7	59.2	65.4	65.4	62.7	57.4	57.4	58.3	57.4	59.2	60.1	60.1	1082.3	
Concrete (design pile length)	σ _{ck} =24N/mm ² (Nominal strength σ _{ck} =30N/mm ²)	m ³	69.8	71.5	71.5	65.4	69.8	60.9	57.4	63.6	63.6	60.9	55.6	55.6	56.5	55.6	57.4	58.3	58.3	1051.7	
Demolition concrete		m ³	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	30.6	
Reinforcement bar (SD345)	D13	t	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.238	
	D16	t	-----	-----	-----	-----	-----	-----	-----	-----	-----	0.014	-----	-----	-----	-----	-----	-----	-----	0.014	
	D19	t	1.904	1.941	1.941	1.797	1.893	1.698	1.625	-----	1.759	1.733	1.577	1.568	1.592	1.568	1.625	1.628	1.671	27.520	
	D22	t	0.275	0.275	0.275	0.248	0.275	0.234	0.220	1.743	0.248	0.234	0.220	0.220	0.220	0.220	0.220	0.220	0.220	5.567	
	D25	t	2.040	2.111	2.111	1.475	1.614	1.600	1.457	0.248	1.708	1.622	1.385	1.105	1.133	1.105	1.600	1.189	1.454	24.957	
	D29	t	-----	-----	-----	-----	-----	-----	-----	-----	2.910	-----	-----	-----	-----	-----	-----	-----	-----	2.910	
	D32	t	3.856	3.856	3.856	2.912	2.912	3.856	3.856	-----	3.856	3.029	3.856	2.912	2.912	2.912	3.407	2.912	3.029	53.929	
	D35	t	-----	-----	-----	-----	-----	-----	-----	-----	1.720	-----	-----	-----	-----	-----	-----	-----	-----	1.720	
Total	t	8.089	8.197	8.197	6.446	6.708	7.402	7.172	-----	7.585	6.632	7.052	5.819	5.871	5.819	6.866	5.963	6.388	110.206		
Flat steel	FB50×6	t	0.108	0.108	0.108	0.097	0.108	0.092	0.086	6.635	0.097	0.092	0.086	0.086	0.086	0.086	0.086	0.086	0.086	8.133	
Excavation length		m	41.3	43.0	43.2	40.8	43.3	38.4	36.3	39.9	39.9	38.4	35.3	35.4	35.8	35.4	36.3	36.8	36.9	656.4	
Weighted average soil coefficient			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-----	
Excavation volume		m ³	73.0	76.0	76.4	72.1	76.6	67.8	64.2	70.4	70.5	67.8	62.4	62.5	63.3	62.5	64.2	65.0	65.1	1159.8	
Excavation length for different N value	Soil N value: Less than 20	m	15.7	15.5	14.9	13.0	12.0	11.8	11.6	11.6	11.9	12.5	13.3	13.5	13.8	11.8	11.6	12.1	12.0	218.5	
	Soil N value: 20–Less than 40	m	23.8	25.6	26.3	25.8	29.5	23.7	23.1	24.4	25.9	24.4	22.0	21.9	22.0	23.6	24.8	24.7	24.9	416.3	
	Soil N value: More than 40	m	1.8	1.9	2.1	2.1	1.9	2.9	1.6	3.8	2.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	
	Total	m	41.3	43.0	43.3	40.8	43.3	38.4	36.3	39.9	39.9	38.4	35.3	35.4	35.8	35.4	36.3	36.8	36.9	656.4	

※() Is flare groove weld position

3) Summary of quantity of approach slab

Item	Specification		Unit	AF1 Abutment	AF2 Abutment	Total	Remarks
Concrete	Reinforcement structure		m ³	-----	18.9	18.9	σ _{ck} =24N/mm ²
Form	Reinforcement structure		m ²	-----	7.3	7.3	
Reinforcement bar	Weight	D10	t	-----	0.008	0.008	SD345
		D13	t	-----	0.714	0.714	SD345
		D16	t	-----	-----	-----	SD345
		D22	t	-----	-----	-----	SD345
		D25	t	-----	0.589	0.589	SD345
		D29	t	-----	1.413	1.413	SD345
		D32	t	-----	-----	-----	SD345
		Total	t	-----	2.724	2.724	SD345
Rubber bearing	t=20	m ²	-----	2.2	2.2		
Joint material	t=20	m ²	-----	9	9		
Gas pipe	Sgp40a	kg	-----	17	17		
Cap	φ60×3.2	kg	-----	2	2		

※The construction of approach slab of AF1 is included in Package 2

§2. AF1 Quantity calculation

1.Summary of quantity of AF1 abutment

1)Main structure

Item	Classification	Specification		Unit	AF1 Abutment	Remarks
Earth work	Excavation	Soil		m ³	162.1	
	Backfill	Soil		m ³	30.4	
	Surplus soil treatment	Soil		m ³	128.3	
	Base levelling	-		m ²	97.1	
Concrete volume	Reinforcement structure	Post-Cast part	σck=24N/mm ²	m ³	1.8	
		Superstructure construction	σck=24N/mm ²	m ³	2.8	
		Substructure construction	σck=24N/mm ²	m ³	349.0	
Form area	Reinforcement structure	Post-cast part		m ²	4.0	
		Superstructure construction		m ²	18.0	
		Substructure construction		m ²	345.0	
Lean concrete	Plain concrete structure	σck=18N/mm ² , t=100mm		m ²	97.1	
	Form area	t=100mm		m ²	4.4	
	Plain concrete structure	Volume		m ³	9.7	
Reinforcement bar	SD345	D13		t	0.755	
		D16		t	5.276	
		D19		t	1.415	
		D22		t	2.023	
		D25		t	3.694	
		D29		t	0.987	
		D32		t	3.622	
		Total		"	17.772	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	252	
Blockout	Cylindrical form	φ200		m	4.2	
		Non-shrinkage mortar		m ³	0.21	
Foundation material	-	RC-40	t=200	m ²	97.1	
Timbering	Wedge combination	H ≤ 30 m		m ³	29	
	Pipe support	H < 4 m		m ³	7	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	AF1 Abutment	Remarks
Pile diameter		m	1.5	
Number of pile		No.	8	
Design length		m	40.5	
Total length		m	324.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	71.6	
Concrete (Design pile length)	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	69.8	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	t	-----	
	D19	t	1.904	
	D22	t	0.275 (0)	
	D25	t	2.040	
	D29	t	-----	
	D32	t	3.856	
	D35	t	-----	
	Total	t	8.089 (0)	
Flat steel	FB50×6	t	0.108	
Excavation length		m	41.3	
Weighted average soil coefficient		m	1.00	
Excavation volume		m^3	73.0	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	15.7	
	Soil N value: 20~Less than 40	m	23.8	
	Soil N value: More than 40	m	1.8	
	Total	m	41.3	

※() Is flare groove weld position

3) Summary of quantity of approach slab

Item	Specification		Unit	AF1 Abutment	Remarks
Concrete	Reinforcement structure		m ³	18.9	$\sigma_{ck}=24\text{N/mm}^2$
Form	Reinforcement structure		m ²	7.3	
Reinforcement bar	Weight	D10	t	0.008	SD345
		D13	t	0.705	"
		D16	t	-----	"
		D22	t	-----	"
		D25	t	0.589	"
		D29	t	1.413	"
		D32	t	-----	"
		Total	t	2.715	"
Rubber bearing	t=20		m ²	2.2	
Joint material	t=20		m ²	9.0	
Gas pipe	SGP4OA		kg	17	
Cap	$\phi 60 \times 3.2$		kg	2	
Lean concrete	Construction area	t=100	m ²	48.8	$\sigma_{ck}=18\text{N/mm}^2$
	Concrete volume	t=100	m ³	4.9	
	Form area	t=100	m ²	2.1	
Macadam	t=100		m ²	48.8	

2. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 & = 11.11 \times (15.25 + 16.47) \times \frac{1}{2} = 176.2 \text{ m}^3 \\
 \text{(deducting)} & v2 & = -\pi/4 \times 1.50^2 \times 1.00 \times 8 = -14.1 \text{ m}^3 \\
 & & \hline
 & V1 & = 162.1 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Column} & v1 & = \\
 \text{Pile cap} & v2 & = 14.25 \times 7.50 \times 0.92 = 98.3 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = 14.45 \times 7.70 \times 0.30 = 33.4 \text{ m}^3 \\
 & & \hline
 & V' & = 131.7 \text{ m}^3
 \end{array}$$

$$V2 = V1 - V' = 162.1 - 131.7 = 30.4 \text{ m}^3$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

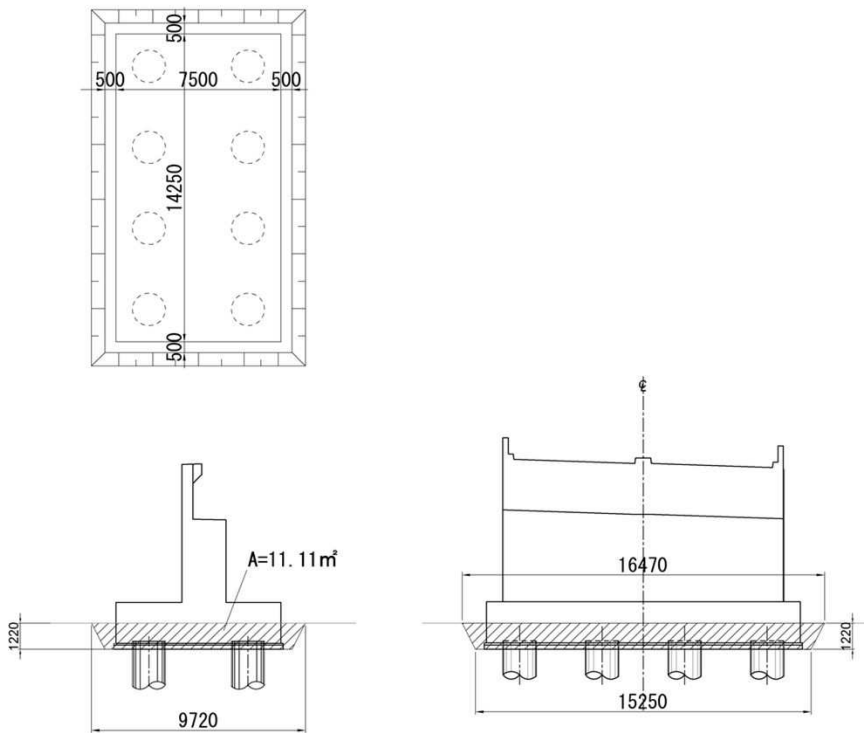
	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1(m ³)	V2(m ³)	V3(m ³)
Cohesive soil	0.90	162.1	30.4	128.3

$$= 128.3 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = & 14.45 \times 7.70 - \pi/4 \times 1.50^2 \times 8 = 97.1 \text{ m}^2 \\
 & & \hline
 \Sigma A & = & 97.1 \text{ m}^2
 \end{array}$$

Earth work figure



Body	
Part	Dimension
Wall width	12.77
Wall thickness	2.00
Pile cap width	12.75
Pile cap depth	10.50
Pile cap thickness	1.90
Number of pile	8
Pile head height	1.00

Position of the pile top (from base of the excavation)

H= 45φ+220+300 = 45 × 32 + 220 + 300 = 1960.0 mm
≐ 1960 mm

3.Foundation work

3-1. Foundation material (t=200, RC-40)

$$14.45 \times 7.70 - \pi/4 \times 1.50^2 \times 8 = 97.1 \text{ m}^2$$

3-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 14.45 \times 7.70 - \pi/4 \times 1.50^2 \times 8 = 97.1 \text{ m}^2$$

$$\text{Volume } 97.10 \times 0.10 = 9.7 \text{ m}^3$$

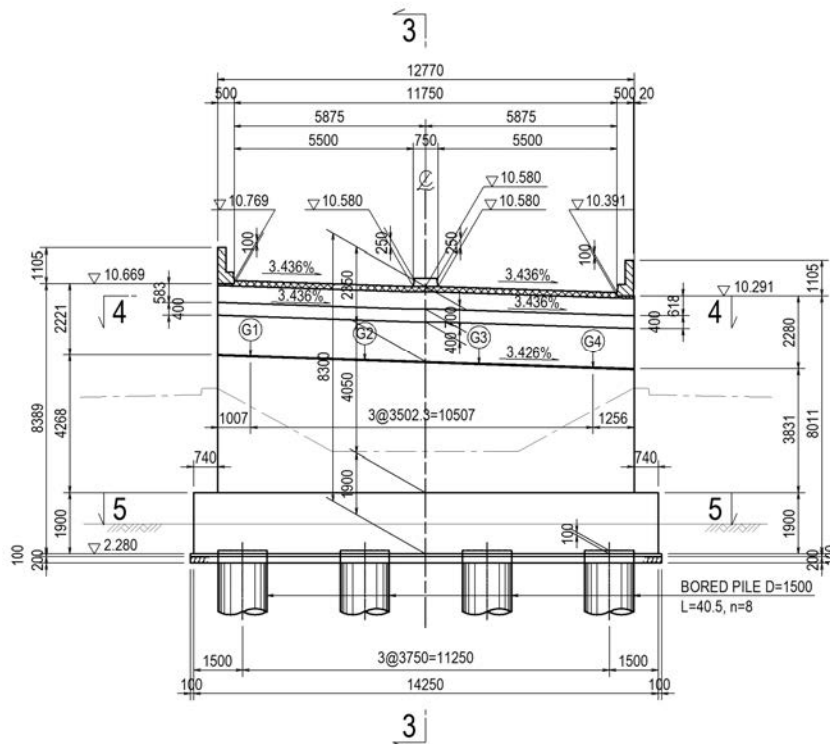
2) Form

$$(14.45 + 7.70) \times 0.10 \times 2 = 4.4 \text{ m}^2$$

4.Dimension

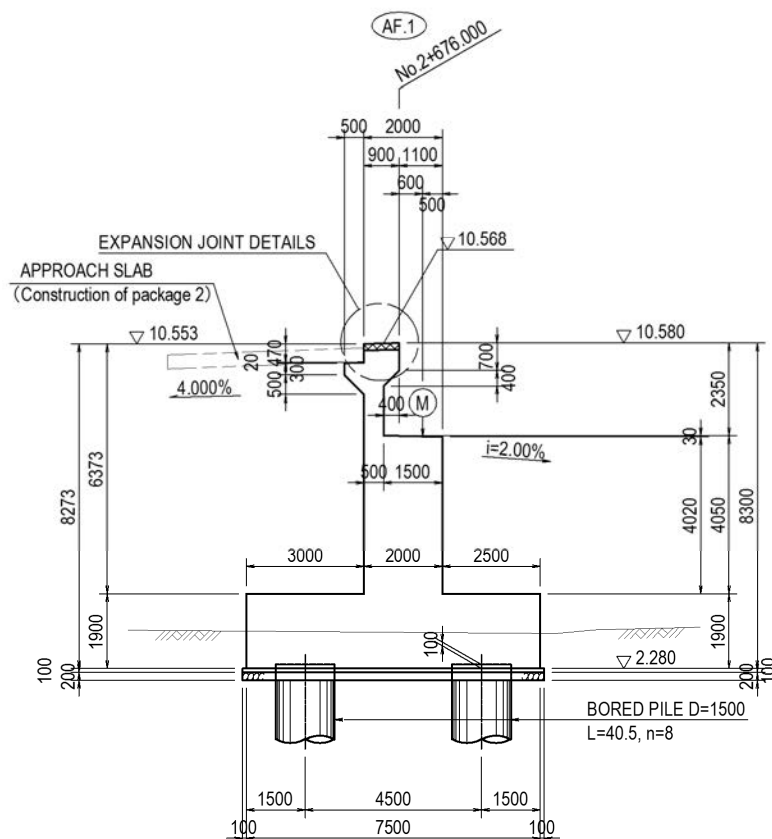
Cross section

1-1



Side view

3-3



5. Concrete volume (reinforcement structure)

24-8-25

(Preliminary calculation)

(1)Post-cast part

$$0.17 \times 11.75$$

$$= 1.998 \text{ m}^2$$

=

$$\Sigma a1 = 1.998 \text{ m}^2$$

1)Substructure construction

Parapet wall	$1/2 \times (2.35 + 2.32) \times 12.77 \times 0.50$	=	14.9 m ³
Parapet wall process	$1/2 \times (0.70 + 1.07) \times 12.77 \times 0.40$	=	4.5 m ³
Deduction for parapet wall	$- 0.17 \times 11.75 \times 0.90$	=	-1.8 m ³
Vertical wall	$4.05 \times 12.77 \times 2.00$	=	103.4 m ³
Deduction for vertical wall	$- 1/2 \times 1.50 \times 0.03 \times 12.77$	=	-0.3 m ³
Bearer	$1/2 \times (0.30 + 0.82) \times 0.50 \times (10.82 + 9.82) \times 1/2$	=	2.9 m ³
Wing wall right	$0.60 \times (6.09 + 6.02) \times 3.00 \times 1/2$	=	10.9 m ³
Wing wall left	$0.60 \times (6.46 + 6.35) \times 3.00 \times 1/2$	=	11.5 m ³
Haunch right	$1/2 \times 0.50 \times 0.50 \times (4.92 + 5.40) \times 1/2$	=	0.6 m ³
Haunch left	$1/2 \times 0.50 \times 0.50 \times (5.25 + 5.75) \times 1/2$	=	0.7 m ³
Pile cap	$14.25 \times 7.50 \times 1.90$	=	203.1 m ³
Deduction for pile	$- \pi/4 \times 1.50^2 \times 0.10 \times 8$	=	-1.4 m ³

$$\Sigma V1 = 349.0 \text{ m}^3$$

2)Post-cast part

$$\text{Parapet wall} \quad 2.00 \times 0.900$$

$$= 1.8 \text{ m}^3$$

$$\Sigma V2 = 1.8 \text{ m}^3$$

3)Substructure construction(barrier)

$$(1.11 \times 0.25 \times 3.90 + 0.35 \times 0.25 \times 3.90) \times 2 = 2.8 \text{ m}^3$$

$$\Sigma V3 = 2.8 \text{ m}^3$$

6. Form area(renforcement structure, $H \leq 30m$)

1)Substructure construction

a) Common form

Front side of parapet wall	(0.70 + 0.57 + 1.25) × 12.77	=	32.2 m ²
Back side of parapet wall	0.47 × 11.57 + 2.32 × 0.75 + 1.03 × 9.82	=	17.3 m ²
Lateral side of parapet wall	1/2 × (2.27 + 2.26) × 0.50	=	1.1 m ²
	1/2 × (0.62 + 1.01) × 0.40	=	0.3 m ²
	1/2 × (2.21 + 2.19) × 0.50	=	1.1 m ²
	1/2 × (0.58 + 0.97) × 0.40	=	0.3 m ²
Vertical wall	4.02 × 12.77 + 4.05 × 11.75 + 2.00 × 4.04 × 2	=	115.1 m ²
Bearer	(0.30 + 0.71) × 10.32	=	10.4 m ²
Bearer skirt	1/2 × (0.30 + 0.80) × 0.50 × 2	=	0.6 m ²
Wing wall right	1/2 × (6.09 + 6.02) × 3.00 × 2	=	36.3 m ²
	- 1/2 × (5.71 + 5.69) × 0.50	=	-2.9 m ²
	6.089 × 0.60 + 1/2 × (4.92 + 5.40) × 0.71	=	7.3 m ²
Wing wall left	1/2 × (6.46 + 6.35) × 3.00 × 2	=	38.4 m ²
	- 1/2 × (6.08 + 6.06) × 0.50	=	-3.0 m ²
	6.457 × 0.60 + 1/2 × (5.25 + 5.75) × 0.71	=	7.8 m ²
Pile cap	(14.25 + 7.50) × 2 × 1.90	=	82.7 m ²

$$\Sigma A1 = 345.0 \text{ m}^2$$

2)Post-cast part

Parapet wall	0.17 × 11.75 × 2	=	4.0 m ²

$$\Sigma A2 = 4.0 \text{ m}^2$$

3)Superstructure construction(barrier)

(1.11 × 3.90 + 0.25 × 3.90 + 0.75 × 3.90) × 2	=	16.5 m ²
(1.11 × 0.25 + 0.35 × 0.25) × 4	=	1.5 m ²

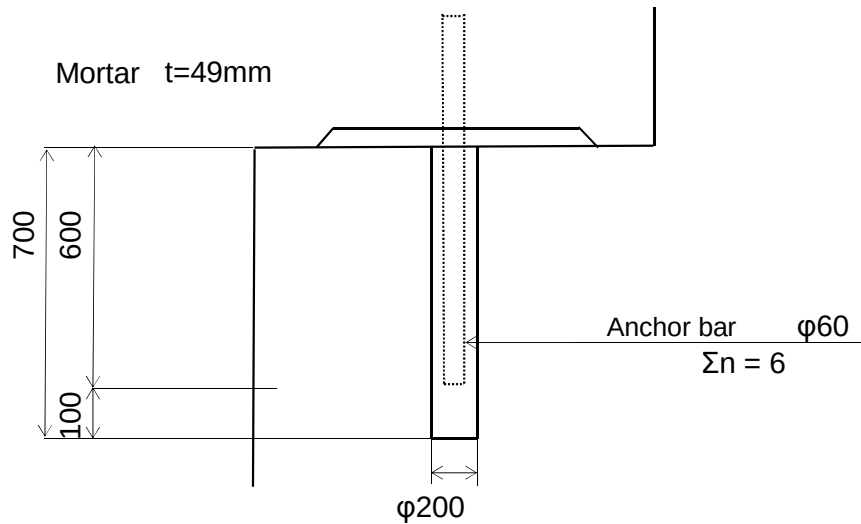
$$\Sigma A3 = 18.0 \text{ m}^2$$

7. Bearing work

(1) For S1 Anchor position 6 position

1) Non-shrinkage mortar $t = 0.049 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.72) \times \frac{1}{2} \times (0.62 + 0.72) = 0.449 \text{ m}^2 \\
 V1 &= 0.45 \times 0.05 \times 4 = 0.090 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.20^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.06^2 \times 0.60 \times 6 = -0.010 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.212 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	755	
D16	kg	5,276	
D19	kg	1,415	
D22	kg	2,023	
D25	kg	3,694	
D29	kg	987	
D32	kg	3,622	
Total	kg	17,772	

Superstructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	-----	
D19	kg	-----	
D22	kg	-----	
D25	kg	-----	
D29	kg	-----	
D32	kg	-----	
Total	kg	-----	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30m$

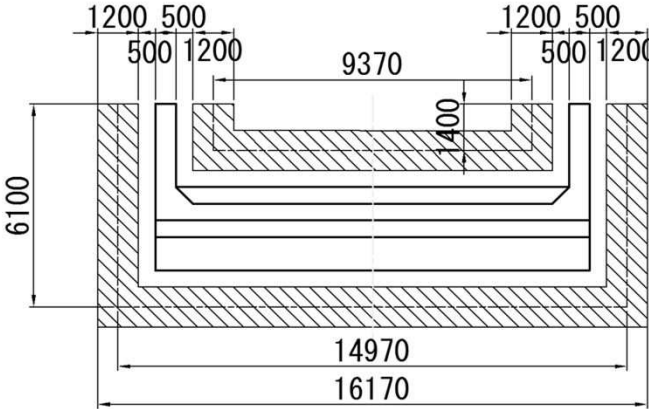
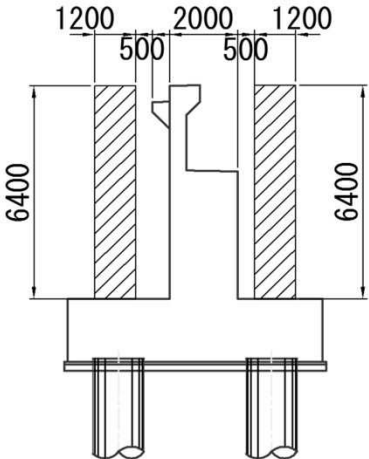
Mean height

$$H1 = 6.40 \text{ m}$$

$$((6.10 + 1.40) \times 2 + 14.97 + 9.37) \times 6.40 = 251.8 \text{ m}^2$$

$$\Sigma A1 = 252 \text{ m}^2$$

Cross section



10. Timbering

1) Bearer

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

$$\text{Timbering } W : \quad 1/2 \times (0.30 + 0.80) \times 24.5 = 13.5 \text{ kN/m}^2$$

$$\therefore W \leq 60 \text{ kN/m}^2$$

$$V1 = 1/2 \times (5.08 + 5.58) \times 0.50 \times 10.82 = 28.8 \text{ m}^3$$

$$\Sigma V = 29 \text{ m}^3$$

1) Bearer

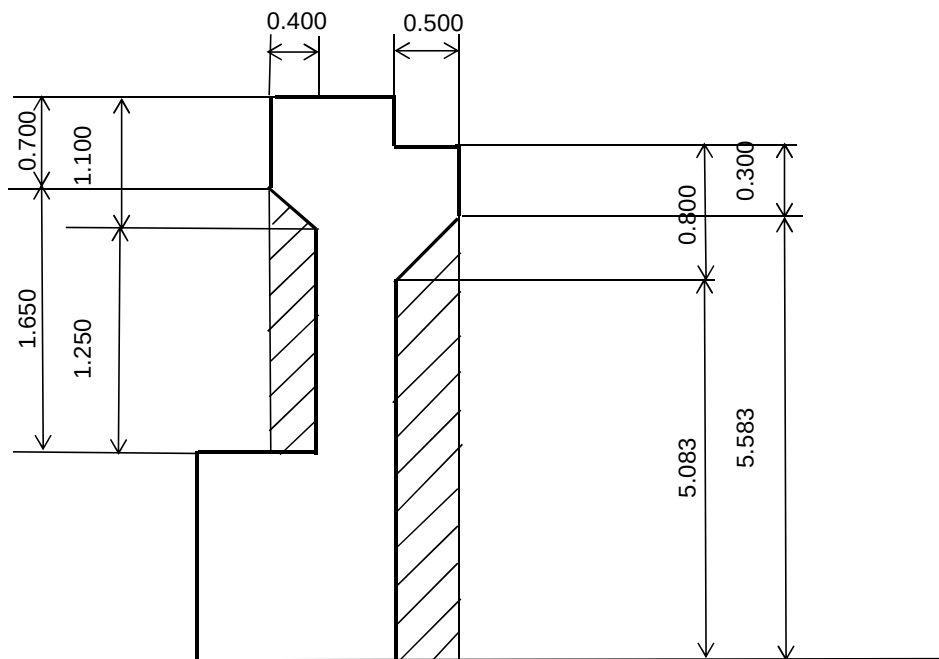
Category of structure	Reinforcement structure
Category of type	Pipe support
Category of height	$H < 4\text{m}$

$$\text{Timbering } W : \quad 1/2 \times (0.70 + 1.10) \times 24.5 = 22.1 \text{ kN/m}^2$$

$$\therefore W \leq 60 \text{ kN/m}^2$$

$$V1 = 1/2 \times (1.65 + 1.25) \times 0.40 \times 12.77 = 7.4 \text{ m}^3$$

$$\Sigma V = 7 \text{ m}^3$$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	3.20
Length	40.50	(m)	Pile head height	2.38
Total number	8	(No.)	Over break length	0.82
Total length	324.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 40.50 = 71.6 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (8本)	Flare groove weld position
D13	14	112	—
D16	-----	-----	—
D19	1,904	15,232	—
D22	275	2,200	—
D25	2,040	16,320	—
D29	-----	-----	—
D32	3,856	30,848	—
D35	-----	-----	—
Total	8,089	64,712	—
Flat bar	108	864	

(4)Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel·clay·sand	1.00
2	Rock·cobble stone·soft rock	1.80
3	Hard rock·medium hard rock	1.80

Item	Excavation length(m)	Soil coefficient× excavation length
1	41.32	41.32
2	0.00	0.00
3	0.00	0.00
Total	41.32	41.32
Weighted average		1.00

(5)Excavation (A=1.767m²)
volume

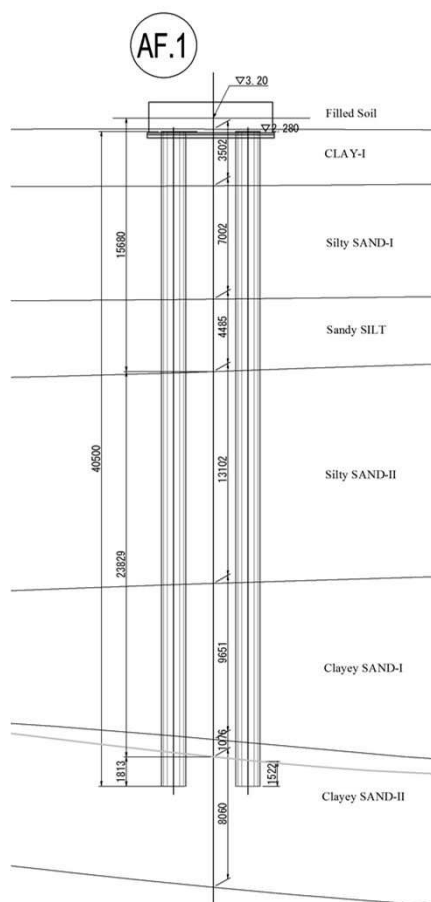
$$V= 1.767 \times 41.32$$

$$= 73.0 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	15.68
Soil N value: 20~Less than 40	23.83
Soil N value: More than 40	1.81
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock-boulder	0.00
Boulder.	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	41.32

Soil condition



7) Leveling concrete (t=100mm)

a) Concrete construction area

$$A2 = (5.00 - 0.48) \times 10.80 = 48.8 \text{ m}^2$$

$$\Sigma A = 48.8 \text{ m}^2$$

b) Concrete volume

$$V2 = 48.80 \times 0.10 = 4.9 \text{ m}^3$$

$$\Sigma V = 4.9 \text{ m}^3$$

c) Form

$$A2 = (10.80 + 5.00 \times 2) \times 0.10 = 2.1 \text{ m}^2$$

$$\Sigma A = 2.1 \text{ m}^2$$

8) Macadam (t=100mm)

$$A2 = (5.00 - 0.48) \times 10.80 = 48.8 \text{ m}^2$$

$$\Sigma A = 48.8 \text{ m}^2$$

9) Reinforcement bar

(SD345)

Diameter	Unit	Quantity	Remarks
D10	kg	8	
D13	kg	705	
D16	kg	-----	
D19	kg	-----	
D22	kg	589	
D25	kg	1413	
D29	kg	-----	
D32	kg	-----	
Total	kg	2715	

§3. PF1 Quantity calculation

1 .Summary of quantity of PF1 pier

1)Main structure

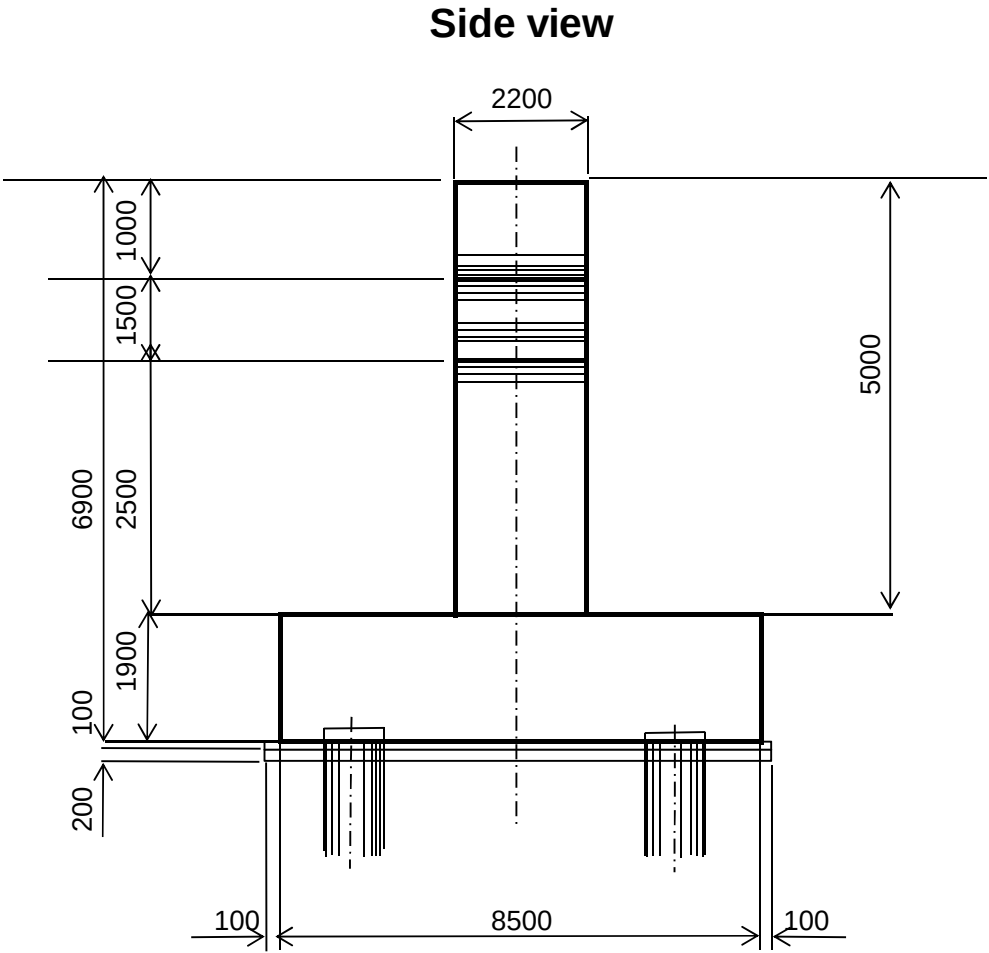
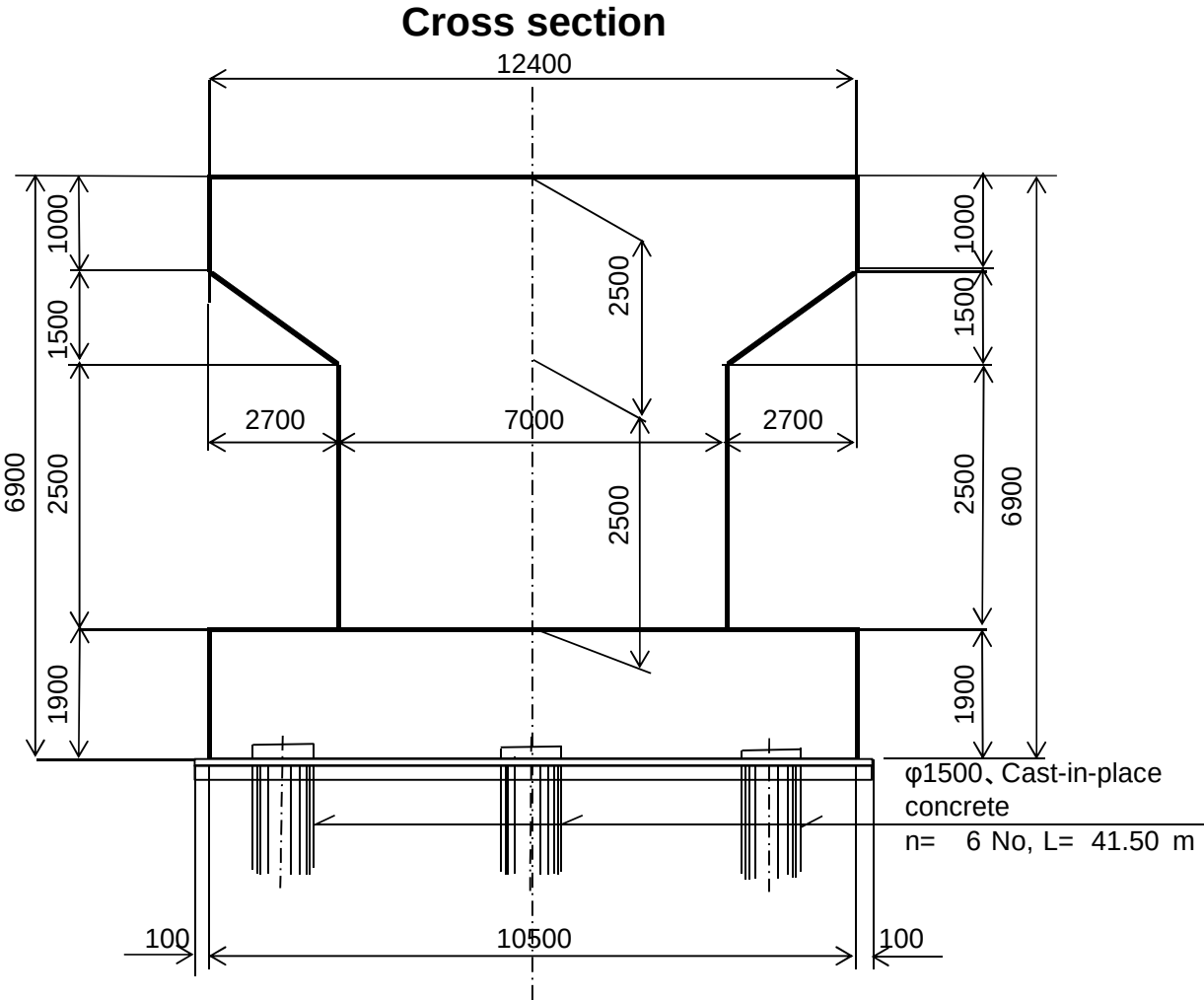
Item	Classification	Specification		Unit	PF1 Pier	Remarks
Earth work	Excavation	Soil		m ³	282.6	
	Backfill	Soil		m ³	112.8	
	Surplus soil treatment	Soil		m ³	157.3	
	Base levelling	-		m ²	82.5	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	268.5	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	72.2	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	26.8	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	82.5	
	Form area	t = 100mm		m ²	3.9	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	8.3	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	3.749	
		D19		"	0.848	
		D22		"	4.624	
		D25		"	-----	
		D29		"	5.180	
		D32		"	13.148	
		Total		"	27.549	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	190	
Blockout	Cylindrical form	φ200		m	2.9	
		Non-shrinkage mortar		m ³	0.23	
Foundation material	-	RC-40	t = 200	m ²	82.5	
Timbering	Wedge combination	H ≤ 30 m		m ³	38	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF1 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	41.5	
Total length		m	249.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	73.3	
Concrete (Design pile length)	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	71.5	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.941	
	D22	"	0.275	
	D25	"	2.111	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	8.197 (0)	
Flat steel	FB50×6	"	0.108	
Excavation length		m	43.0	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	76.0	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	15.5	
	Soil N value: 20~Less than 40	"	25.6	
	Soil N value: More than 40	"	1.9	
	Total	m	43.0	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 23.56 \times (11.50 + 13.39) \times \frac{1}{2} & = 293.2 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 & = -10.6 \text{ m}^3 \\
 & \hline
 & V1 & = 282.6 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Pile cap} & v2 = 10.50 \times 8.50 \times 1.59 & = 141.9 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 8.70 \times 0.30 & = 27.9 \text{ m}^3 \\
 & \hline
 & V' & = 169.8 \text{ m}^3 \\
 \\
 & V2 = V1 - V' = 282.6 - 169.8 & = 112.8 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

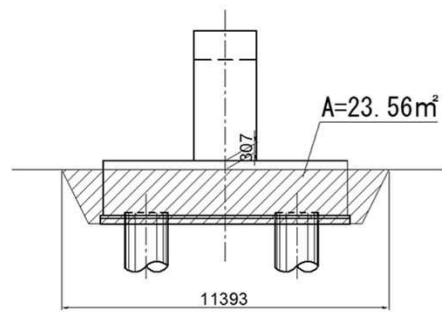
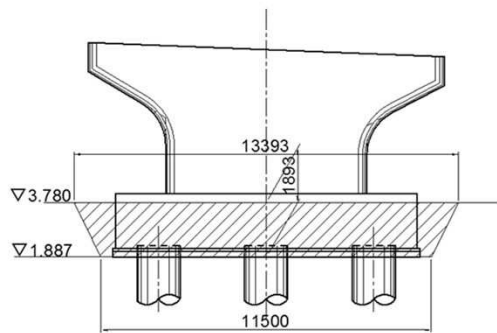
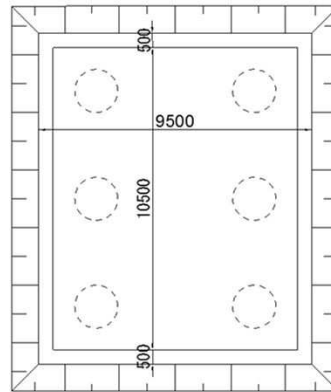
	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1(m ³)	V2(m ³)	V3(m ³)
Cohesive soil	0.90	282.6	112.8	157.3

$$= 157.3 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 & = 82.5 \text{ m}^2 \\
 & \hline
 & \Sigma A & = 82.5 \text{ m}^2
 \end{array}$$

Earth work figure



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	8.50
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 = 82.5 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 = 82.5 \text{ m}^2$$

$$\text{Volume } 82.50 \times 0.10 = 8.3 \text{ m}^3$$

2) Form

$$(10.70 + 8.70) \times 0.10 \times 2 = 3.9 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	10.50	×	8.50	×	1.90	=	169.6	m ³
Deduction for pile	- π/4	×	1.50 ²	×	0.10	×	6	= -1.1 m ³
							ΣV1	= 168.5 m ³

2) Body 24-8-25

Beam	12.40	×	1.00	×	2.20	=	27.3	m ³						
Beam	1/2	×	(12.40	+	7.00)	×	1.50	×	2.20	=	32.0	m ³		
Deduction for R300	-	(4	-	π	)	×	0.30 ²	×	(1.00	+	3.09)	=	-0.3	m ³
Addition for R1700	+	(2	-	π/2	)	×	1.70 ²	×	2.20	=	2.7	m ³		
Column	7.00	×	2.20	×	2.50	=	38.5	m ³						
Deduction for R300	-	(4	-	π	)	×	0.30 ²	×	2.50	=	-0.2	m ³		
											ΣV2	=	100.0	m ³

6. Form work (reinforcement structure, H ≤ 30m)

1) Pile cap

a) Common part

Pile cap	(	10.50	+	8.50	)	×	1.90	×	2	=	72.2	m ²		
											ΣA1	=	72.2	m ²

2) Body

b) Metal form for special part

Beam	(11.80 + 1.60)	×	1.00	×	2	=	26.8 m ²			
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2	=	27.3 m ²	
Beam(Bottom)	√(2.70 ² + 1.50 ²)	×	1.60	×	2	=	9.9 m ²			
Column	(6.40 + 1.60)	×	1.00	×	2	=	16.0 m ²			
Deduction for curve	-(1.000 + 1.000)	×	2	×	1.60	=	-6.4 m ²			
R1700	(1.808 + 1.808)	×	1	×	1.60	=	5.8 m ²			
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)	=	9.6 m ²	
								ΣA2	=	89.0 m ²

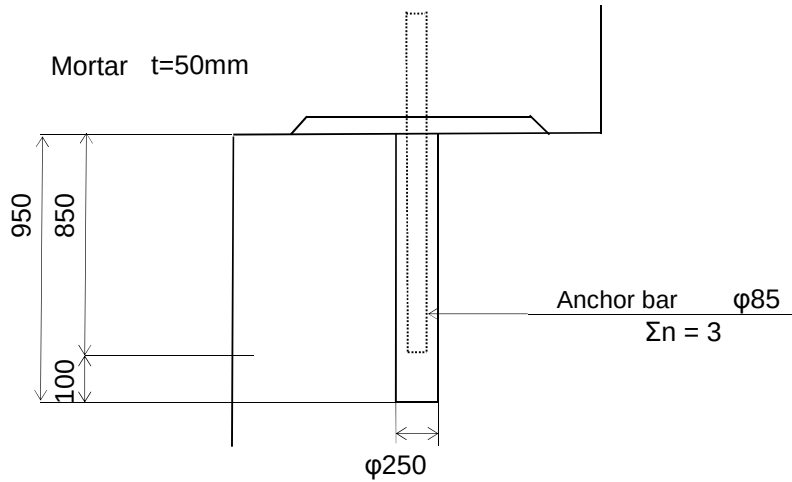
c) Metal form for ordinary part

Column	(	6.40	+	1.60	)	×	1.50	×	2	=	24.0 m ²
R300		2	×	π	×	0.30	×	1.50		=	2.8 m ²
ΣA3										=	26.8 m ²

7. Bearing work

1) For S-L Anchor 3 Position
Non-shrinkage mortar t= 0.050 m

$$\begin{aligned}
 A1 &= 1/2 \times (0.62 + 0.72) \times 1/2 \times (0.57 + 0.67) = 0.415 \text{ m}^2 \\
 V1 &= 0.42 \times 0.05 \times 4 = 0.084 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.25^2 \times 0.95 \times 3 = 0.140 \text{ m}^3 \\
 &- \pi/4 \times 0.085^2 \times 0.85 \times 3 = -0.014 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.210 \text{ m}^3
 \end{aligned}$$

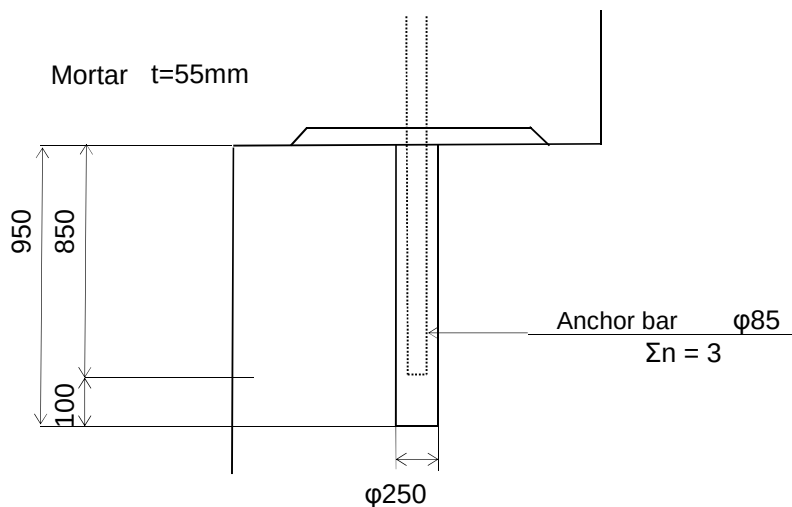


Bearing blockout (φ250)

$$L = 0.95 \times 3 = 2.9 \text{ m}$$

2) For S-R Anchor 3 Position
Non-shrinkage mortar t= 0.055 m

$$\begin{aligned}
 A1 &= 1/2 \times (0.62 + 0.73) \times 1/2 \times (0.57 + 0.68) = 0.422 \text{ m}^2 \\
 V1 &= 0.42 \times 0.06 \times 4 = 0.101 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.25^2 \times 0.95 \times 3 = 0.140 \text{ m}^3 \\
 &- \pi/4 \times 0.085^2 \times 0.85 \times 3 = -0.014 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.227 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ250)

$$L = 0.95 \times 3 = 2.9 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	3,749	
D19	kg	848	
D22	kg	4,624	
D25	kg	-----	
D29	kg	5,180	
D32	kg	13,148	
Total	kg	27,549	

10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering W : strength} = \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

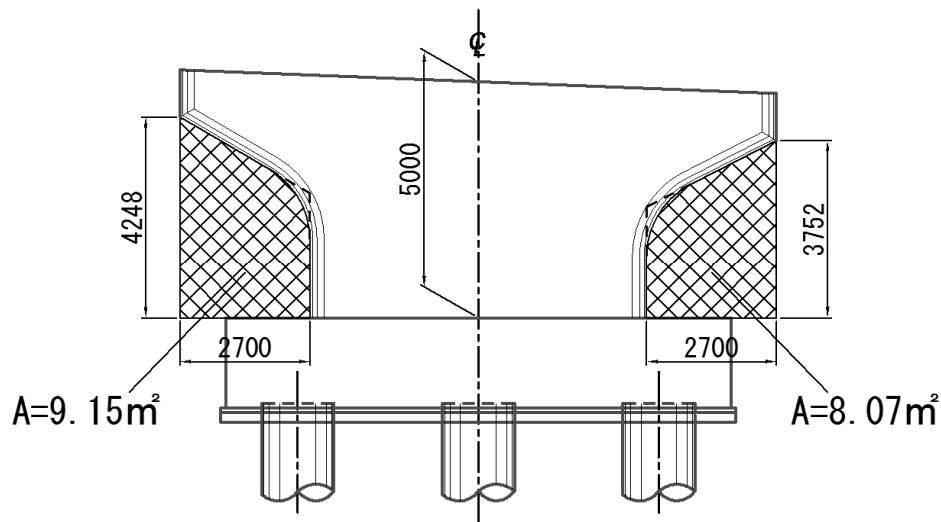
$$\text{Left side V1} = 9.15 \times 2.20 = 20.1 \text{ m}^3$$

$$\text{Right side V2} = 8.07 \times 2.20 = 17.8 \text{ m}^3$$

$$\text{R300} = (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 2.50) = 0.5 \text{ m}^3$$

$$\Sigma V = 38 \text{ m}^3$$

$$\text{Thickness of beam; } t = 2.20 \text{ m}$$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	3.78
Length	41.50	(m)	Pile head height	2.29
Total number	6	(No)	Over break length	1.49
Total length	249.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 41.50 = 73.3 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,941	11,646	—
D22	275	1,650	—
D25	2,111	12,666	—
D29	-----	-----	—
D32	3,856	23,136	—
D35	-----	-----	—
Total	8,197	49,182	—
Flat steel	108	648	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel·clay·sand	1.00
2	Rock·cobble stone·soft rock	1.80
3	Hard rock·medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	42.99	42.99
2	0.00	0.00
3	0.00	0.00
Total	42.99	42.99
Weighted average		1.00

(5) Excavation volume (A=1.767 m²)

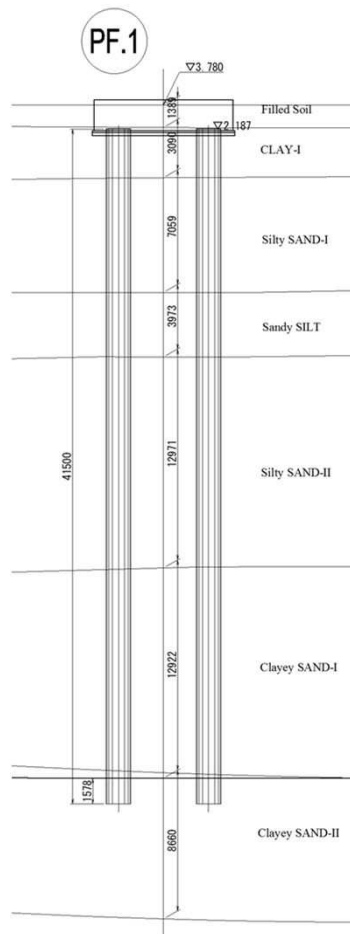
$$V = 1.767 \times 42.99$$

$$= 76.0 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	15.51
Soil N value: 20~Less than 40	25.56
Soil N value: More than 40	1.92
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	42.99

Soil condition



§4. PF2 Quantity calculation

1.Summary of quantity of PF2 pier

1)Main structure

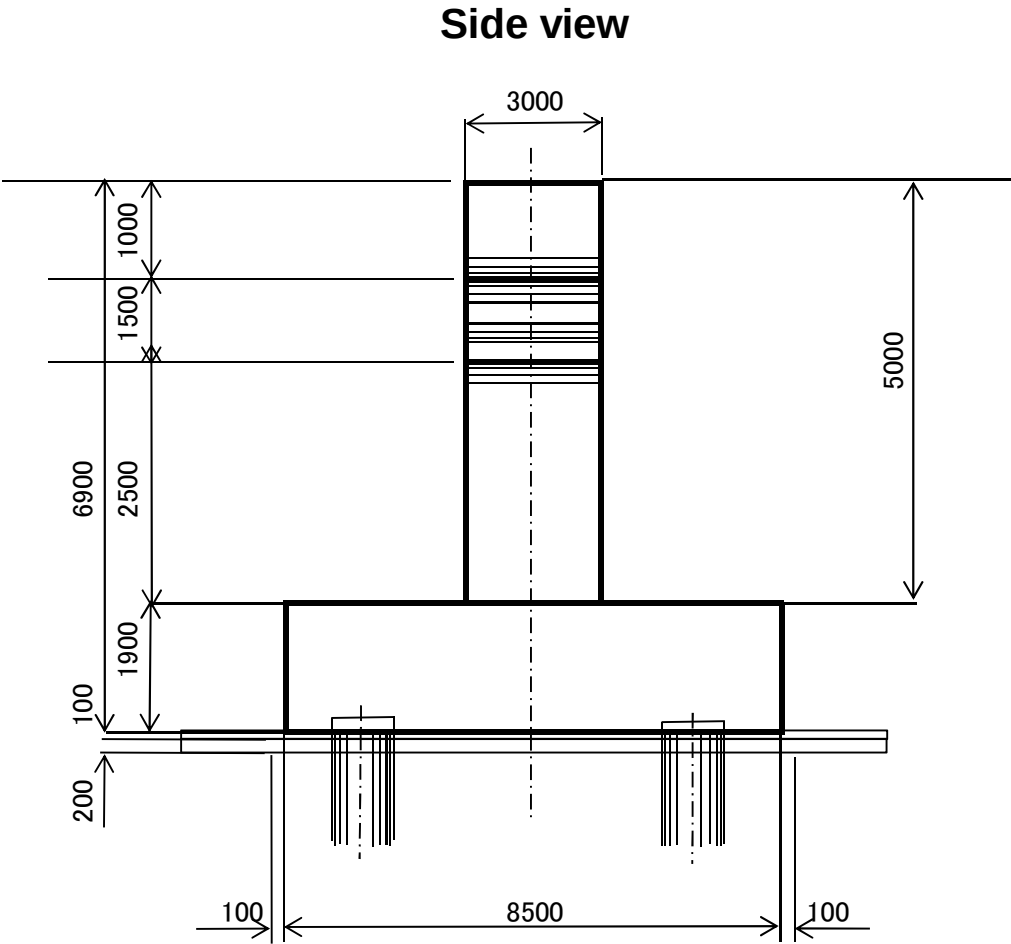
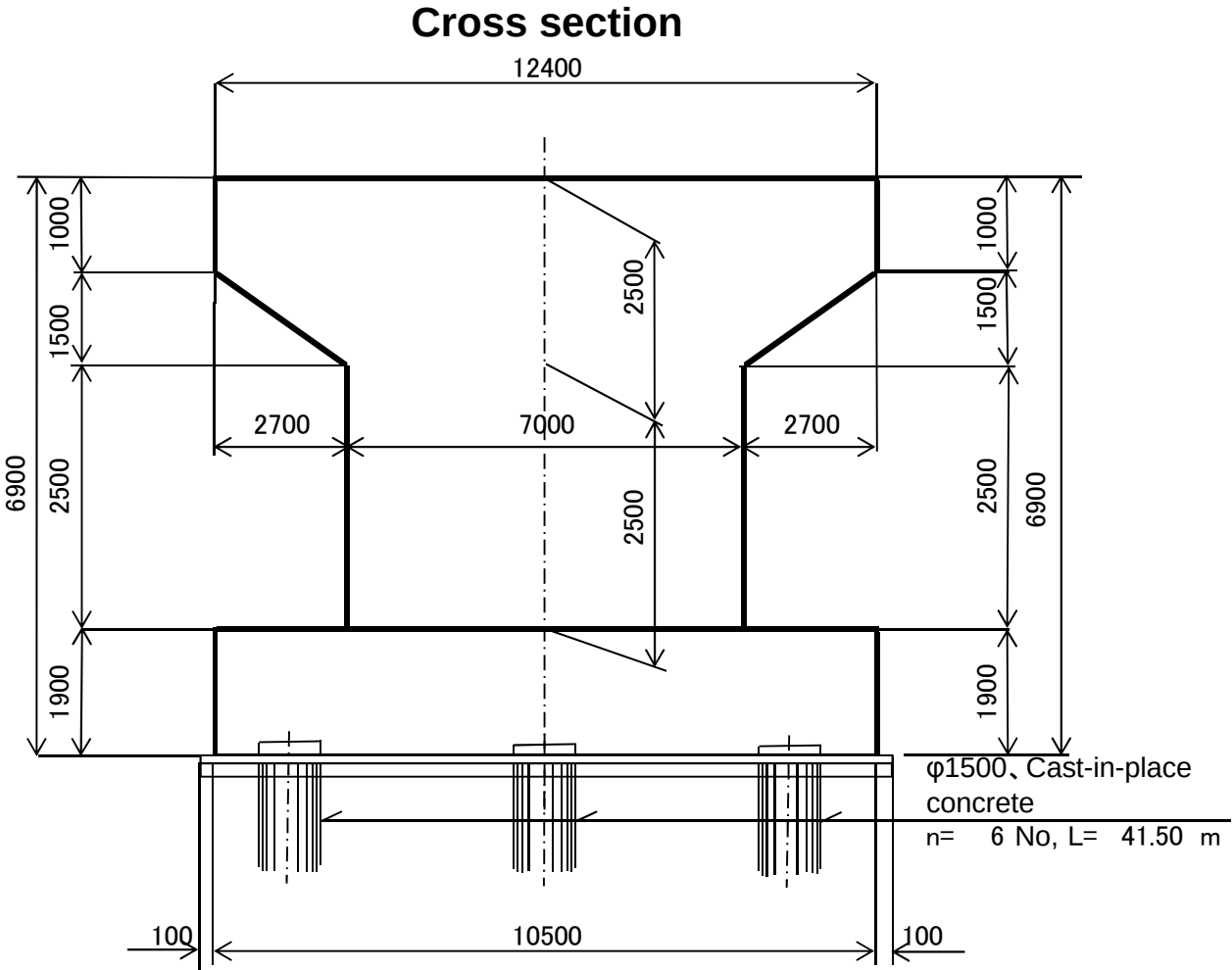
Item	Classification	Specification		Unit	PF2 Pier	Remarks
Earth work	Excavation	Soil		m ³	274.7	
	Backfill	Soil		m ³	81.7	
	Surplus soil treatment	Soil		m ³	183.9	
	Base levelling	-		m ²	82.5	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	323.4	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	72.2	
			Special part	m ²	126.1	Metal form
			Ordinary part	m ²	38.8	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, $t=100\text{mm}$		m ²	82.5	
	Form area	$t=100\text{mm}$		m ²	3.9	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	8.3	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	6.645	
		D19		"	0.382	
		D22		"	2.448	
		D25		"	3.495	
		D29		"	8.772	
		D32		"	1.551	
		Total		"	23.293	
Scaffolding	Prefabricated scaffold	$H \leq 30\text{ m}$	Body	m ²	217	
Blockout	Cylindrical form	$\phi 200$		m	4.2	
		$\phi 200$		m	5.1	
		Non-shrinkage mortar		m ³	0.49	
Foundation material	-	RC-40	$t=200$	m ²	82.5	
Timbering	Wedge combination	$H \leq 30\text{ m}$		m ³	52	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF2 Pier	Remarks
Pile diameter		m	1.5	
Number of pile		No.	6	
Design length		m	41.5	
Total length		m	249.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	73.3	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	71.5	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.941	
	D22	"	0.275	
	D25	"	2.111	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	8.197 (0)	
Flat steel	FB50×6	"	0.108	
Excavation length		m	43.2	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	76.4	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	14.9	
	Soil N value: 20~Less than 40	"	26.3	
	Soil N value: More than 40	"	2.1	
	Total	m	43.3	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 22.69 \times (11.50 + 13.65) \times \frac{1}{2} & = 285.3 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & \hline
 & V1 & = 274.7 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Pile cap} & v2 = 10.50 \times 8.50 \times 1.85 & = 165.1 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 8.70 \times 0.30 & = 27.9 \text{ m}^3 \\
 & \hline
 & V' & = 193.0 \text{ m}^3 \\
 & & \\
 & V2 = V1 - V' = 274.7 - 193.0 & = 81.7 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

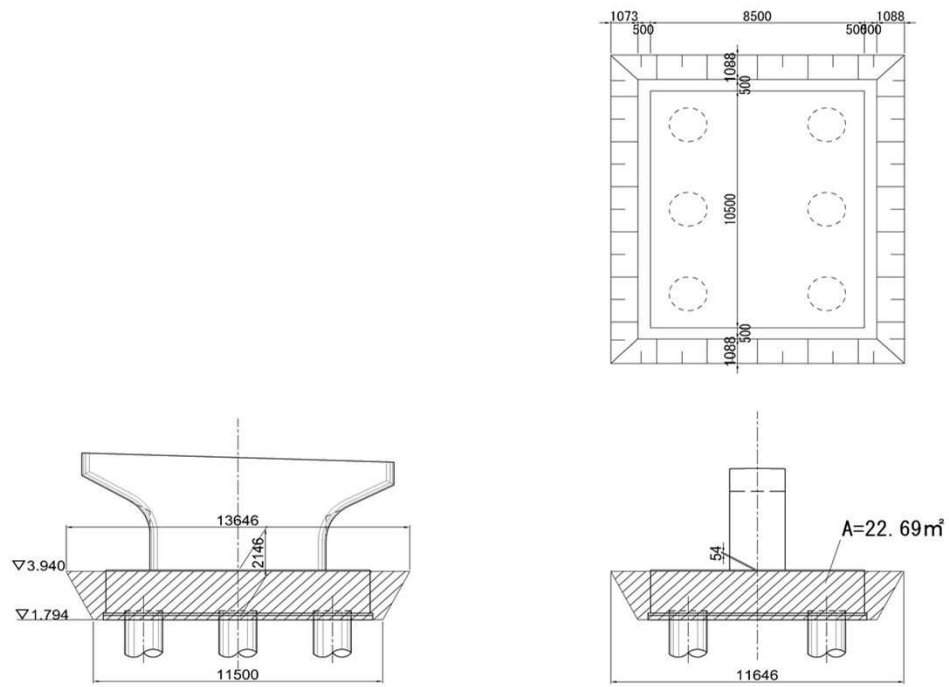
	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	274.7	81.7	183.9

$$= 183.9 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 & = 82.5 \text{ m}^2 \\
 & \hline
 \Sigma A & = & 82.5 \text{ m}^2
 \end{array}$$

Earth work figure



Body	
Part	Dimension
Wall width	7.00
Wall thickness	3.00
Pile cap width	10.50
Pile cap depth	8.50
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 = 82.5 \text{ m}^2$$

4-2. Lean concrete (t =100)

1) Concrete

$$\text{Area } 10.70 \times 8.70 - \pi/4 \times 1.50^2 \times 6 = 82.5 \text{ m}^2$$

$$\text{Volume } 82.50 \times 0.10 = 8.3 \text{ m}^3$$

2) Form

$$(10.70 + 8.70) \times 0.10 \times 2 = 3.9 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap

Pile cap	10.50	×	8.50	×	1.90	=	169.6	m ³
Deduction for pile	- π/4	×	1.50 ²	×	0.10	×	6	= -1.1 m ³
							ΣV1	= 168.5 m ³

2) Body

	1.80	×	1.50	×	0.15		=	0.4	m ³					
	1.80	×	1.50	×	0.21		=	0.6	m ³					
Beam	12.40	×	0.96	×	1.45		=	17.3	m ³					
Beam	12.40	×	1.00	×	3.000		=	37.2	m ³					
Beam	1/2	×	(12.40	+	7.000)	×	1.50	×	3.00					
							=	43.7	m ³					
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	(1.00	+	3.09)	=	-0.3	m ³	
Deduction for R300 -	((4	-	π	)	×	0.30 ²	×	0.960	)	×	0.50	=	0.0	m ³
Addition for R1700 +	(2	-	π/2	)	×	1.70 ²	×	3.00			=	3.7	m ³	
Column	7.00	×	3.00	×	2.50		=	52.5	m ³					
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	2.50			=	-0.20	m ³	
							ΣV2	=	154.9	m ³				

6. Form work (reinforcement structure, H ≤ 30m)

1) Pile cap

a) Common part

Pile cap (	10.50	+	8.50	)	×	1.90	×	2	=	72.2	m ²	
									ΣA1	=	72.2	m ²

2) Body

b) Metal form for special part

	(1.80	+	1.50	)×	0.15	×	2		=	1.0 m ²		
	(1.80	+	1.50	)×	0.21	×	2		=	1.4 m ²		
Beam	(11.80	+	1.45	×	2	+	12.40	)×	0.96	= 26.0 m ²		
Beam	(11.80	+	2.40	)×	1.00	×	2		=	28.4 m ²		
Beam	1/2	×	(11.80	+	6.40	)×	1.50	×	2	= 27.3 m ²		
Beam(Bottom) √	(2.70 ²	+	1.50 ²	)×	2.40	×	2		=	14.8 m ²		
Column	(6.40	+	2.40	)×	1.00	×	2		=	17.6 m ²		
Deduction for curve -	(1.000	+	1.000	)×	2	×	2.40		=	-9.6 m ²		
R1700	(1.808	+	1.808	)×	1	×	2.40		=	8.7 m ²		
R300	2	×	π	×	0.30	×	(1.00	+	3.09	+	1.00)	= 9.6 m ²
			π	×	0.30	×	0.96		=	0.9 m ²		
	ΣA2									=	126.1 m ²	

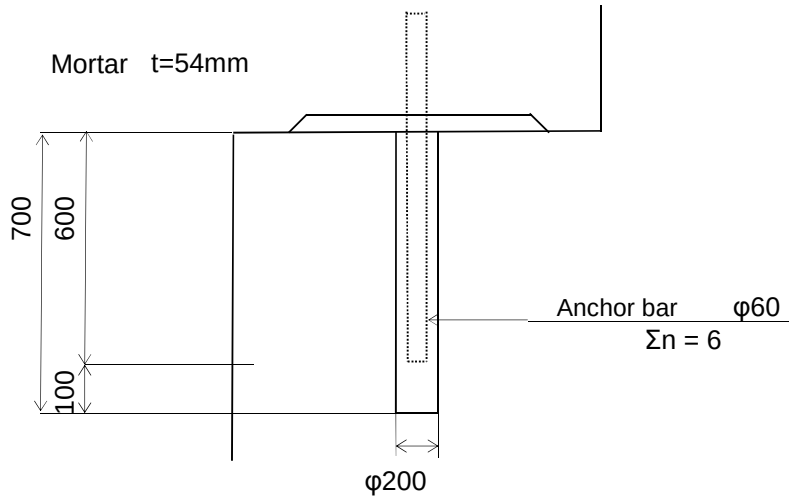
c) Metal form for ordinary part

Column (	6.40 +	2.40)	×	1.50	×	2.00	=	26.4 m ²
R300	2.00	×	π	×	0.30	×	(1.00 + 3.09 + 2.50)	= 12.4 m ²
								ΣA3 = 38.8 m ²

7. Bearing work

1) For S-L Anchor 6 Position
Non-shrinkage mortar $t = 0.054 \text{ m}$

$$\begin{aligned}
 A1 &= 1/2 \times (0.62 + 0.73) \times 1/2 \times (0.57 + 0.68) = 0.422 \text{ m}^2 \\
 V1 &= 0.42 \times 0.05 \times 3 = 0.063 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.20^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &- \pi/4 \times 0.060^2 \times 0.60 \times 6 = -0.010 \text{ m}^3 \\
 \hline
 \text{計} &= 0.185 \text{ m}^3
 \end{aligned}$$

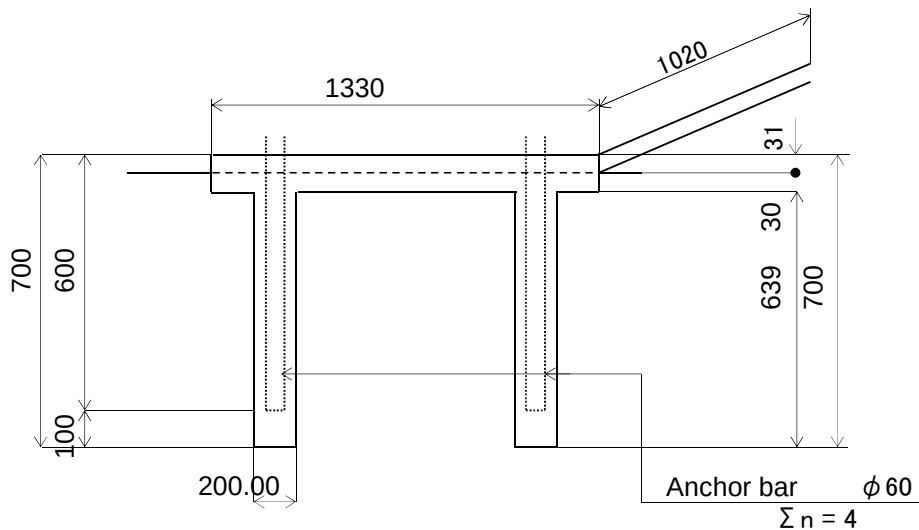


Bearing blockout (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

2) For S-R Anchor 2 Position(G1~G2)
 $t = 0.031 \text{ m}$

$$\begin{aligned}
 V1 &= 1.33 \times 1.02 \times 0.03 \times 2 \text{ 箇所} = 0.081 \text{ m}^3 \\
 V2 &= 1.33 \times 1.02 \times 0.03 \times 2 \text{ 箇所} = 0.081 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.20 \times 0.20 \times 0.64 \times 4 \times 2 \text{ 箇所} = 0.161 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.060 \times 0.060 \times 0.60 \times 4 \times 2 \text{ 箇所} = -0.014 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.309 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ250)

$$L = 0.64 \times 4 \times 2 = 5.1 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	6,645	
D19	kg	382	
D22	kg	2,448	
D25	kg	3,495	
D29	kg	8,772	
D32	kg	1,551	
Total	kg	23,293	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

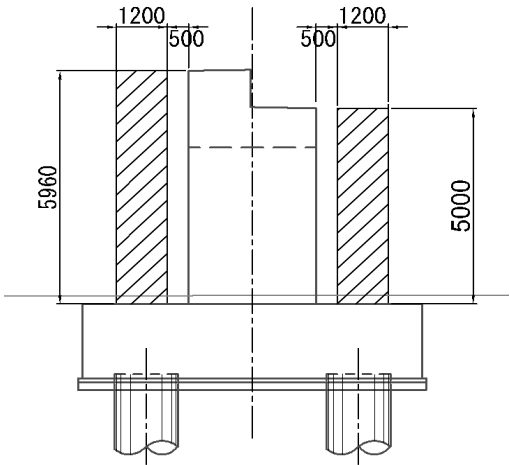
Mean height

Body $H = 5.48 \text{ m}$ Pule cap $HF = 1.90 \text{ m}$

Body $(14.60 + 5.20) \times 5.48 \times 2 = 217.0 \text{ m}^2$

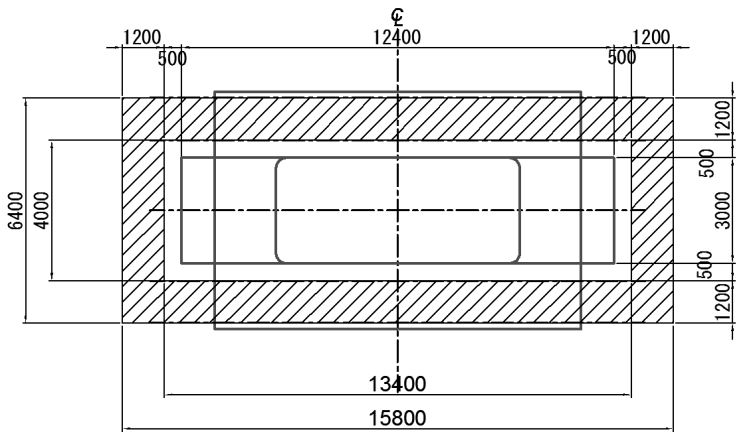
$\Sigma A = 217 \text{ m}^2$

Side view



H	5.5	HF	1.90
B	12.40	B1	14.60
L	3.00	L1	5.20

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$W : \quad 1/2 \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

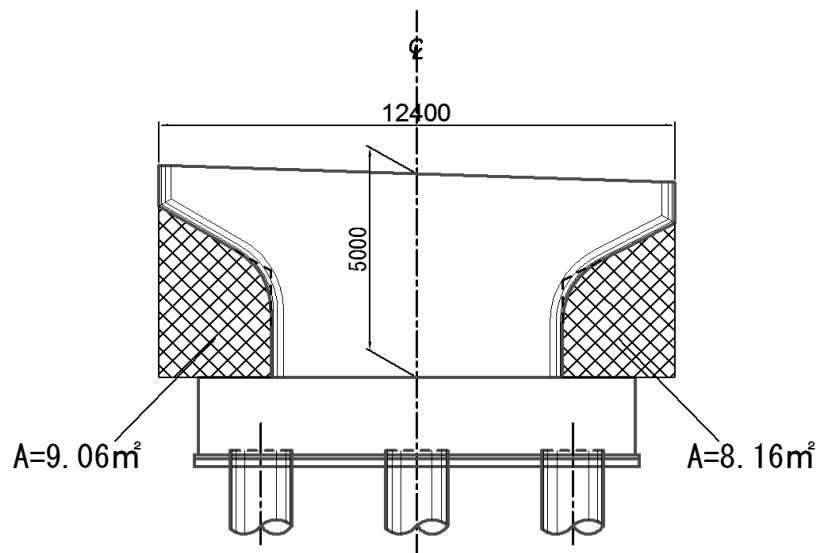
$$\text{Left side } V1 = 9.06 \times 3.00 = 27.2 \text{ m}^3$$

$$\text{Right side } V2 = 8.16 \times 3.00 = 24.5 \text{ m}^3$$

$$\text{R300} \quad (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 2.50) = 0.5 \text{ m}^3$$

$$\Sigma V = 52 \text{ m}^3$$

Thickness of beam; $t = 3.00 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)
Length	41.50	(m)
Total number	6	(No)
Total length	249.0	(m)

Construction base	3.94
Pile head height	2.19
Over break length	1.75

(1)Concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 41.50 = 73.3 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	0	0	—
D19	1941	11646	—
D22	275	1650	—
D25	2111	12666	—
D29	0	0	—
D32	3856	23136	—
D35	0	0	—
Total	8197	49182	0
Flat steel	108	648	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	43.25	43.25
2	0.00	0.00
3	0.00	0.00
Total	43.25	43.25
Weighted average		1.00

(5) Excavation volume (A=1.767 m²)

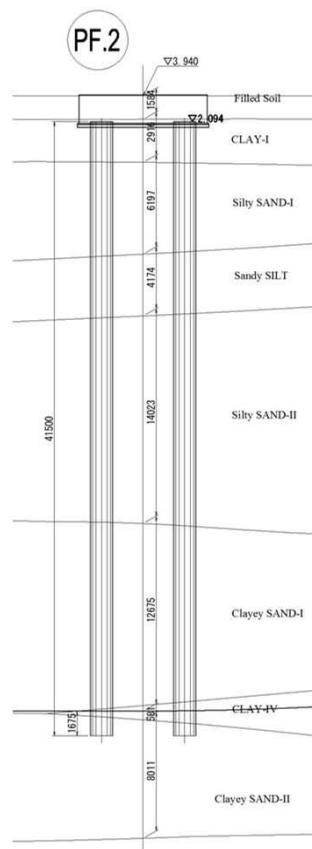
$$V = 1.767 \times 43.25$$

$$= 76.4 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	14.88
Soil N value: 20~Less than 40	26.32
Soil N value: More than 40	2.05
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock-boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	43.25

Soil condition



§5. PF3 Quantity calculation

1.Summary of quantity of PF3 pier

1)Main structure

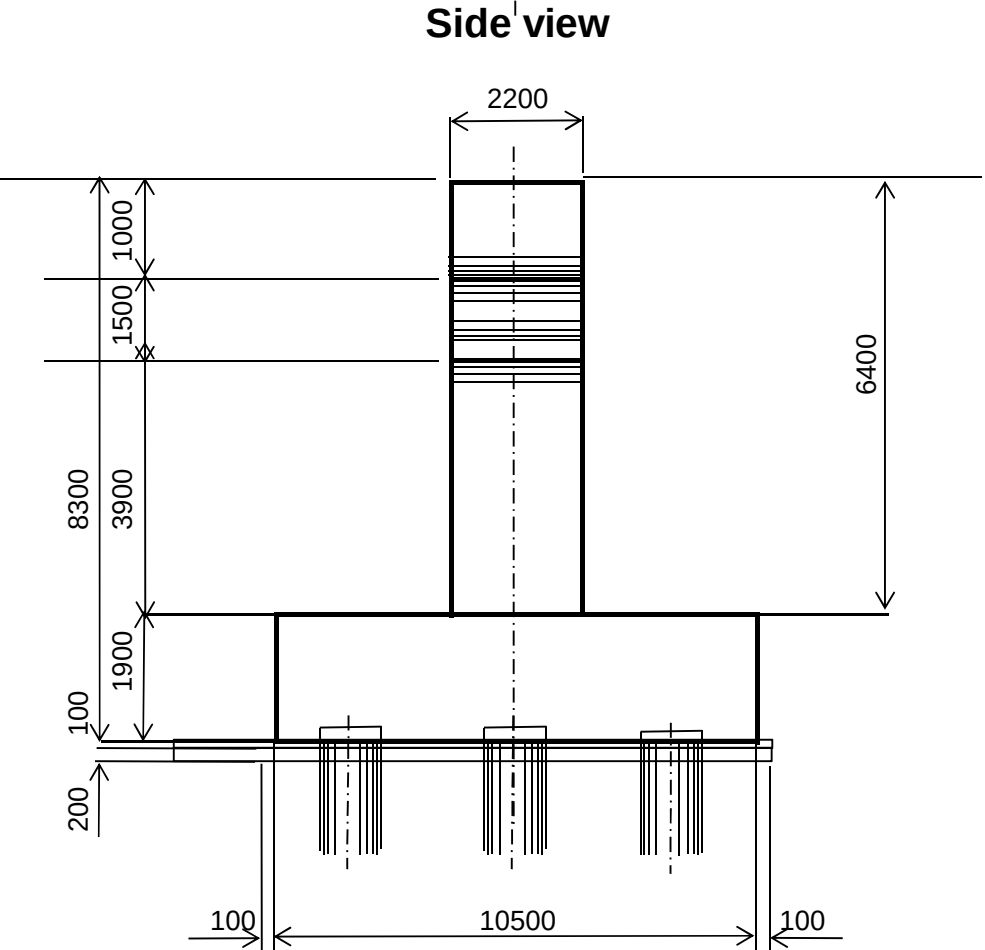
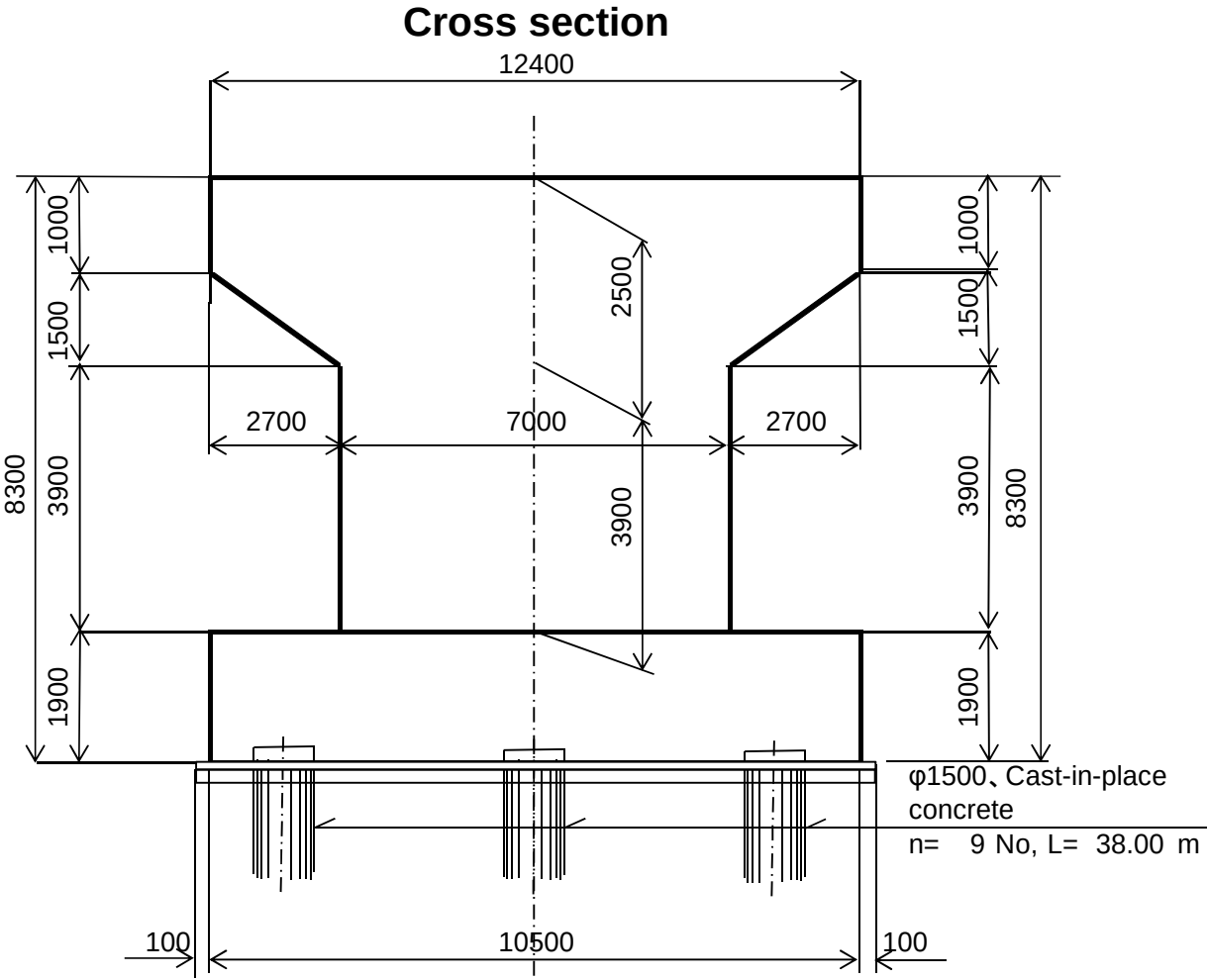
Item	Classification	Specification		Unit	PF3 Pier	Remarks
Earth work	Excavation	Soil		m ³	509.6	
	Backfill	Soil		m ³	250.2	
	Surplus soil treatment	Soil		m ³	231.6	
	Base levelling	-		m ²	98.6	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	330.7	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	79.8	
			Special part	m ²	91.5	Metal form
			Ordinary part	m ²	51.9	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, $t=100\text{mm}$		m ²	98.6	
	Form area	$t=100\text{mm}$		m ²	4.3	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	9.9	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	5.366	
		D19		"	1.555	
		D22		"	0.654	
		D25		"	1.874	
		D29		"	5.483	
		D32		"	19.234	
		Total		"	34.166	
Scaffolding	Prefabricated scaffold	$H \leq 30\text{ m}$	Body	m ²	243	
Blockout	Cylindrical form	$\phi 200$		m	10.2	
		Non-shrinkage mortar		m ³	0.62	
Foundation material	-	RC-40	$t=200$	m ²	98.6	
Timbering	Wedge combination	$H \leq 30\text{ m}$		m ³	55	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF3 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	9	
Design length		m	38.0	
Total length		m	342.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	67.2	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	65.4	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.797	
	D22	"	0.248	
	D25	"	1.475	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	6.446 (0)	
Flat steel	FB50×6	"	0.097	
Excavation length		m	40.8	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	72.1	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	13.0	
	Soil N value: 20~Less than 40	"	25.8	
	Soil N value: More than 40	"	2.1	
	Total	m	40.8	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 42.04 \times 12.50 & = 525.5 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 9 & = -15.9 \text{ m}^3 \\
 & & \hline
 & V1 & = 509.6 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Colum} & v1 = 7.00 \times 2.20 \times 1.01 & = 15.6 \text{ m}^3 \\
 \text{Pile cap} & v2 = 10.50 \times 10.50 \times 1.90 & = 209.5 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 10.70 \times 0.30 & = 34.3 \text{ m}^3 \\
 & & \hline
 & V' & = 259.4 \text{ m}^3 \\
 \\
 & V2 = V1 - V' = 509.6 - 259.4 & = 250.2 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	509.6	250.2	231.6

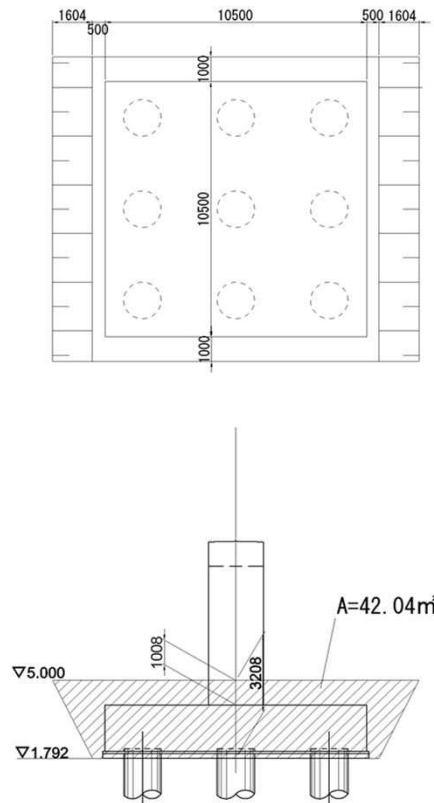
$$= 231.6 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 10.70 - \pi/4 \times 1.50^2 \times 9 & = 98.6 \text{ m}^2 \\
 & & \hline
 & \Sigma A & = 98.6 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	10.50
Pile cap thickness	1.90
Number of pile	9
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 10.70 - \pi/4 \times 1.50^2 \times 9 = 98.6 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 10.70 - \pi/4 \times 1.50^2 \times 9 = 98.6 \text{ m}^2$$

$$\text{Volume } 98.60 \times 0.10 = 9.9 \text{ m}^3$$

2) Form

$$(10.70 + 10.70) \times 0.10 \times 2 = 4.3 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1)	Pile cap	24-8-25							
	Pile cap	10.50	×	10.50	×	1.90		=	209.5 m ³
	Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	9	= -1.6 m ³
	$\Sigma V1$	=							207.9 m ³
2)	Body	24-8-25							
		2.20	×	1.90	×	0.15	×	2	= 1.3 m ³
	Beam	12.40	×	1.00	×	2.20		=	27.3 m ³
	Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	(1.00 + 3.09)	= -0.3 m ³
	Addition for R1700 +	(2	-	$\pi/2$	)×	1.70^2	×	2.20	= 2.7 m ³
	Colum	7.00	×	2.20	×	3.90		=	60.1 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	3.90	= -0.3 m ³
	$\Sigma V2$	=							122.8 m ³

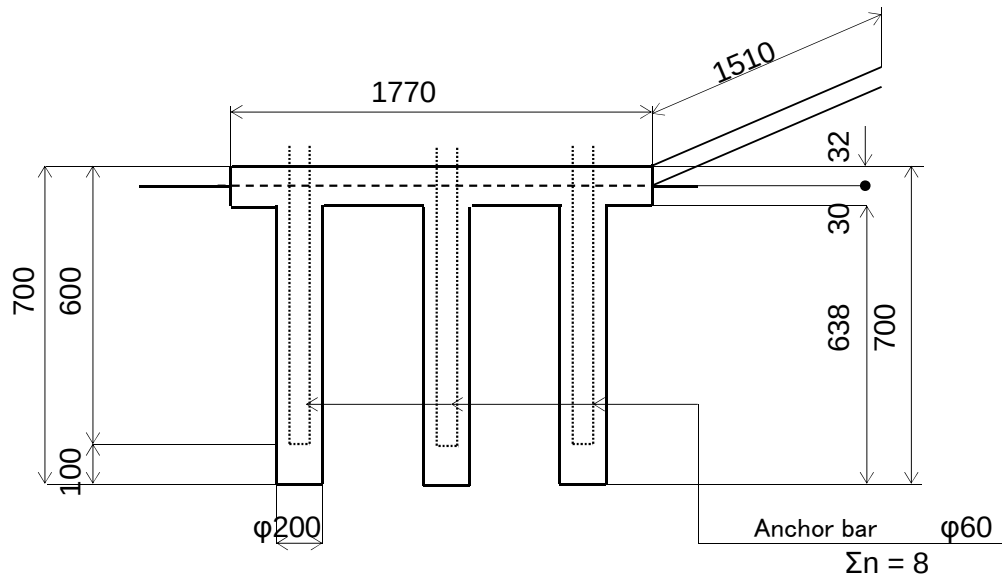
6. Form work (reinforcement structure, $H \leq 30m$)

1)	Pile cap														
	a) Common part														
	Pile cap	(	10.50	+	10.50	)×	1.90	×	2	= 79.8 m ²					
	ΣA1	=	79.8							m ²					
2)	Body														
	b) Metal form for special part														
		(	2.20	+	1.90	)×	0.15	×	2	×	2	= 2.5 m ²			
	Beam	(	11.80	+	1.60	)×	1.00	×	2			= 26.8 m ²			
	Beam	1/2	×	(	11.80	+	6.40	)×	1.50	×	2	= 27.3 m ²			
	Beam(Bottom) √(	2.70 ²	+	1.50 ²	)×	1.60	×	2			= 9.9 m ²				
	Colum	(	6.40	+	1.60	)×	1.00	×	2			= 16.0 m ²			
	Deduction for curve - (	1.000	+	1.000	)×	2	×	1.60			= -6.4 m ²				
	R1700	(	1.808	+	1.808	)×	1	×	1.60			= 5.8 m ²			
	R300	2	×	π	×	0.30	×	(	1.00	+	3.09	+	1.00	)	= 9.6 m ²
	ΣA2	=	91.5							m ²					
	c) Metal form for ordinary part														
	Colum	(	6.40	+	1.60	)×	2.90	×	2			= 46.4 m ²			
	R300	2	×	π	×	0.30	×	2.90			= 5.5 m ²				
	ΣA3	=	51.9							m ²					

7. Bearing work

1) For S-R Anchor 2 Position(G1~G2)
Non-shrinkage mortar $t = 0.032 \text{ m}$

$$\begin{aligned}
 V1 &= 1.77 \times 1.51 \times 0.03 \times 2 &= 0.160 \text{ m}^3 \\
 V2 &= 1.77 \times 1.51 \times 0.03 \times 2 &= 0.160 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.20 \times 0.20 \times 0.64 \times 8 \times 2 &= 0.322 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.060 \times 0.060 \times 0.60 \times 8 \times 2 &= -0.027 \text{ m}^3 \\
 \hline
 \Sigma V1 &= 0.615 \text{ m}^3
 \end{aligned}$$



2) Bearing blo (φ200)

$$L = 0.64 \times 8 \times 2 = 10.2 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	5,366	
D19	kg	1,555	
D22	kg	654	
D25	kg	1,874	
D29	kg	5,483	
D32	kg	19,234	
Total	kg	34,166	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

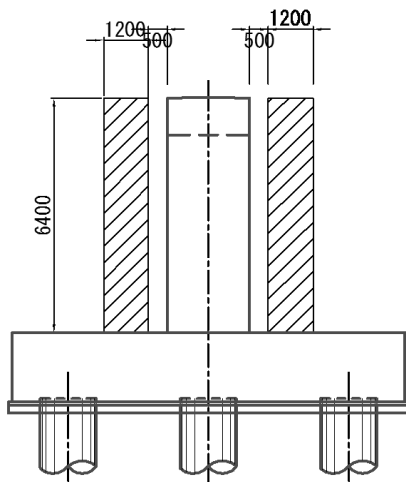
Mean height

Body $H = 6.40 \text{ m}$ Pule cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 6.40 \times 2 = 243.2 \text{ m}^2$

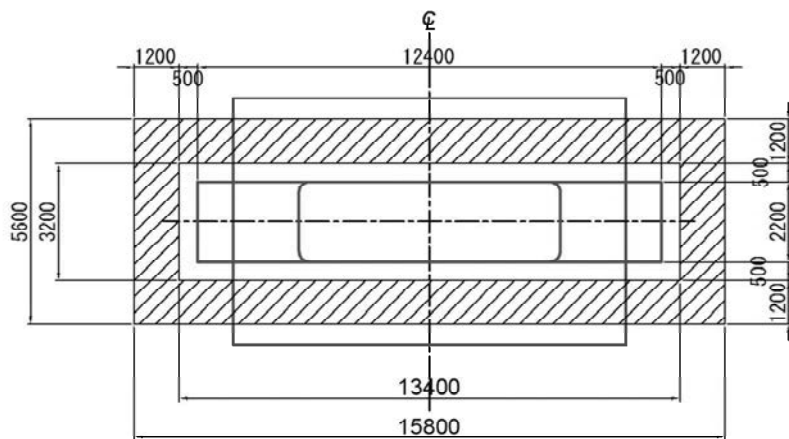
$\Sigma A = 243 \text{ m}^2$

Side view



H	6.4	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering strength } W = \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

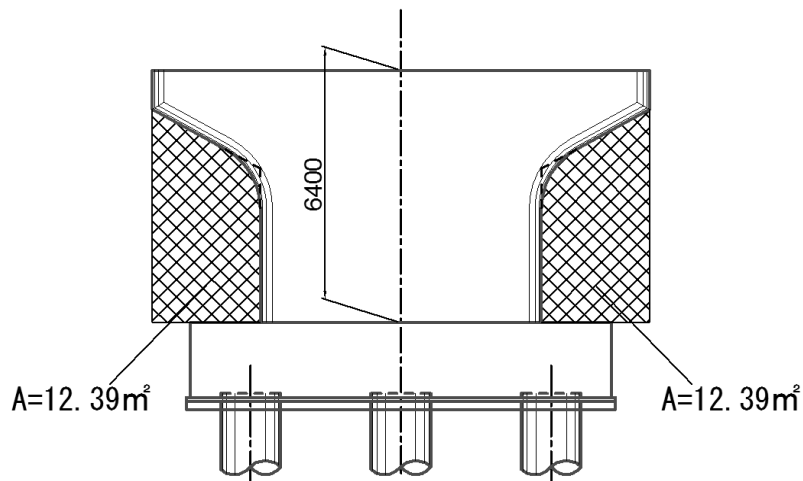
$$\text{Left side } V1 = 12.39 \times 2.20 = 27.3 \text{ m}^3$$

$$\text{Right side } V2 = 12.39 \times 2.20 = 27.3 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 3.90) = 0.6 \text{ m}^3$$

$$\Sigma V = 55 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	5.00
Lemgth	38.00	(m)	Pile head height	2.19
Total number	9	(No)	Over break length	2.81
Total length	342.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 38.00 = 67.2 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (9No)	Flare groove weld position
D13	14	126	—
D16	-----	-----	—
D19	1,797	16,173	—
D22	248	2,232	—
D25	1,475	13,275	—
D29	-----	-----	—
D32	2,912	26,208	—
D35	-----	-----	—
Total	6,446	58,014	—
Flat steel	97	873	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel・clay・sand	1.00
2	Rock・cobble stone・soft rock	1.80
3	Hard rock・medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	40.81	40.81
2	0.00	0.00
3	0.00	0.00
Total	40.81	40.81
Weighted average		1.00

(5) Excavation volume (A=1.767 m²)

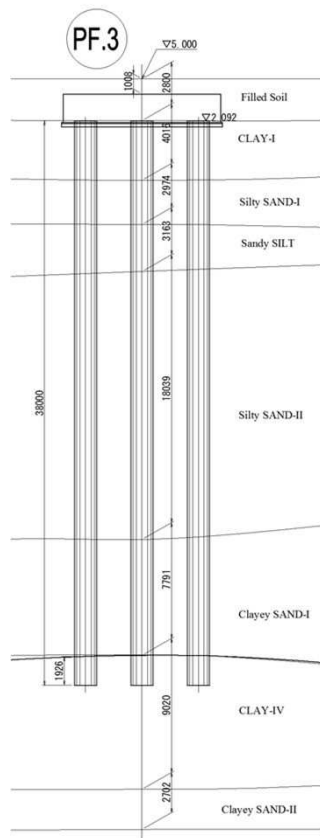
$$V = 1.767 \times 40.81$$

$$= 72.1 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	12.96
Soil N value: 20~Less than 40	25.80
Soil N value: More than 40	2.05
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	40.81

Soil condition



§6. PF4 Quantity calculation

1.Summary of quantity of PF4 pier

1)Main structure

Item	Classification	Specification		Unit	PF4 Pier	Remarks
Earth work	Excavation	Soil		m ³	367.7	
	Backfill	Soil		m ³	194.8	
	Surplus soil treatment	Soil		m ³	151.3	
	Base levelling	-		m ²	63.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	279.4	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	65.6	
			Special part	m ²	91.5	Metal form
			Ordinary part	m ²	78.7	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, $t = 100\text{mm}$		m ²	63.8	
	Form area	$t = 100\text{mm}$		m ²	3.5	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	6.4	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	6.008	
		D19		"	3.078	
		D22		"	0.654	
		D25		"	-----	
		D29		"	-----	
		D32		"	9.382	
		Total		"	19.122	
Scaffolding	Prefabricated scaffold	$H \leq 30\text{ m}$	Body	m ²	300	
Blockout	Cylindrical form	$\phi 200$		m	10.20	
		Non-shrinkage mortar		m ³	0.62	
Foundation material	-	RC-40	$t = 200$	m ²	63.8	
Timbering	Wedge combination	$H \leq 30\text{ m}$		m ³	73	

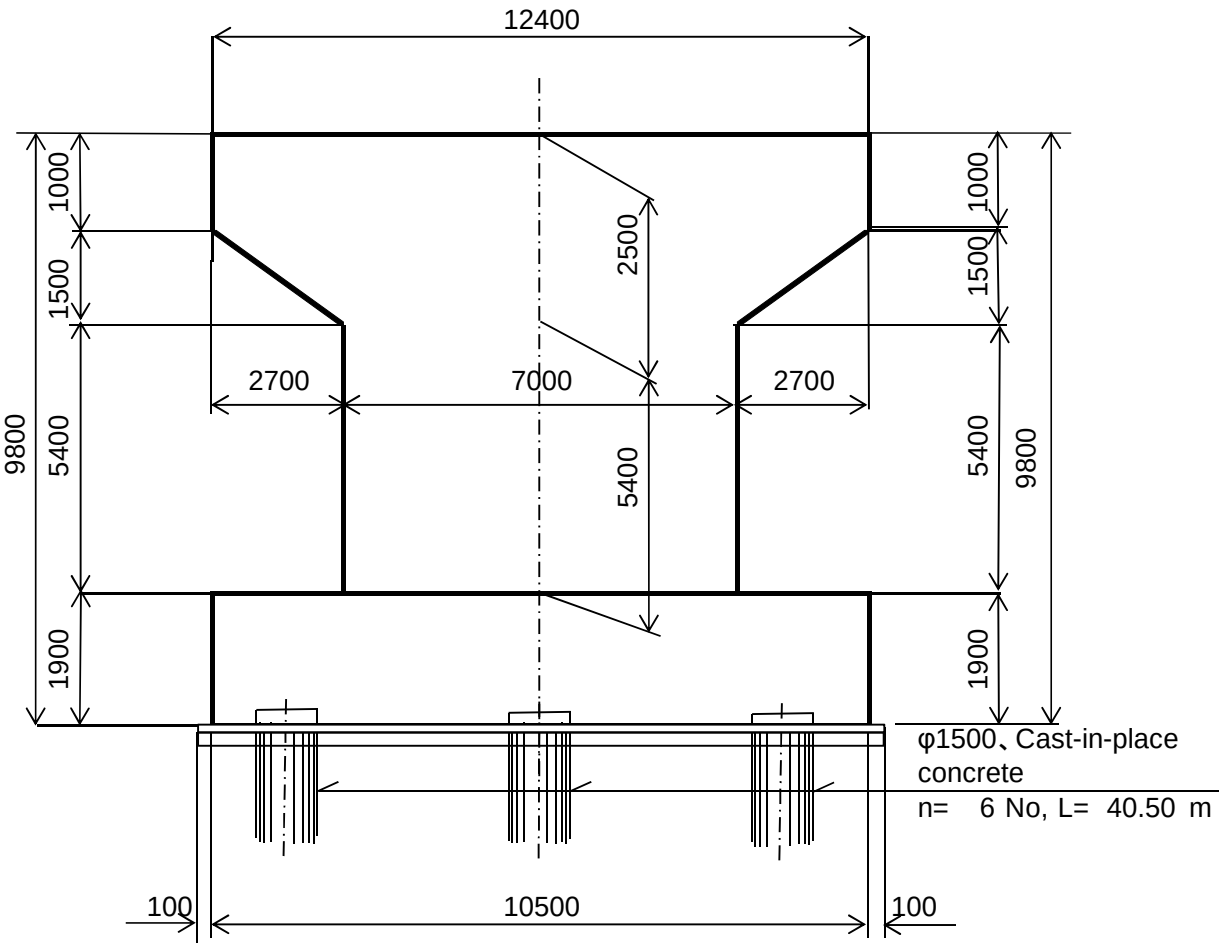
2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF4 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	40.5	
Total length		m	243.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	71.6	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	69.8	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.893	
	D22	"	0.275	
	D25	"	1.614	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	6.708 (0)	
Flat steel	FB50×6	"	0.108	
Excavation length		m	43.3	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	76.6	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	12.0	
	Soil N value: 20~Less than 40	"	29.5	
	Soil N value: More than 40	"	1.9	
	Total	m	43.3	

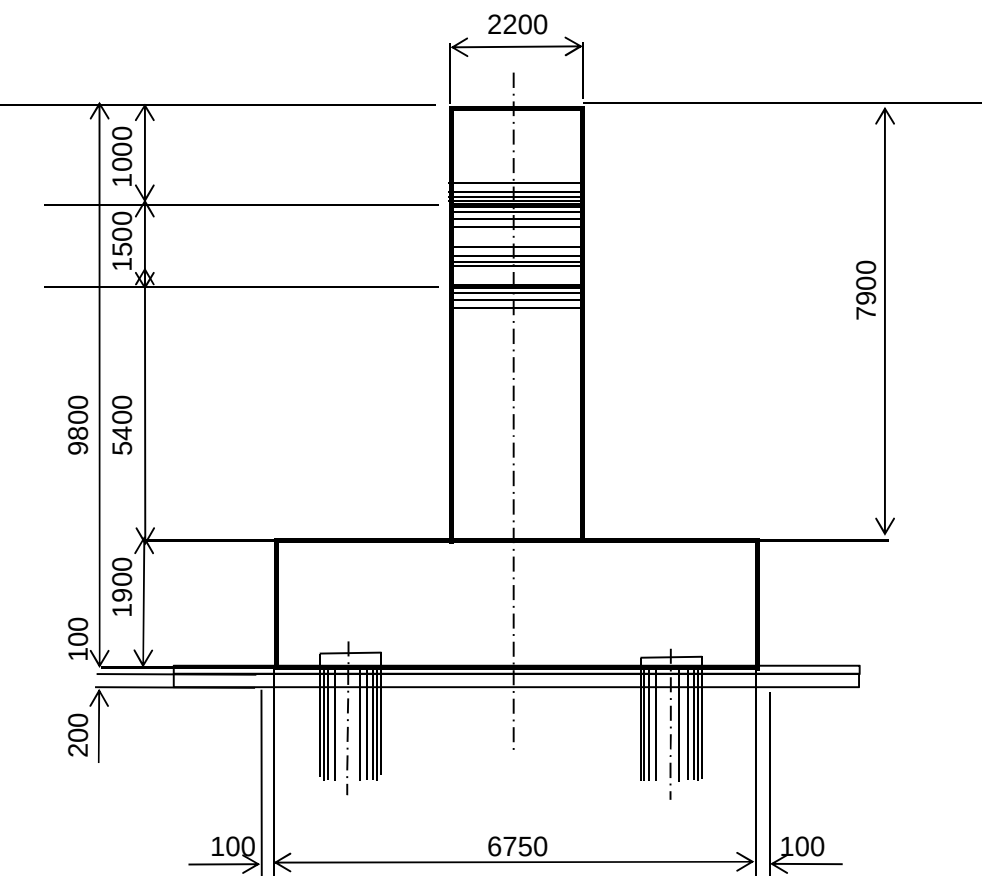
※() Is flare groove weld position

2.Dimension

Cross section



Side view



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rclclclclcl}
 \text{Volume of pile} & v1 & = & 30.26 & \times & 12.50 & & & = & 378.3 \text{ m}^3 \\
 \text{(deducting)} & v2 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 6 \\
 & & & & & & & & & = -10.6 \text{ m}^3 \\
 & & & & & & & & & \hline
 & V1 & = & 367.7 & \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rclclclclcl}
 \text{Deduction} & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 2.20 & \times & 1.03 & = & 15.9 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 10.50 & \times & 6.75 & \times & 1.90 & = & 134.7 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 10.70 & \times & 6.95 & \times & 0.30 & = & 22.3 \text{ m}^3 \\
 & & & & & & & & & \hline
 & V' & = & 172.9 & \text{ m}^3 \\
 \\
 V2 & = & V1 - V' & = & 367.7 & - & 172.9 & = & 194.8 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	367.7	194.8	151.3

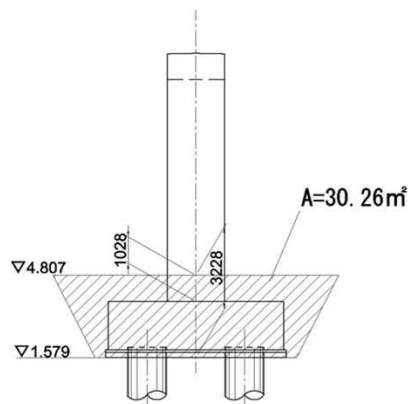
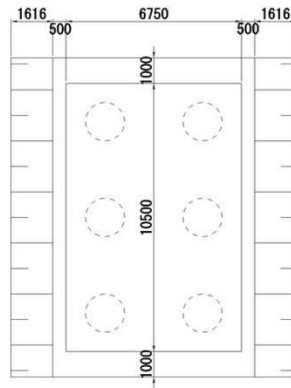
$$= 151.3 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rclclclclcl}
 A & = & 10.70 & \times & 6.95 & - & \pi/4 & \times & 1.50^2 & \times & 6 \\
 & & & & & & & & & & = 63.8 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & \Sigma A & = & 63.8 & \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 = 63.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete	18-8-40		
Area	$10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6$	=	63.8 m^2
Volume	63.80×0.10	=	6.4 m^3
2) Form			
	$(10.70 + 6.95) \times 0.10 \times 2$	=	3.5 m^2

5. Concrete volume (reinforcement structure)

1)	Pile cap	24-8-25							
	Pile cap	10.50	×	6.75	×	1.90		=	134.7 m ³
	Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	6	= -1.1 m ³
	$\Sigma V1$	=							133.6 m ³
2)	Body	24-8-25							
		2.20	×	1.90	×	0.15	×	2	= 1.3 m ³
	Beam	12.40	×	1.00	×	2.20		=	27.3 m ³
	Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	(1.00 + 3.09)	= -0.3 m ³
	Addition for R1700 +	(2	-	$\pi/2$	)×	1.70^2	×	2.20	= 2.7 m ³
	Colum	7.00	×	2.20	×	5.40		=	83.2 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	5.40	= -0.4 m ³
	$\Sigma V2$	=							145.8 m ³

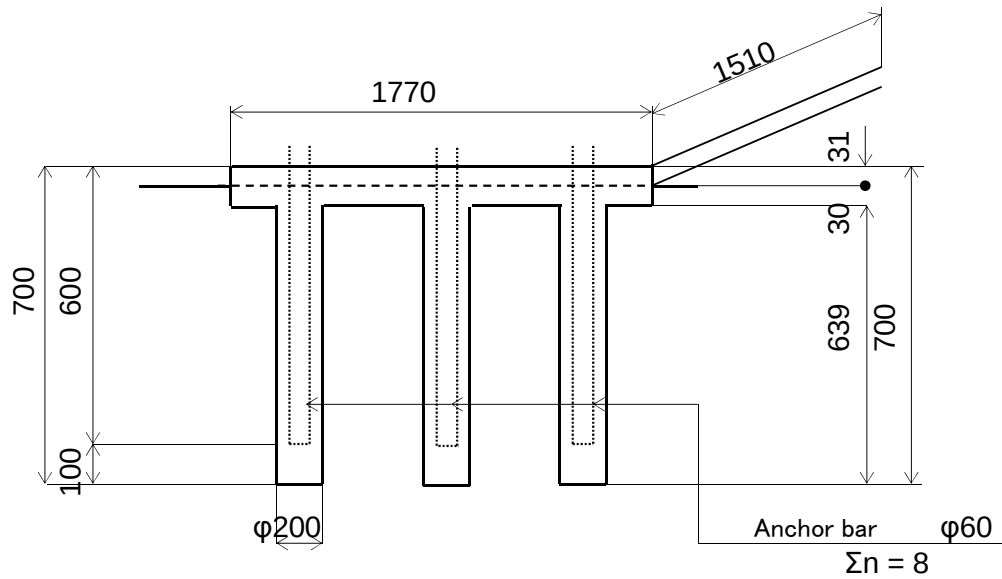
6. Form work (reinforcement structure, $H \leq 30m$)

1)	Pile cap													
	a) Common part													
	Pile cap (	10.50	+	6.75	)×	1.90	×	2	=	65.6 m ²				
	ΣA1	=								65.6 m ²				
2)	Body													
	b) Metal form for special part													
		(2.20	+	1.90	)×	0.15	×	2	×	2	=	2.5 m ²		
	Beam	(11.80	+	1.60	)×	1.00	×	2		=	26.8 m ²			
	Beam	1/2	×	(11.80	+	6.40	)×	1.50	×	2	=	27.3 m ²		
	Beam (Bottom) √(	2.70 ²	+	1.50 ²	)×	1.60	×	2		=	9.9 m ²			
	Colum (	6.40	+	1.60	)×	1.00	×	2		=	16.0 m ²			
	Deduction for curve - (	1.000	+	1.000	)×	2	×	1.60		=	-6.4 m ²			
	R1700 (	1.808	+	1.808	)×	1	×	1.60		=	5.8 m ²			
	R300	2	×	π	×	0.30	×	(1.00	+	3.09	+	1.00)	=	9.6 m ²
	ΣA2	=	91.5 m ²											
	c) Metal form for ordinary part													
	Colum (	6.40	+	1.60	)×	4.40	×	2		=	70.4 m ²			
	R300	2	×	π	×	0.30	×	4.40		=	8.3 m ²			
	ΣA3	=	78.7 m ²											

7. Bearing work

1) For S-R Anchor 2 Position(G1~G2)
Non-shrinkage mortar $t = 0.031 \text{ m}$

$$\begin{aligned}
 V1 &= 1.77 \times 1.51 \times 0.03 \times 2 &= 0.160 \text{ m}^3 \\
 V2 &= 1.77 \times 1.51 \times 0.03 \times 2 &= 0.160 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.20 \times 0.20 \times 0.64 \times 8 \times 2 &= 0.322 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.060 \times 0.060 \times 0.60 \times 8 \times 2 &= -0.027 \text{ m}^3 \\
 \hline
 \Sigma V1 &= 0.615 \text{ m}^3
 \end{aligned}$$



2) Bearing blo ($\phi 200$)

$$L = 0.64 \times 8 \times 2 = 10.2 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	6,008	
D19	kg	3,078	
D22	kg	654	
D25	kg	-----	
D29	kg	-----	
D32	kg	9,382	
Total	kg	19,122	

9. Scaffolding

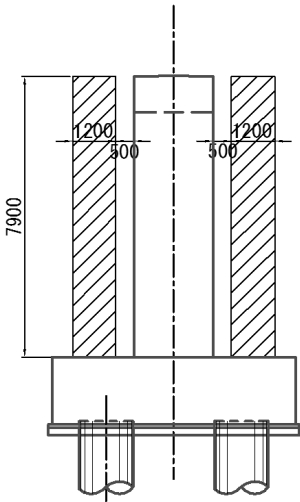
Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

Mean height
Body H = 7.90 m Pule cap HF = 1.90 m

Body (14.60 + 4.40)× 7.90 × 2 = 300.2 m²

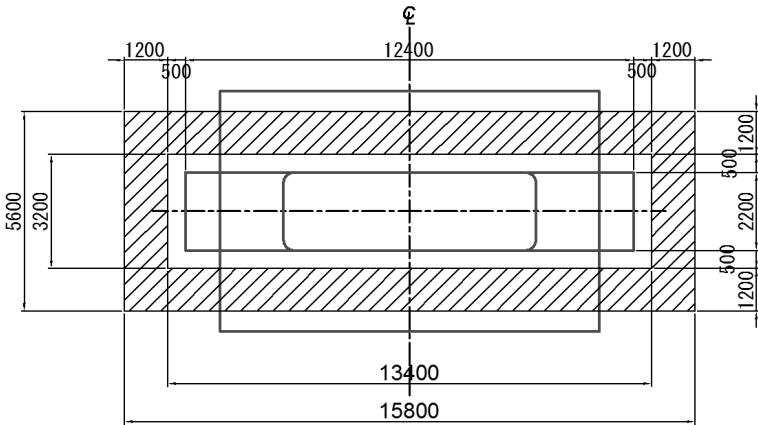
$\Sigma A = 300 \text{ m}^2$

Side view



H	7.9	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

$$\text{Timbering W : } \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$\therefore W \leq 80 \text{ kN/m}^2$

$$\Sigma V = 73 \text{ m}^3$$

11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.81
Lemgth	40.50	(m)	Pile head height	1.98
Total number	6	(No)	Over break length	2.83
Total length	243.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 40.50 = 71.6 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,893	11,358	—
D22	275	1,650	—
D25	1,614	9,684	—
D29	-----	-----	—
D32	2,912	17,472	—
D35	-----	-----	—
Total	6,708	40,248	—
Flat steel	108	648	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel·clay·sand	1.00
2	Rock·cobble stone·soft rock	1.80
3	Hard rock·medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	43.33	43.33
2	0.00	0.00
3	0.00	0.00
Total	43.33	43.33
Weighted average		1.00

(5) Excavation volume (A=1.767m²)

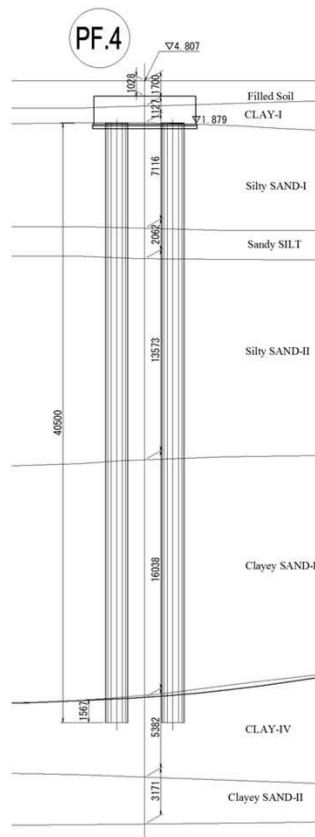
$$V = 1.767 \times 43.33$$

$$= 76.6 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	12.01
Soil N value: 20~Less than 40	29.46
Soil N value: More than 40	1.86
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	43.33

Soil condition



§7. PF5 Quantity calculation

1 .Summary of quantity of PF5 pier

1)Main structure

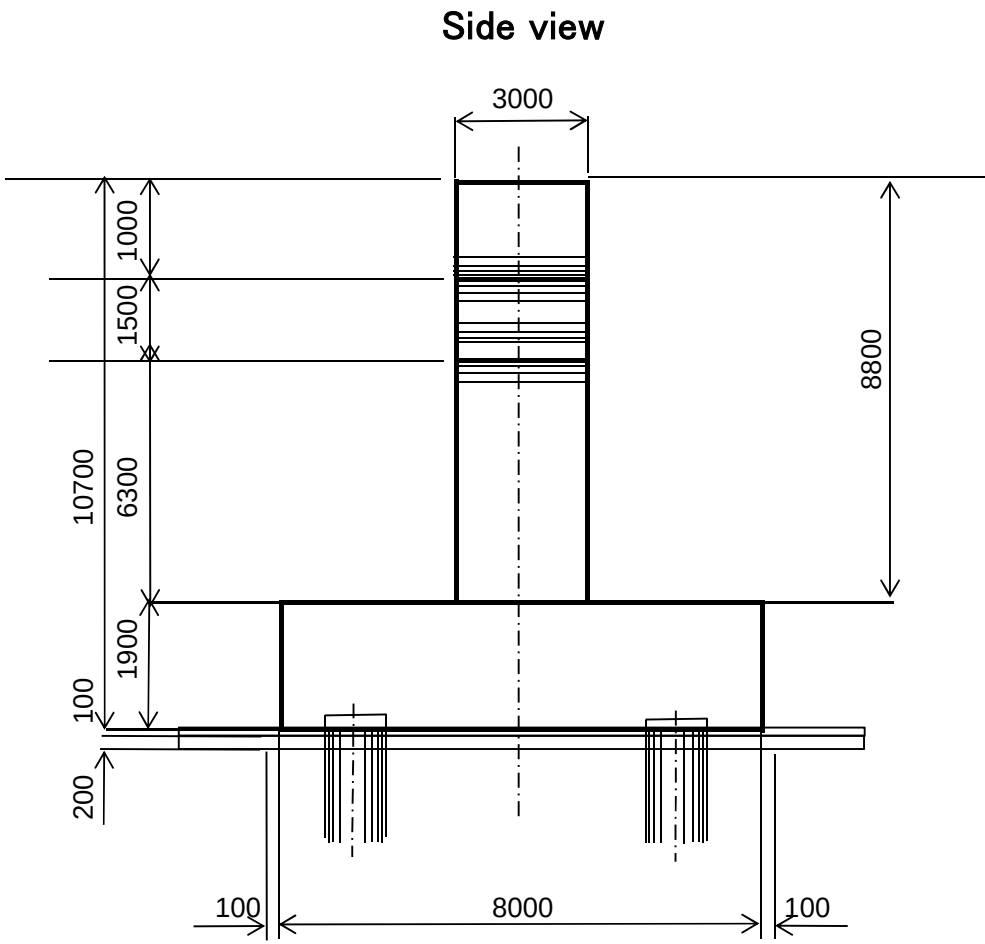
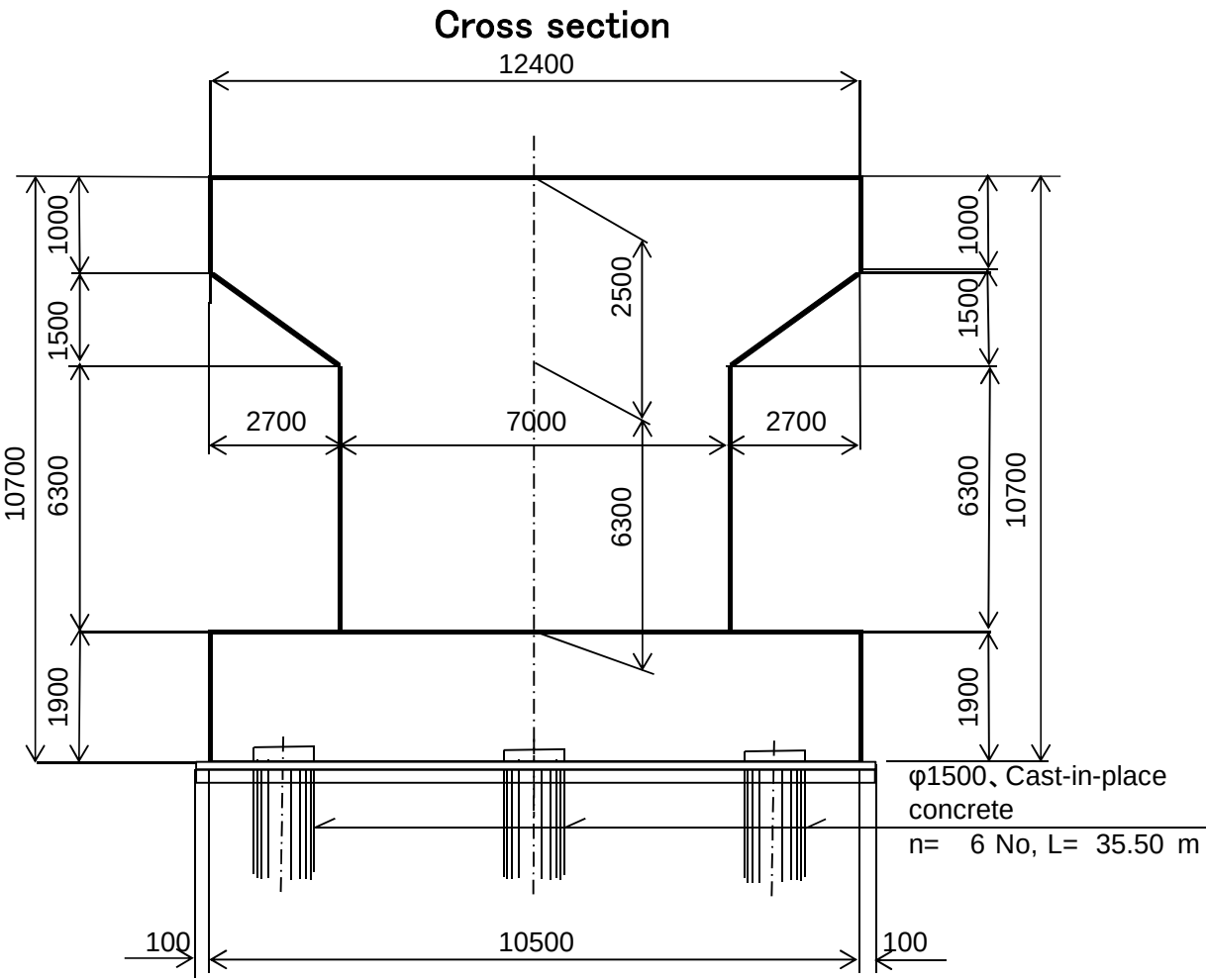
Item	Classification	Specification		Unit	PF5 Pier	Remarks
Earth work	Excavation	Soil		m ³	423.5	
	Backfill	Soil		m ³	215.1	
	Surplus soil treatment	Soil		m ³	184.5	
	Base levelling	-		m ²	77.1	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	392.6	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	70.3	
			Special part	m ²	125.6	Metal form
			Ordinary part	m ²	103.3	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	77.1	
	Form area	t = 100mm		m ²	3.8	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	7.7	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	8.903	
		D19		"	1.182	
		D22		"	2.478	
		D25		"	-----	
		D29		"	4.222	
		D32		"	18.595	
		Total		"	35.380	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	368	
Blockout	Cylindrical form	φ200		m	5.1	
		φ250		m	5.1	
		Non-shrinkage mortar		m ³	0.64	
Foundation material	-	RC-40	t = 200	m ²	77.1	
Timbering	Wedge combination	H ≤ 30 m		m ³	114	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF5 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	35.5	
Total length		m	213.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	62.7	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	60.9	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.698	
	D22	"	0.234	
	D25	"	1.600	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	7.402 (0)	
Flat steel	FB50×6	"	0.092	
Excavation length		m	38.4	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	67.8	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.8	
	Soil N value: 20~Less than 40	"	23.7	
	Soil N value: More than 40	"	2.9	
	Total	m	38.4	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rclclclclcl}
 \text{Volume of pile} & v1 & = & 34.73 & \times & 12.50 & & & = & 434.1 \text{ m}^3 \\
 \text{(deducting)} & v2 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 6 \\
 & & & & & & & & & = -10.6 \text{ m}^3 \\
 & & & & & & & & & \hline
 & V1 & = & 423.5 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rclclclclcl}
 \text{Deduction} & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 3.00 & \times & 1.07 & = & 22.5 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 10.50 & \times & 8.00 & \times & 1.90 & = & 159.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 10.70 & \times & 8.20 & \times & 0.30 & = & 26.3 \text{ m}^3 \\
 & & & & & & & & & \hline
 & V' & = & 208.4 \text{ m}^3 \\
 \\
 V2 & = & V1 - V' & = & 423.5 & - & 208.4 & = & 215.1 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	423.5	215.1	184.5

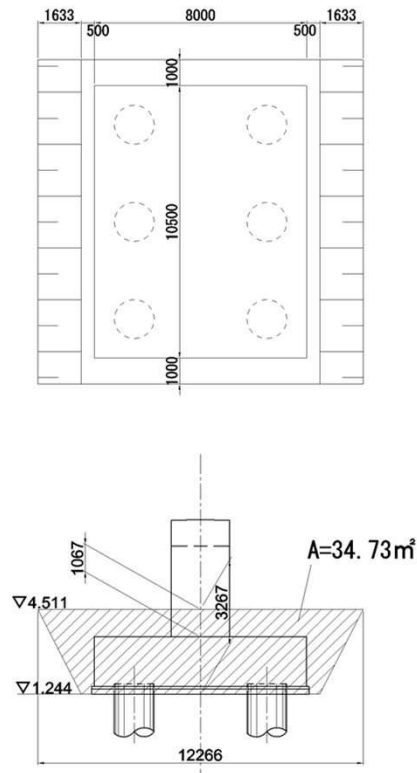
$$= 184.5 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rclclclclcl}
 A & = & 10.70 & \times & 8.20 & - & \pi/4 & \times & 1.50^2 & \times & 6 \\
 & & & & & & & & & & = 77.1 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & \Sigma A & = & 77.1 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	3.00
Pile cap width	10.50
Pile cap depth	8.00
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 8.20 - \pi/4 \times 1.50^2 \times 6 = 77.1 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete

$$\text{Area} \quad 10.70 \times 8.20 - \pi/4 \times 1.50^2 \times 6 = 77.1 \text{ m}^2$$

$$\text{Volume} \quad 77.10 \times 0.10 = 7.7 \text{ m}^3$$

2) Form

$$(10.70 + 8.20) \times 0.10 \times 2 = 3.8 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap

Pile cap	10.50	×	8.00	×	1.90	=	159.6	m ³
Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	6	= -1.1 m ³

$\Sigma V1 = 158.5 \text{ m}^3$

2) Body

		1.80	×	1.50	×	0.15	=	0.4	m ³						
		1.80	×	1.50	×	0.18	=	0.5	m ³						
Beam		12.40	×	0.95	×	1.45	=	17.1	m ³						
Beam		12.40	×	1.00	×	3.00	=	37.2	m ³						
Beam	1/2	×(12.40 + 7.00)					×	1.50	×	3.00	=	43.7	m ³		
Deduction for R300	-	(4	-	π	)	×	0.30 ²	×	(1.00 + 3.09)	=	-0.3	m ³			
Deduction for R300	-	((4	-	π	)	×	0.30 ²	×	0.95	)	×	0.50	=	0.0	m ³
Addition for R1700	+	(2	-	π/2	)	×	1.70 ²	×	3.00	=	3.7	m ³			

Colum	7.00	×	3.00	×	6.30	=	132.3	m ³			
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	6.30	=	-0.5	m ³

$\Sigma V2 = 234.1 \text{ m}^3$

6. Form work (reinforcement structure, $H \leq 30\text{m}$)

1) Pile cap

a) Common part

Pile cap (	10.50	+	8.00	)	×	1.90	×	2	=	70.3 m ²

$\Sigma A1 = 70.3 \text{ m}^2$

2) Pile cap

b) Common part

	(1.80	+	1.50	)	×	0.15	×	2	=	1.0 m ²			
	(1.80	+	1.50	)	×	0.18	×	2	=	1.2 m ²			
Beam	(11.80	+	1.45	×	2	+	12.40	)	×	0.95	=	25.7 m ²	
Beam	(11.80	+	2.40	)	×	1.00	×	2	=	28.4 m ²			
Beam	1/2	×	(11.80	+	6.40	)	×	1.50	×	2	=	27.3 m ²	
Beam(Bottom) √(	2.70 ²	+	1.50 ²	)	×	2.40	×	2	=	14.8 m ²			
Colum (	6.40	+	2.40	)	×	1.00	×	2	=	17.6 m ²			
Deduction for curve -(	1.000	+	1.000	)	×	2	×	2.40	=	-9.6 m ²			
R1700 (	1.808	+	1.808	)	×	1	×	2.40	=	8.7 m ²			
R300	2	×	π	×	0.30	×	(1.00	+	3.09	+	1.00)	=	9.6 m ²
			π	×	0.30	×	0.95	=	0.9 m ²				

$\Sigma A2 = 125.6 \text{ m}^2$

c) Metal form for ordinary part

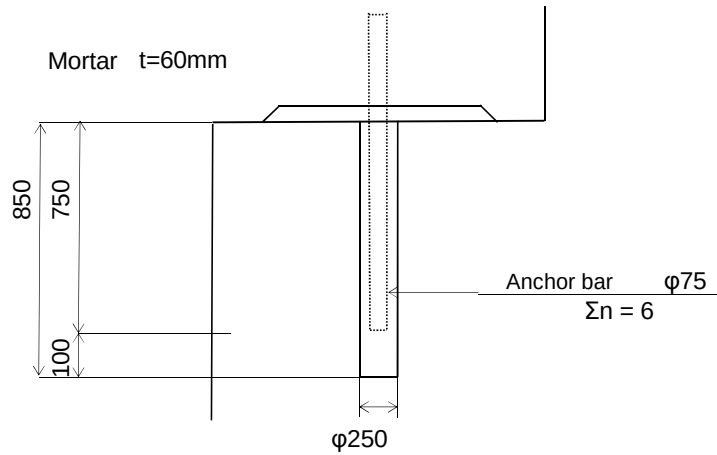
Colum (	6.40	+	2.40	)	×	5.30	×	2	=	93.3 m ²
R300	2	×	π	×	0.30	×	5.30		=	10.0 m ²

$\Sigma A3 = 103.3 \text{ m}^2$

7. Bearing work

- 1) For S-R Anchor 6 Position
Non-shrinkage mortar $t = 0.060$ m

$$\begin{aligned}
 A1 &= 1/2 \times (0.62 + 0.74) \times 1/2 \times (0.57 + 0.69) = 0.428 \text{ m}^2 \\
 V1 &= 0.43 \times 0.06 \times 4 = 0.103 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.25^2 \times 0.85 \times 6 = 0.250 \text{ m}^3 \\
 &\quad - \pi/4 \times 0.075^2 \times 0.75 \times 6 = -0.020 \text{ m}^3 \\
 \hline
 \text{計} &= 0.333 \text{ m}^3
 \end{aligned}$$

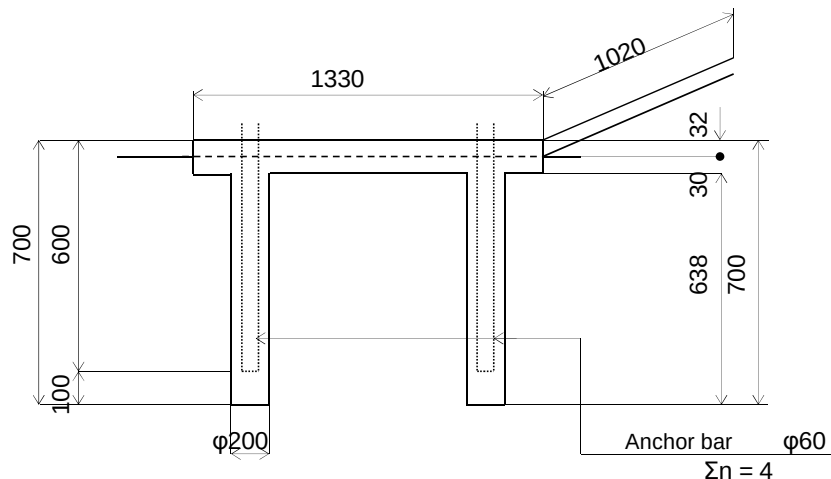


Bearing blockout (φ250)

$$L = 0.85 \times 6 = 5.1 \text{ m}$$

- 2) For S-L Anchor 2 Position(G1~G2)
Non-shrinkage mortar $t = 0.032$ m

$$\begin{aligned}
 V1 &= 1.33 \times 1.02 \times 0.03 \times 2 = 0.081 \text{ m}^3 \\
 V2 &= 1.33 \times 1.02 \times 0.03 \times 2 = 0.081 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.20 \times 0.20 \times 0.64 \times 4 \times 2 = 0.161 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.060 \times 0.060 \times 0.60 \times 4 \times 2 = -0.014 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.309 \text{ m}^3
 \end{aligned}$$



Bearing block (φ200)

$$L = 0.64 \times 4 \times 2 = 5.1 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	8,903	
D19	kg	1,182	
D22	kg	2,478	
D25	kg	-----	
D29	kg	4,222	
D32	kg	18,595	
Total	kg	35,380	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

Mean height

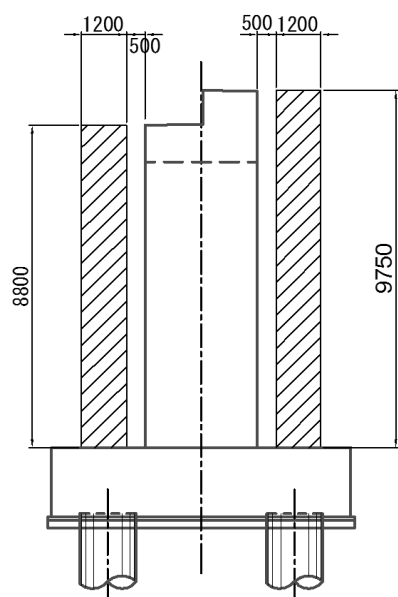
Body H = 9.28 m

Pule cap HF = 1.90 m

Body (14.60 + 5.20)× 9.28 × 2 = 367.5 m²

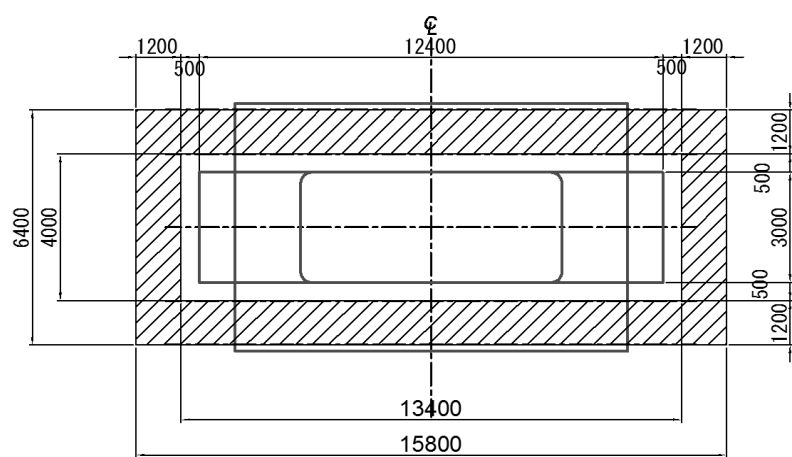
ΣA = 368 m²

Side view



H	9.28	HF	1.90
B	12.40	B1	14.60
L	3.00	L1	5.20

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering W : strength} = \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

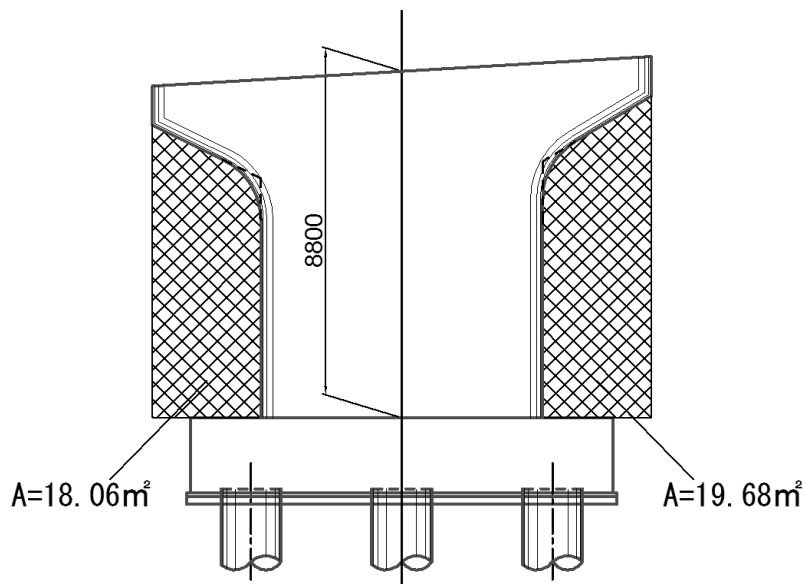
$$\text{Left side } V1 = 18.06 \times 3.00 = 54.2 \text{ m}^3$$

$$\text{Right side } V2 = 19.68 \times 3.00 = 59.0 \text{ m}^3$$

$$\text{R300} = (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 6.30) = 0.8 \text{ m}^3$$

$$\Sigma V = 114 \text{ m}^3$$

Thickness of beam; $t = 3.00 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.51
Length	35.50	(m)	Pile head height	1.64
Total number	6	(No)	Over break length	2.87
Total length	213.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 35.50 = 62.7 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	0	0	—
D19	1698	10188	—
D22	234	1404	—
D25	1600	9600	—
D29	0	0	—
D32	3856	23136	—
D35	0	0	—
Total	7402	44412	0
Flat steel	92	552	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel • clay • sand	1.00
2	Rock • cobble stone • soft rock	1.80
3	Hard rock • medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient × excavation length
1	38.37	38.37
2	0.00	0.00
3	0.00	0.00
Total	38.37	38.37
Weighted average		1.00

(5) Excavation volume (A = 1.767 m²)

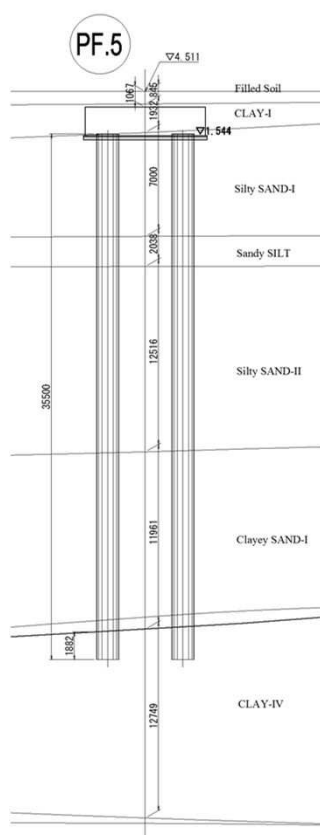
$$V = 1.767 \times 38.37$$

$$= 67.8 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.82
Soil N value: 20~Less than 40	23.67
Soil N value: More than 40	2.89
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	38.37

Soil condition



§8. PF6 Quantity calculation

1 .Summary of quantity of PF6 pier

1)Main structure

Item	Classification	Specification		Unit	PF6 Pier	Remarks
Earth work	Excavation	Soil		m ³	365.2	
	Backfill	Soil		m ³	192.6	
	Surplus soil treatment	Soil		m ³	151.2	
	Base levelling	-		m ²	63.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	310.2	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	65.6	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	116.3	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	63.8	
	Form area	t = 100mm		m ²	3.5	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	6.4	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	6.917	
		D19		"	1.523	
		D22		"	4.667	
		D25		"	-----	
		D29		"	13.384	
		D32		"	5.061	
		Total		"	31.552	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	380	
Blockout	Cylindrical form	φ200		m	5.2	
		Non-shrinkage mortar		m ³	0.44	
Foundation material	-	RC-40	t = 200	m ²	63.8	
Timbering	Wedge combination	H ≤ 30 m		m ³	98	

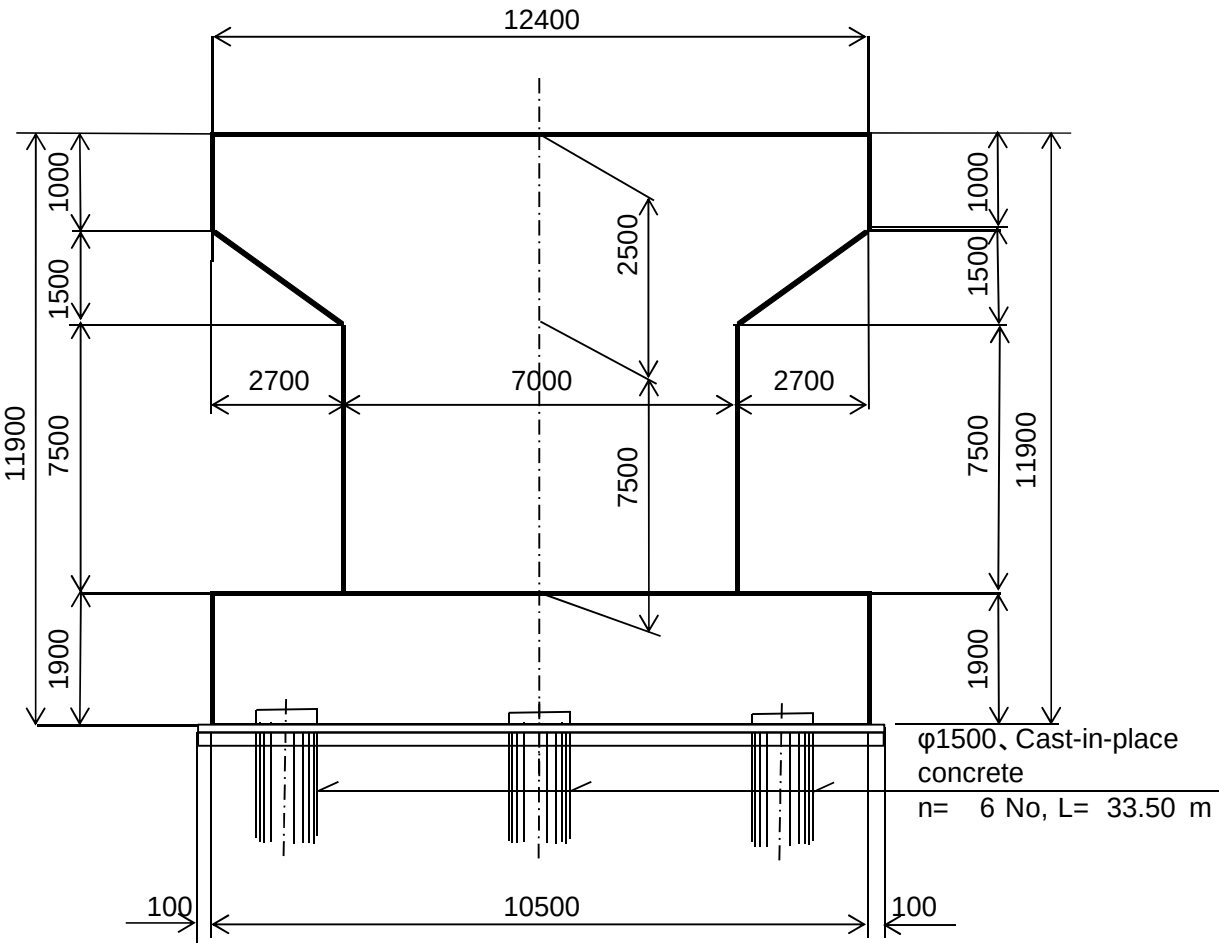
2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF6 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	33.5	
Total length		m	201.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}\sigma_{ck}=30\text{N/mm}^2$)	m^3	59.2	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}\sigma_{ck}=40\text{N/mm}^2$)	m^3	57.4	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.625	
	D22	"	0.220	
	D25	"	1.457	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	7.172 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	36.3	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	64.2	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.6	
	Soil N value: 20~Less than 40	"	23.1	
	Soil N value: More than 40	"	1.6	
	Total	m	36.3	

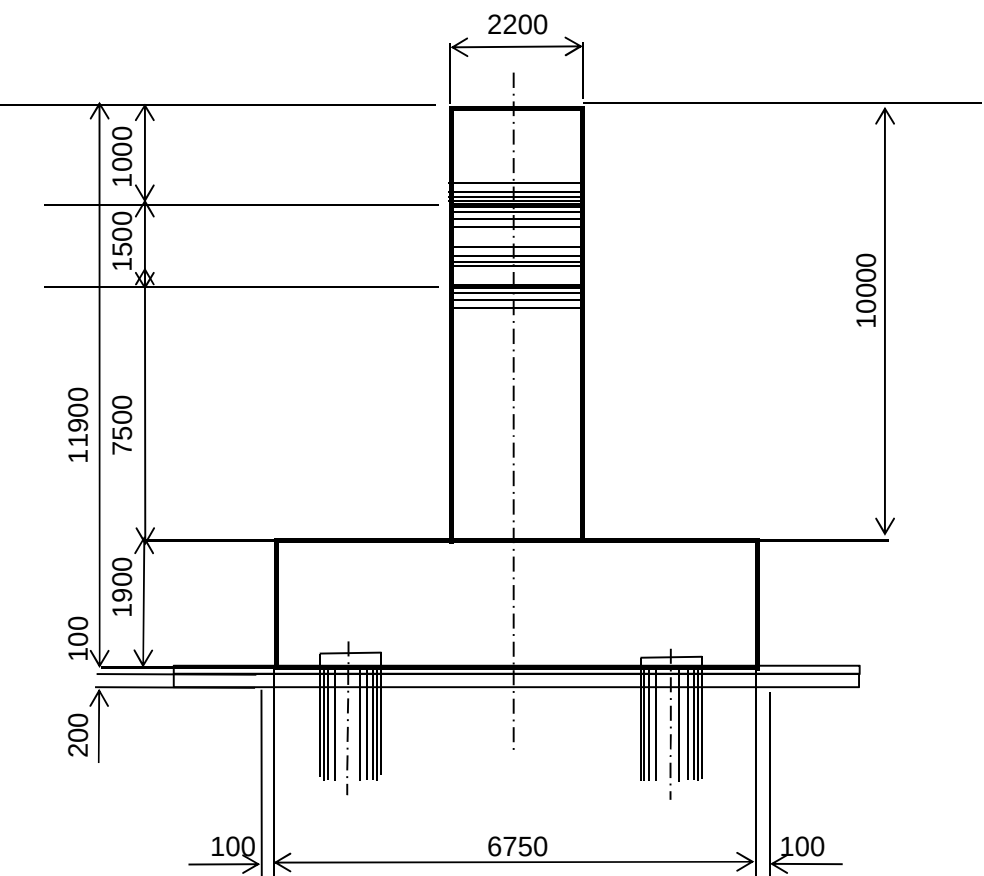
※() Is flare groove weld position

2.Dimension

Cross section



Side view



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 30.06 \times 12.50 & = 375.8 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & \hline
 & V1 & = 365.2 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Colum} & v1 = 7.00 \times 2.20 \times 1.01 & = 15.6 \text{ m}^3 \\
 \text{Pile cap} & v2 = 10.50 \times 6.75 \times 1.90 & = 134.7 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 6.95 \times 0.30 & = 22.3 \text{ m}^3 \\
 & \hline
 & V' & = 172.6 \text{ m}^3 \\
 \\
 V2 & = V1 - V' = 365.2 - 172.6 & = 192.6 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	365.2	192.6	151.2

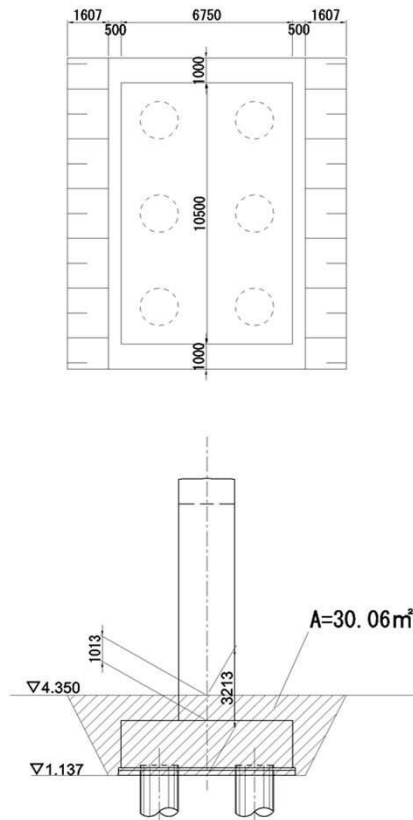
$$= 151.2 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 & = 63.8 \text{ m}^2 \\
 & \hline
 \Sigma A & = & 63.8 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 = 63.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 = 63.8 \text{ m}^2$$

$$\text{Volume } 63.80 \times 0.10 = 6.4 \text{ m}^3$$

2) Form

$$(10.70 + 6.95) \times 0.10 \times 2 = 3.5 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1)	Pile cap	24-8-25		
	Pile cap	10.50 × 6.75 × 1.90	=	134.7 m ³
	Deduction for pile - π/4	× 1.50 ² × 0.10 × 6	=	-1.1 m ³
			ΣV1 =	133.6 m ³
2)	Body	24-8-25		
	Beam	12.40 × 1.00 × 2.20	=	27.3 m ³
	Beam	1/2 × (12.40 + 7.00) × 1.50 × 2.20	=	32.0 m ³
	Deduction for R300 -	(4 - π) × 0.30 ² × (1.00 + 3.09)	=	-0.3 m ³
	Addition for R1700 +	(2 - π/2) × 1.70 ² × 2.20	=	2.7 m ³
	Column	7.00 × 2.20 × 7.50	=	115.5 m ³
	Deduction for R300 -	(4 - π) × 0.30 ² × 7.50	=	-0.6 m ³
			ΣV2 =	176.6 m ³

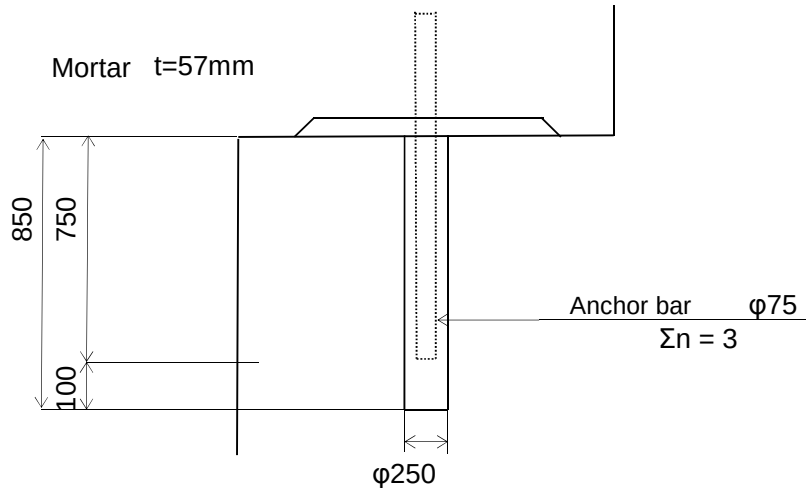
6. Form work (reinforcement structure, H ≤ 30m)

1)	Pile cap			
	a) Common part			
	Pile cap (	10.50 + 6.75) × 1.90 × 2	=	65.6 m ²
			ΣA1 =	65.6 m ²
2)	Body			
	b) Metal form for special part			
	Beam	(11.80 + 1.60) × 1.00 × 2	=	26.8 m ²
	Beam	1/2 × (11.80 + 6.40) × 1.50 × 2	=	27.3 m ²
	Beam (Bottom) √(	2.70 ² + 1.50 ²) × 1.60 × 2	=	9.9 m ²
	Column (	6.40 + 1.60) × 1.00 × 2	=	16.0 m ²
	Deduction for curve - (	1.000 + 1.000) × 2 × 1.60	=	-6.4 m ²
	R1700 (	1.808 + 1.808) × 1 × 1.60	=	5.8 m ²
	R300	2 × π × 0.30 × (1.00 + 3.09 + 1.00)	=	9.6 m ²
			ΣA2 =	89.0 m ²
	c) Metal form for ordinary part			
	Column (	6.40 + 1.60) × 6.50 × 2	=	104.0 m ²
	R300	2 × π × 0.30 × 6.50	=	12.3 m ²
			ΣA3 =	116.3 m ²

7. Bearing work

- 1) For S-L Anchor 3 Position
Non-shrinkage mortar $t = 0.057$ m

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.73) \times \frac{1}{2} \times (0.57 + 0.68) = 0.422 \text{ m}^2 \\
 V1 &= 0.42 \times 0.06 \times 4 = 0.101 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 0.85 \times 3 = 0.125 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.070^2 \times 0.75 \times 3 = -0.009 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.217 \text{ m}^3
 \end{aligned}$$

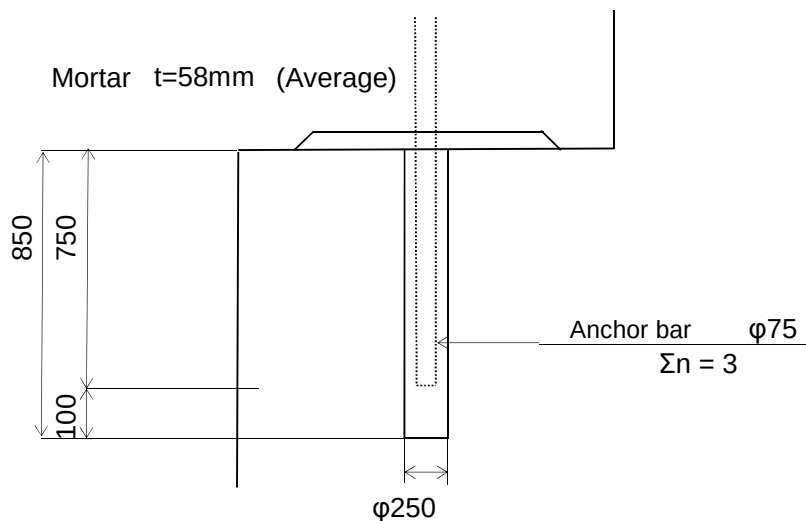


Bearing (φ250)

$$L = 0.85 \times 3 = 2.6 \text{ m}$$

- 2) For S-R Anchor 3 Position
Non-shrinkage mortar $t = 0.058$ m

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.74) \times \frac{1}{2} \times (0.57 + 0.69) = 0.428 \text{ m}^2 \\
 V1 &= 0.43 \times 0.06 \times 4 = 0.103 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 0.85 \times 3 = 0.125 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.070^2 \times 0.75 \times 3 = -0.009 \text{ m}^3 \\
 \hline
 \text{計} &= 0.219 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ250)

$$L = 0.85 \times 3 = 2.6 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	6,917	
D19	kg	1,523	
D22	kg	4,667	
D25	kg	-----	
D29	kg	13,384	
D32	kg	5,061	
Total	kg	31,552	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

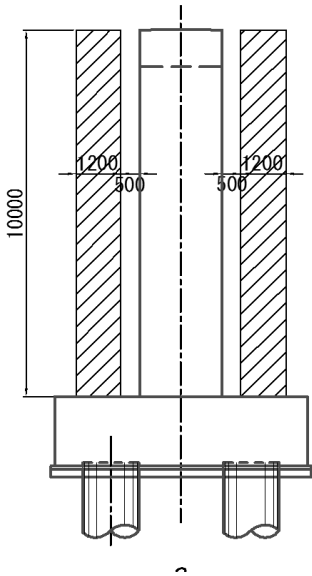
Mean height

Body $H = 10.00 \text{ m}$ Pole cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 10.00 \times 2 = 380.0 \text{ m}^2$

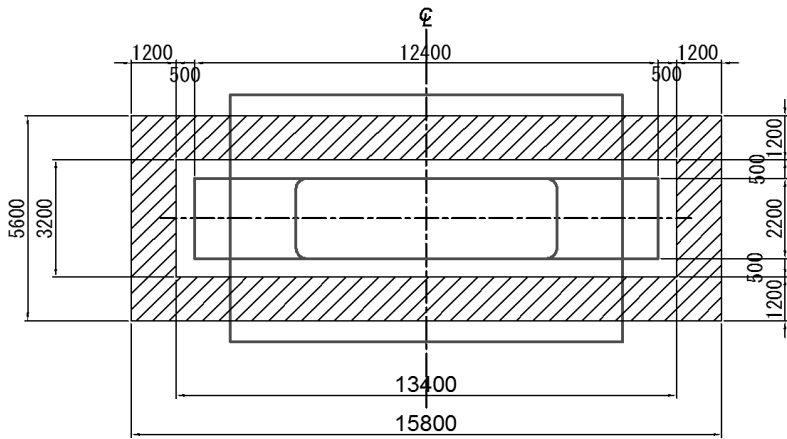
$\Sigma A = 380 \text{ m}^2$

Side view



H	10.0	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

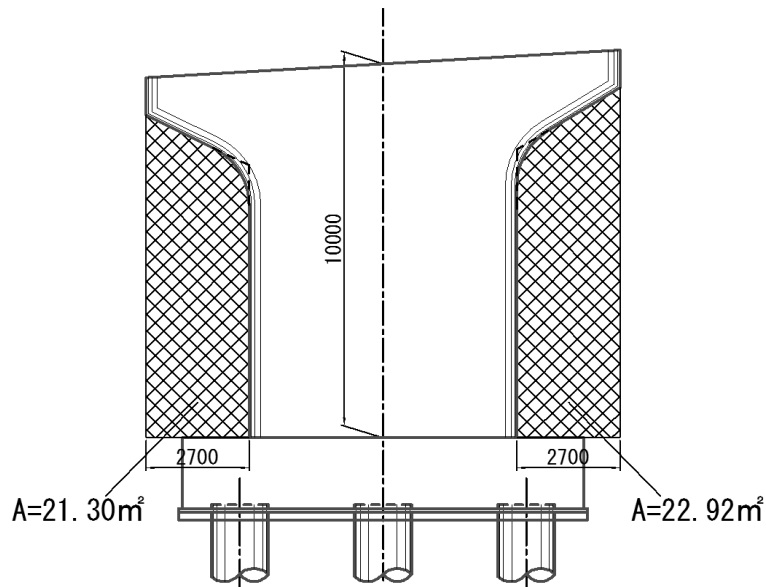
$$\text{Left side } V1 = 21.30 \times 2.20 = 46.9 \text{ m}^3$$

$$\text{Right side } V2 = 22.92 \times 2.20 = 50.4 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 7.50) = 0.9 \text{ m}^3$$

$$\Sigma V = 98 \text{ m}^3$$

Thickness of beam ; t = 2.20 m



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.35
Lemgth	33.50	(m)	Pile head height	1.54
Total number	6	(No)	Over break length	2.81
Total length	201.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 33.50 = 59.2 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,625	9,750	—
D22	220	1,320	—
D25	1,457	8,742	—
D29	-----	-----	—
D32	3,856	23,136	—
D35	-----	-----	—
Total	7,172	43,032	—
Flat steel	86	516	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel・clay・sand	1.00
2	Rock・cobble stone・soft rock	1.80
3	Hard rock・medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	36.31	36.31
2	0.00	0.00
3	0.00	0.00
合計	36.31	36.31
Weighted average		1.00

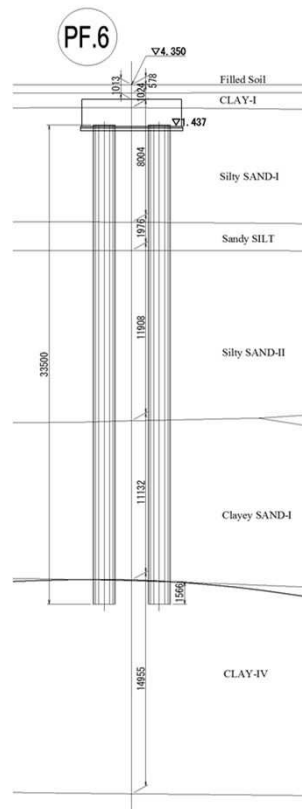
(5) Excavation (A=1.767 m²)
volume

$$V = 1.767 \times 36.31$$

$$= 64.2 \text{ m}^3$$

Thickness for different N value	
Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.59
Soil N value: 20~Less than 40	23.10
Soil N value: More than 40	1.62
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	36.31

Soil condition



§9. PF7 Quantity calculation

1 .Summary of quantity of PF7 pier

1)Main structure

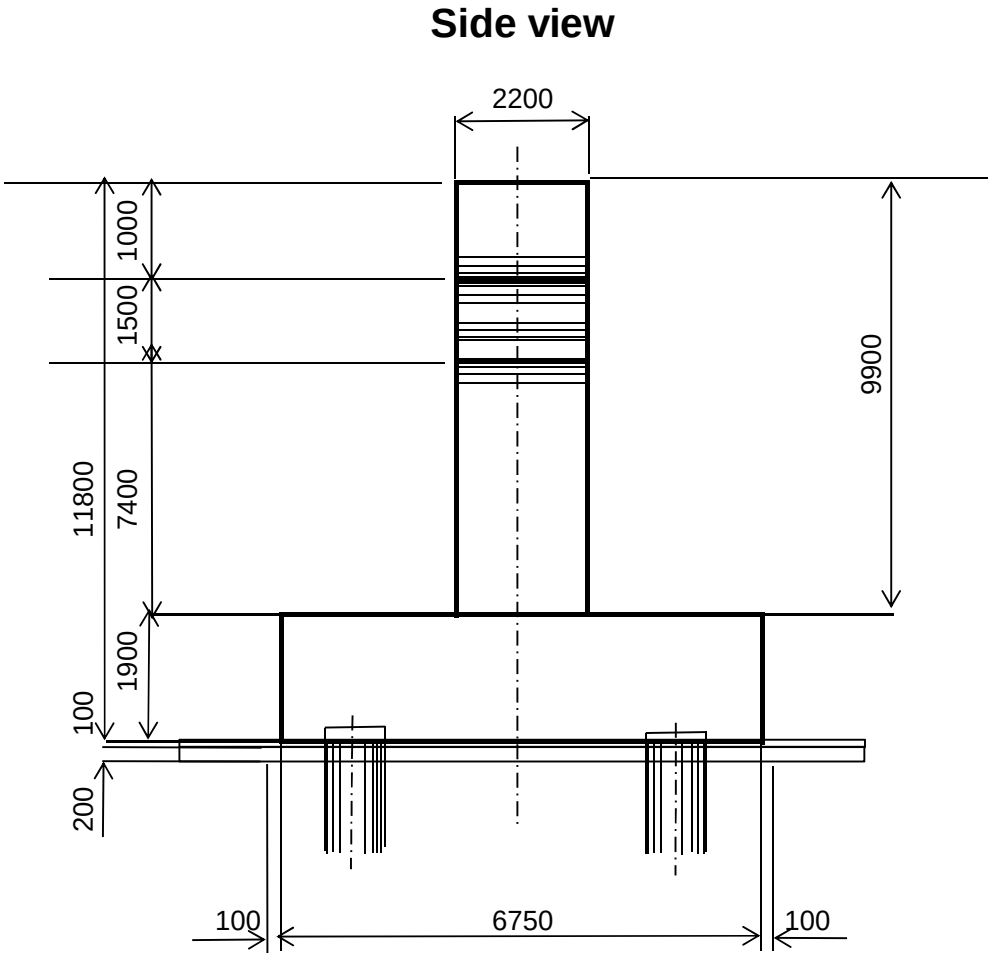
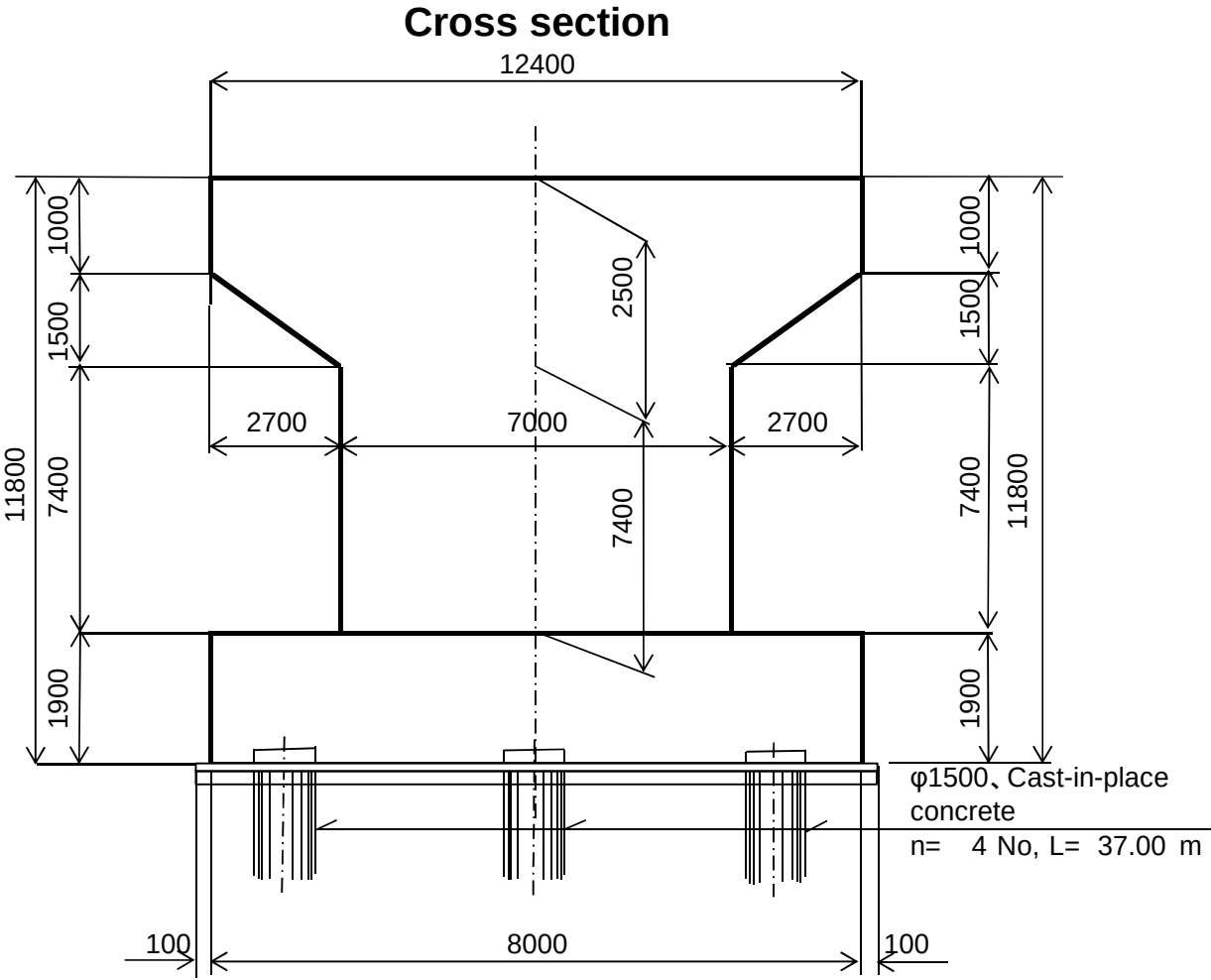
Item	Classification	Specification		Unit	PF7 Pier	Remarks
Earth work	Excavation	Soil		m ³	317.8	
	Backfill	Soil		m ³	181.8	
	Surplus soil treatment	Soil		m ³	115.8	
	Base levelling	-		m ²	49.9	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	280.1	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	56.1	
			Special part	m ²	95.4	Metal form
			Ordinary part	m ²	114.5	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	49.9	
	Form area	t = 100mm		m ²	3.0	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	5.0	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	5.977	
		D19		"	1.643	
		D22		"	4.581	
		D25		"	5.346	
		D29		"	0.706	
		D32		"	4.470	
		Total		"	22.723	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	380	
Blockout	Cylindrical form	φ200		m	4.5	
		Non-shrinkage mortar		m ³	0.20	
Foundation material	-	RC-40	t = 200	m ²	49.9	
Timbering	Wedge combination	H ≤ 30 m		m ³	97	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF7 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	4	
Design length		m	37.0	
Total length		m	148.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	65.4	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	63.6	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.743	
	D22	"	0.248	
	D25	"	2.910	
	D29	"	-----	
	D32	"	1.720	
	D35	"	-----	
	Total	"	6.635 (0)	
Flat steel	FB50×6	"	0.097	
Excavation length		m	39.9	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	70.4	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.6	
	Soil N value: 20~Less than 40	"	24.4	
	Soil N value: More than 40	"	3.8	
	Total	m	39.9	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lclclclclcl}
 v1 & = & 1/2 & \times (& 0.00 & + & 30.57 &) \times & 1.63 & = & 24.9 \text{ m}^3 \\
 v2 & = & 30.57 & \times & 9.00 & & & & & = & 275.1 \text{ m}^3 \\
 v3 & = & 1/2 & \times (& 0.00 & + & 30.57 &) \times & 1.63 & = & 24.9 \text{ m}^3 \\
 \text{Volume of pile} & v4 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 4 & = & -7.1 \text{ m}^3 \\
 \text{(deducting)} & & & & & & & & & & & \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V1 & = & 317.8 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lclclclclcl}
 \text{Deduction} & & & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 2.20 & \times & 1.06 & = & 16.3 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 8.00 & \times & 6.75 & \times & 1.90 & = & 102.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 8.20 & \times & 6.95 & \times & 0.30 & = & 17.1 \text{ m}^3 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V' & = & 136.0 \text{ m}^3
 \end{array}$$

$$V2 = V1 - V' = 317.8 - 136.0 = 181.8 \text{ m}^3$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1(m ³)	V2(m ³)	V3(m ³)
Cohesive soil	0.90	317.8	181.8	115.8

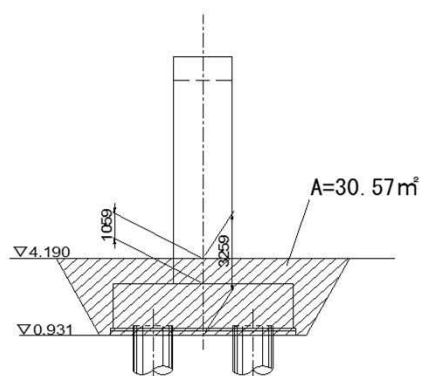
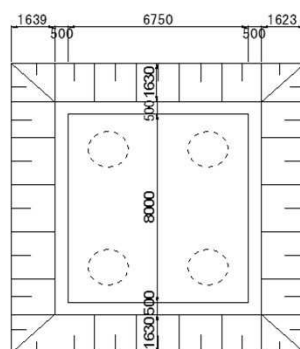
$$= 115.8 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lclclclclcl}
 A & = & 8.20 & \times & 6.95 & - & \pi/4 & \times & 1.50^2 & \times & 4 & = & 49.9 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & \Sigma A & = & 49.9 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	8.00
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	4
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

$$\text{Volume } 49.90 \times 0.10 = 5.0 \text{ m}^3$$

2) Form

$$(8.20 + 6.95) \times 0.10 \times 2 = 3.0 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	8.00	×	6.75	×	1.90	=	102.6	m ³
Deduction for pile - $\pi/4$		×	1.50 ²	×	0.10	×	4	= -0.7 m ³
$\Sigma V1$	=						101.9	m ³

2) Body 24-8-25

Beam	10.80	×	0.52	×	1.10	×	0.50	= 3.1 m ³
Beam	12.40	×	1.00	×	2.20			= 27.3 m ³
Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
Deduction for R300 -	(4	-	π	)×	0.30 ²	×	(1.00 + 3.09)	= -0.3 m ³
Addition for R1700 +	(2	-	$\pi/2$	)×	1.70 ²	×	2.20	= 2.7 m ³
Column	7.00	×	2.20	×	7.40			= 114.0 m ³
Deduction for R300 -	(4	-	π	)×	0.30 ²	×	7.40	= -0.6 m ³
$\Sigma V2$	=						178.2	m ³

6. Form work(reinforcement structure, H≤30m)

1) Pile cap

a) Common part

Pile cap (	8.00	+	6.75	)×	1.90	×	2	= 56.1 m ²
$\Sigma A1$	=						56.1	m ²

2) Body

b) Metal form for special part

Beam	10.80	×	0.52	×	0.50	×	2	+	1.10	×	0.52	= 6.2 m ²
Beam	(11.80	+	1.60	)×	1.00	×	2					= 26.8 m ²
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2					= 27.3 m ²
Beam(Bottom) $\sqrt{}$ (	2.70 ²	+	1.50 ²	)×	1.60	×	2					= 9.9 m ²
Column (	6.40	+	1.60	)×	1.00	×	2					= 16.0 m ²
Deduction for curve -(	1.000	+	1.000	)×	2	×	1.60					= -6.4 m ²
R1700 (	1.808	+	1.808	)×	1	×	1.60					= 5.8 m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)					= 9.6 m ²
			π	×	0.30	×	0.52	×	0.5			= 0.2 m ²
$\Sigma A2$	=											95.4 m ²

c) Metal form for ordinary part

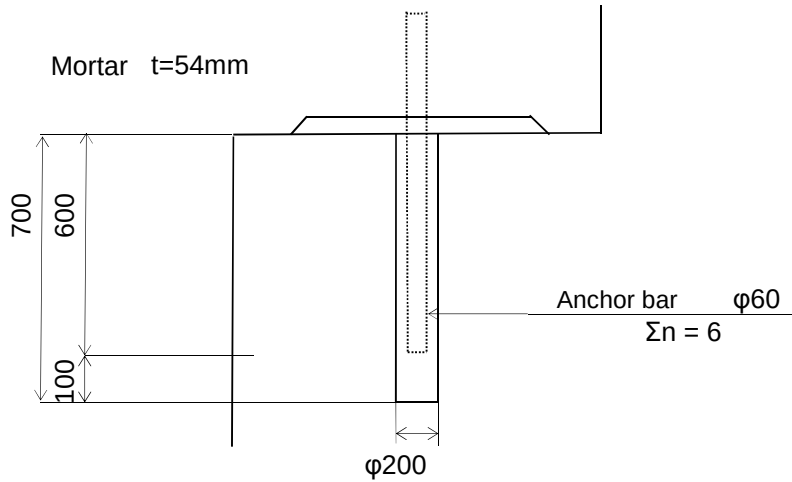
Column (	6.40	+	1.60	)×	6.40	×	2	= 102.4 m ²
R300	2	×	π	×	0.30	×	6.40	= 12.1 m ²
$\Sigma A3$	=							114.5 m ²

7. Bearing work

1) For S-L Anchor 6 Position

Non-shrinkage mortar $t = 0.054 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.73) \times \frac{1}{2} \times (0.62 + 0.73) = 0.456 \text{ m}^2 \\
 V1 &= 0.46 \times 0.05 \times 4 = 0.092 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.20^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.060^2 \times 0.60 \times 6 = -0.010 \text{ m}^3 \\
 \hline
 \text{計} &= 0.214 \text{ m}^3
 \end{aligned}$$



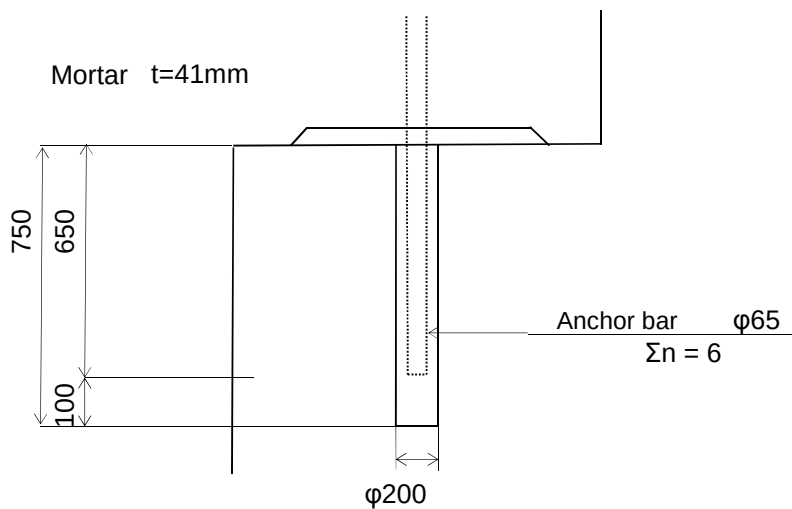
Bearing (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

2) For S-R Anchor 6 Position

Non-shrinkage mortar $t = 0.041 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.70) \times \frac{1}{2} \times (0.62 + 0.70) = 0.436 \text{ m}^2 \\
 V1 &= 0.44 \times 0.04 \times 4 = 0.070 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.20^2 \times 0.75 \times 6 = 0.141 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.065^2 \times 0.65 \times 6 = -0.013 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.198 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ200)

$$L = 0.75 \times 6 = 4.5 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

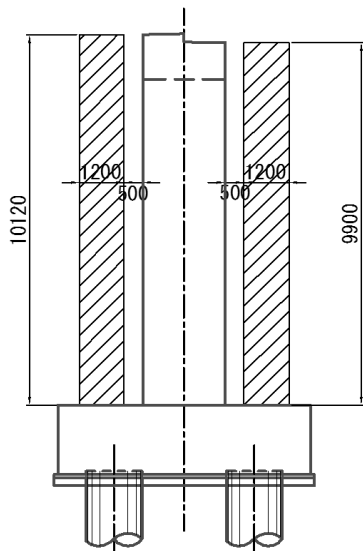
Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	5,977	
D19	kg	1,643	
D22	kg	4,581	
D25	kg	5,346	
D29	kg	706	
D32	kg	4,470	
Total	kg	22,723	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

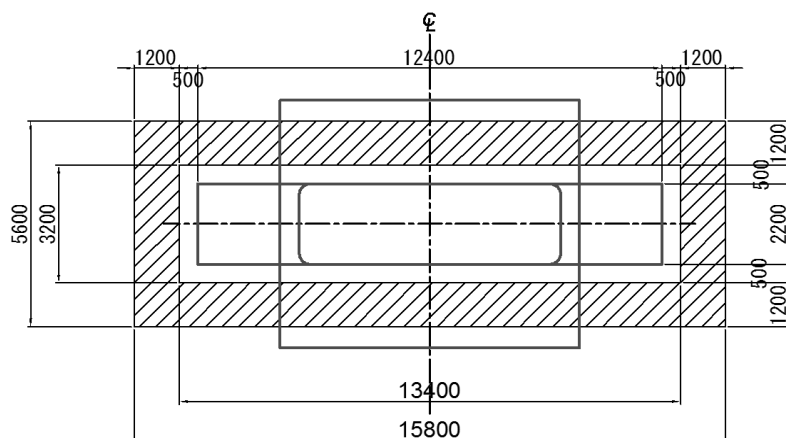
Mean height					
Body	H = 10.01 m	Pule cap	HF = 1.90 m		
Body	(14.60 + 4.40)× 10.01	×	2	=	380.4 m ²
				ΣA =	380 m ²

Side view



H	10.0	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	reinforcement structur
Category of type	Wedge combination
Category of height	$H \leq 30m$

1)Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

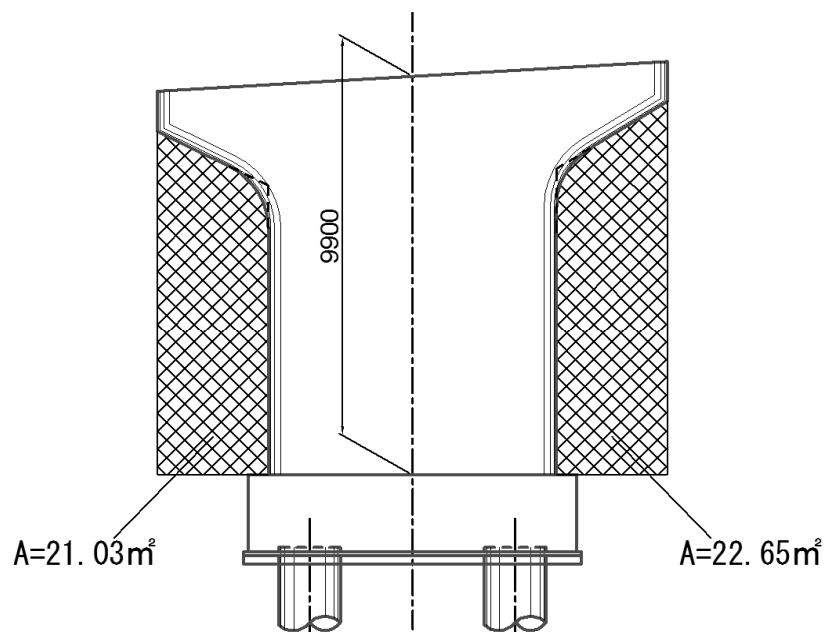
$$\text{Left side } V1 = 21.03 \times 2.20 = 46.3 \text{ m}^3$$

$$\text{Right side } V2 = 22.65 \times 2.20 = 49.8 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 7.40) = 0.9 \text{ m}^3$$

$$\Sigma V = 97 \text{ m}^3$$

Thickness of beam; t = 2.20 m



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.19
Lemgth	37.00	(m)	Pile head height	1.33
Total number	4	(No)	Over break length	2.86
Total length	148.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 37.00 = 65.4 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (4No)	Flare groove weld position
D13	14	56	—
D16	0	0	—
D19	1743	6972	—
D22	248	992	—
D25	2910	11640	—
D29	0	0	—
D32	1720	6880	—
D35	0	0	—
Total	6635	26540	0
Flat steel	97	388	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	39.86	39.86
2	0.00	0.00
3	0.00	0.00
Total	39.86	39.86
Weighted average		1.00

(5) Excavation (A=1.767 m²)
volume

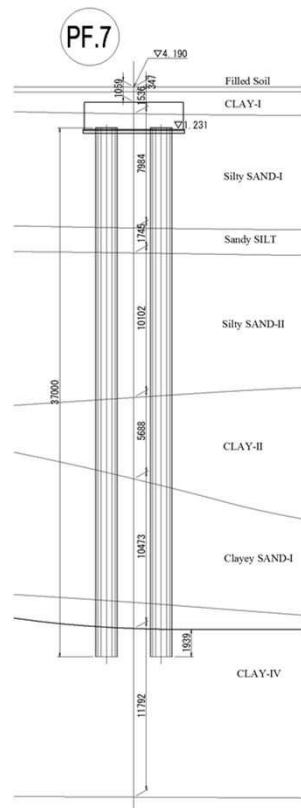
$$V = 1.767 \times 39.86$$

$$= 70.4 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.61
Soil N value: 20~Less than 40	24.43
Soil N value: More than 40	3.82
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock+boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	39.86

Soil condition



§10. PF8 Quantity calculation

1 .Summary of quantity of PF8 pier

1)Main structure

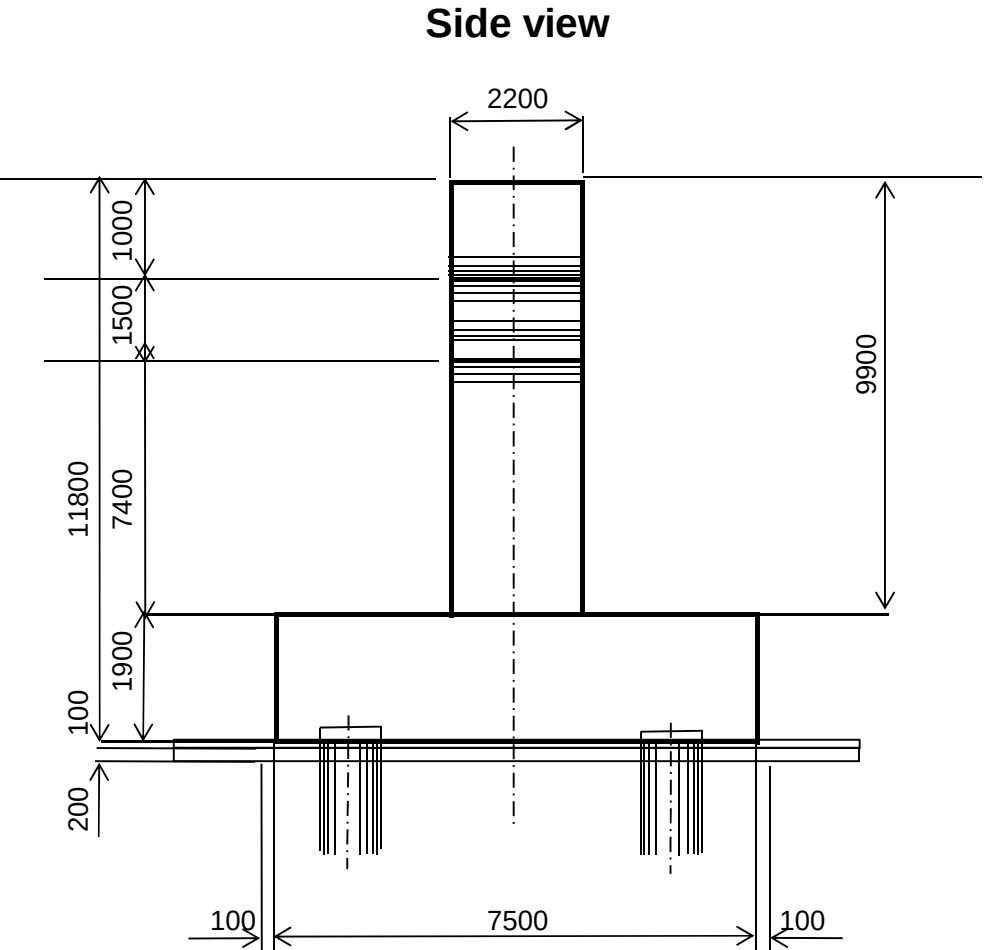
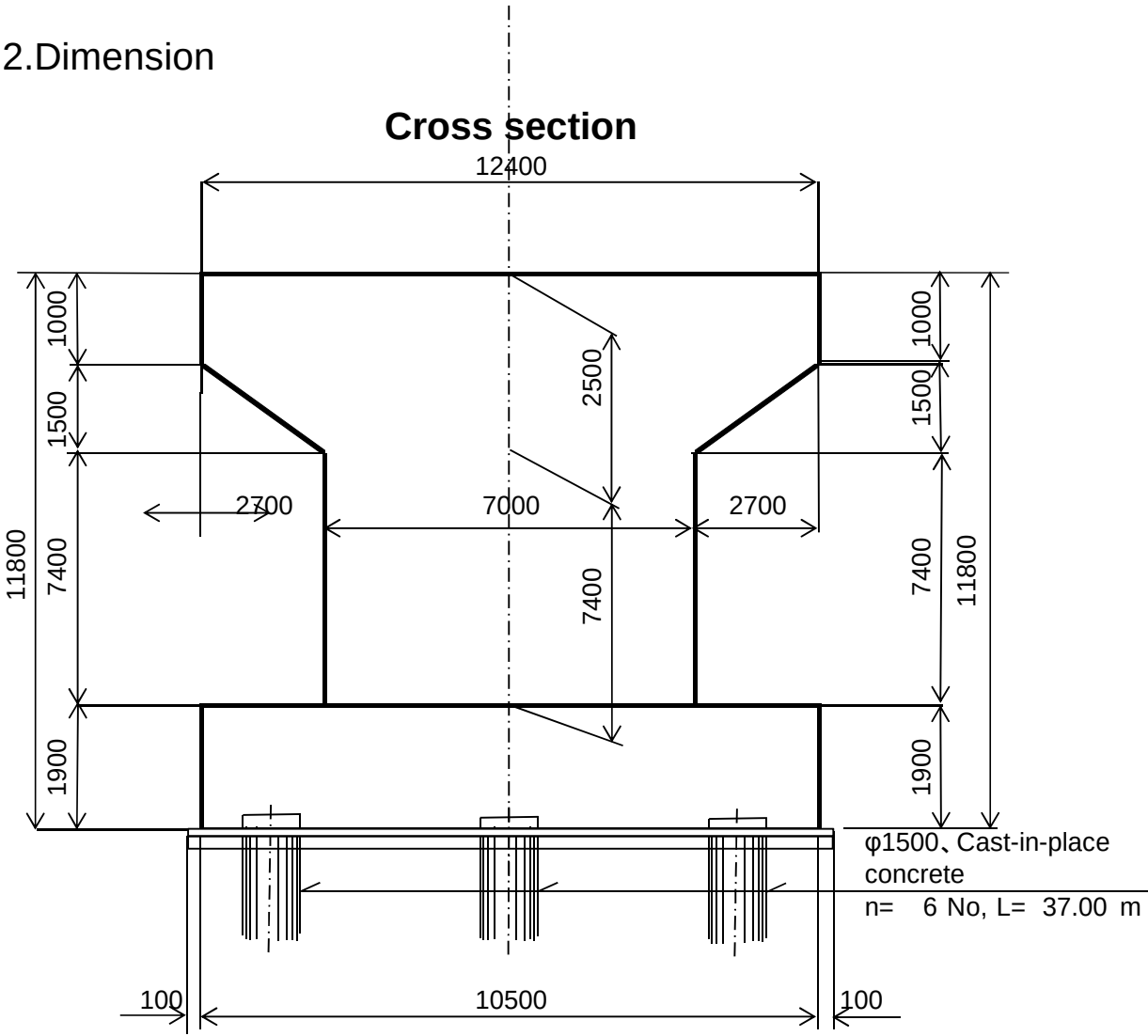
Item	Classification	Specification		Unit	PF8 Pier	Remarks
Earth work	Excavation	Soil		m ³	407.5	
	Backfill	Soil		m ³	217.6	
	Surplus soil treatment	Soil		m ³	165.7	
	Base levelling	-		m ²	71.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	323.6	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	68.4	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	114.5	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	71.8	
	Form area	t = 100mm		m ²	3.7	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	7.2	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	2.701	
		D19		"	6.603	
		D22		"	4.581	
		D25		"	-----	
		D29		"	4.677	
		D32		"	23.667	
		Total		"	42.229	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	376	
Blockout	Cylindrical form	φ200		m	6.0	
		Non-shrinkage mortar		m ³	0.41	
Foundation material	-	RC-40	t = 200	m ²	71.8	
Timbering	Wedge combination	H ≤ 30 m		m ³	97	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF8 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	37.0	
Total length		m	222.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	65.4	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	63.6	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.759	
	D22	"	0.248	
	D25	"	1.708	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	7.585 (0)	
Flat steel	FB50×6	"	0.097	
Excavation length		m	39.9	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	70.5	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.9	
	Soil N value: 20~Less than 40	"	25.9	
	Soil N value: More than 40	"	2.1	
	Total	m	39.9	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rclclclclclcl}
 \text{Volume of pile} & v1 & = & 33.45 & \times & 12.50 & & & = & 418.1 \text{ m}^3 \\
 \text{(deducting)} & v2 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 6 & = & -10.6 \text{ m}^3 \\
 & & & & & & & & & & & \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V1 & = & 407.5 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rclclclclclcl}
 \text{Deduction} & & & & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 2.20 & \times & 1.01 & & & = & 15.6 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 10.50 & \times & 7.50 & \times & 1.90 & & & = & 149.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 10.70 & \times & 7.70 & \times & 0.30 & & & = & 24.7 \text{ m}^3 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V' & = & 189.9 \text{ m}^3 \\
 & & & & & & & & & & & & \\
 & & & & & & & & & & V2 & = & V1 - V' = 407.5 - 189.9 = 217.6 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

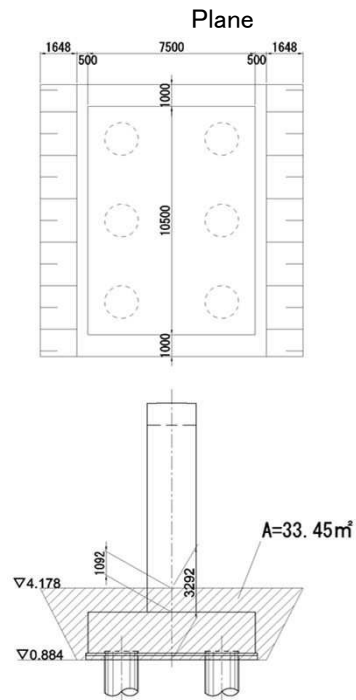
	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1(m ³)	V2(m ³)	V3(m ³)
Cohesive soil	0.90	407.5	217.6	165.7

$$= 165.7 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rclclclclclcl}
 A & = & 10.70 & \times & 7.70 & - & \pi/4 & \times & 1.50^2 & \times & 6 & = & 71.8 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & \Sigma A & = & 71.8 \text{ m}^2
 \end{array}$$

Earth work figure



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	7.50
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

$$\text{Volume } 71.80 \times 0.10 = 7.2 \text{ m}^3$$

2) Form

$$(10.70 + 7.70) \times 0.10 \times 2 = 3.7 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	10.50	×	7.50	×	1.90	=	149.6	m ³
Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	6	= -1.1 m ³
$\Sigma V1$							=	148.5 m ³

2) Body 24-8-25

Beam	12.40	×	1.00	×	2.20	=	27.3	m ³
Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	(1.00 + 3.09) = -0.3 m ³
Addition for R1700 +	(2	-	π/2	)	×	1.70 ²	×	2.20 = 2.7 m ³
Column	7.00	×	2.20	×	7.40	=	114.0	m ³
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	7.40 = -0.6 m ³
							ΣV2	= 175.1 m ³

6. Form work(reinforcement structure, $H \leq 30m$)

1) Pile cap

a) Common part

Pile cap (	10.50	+	7.50	)	×	1.90	×	2	=	68.4 m ²
$\Sigma A1$									=	68.4 m ²

2) Body

b) Metal form for special part

Beam	(11.80	+	1.60	)	×	1.00	×	2	=	26.8	m ²	
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2	=	27.3	m ²		
Beam(Bottom) $\sqrt{}$ (	2.70^2	+	1.50^2	)	×	1.60	×	2	=	9.9	m ²	
Column (	6.40	+	1.60	)	×	1.00	×	2	=	16.0	m ²	
Deduction for curve -(	1.000	+	1.000	)	×	2	×	1.60	=	-6.4	m ²	
R1700 (	1.808	+	1.808	)	×	1	×	1.60	=	5.8	m ²	
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)	=	9.6	m ²		
$\Sigma A2$										=	89.0	m ²

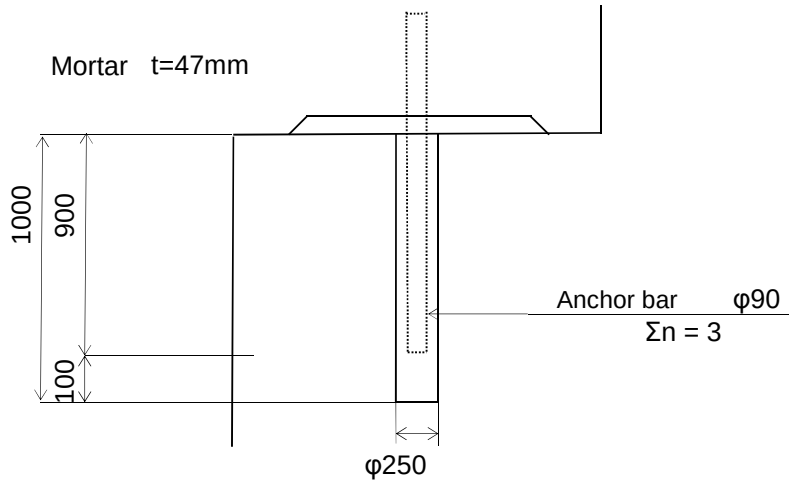
c) Metal form for ordinary part

Column (	6.40	+	1.60	)	×	6.40	×	2	=	102.4 m ²
R300	2	×	π	×	0.30	×	6.40		=	12.1 m ²
$\Sigma A3$									=	114.5 m ²

7. Bearing work

1) For S-L Anchor 3 Position
Non-shrinkage mortar $t = 0.047$ m

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.71) \times \frac{1}{2} \times (0.57 + 0.66) = 0.409 \text{ m}^2 \\
 V1 &= 0.41 \times 0.05 \times 4 = 0.082 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.00 \times 3 = 0.147 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.090^2 \times 0.90 \times 3 = -0.017 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.212 \text{ m}^3
 \end{aligned}$$

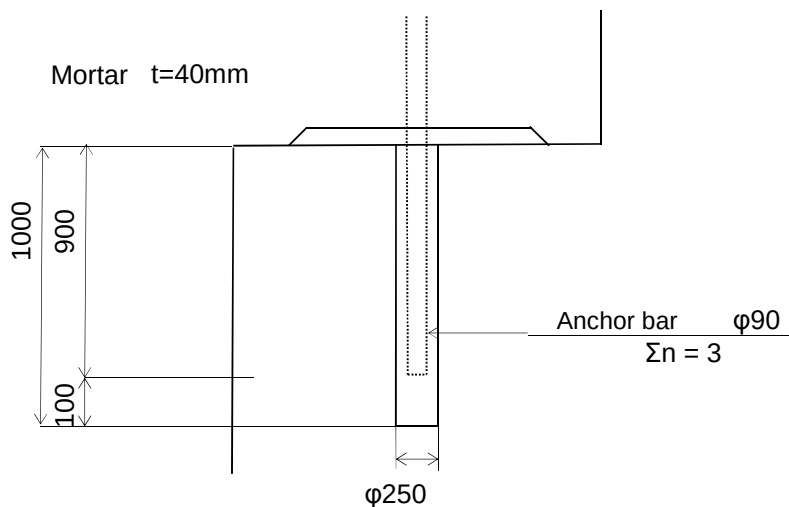


Bearing ($\phi 250$)

$$L = 1.00 \times 3 = 3.0 \text{ m}$$

2) For S-R Anchor 3 Position
Non-shrinkage mortar $t = 0.040$ m

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.70) \times \frac{1}{2} \times (0.57 + 0.65) = 0.403 \text{ m}^2 \\
 V1 &= 0.40 \times 0.04 \times 4 = 0.064 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.00 \times 3 = 0.147 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.090^2 \times 0.90 \times 3 = -0.017 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.194 \text{ m}^3
 \end{aligned}$$



Bearing blockout ($\phi 250$)

$$L = 1.00 \times 3 = 3.0 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	2,701	
D19	kg	6,603	
D22	kg	4,581	
D25	kg	-----	
D29	kg	4,677	
D32	kg	23,667	
Total	kg	42,229	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

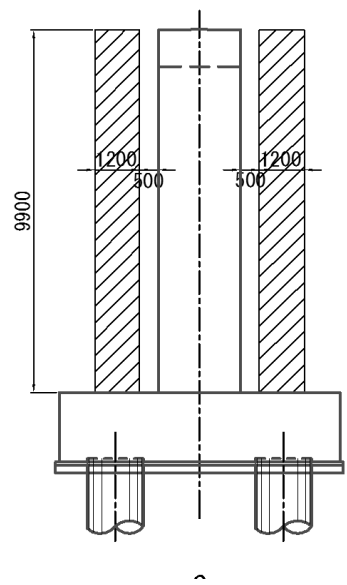
Mean height

Body $H = 9.90 \text{ m}$ Pole cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 9.90 \times 2 = 376.2 \text{ m}^2$

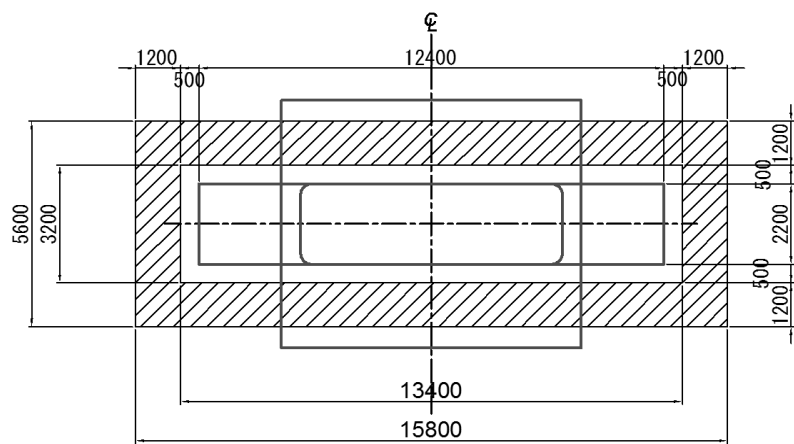
$\Sigma A = 376 \text{ m}^2$

Side view



H	9.9	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	reinforcement structur
Category of type	Wedge combination
Category of height	$H \leq 30m$

1)Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

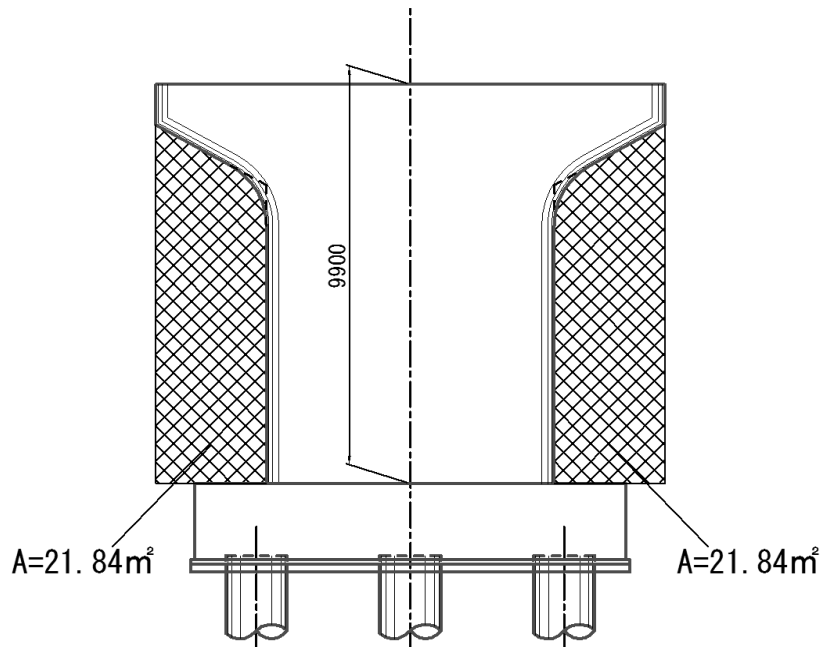
$$\text{Left side } V1 = 21.84 \times 2.20 = 48.0 \text{ m}^3$$

$$\text{Right side } V2 = 21.84 \times 2.20 = 48.0 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 7.40) = 0.9 \text{ m}^3$$

$$\Sigma V = 97 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.18
Lemgth	37.00	(m)	Pile head height	1.28
Total number	6	(No)	Over break length	2.90
Total length	222.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 37.00 = 65.4 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,759	10,554	—
D22	248	1,488	—
D25	1,708	10,248	—
D29	-----	-----	—
D32	3,856	23,136	—
D35	-----	-----	—
Total	7,585	45,510	—
Flat steel	97	582	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	39.90	39.90
2	0.00	0.00
3	0.00	0.00
Total	39.90	39.90
Weighted average		1.00

(5) Excavation volume
($A=1.767\text{ m}^2$)

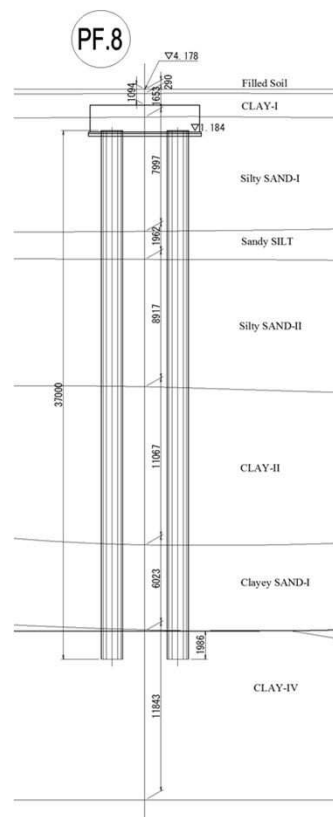
$$V = 1.767 \times 39.90$$

$$= 70.5\text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.91
Soil N value: 20~Less than 40	25.93
Soil N value: More than 40	2.06
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock+boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	39.90

Soil condition



§11. PF9 Quantity calculation

1 .Summary of quantity of PF9 pier

1)Main structure

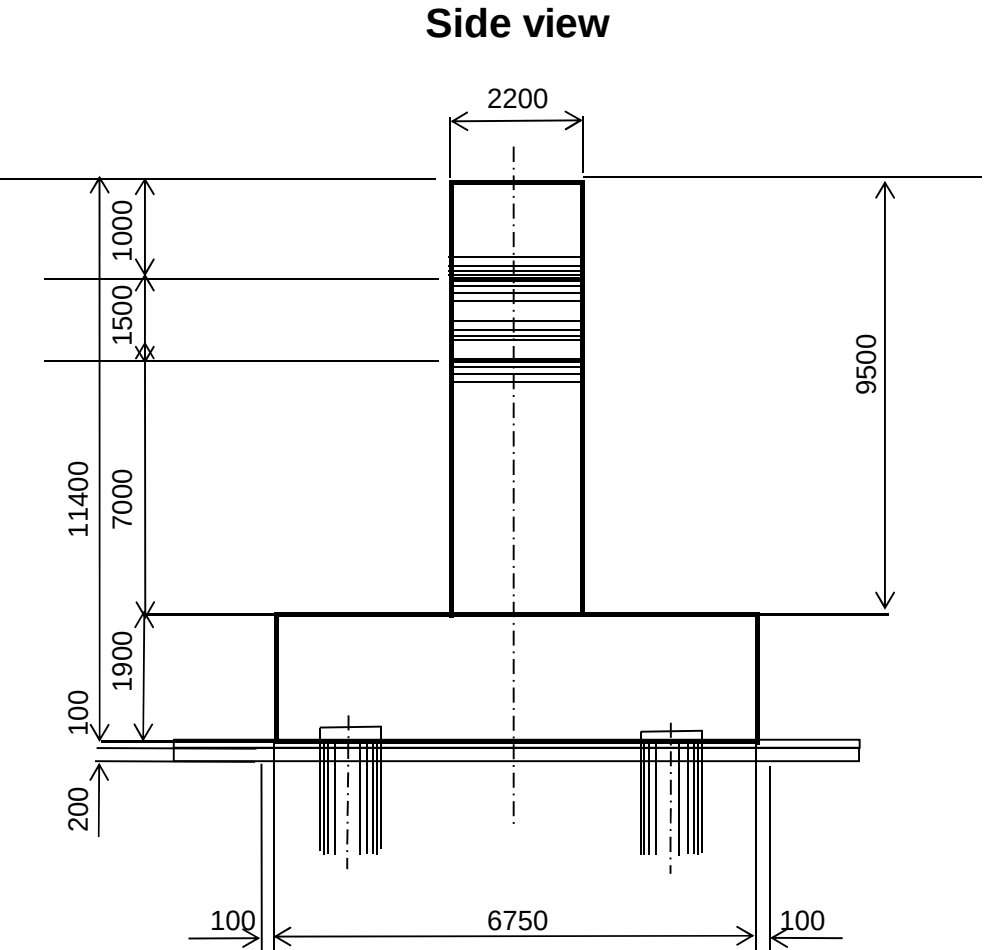
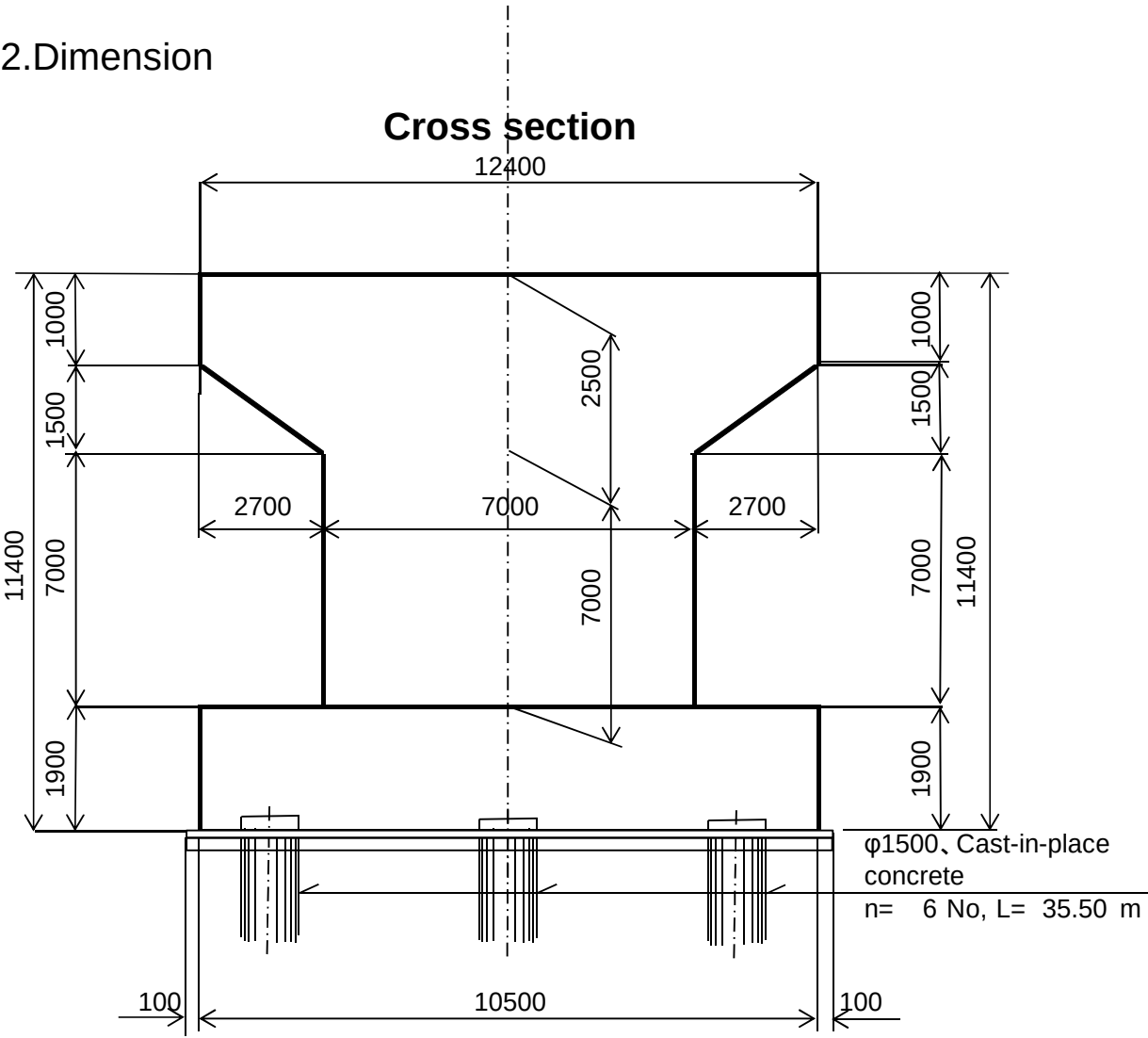
Item	Classification	Specification		Unit	PF9 Pier	Remarks
Earth work	Excavation	Soil		m ³	402.2	
	Backfill	Soil		m ³	228.9	
	Surplus soil treatment	Soil		m ³	147.9	
	Base levelling	-		m ²	63.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	302.6	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	65.6	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	107.3	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	63.8	
	Form area	t = 100mm		m ²	3.5	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	6.4	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	6.690	
		D19		"	1.523	
		D22		"	4.581	
		D25		"	-----	
		D29		"	10.336	
		D32		"	5.058	
		Total		"	28.188	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	361	
Blockout	Cylindrical form	φ200		m	2.60	
		Non-shrinkage mortar		m ³	0.18	
Foundation material	-	RC-40	t = 200	m ²	63.8	
Timbering	Wedge combination	H ≤ 30 m		m ³	92	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF9 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	35.5	
Total length		m	213.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength) $\sigma_{ck}=30\text{N/mm}^2$	m^3	62.7	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength) $\sigma_{ck}=40\text{N/mm}^2$	m^3	60.9	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.733	
	D22	"	0.234	
	D25	"	1.622	
	D29	"	-----	
	D32	"	3.029	
	D35	"	-----	
	Total	"	6.632 (0)	
Flat steel	FB50×6	"	0.092	
Excavation length		m	38.4	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	67.8	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	12.5	
	Soil N value: 20~Less than 40	"	24.4	
	Soil N value: More than 40	"	1.5	
	Total	m	38.4	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 33.02 \times 12.50 & = 412.8 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & & \hline
 & V1 & = 402.2 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Column} & v1 = 7.00 \times 2.20 \times 1.06 & = 16.3 \text{ m}^3 \\
 \text{Pile cap} & v2 = 10.50 \times 6.75 \times 1.90 & = 134.7 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 6.95 \times 0.30 & = 22.3 \text{ m}^3 \\
 & & \hline
 & V' & = 173.3 \text{ m}^3 \\
 \\
 & V2 = V1 - V' = 402.2 - 173.3 & = 228.9 \text{ m}^3
 \end{array}$$

3) Base levelling

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	402.2	228.9	147.9

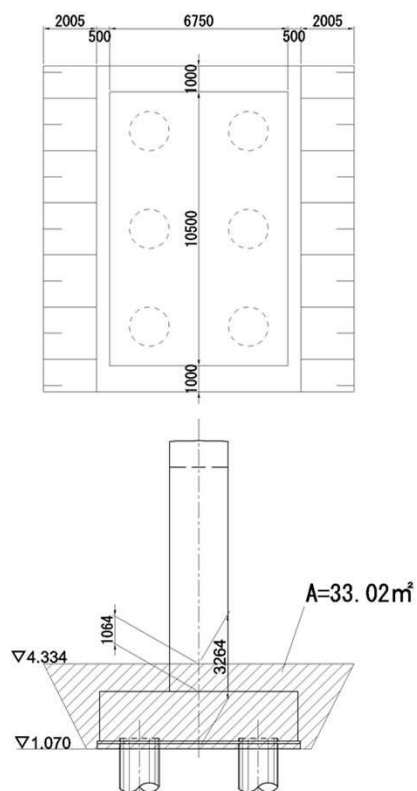
$$= 147.9 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 & = 63.8 \text{ m}^2 \\
 & & \hline
 \Sigma A & = & 63.8 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 = 63.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 6.95 - \pi/4 \times 1.50^2 \times 6 = 63.8 \text{ m}^2$$

$$\text{Volume } 63.80 \times 0.10 = 6.4 \text{ m}^3$$

2) Form

$$(10.70 + 6.95) \times 0.10 \times 2 = 3.5 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	10.50	×	6.75	×	1.90	=	134.7 m ³
Deduction for pile - $\pi/4$		×	1.50 ²	×	0.10	×	6
						=	-1.1 m ³

$$\Sigma V1 = 133.6 \text{ m}^3$$

2) Body 24-8-25

Beam	12.40	×	1.00	×	2.20	=	27.3 m ³	
Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	(1.00 + 3.09)
Addition for R1700 +	(2	-	$\pi/2$	)	×	1.70 ²	×	2.20
						=	2.7 m ³	

Column	7.00	×	2.20	×	7.00	=	107.8 m ³	
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	7.00
						=	-0.5 m ³	

$$\Sigma V2 = 169.0 \text{ m}^3$$

6. Form work (reinforcement structure, H ≤ 30m)

1) Pile cap

a) Common part

Pile cap (	10.50	+	6.75	)	×	1.90	×	2	=	65.6 m ²

$$\Sigma A1 = 65.6 \text{ m}^2$$

2) Body

b) Metal form for special part

Beam	(11.80	+	1.60	)	×	1.00	×	2	=	26.8 m ²
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2	=	27.3 m ²	
Beam (Bottom) $\sqrt{}$	2.70 ²	+	1.50 ²	)	×	1.60	×	2	=	9.9 m ²
Column (	6.40	+	1.60	)	×	1.00	×	2	=	16.0 m ²
Deduction for curve - (	1.000	+	1.000	)	×	2	×	1.60	=	-6.4 m ²
R1700 (	1.808	+	1.808	)	×	1	×	1.60	=	5.8 m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)	=	9.6 m ²	

$$\Sigma A2 = 89.0 \text{ m}^2$$

c) Metal form for ordinary part

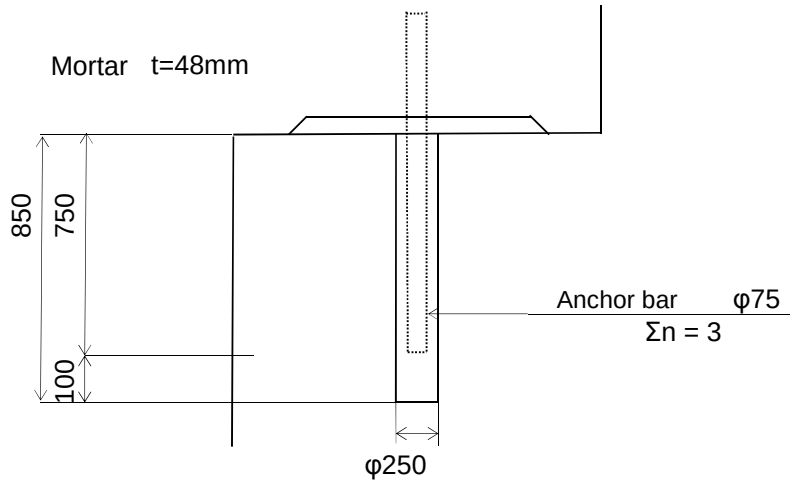
Column (	6.40	+	1.60	)	×	6.00	×	2	=	96.0 m ²
R300	2	×	π	×	0.30	×	6.00	=	11.3 m ²	

$$\Sigma A3 = 107.3 \text{ m}^2$$

7. Bearing work

1) For S-L Anchor 3 Position
Non-shrinkage mortar $t = 0.048 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.72) \times \frac{1}{2} \times (0.57 + 0.67) = 0.415 \text{ m}^2 \\
 V1 &= 0.42 \times 0.05 \times 4 = 0.084 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 0.85 \times 3 = 0.125 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.075^2 \times 0.75 \times 3 = -0.010 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.199 \text{ m}^3
 \end{aligned}$$

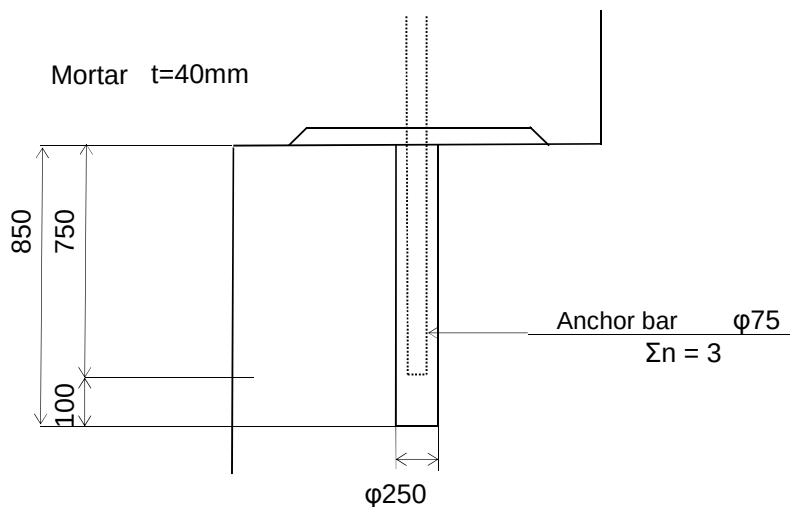


Bearing blockout (φ250)

$$L = 0.85 \times 3 = 2.6 \text{ m}$$

2) For S-R Anchor 3 Position
Non-shrinkage mortar $t = 0.040 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.70) \times \frac{1}{2} \times (0.57 + 0.65) = 0.403 \text{ m}^2 \\
 V1 &= 0.40 \times 0.04 \times 4 = 0.064 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 0.85 \times 3 = 0.125 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.075^2 \times 0.75 \times 3 = -0.010 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.179 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ250)

$$L = 0.85 \times 3 = 2.6 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	6,690	
D19	kg	1,523	
D22	kg	4,581	
D25	kg	-----	
D29	kg	10,336	
D32	kg	5,058	
Total	kg	28,188	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

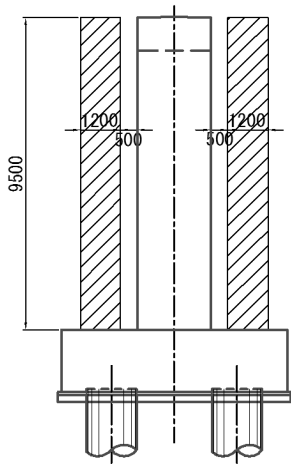
Mean height

Body $H = 9.50 \text{ m}$ Pule cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 9.50 \times 2 = 361.0 \text{ m}^2$

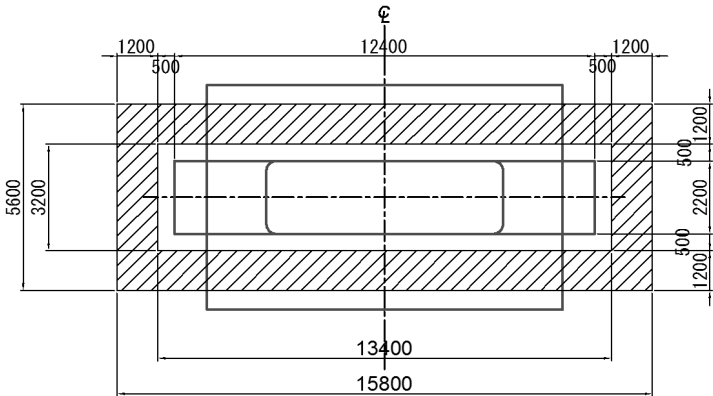
$\Sigma A = 361 \text{ m}^2$

Side view



H	9.5	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

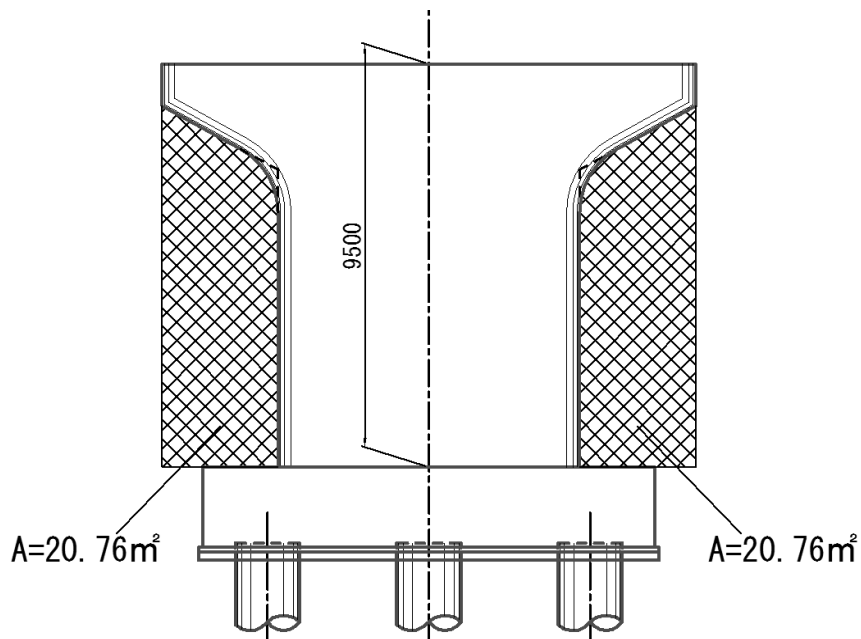
$$\text{Left side } V1 = 20.76 \times 2.20 = 45.7 \text{ m}^3$$

$$\text{Right side } V2 = 20.76 \times 2.20 = 45.7 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 7.00) = 0.9 \text{ m}^3$$

$$\Sigma V = 92 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.33
Lemgth	35.50	(m)	Pile head height	1.47
Total number	6	(No)	Over break length	2.86
Total length	213.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 35.50 = 62.7 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,733	10,398	—
D22	234	1,404	—
D25	1,622	9,732	—
D29	-----	-----	—
D32	3,029	18,174	—
D35	-----	-----	—
Total	6,632	39,792	—
Flat steel	92	552	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	38.36	38.36
2	0.00	0.00
3	0.00	0.00
Total	38.36	38.36
Weighted average		1.00

(5) Excavation volume
($A=1.767\text{ m}^2$)

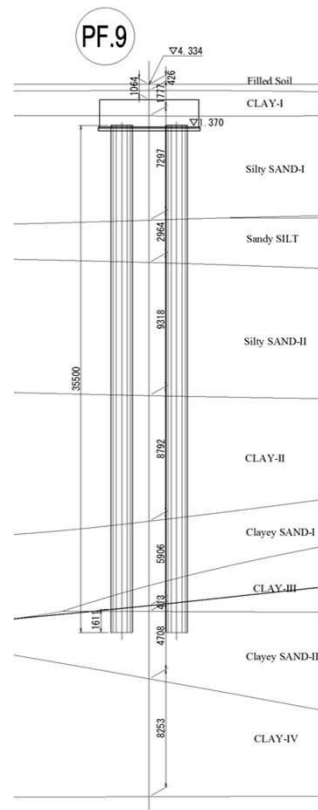
$$V = 1.767 \times 38.36$$

$$= 67.8\text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	12.46
Soil N value: 20~Less than 40	24.43
Soil N value: More than 40	1.47
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	38.36

Soil condition



§12. PF10 Quantity calculation

1 .Summary of quantity of PF10 pier

1)Main structure

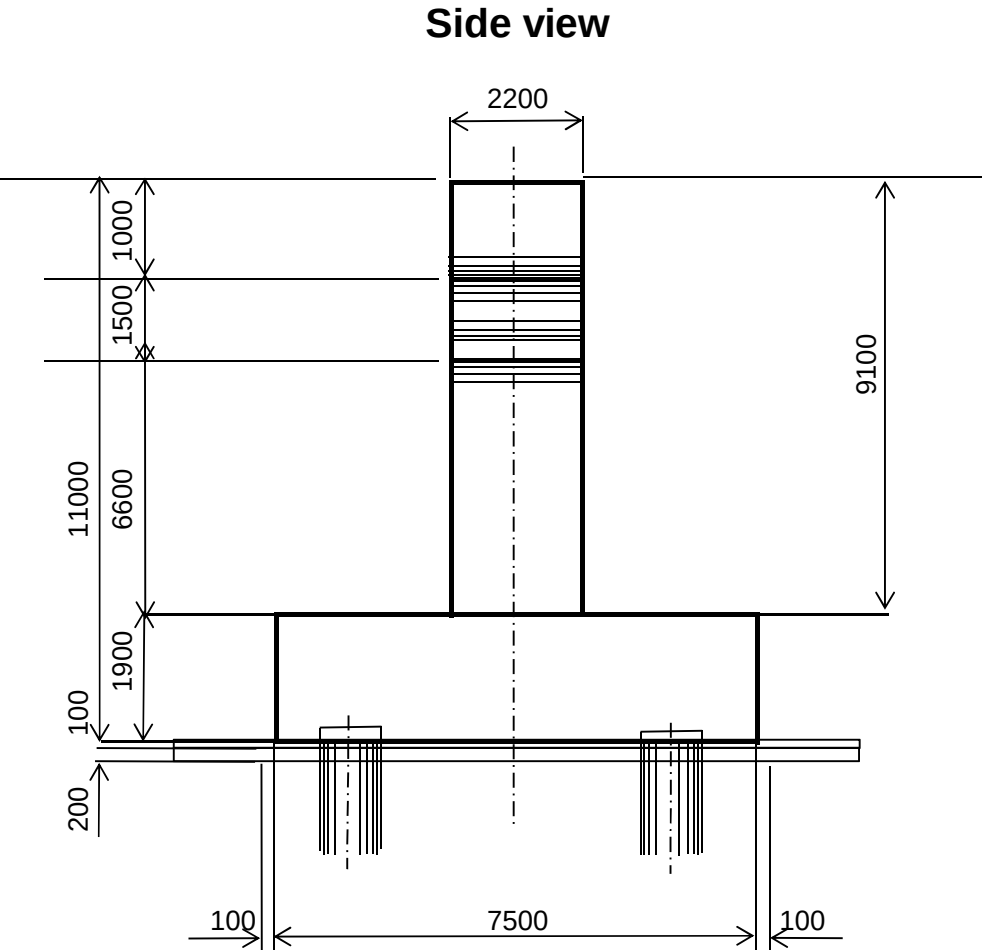
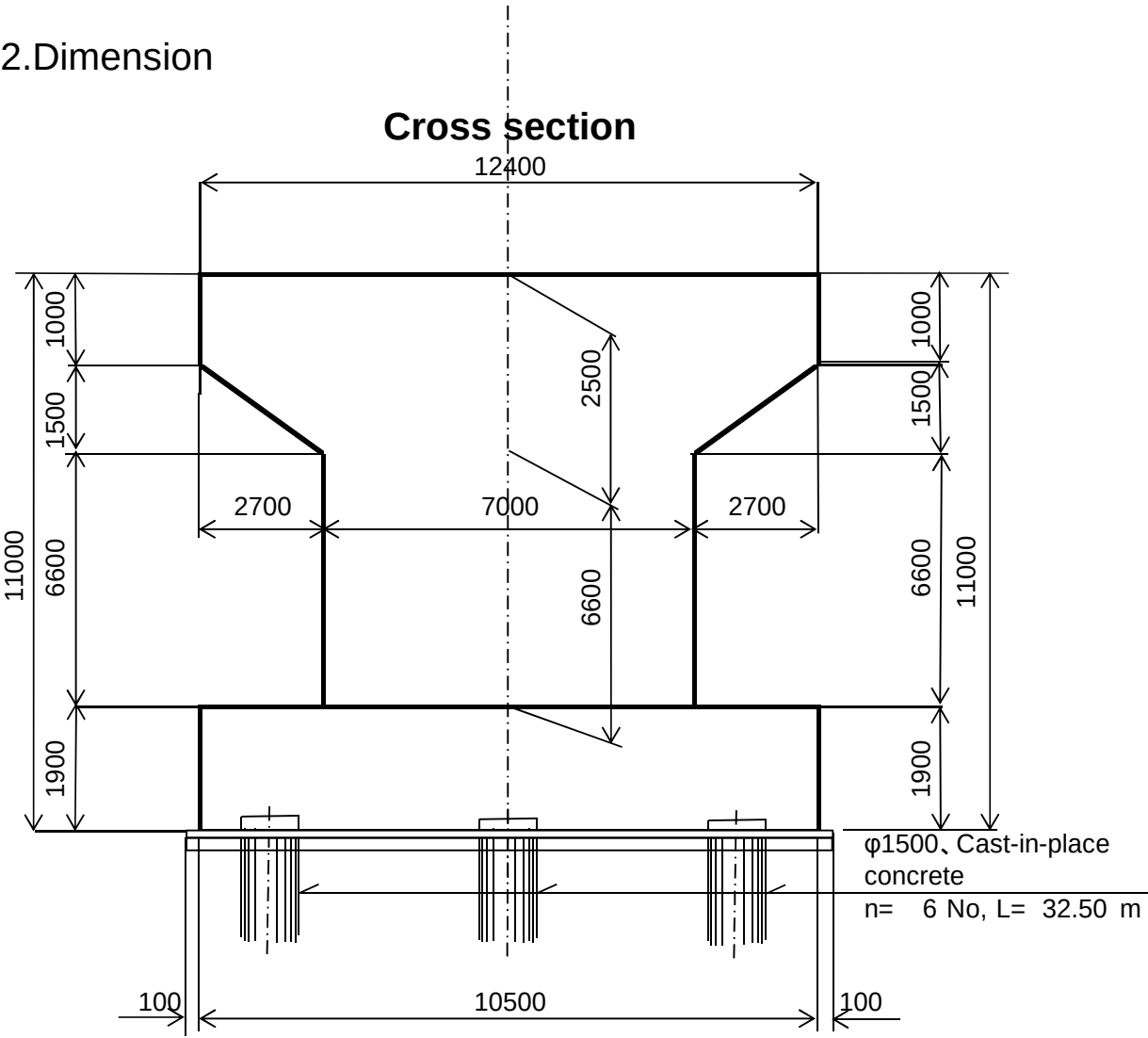
Item	Classification	Specification		Unit	PF10 Pier	Remarks
Earth work	Excavation	Soil		m ³	400.0	
	Backfill	Soil		m ³	209.5	
	Surplus soil treatment	Soil		m ³	167.2	
	Base levelling	-		m ²	71.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	311.3	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	68.4	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	100.2	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	71.8	
	Form area	t = 100mm		m ²	3.7	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	7.2	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	2.633	
		D19		"	6.127	
		D22		"	4.581	
		D25		"	-----	
		D29		"	4.677	
		D32		"	22.579	
		Total		"	40.597	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	346	
Blockout	Cylindrical form	φ200		m	12.6	
		Non-shrinkage mortar		m ³	0.69	
Foundation material	-	RC-40	t = 200	m ²	71.8	
Timbering	Wedge combination	H ≤ 30 m		m ³	87	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF10 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	32.5	
Total length		m	195.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength) $\sigma_{ck}=30\text{N/mm}^2$	m^3	57.4	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength) $\sigma_{ck}=40\text{N/mm}^2$	m^3	55.6	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.577	
	D22	"	0.220	
	D25	"	1.385	
	D29	"	-----	
	D32	"	3.856	
	D35	"	-----	
	Total	"	7.052 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	35.3	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	62.4	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	13.3	
	Soil N value: 20~Less than 40	"	22.0	
	Soil N value: More than 40	"	0.0	
	Total	m	35.3	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 32.85 \times 12.50 & = 410.6 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & \hline
 & V1 & = 400.0 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Column} & v1 = 7.00 \times 2.20 \times 1.05 & = 16.2 \text{ m}^3 \\
 \text{Pile cap} & v2 = 10.50 \times 7.50 \times 1.90 & = 149.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 7.70 \times 0.30 & = 24.7 \text{ m}^3 \\
 & \hline
 & V' & = 190.5 \text{ m}^3 \\
 \\
 V2 & = V1 - V' = 400.0 - 190.5 & = 209.5 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	400.0	209.5	167.2

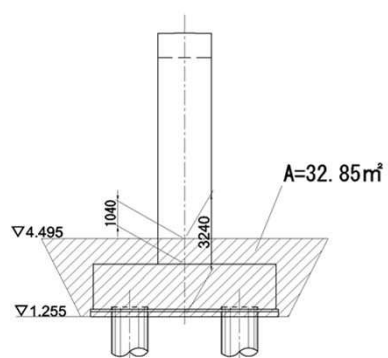
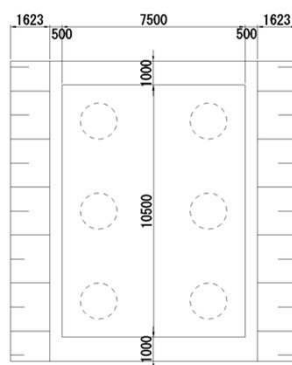
$$= 167.2 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 & = 71.8 \text{ m}^2 \\
 & \hline
 \Sigma A & = & 71.8 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	7.50
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

$$\text{Volume } 71.80 \times 0.10 = 7.2 \text{ m}^3$$

2) Form

$$(10.70 + 7.70) \times 0.10 \times 2 = 3.7 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	10.50	×	7.50	×	1.90	=	149.6 m ³
Deduction for pile - $\pi/4$		×	1.50 ²	×	0.10	×	6
						=	-1.1 m ³

$$\Sigma V1 = 148.5 \text{ m}^3$$

2) Body 24-8-25

Beam	12.40	×	1.00	×	2.20	=	27.3 m ³	
Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	
						=	32.0 m ³	
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	(1.00 + 3.09)
						=	-0.3 m ³	
Addition for R1700 +	(2	-	$\pi/2$	)	×	1.70 ²	×	2.20
						=	2.7 m ³	

Column	7.00	×	2.20	×	6.60	=	101.6 m ³	
Deduction for R300 -	(4	-	π	)	×	0.30 ²	×	6.60
						=	-0.5 m ³	

$$\Sigma V2 = 162.8 \text{ m}^3$$

6. Form work(reinforcement structure, $H \leq 30\text{m}$)

1) Pile cap

a) Common part

Pile cap (	10.50	+	7.50	)	×	1.90	×	2	=	68.4 m ²

$$\Sigma A1 = 68.4 \text{ m}^2$$

2) Body

b) Metal form for special part

Beam	(11.80	+	1.60	)	×	1.00	×	2	=	26.8 m ²
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2	=	27.3 m ²	
Beam(Bottom) $\sqrt{}$ (	2.70 ²	+	1.50 ²	)	×	1.60	×	2	=	9.9 m ²
Column (	6.40	+	1.60	)	×	1.00	×	2	=	16.0 m ²
Deduction for curve -(	1.000	+	1.000	)	×	2	×	1.60	=	-6.4 m ²
R1700 (	1.808	+	1.808	)	×	1	×	1.60	=	5.8 m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)	=	9.6 m ²	

$$\Sigma A2 = 89.0 \text{ m}^2$$

c) Metal form for ordinary part

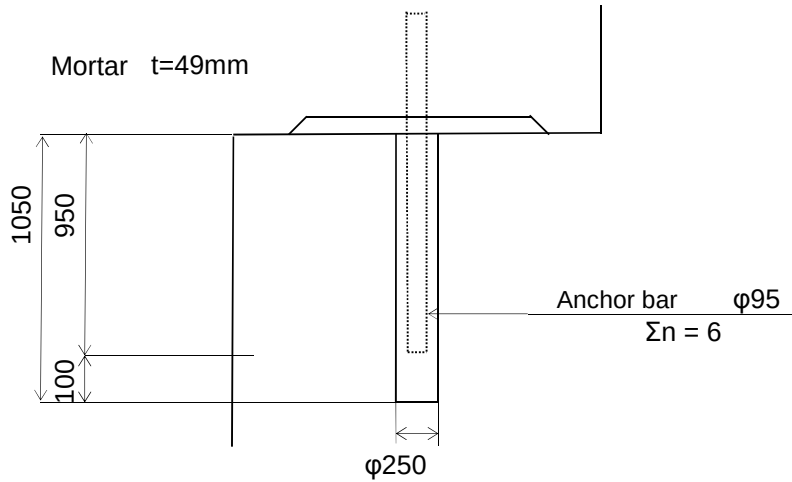
Column (	6.40	+	1.60	)	×	5.60	×	2	=	89.6 m ²
R300	2	×	π	×	0.30	×	5.60	=	10.6 m ²	

$$\Sigma A3 = 100.2 \text{ m}^2$$

7. Bearing work

1) For S-L Anchor 6 Position
Non-shrinkage mortar $t = 0.049 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.72) \times \frac{1}{2} \times (0.57 + 0.67) = 0.415 \text{ m}^2 \\
 V1 &= 0.42 \times 0.05 \times 4 = 0.084 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.05 \times 6 = 0.309 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.095^2 \times 0.95 \times 6 = -0.040 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.353 \text{ m}^3
 \end{aligned}$$

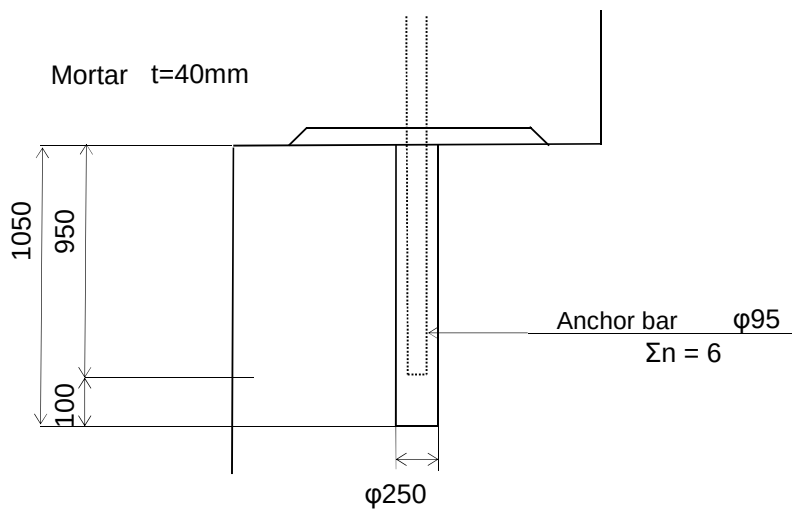


Bearing blockout (φ250)

$$L = 1.05 \times 6 = 6.3 \text{ m}$$

2) For S-R Anchor 6 Position
Non-shrinkage mortar $t = 0.040 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.70) \times \frac{1}{2} \times (0.57 + 0.65) = 0.403 \text{ m}^2 \\
 V1 &= 0.40 \times 0.04 \times 4 = 0.064 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.05 \times 6 = 0.309 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.095^2 \times 0.95 \times 6 = -0.040 \text{ m}^3 \\
 \hline
 \text{計} &= 0.333 \text{ m}^3
 \end{aligned}$$



Bearing blockout (φ250)

$$L = 1.05 \times 6 = 6.3 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	2,633	
D19	kg	6,127	
D22	kg	4,581	
D25	kg	-----	
D29	kg	4,677	
D32	kg	22,579	
Total	kg	40,597	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

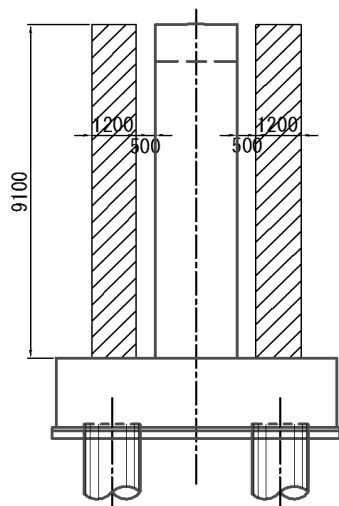
Mean height

Body $H = 9.10 \text{ m}$ Pole cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 9.10 \times 2 = 345.8 \text{ m}^2$

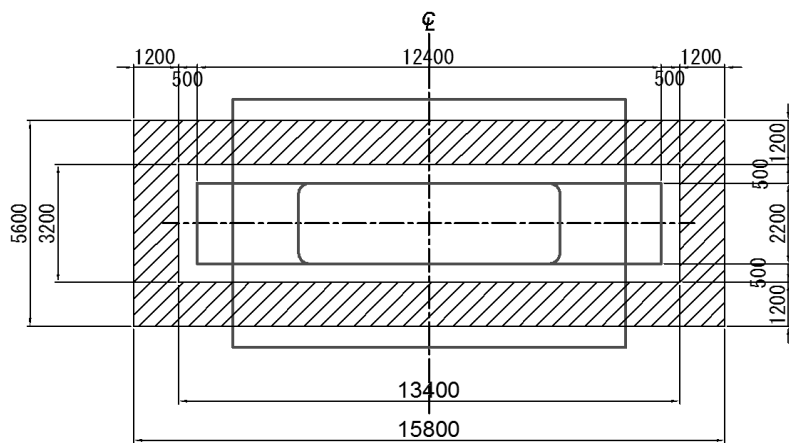
$\Sigma A = 346 \text{ m}^2$

Side view



H	9.1	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	reinforcement structur
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1)Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

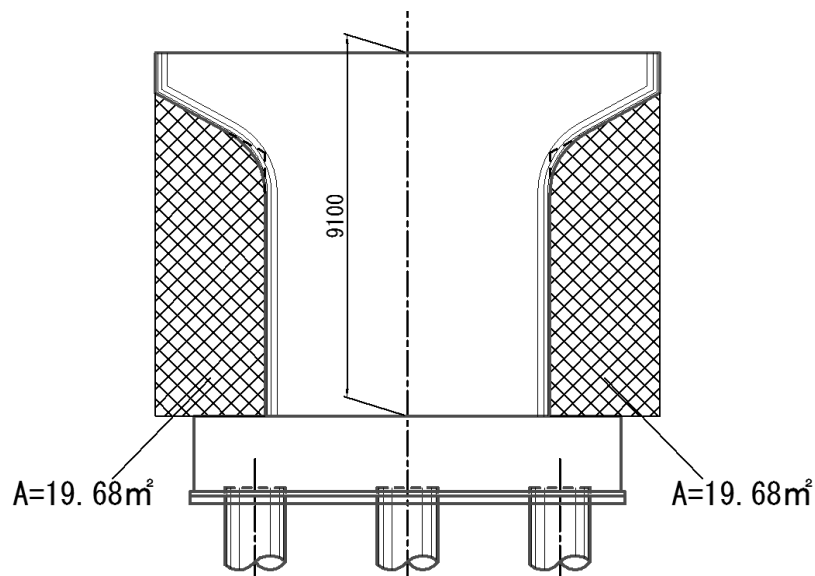
$$\text{Left side } V1 = 19.68 \times 2.20 = 43.3 \text{ m}^3$$

$$\text{Right side } V2 = 19.68 \times 2.20 = 43.3 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 6.60) = 0.8 \text{ m}^3$$

$$\Sigma V = 87 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.50
Lemgth	32.50	(m)	Pile head height	1.66
Total number	6	(No)	Over break length	2.84
Total length	195.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 32.50 = 57.4 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	-----	-----	—
D19	1,577	9,462	—
D22	220	1,320	—
D25	1,385	8,310	—
D29	-----	-----	—
D32	3,856	23,136	—
D35	-----	-----	—
Total	7,052	42,312	—
Flat steel	86	516	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	35.34	35.34
2	0.00	0.00
3	0.00	0.00
Total	35.34	35.34
Weighted average		1.00

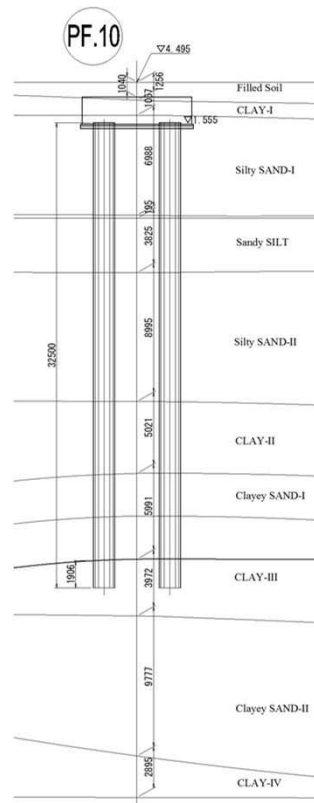
(5) Excavation (A=1.767 m²)
volume

$$V = 1.767 \times 35.34$$

$$= 62.4 \text{ m}^3$$

Thickness for different N value	
Excavation ground	Excavation length(m)
Soil N value: Less than 20	13.32
Soil N value: 20~Less than 40	22.02
Soil N value: More than 40	0.00
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	35.34

Soil condition



§13. PF11 Quantity calculation

1 .Summary of quantity of PF11 pier

1)Main structure

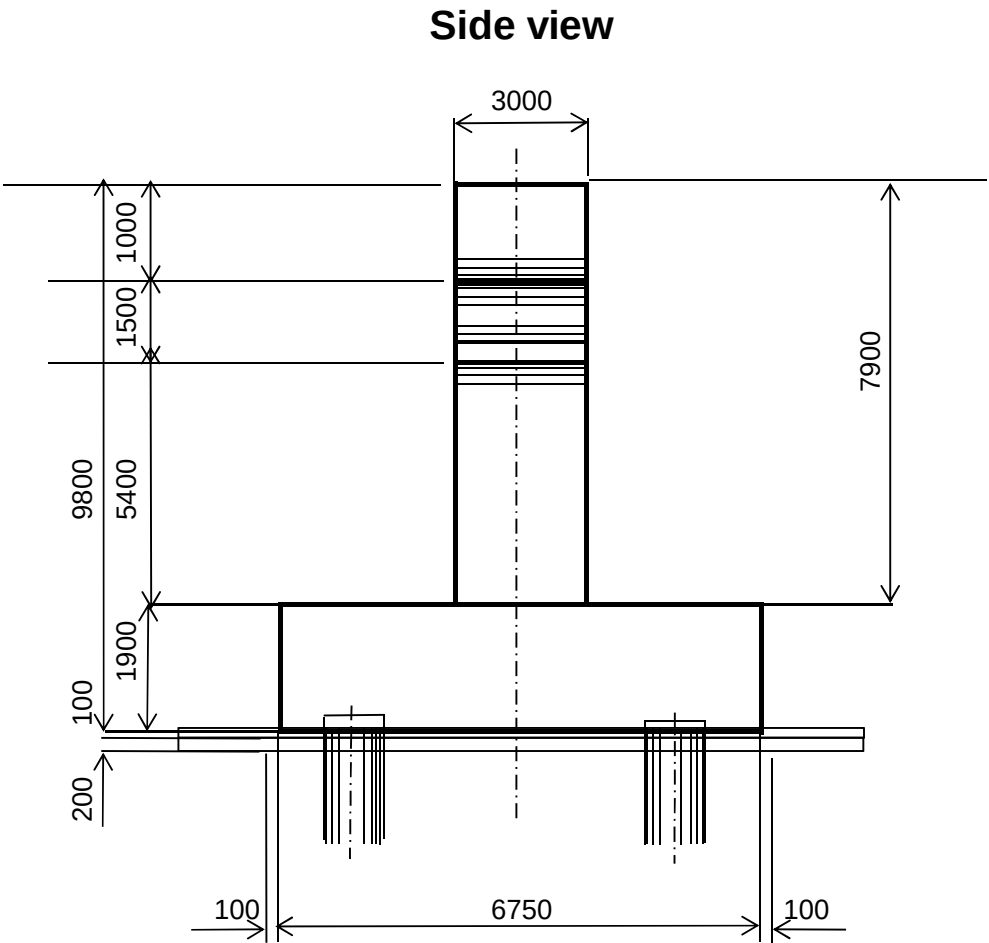
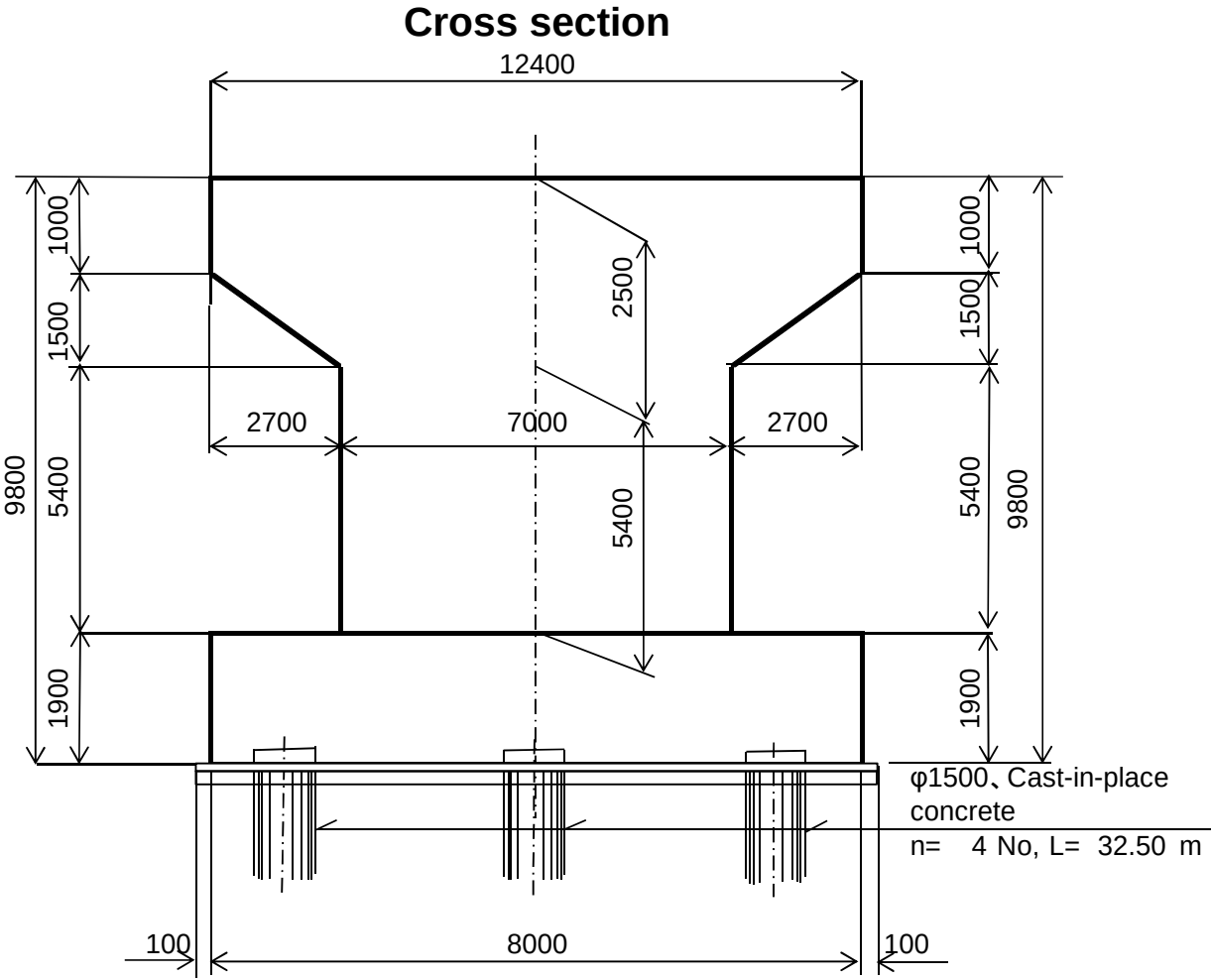
Item	Classification	Specification		Unit	PF11 Pier	Remarks
Earth work	Excavation	Soil		m ³	318.0	
	Backfill	Soil		m ³	176.0	
	Surplus soil treatment	Soil		m ³	122.4	
	Base levelling	-		m ²	49.9	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	314.4	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	56.1	
			Special part	m ²	123.2	Metal form
			Ordinary part	m ²	85.7	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	49.9	
	Form area	t = 100mm		m ²	3.0	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	5.0	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	7.568	
		D19		"	1.286	
		D22		"	3.368	
		D25		"	3.495	
		D29		"	-----	
		D32		"	2.082	
		Total		"	17.799	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	329	
Blockout	Cylindrical form	φ200		m	4.2	
		φ150		m	7.8	
		Non-shrinkage mortar		m ³	0.49	
Foundation material	-	RC-40	t = 200	m ²	49.9	
Timbering	Wedge combination	H ≤ 30 m		m ³	99	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF11 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	4	
Design length		m	32.5	
Total length		m	130.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	57.4	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	55.6	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.568	
	D22	"	0.220	
	D25	"	1.105	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	5.819 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	35.4	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	62.5	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	13.5	
	Soil N value: 20~Less than 40	"	21.9	
	Soil N value: More than 40	"	0.0	
	Total	m	35.4	

※() Is flare groove weld position

2.Dimension



1) Excavation(soil) soil classification: cohesive soil

2) Backfill

3) Surplus soil

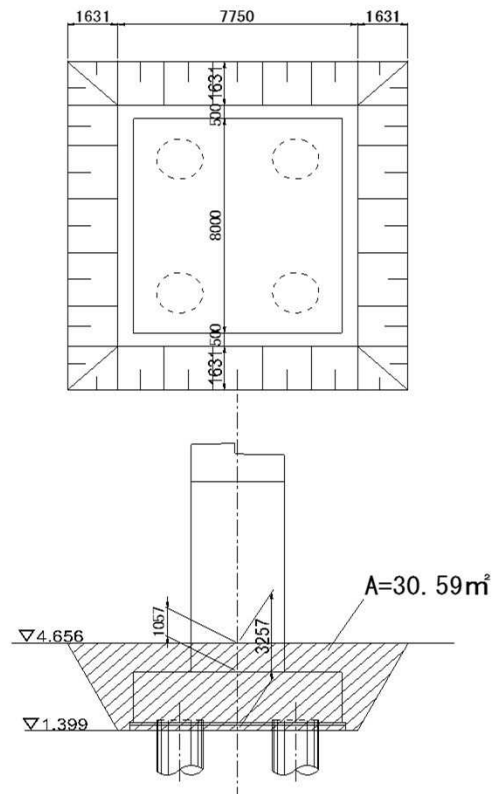
$$= 122.4 \text{ m}^3$$

$$A = 8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

$$\Sigma A = 49.9 \text{ m}^3$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	3.00
Pile cap width	8.00
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	4
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete

$$\text{Area} \quad 8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

$$\text{Volume} \quad 49.90 \times 0.10 = 5.0 \text{ m}^3$$

2) Form

$$(8.20 + 6.95) \times 0.10 \times 2 = 3.0 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap

Pile cap	8.00	×	6.75	×	1.90	=	102.6	m ³
Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	4	= -0.7 m ³

$$\Sigma V1 = 101.9 \text{ m}^3$$

2) Body

		1.30	×	1.20	×	0.19	×	5		=	1.5	m ³	
Beam		12.40	×	0.79	×	1.40				=	13.7	m ³	
Beam		12.40	×	1.00	×	3.00				=	37.2	m ³	
Beam	1/2		×	(12.40 + 7.00)	×	1.50	×	3.00		=	43.7	m ³	
Deduction for R300	-	(4	-	π)	×	0.30 ²	×	(1.00 + 3.09)		=	-0.3	m ³	
Deduction for R300	-	((4	-	π)	×	0.30 ²	×	0.79)	×	0.50	=	0.0	m ³
Addition for R1700	+	(2	-	π/2)	×	1.70 ²	×	3.00		=	3.7	m ³	
Colum		7.00	×	3.00	×	5.40				=	113.4	m ³	
Deduction for R300	-	(4	-	π)	×	0.30 ²	×	5.40		=	-0.4	m ³	

$$\Sigma V2 = 212.5 \text{ m}^3$$

6. Form work (reinforcement structure, $H \leq 30\text{m}$)

1) Pile cap

a) Common part

Pile cap (	8.00	+	6.75	)	×	1.90	×	2	=	56.1 m ²

$$\Sigma A1 = 56.1 \text{ m}^2$$

2) Body

b) Metal form for special part

	(1.30	+	1.20	)	×	0.19	×	2	×	5	=	4.8 m ²
Beam	(11.80	+	1.10	×	2	+	12.40	)	×	0.79	=	20.9 m ²
Beam	(11.80	+	2.40	)	×	1.00	×	2			=	28.4 m ²
Beam	1/2	×	(11.80 + 6.40)	×	1.50	×	2				=	27.3 m ²
Beam (Bottom) $\sqrt{}$ (	2.70^2	+	1.50^2	)	×	2.40	×	2			=	14.8 m ²
Colum (	6.40	+	2.40	)	×	1.00	×	2			=	17.6 m ²
Deduction for curve - (	1.000	+	1.000	)	×	2	×	2.40			=	-9.6 m ²
R1700 (	1.808	+	1.808	)	×	1	×	2.40			=	8.7 m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)				=	9.6 m ²
			π	×	0.30	×	0.79				=	0.7 m ²

$$\Sigma A2 = 123.2 \text{ m}^2$$

c) Metal form for ordinary part

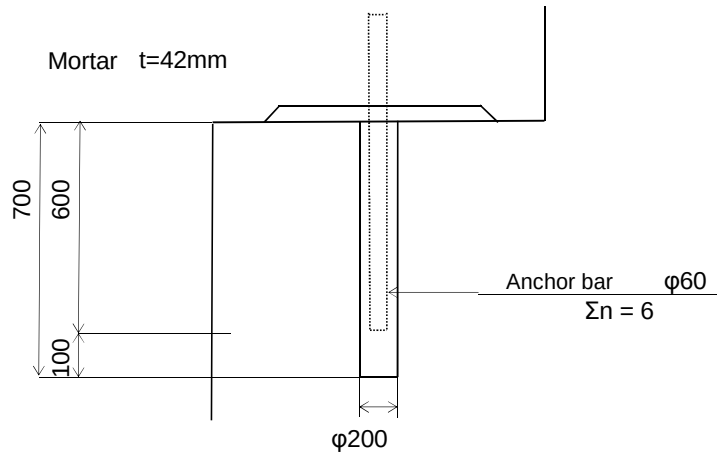
Colum (	6.40	+	2.40	)	×	4.40	×	2	=	77.4 m ²
R300	2	×	π	×	0.30	×	4.40		=	8.3 m ²

$$\Sigma A3 = 85.7 \text{ m}^2$$

7. Bearing work

- 1) For S-L Anchor 6 Position
Non-shrinkage mortar $t = 0.042$ m

$$\begin{aligned}
 A1 &= 1/2 \times (0.62 + 0.70) \times 1/2 \times (0.62 + 0.70) = 0.436 \text{ m}^2 \\
 V1 &= 0.44 \times 0.04 \times 4 = 0.070 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.20^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &\quad - \pi/4 \times 0.060^2 \times 0.60 \times 6 = -0.010 \text{ m}^3 \\
 \hline
 \text{計} &= 0.192 \text{ m}^3
 \end{aligned}$$

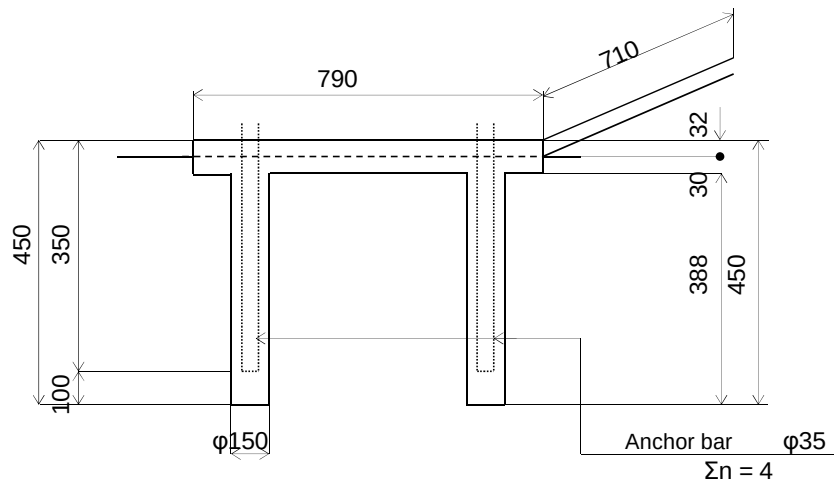


Bearing blockout (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

- 2) For S-R Anchor 5 Position(G1~G5)
Non-shrinkage mortar $t = 0.032$ m

$$\begin{aligned}
 V1 &= 0.79 \times 0.71 \times 0.03 \times 5 = 0.084 \text{ m}^3 \\
 V2 &= 0.79 \times 0.71 \times 0.03 \times 5 = 0.084 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.15 \times 0.15 \times 0.39 \times 4 \times 5 = 0.138 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.035 \times 0.035 \times 0.35 \times 4 \times 5 = -0.007 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.299 \text{ m}^3
 \end{aligned}$$



Bearing blocko (φ150)

$$L = 0.39 \times 4 \times 5 = 7.8 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	7,568	
D19	kg	1,286	
D22	kg	3,368	
D25	kg	3,495	
D29	kg	-----	
D32	kg	2,082	
Total	kg	17,799	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

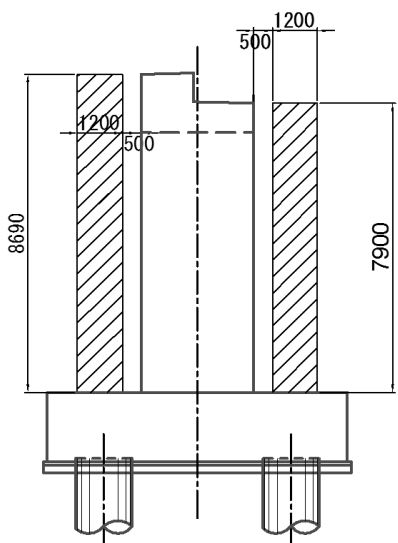
Mean height

Body $H = 8.30 \text{ m}$ Pole cap $HF = 1.90 \text{ m}$

Body $(14.60 + 5.20) \times 8.30 \times 2 = 328.7 \text{ 掛m}^2$

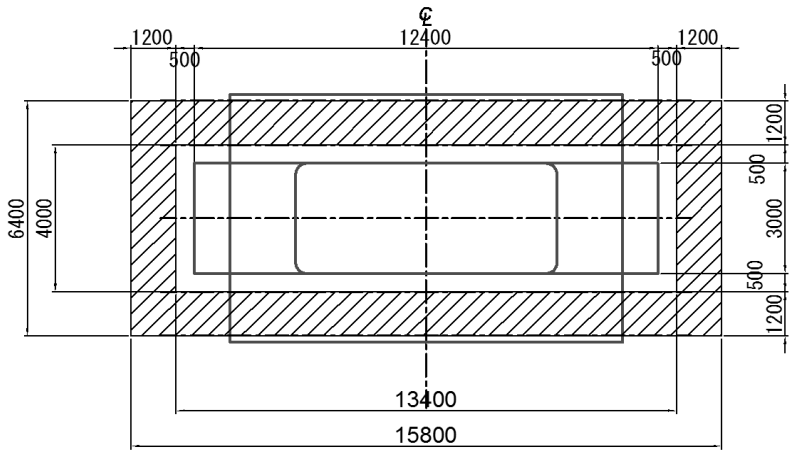
$\Sigma A = 329 \text{ 掛m}^2$

Side view



H	8.30	HF	1.90
B	12.40	B1	14.60
L	3.00	L1	5.20

Plane



Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

$$\text{Timbering W : } \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$\therefore W \leq 80 \text{ kN/m}^2$

$$\Sigma V = 99 \text{ m}^3$$

Technical drawing of a cross-section of a reinforced concrete slab. The slab has a total width of 7900 mm and a height of 7900 mm. The central part is a square opening with a side length of 7900 mm. The corners of the slab are reinforced with a cross-hatched pattern. The area of the reinforced corners is labeled as $A=16.44\text{m}^2$ on both sides. The drawing shows the slab supported by two columns.

11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)
Lemgth	32.50	(m)
Total number	4	(No)
Total length	130.0	(m)

Construction base	4.66
Pile head height	1.80
Over break length	2.86

(1)Concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 32.50 = 57.4 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi \times 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (4No)	Flare groove weld position
D13	14	56	—
D16	0	0	—
D19	1568	6272	—
D22	220	880	—
D25	1105	4420	—
D29	0	0	—
D32	2912	11648	—
D35	0	0	—
Total	5819	23276	0
Flat steel	86	344	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	35.36	35.36
2	0.00	0.00
3	0.00	0.00
Total	35.36	35.36
Weighted average		1.00

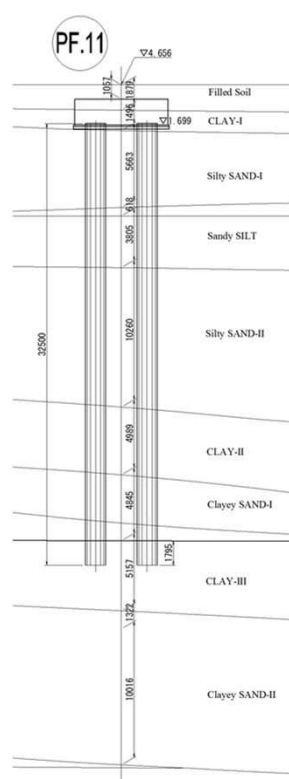
(5) Excavation volume (A=1.767 m²)

$$V = 1.767 \times 35.36$$

$$= 62.5 \text{ m}^3$$

Thickness for different N value	
Excavation ground	Excavation length(m)
Soil N value: Less than 20	13.46
Soil N value: 20~Less than 40	21.90
Soil N value: More than 40	0.00
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	35.36

Soil condition



§14. PF12 Quantity calculation

1 .Summary of quantity of PF12 pier

1)Main structure

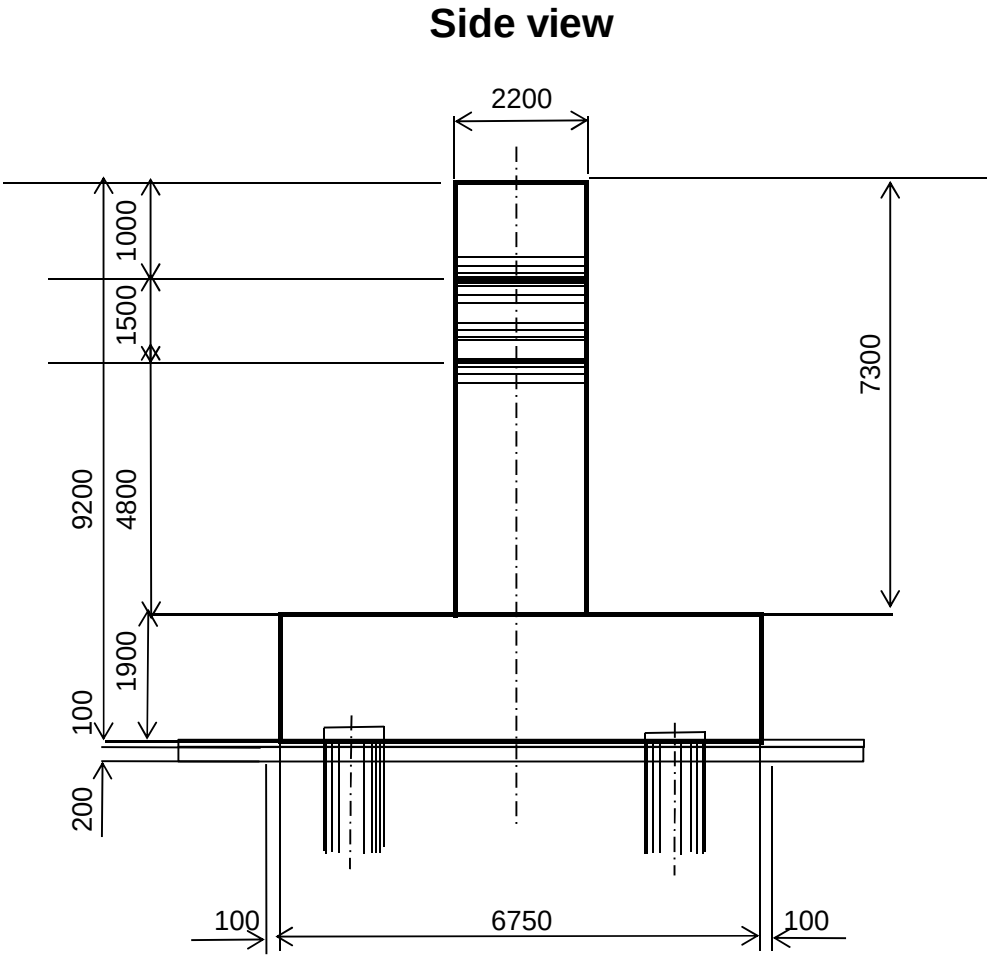
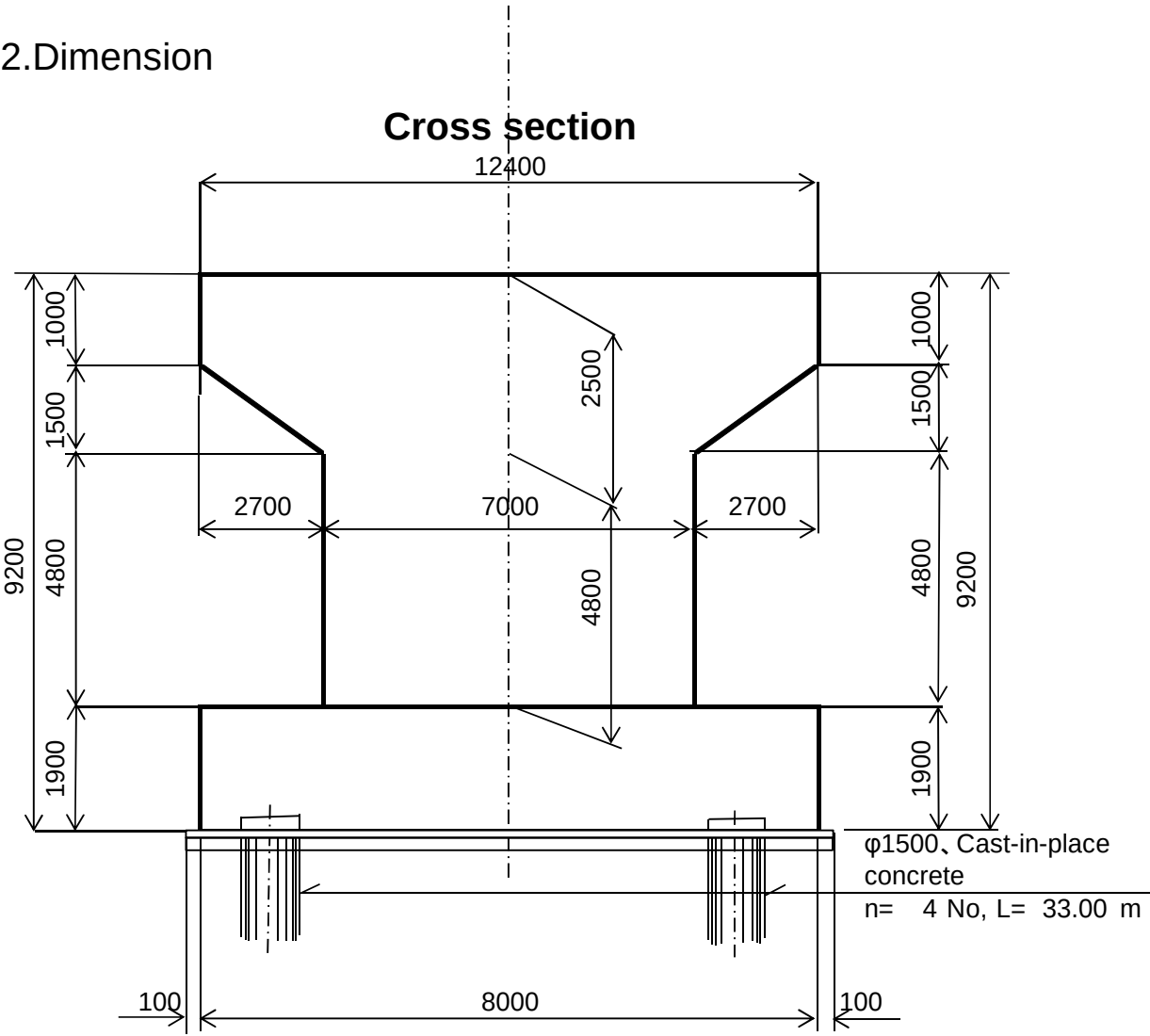
Item	Classification	Specification		Unit	PF12 Pier	Remarks
Earth work	Excavation	Soil		m ³	314.4	
	Backfill	Soil		m ³	178.8	
	Surplus soil treatment	Soil		m ³	115.7	
	Base levelling	-		m ²	49.9	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	239.5	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	56.1	
			Special part	m ²	95.1	Metal form
			Ordinary part	m ²	68.0	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	49.9	
	Form area	t = 100mm		m ²	3.0	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	5.0	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	4.880	
		D19		"	2.416	
		D22		"	2.823	
		D25		"	2.430	
		D29		"	0.706	
		D32		"	4.470	
		Total		"	17.725	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	277	
Blockout	Cylindrical form	φ175		m	11.0	
		Non-shrinkage mortar		m ³	0.43	
Foundation material	-	RC-40	t = 200	m ²	49.9	
Timbering	Wedge combination	H ≤ 30 m		m ³	66	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF12 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	4	
Design length		m	33.0	
Total length		m	132.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	58.3	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	56.5	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.592	
	D22	"	0.220	
	D25	"	1.133	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	5.871 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	35.8	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	63.3	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	13.8	
	Soil N value: 20~Less than 40	"	22.0	
	Soil N value: More than 40	"	0.0	
	Total	m	35.8	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rcllclclclcl}
 v1 & = & 1/2 & \times (& 0.00 & + & 30.28 &) \times & 1.62 & = & 24.5 \text{ m}^3 \\
 v2 & = & 30.28 & \times & 9.00 & & & & & = & 272.5 \text{ m}^3 \\
 v3 & = & 1/2 & \times (& 0.00 & + & 30.28 &) \times & 1.62 & = & 24.5 \text{ m}^3 \\
 \text{Volume of pile} & v4 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 4 & = & -7.1 \text{ m}^3 \\
 \text{(deducting)} & & & & & & & & & & & \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V1 & = & 314.4 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rcllclclclcl}
 \text{Deduction} & & & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 2.20 & \times & 1.03 & = & 15.9 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 8.00 & \times & 6.75 & \times & 1.90 & = & 102.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 8.20 & \times & 6.95 & \times & 0.30 & = & 17.1 \text{ m}^3 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V' & = & 135.6 \text{ m}^3 \\
 & & & & & & & & & & & & \\
 & & & & & & & & & & V2 & = & V1 - V' = 314.4 - 135.6 = 178.8 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	314.4	178.8	115.7

$$= 115.7 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rcllclclclcl}
 A & = & 8.20 & \times & 6.95 & - & \pi/4 & \times & 1.50^2 & \times & 4 & = & 49.9 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & \Sigma A & = & 49.9 \text{ m}^2
 \end{array}$$

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

$$\text{Volume } 49.90 \times 0.10 = 5.0 \text{ m}^3$$

2) Form

$$(8.20 + 6.95) \times 0.10 \times 2 = 3.0 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap 24-8-25

Pile cap	8.00	×	6.75	×	1.90	=	102.6	m ³
Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	4	= -0.7 m ³
$\Sigma V1$							=	101.9 m ³

2) Body 24-8-25

		1.70	×	1.50	×	0.19	×	5	=	2.4	m ³		
Beam		12.40	×	1.00	×	2.20			=	27.3	m ³		
Beam		1/2		×	(12.40 + 7.00)	×	1.50	×	2.20	=	32.0	m ³	
Deduction for R300	-	(4		-	π)	×	0.30 ²	×	(1.00 + 3.09)	=	-0.3	m ³	
Addition for R1700	+	(2		-	π/2)	×	1.70 ²	×	2.20	=	2.7	m ³	
Column		7.00	×	2.20	×	4.80			=	73.9	m ³		
Deduction for R300	-	(4		-	π)	×	0.30 ²	×	4.80	=	-0.4	m ³	
										ΣV2	=	137.6	m ³

6. Form work(reinforcement structure, $H \leq 30m$)

1) Pile cap

a) Common part

Pile cap (	8.00	+	6.75	)	×	1.90	×	2	=	56.1 m ²
ΣA1									=	56.1 m ²

2) Body

b) Metal form for special part

	(1.70	+	1.50	)	×	0.19	×	2	×	5	=	6.1 m ²
Beam	(11.80	+	1.60	)	×	1.00	×	2			=	26.8 m ²
Beam	1/2	×	(11.80 + 6.40	)	×	1.50	×	2			=	27.3 m ²
Beam(Bottom) √(	2.70 ²	+	1.50 ²	)	×	1.60	×	2			=	9.9 m ²
Column (	6.40	+	1.60	)	×	1.00	×	2			=	16.0 m ²
Deduction for curve -(	1.000	+	1.000	)	×	2	×	1.60			=	-6.4 m ²
R1700 (	1.808	+	1.808	)	×	1	×	1.60			=	5.8 m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)				=	9.6 m ²
ΣA2											=	95.1 m ²

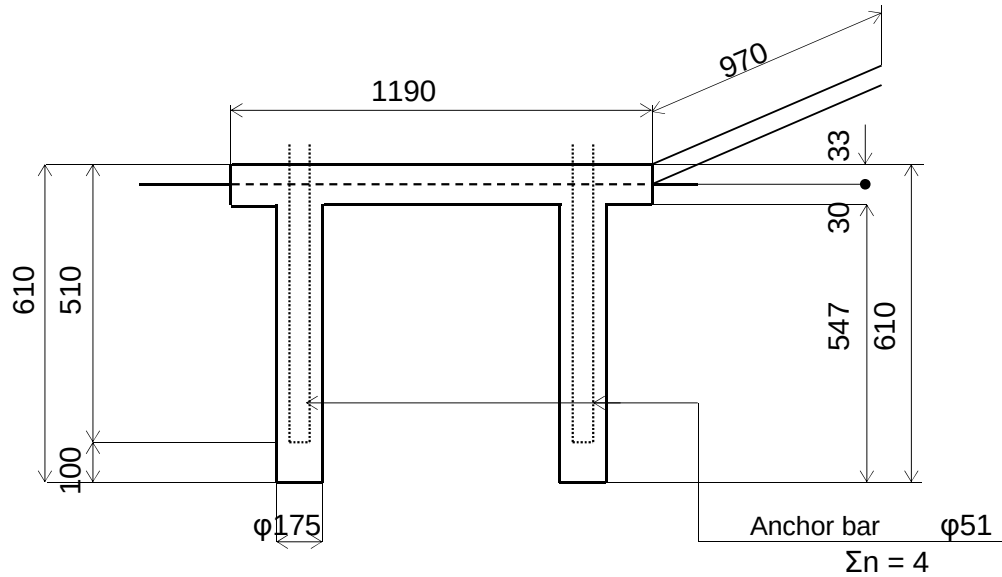
c) Metal form for ordinary part

Column (	6.40	+	1.60	)	×	3.80	×	2	=	60.8	m ²
R300	2	×	π	×	0.30	×	3.80		=	7.2	m ²
$\Sigma A3$									=	68.0	m ²

7. Bearing work

1) For S-R Anchor 5 Position(G1~G5)
Non-shrinkage mortar $t = 0.033 \text{ m}$

$$\begin{aligned}
 V1 &= 1.19 \times 0.97 \times 0.03 \times 5 &= 0.173 \text{ m}^3 \\
 V2 &= \pi/4 \times 0.18 \times 0.18 \times 0.55 \times 4 \times 5 &= 0.280 \text{ m}^3 \\
 V3 &= -\pi/4 \times 0.051 \times 0.051 \times 0.51 \times 4 \times 5 &= -0.021 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.432 \text{ m}^3
 \end{aligned}$$



Bearing block (φ175)

$$L = 0.55 \times 4 \times 5 = 11.0 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	4,880	
D19	kg	2,416	
D22	kg	2,823	
D25	kg	2,430	
D29	kg	706	
D32	kg	4,470	
Total	kg	17,725	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

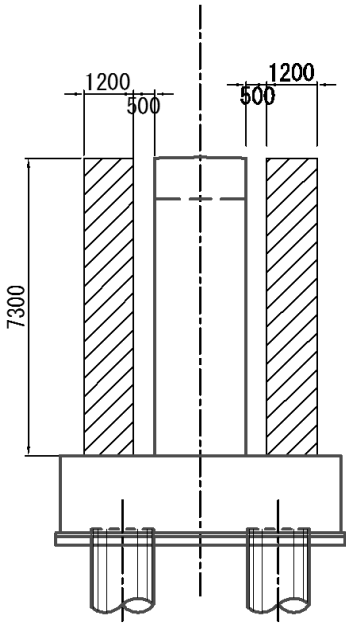
Mean height

Body $H = 7.30 \text{ m}$ Pule cap $HF = 1.90 \text{ m}$

Body $(14.60 + 4.40) \times 7.30 \times 2 = 277.4 \text{ m}^2$

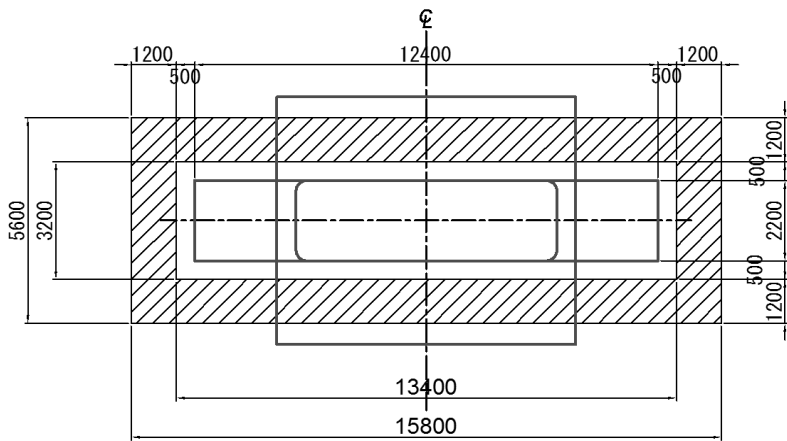
$\Sigma A = 277 \text{ m}^2$

Side view



H	7.3	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering strength } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

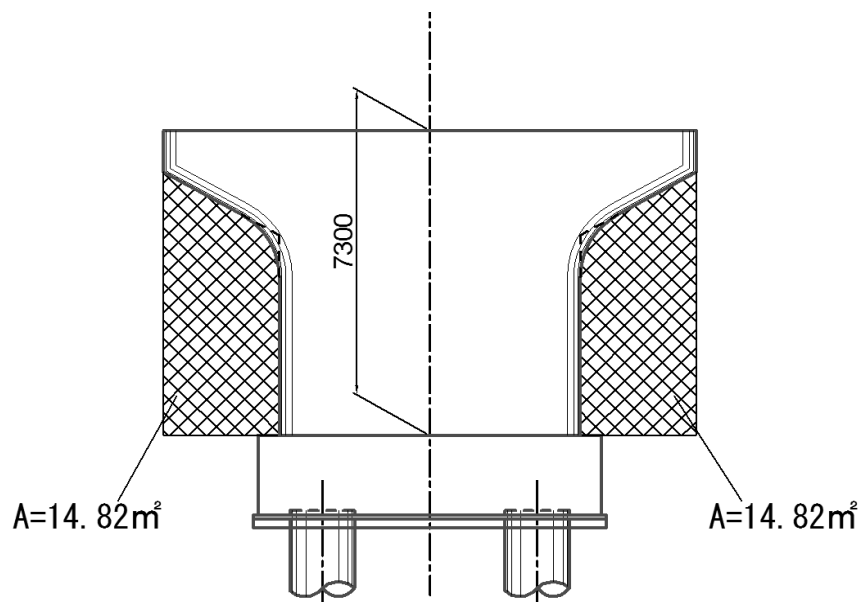
$$\text{Left side } V1 = 14.82 \times 2.20 = 32.6 \text{ m}^3$$

$$\text{Right side } V2 = 14.82 \times 2.20 = 32.6 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 4.80) = 0.7 \text{ m}^3$$

$$\hline \Sigma V = 66 \text{ m}^3$$

Thickness of beam ; t = 2.20 m



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.84
Lemgth	33.00	(m)	Pile head height	2.01
Total number	4	(No)	Over break length	2.83
Total length	132.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 33.00 = 58.3 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (4No)	Flare groove weld position
D13	14	56	—
D16	-----	-----	—
D19	1,592	6,368	—
D22	220	880	—
D25	1,133	4,532	—
D29	-----	-----	—
D32	2,912	11,648	—
D35	-----	-----	—
Total	5,871	23,484	—
Flat steel	86	344	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel・clay・sand	1.00
2	Rock・cobble stone・soft rock	1.80
3	Hard rock・medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	35.83	35.83
2	0.00	0.00
3	0.00	0.00
Total	35.83	35.83
Weighted average		1.00

(5) Excavation (A=1.767 m²)
volume

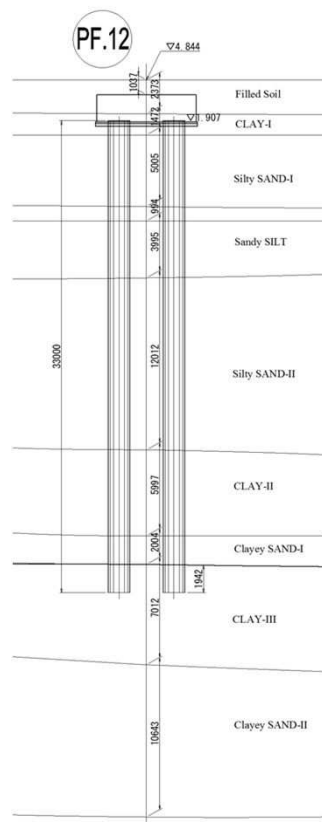
$$V = 1.767 \times 35.83$$

$$= 63.3 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	13.83
Soil N value: 20~Less than 40	22.00
Soil N value: More than 40	0.00
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	35.83

Soil condition



§15. PF13 Quantity calculation

1 .Summary of quantity of PF13 pier

1)Main structure

Item	Classification	Specification		Unit	PF13 Pier	Remarks
Earth work	Excavation	Soil		m ³	320.0	
	Backfill	Soil		m ³	183.7	
	Surplus soil treatment	Soil		m ³	115.9	
	Base levelling	-		m ²	49.9	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	225.8	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	56.1	
			Special part	m ²	95.1	Metal form
			Ordinary part	m ²	51.9	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	49.9	
	Form area	t = 100mm		m ²	3.0	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	5.0	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	4.413	
		D19		"	2.416	
		D22		"	2.823	
		D25		"	2.187	
		D29		"	0.706	
		D32		"	4.470	
		Total		"	17.015	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	243	
Blockout	Cylindrical form	φ175		m	11.0	
		Non-shrinkage mortar		m ³	0.43	
Foundation material	-	RC-40	t = 200	m ²	49.9	
Timbering	Wedge combination	H ≤ 30 m		m ³	55	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF13 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	4	
Design length		m	32.5	
Total length		m	130.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	57.4	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	55.6	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.568	
	D22	"	0.220	
	D25	"	1.105	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	5.819 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	35.4	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	62.5	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.8	
	Soil N value: 20~Less than 40	"	23.6	
	Soil N value: More than 40	"	0.0	
	Total	m	35.4	

※() Is flare groove weld position

2.Dimension

The diagram illustrates the cross-section of a bridge structure. The main body is a rectangular box with a total width of 12400 mm and a total height of 8300 mm. The top flange has a thickness of 1000 mm. The web height is 3900 mm. The bottom flange has a thickness of 1900 mm. The internal width of the box is 7000 mm. The side walls are 2700 mm thick. The bottom reinforcement consists of 4 No. 1500 bars, cast-in-place concrete, with a length of 32.50 m. The reinforcement is shown as a series of vertical lines within the bottom flange. The overall width of the structure, including the side walls, is 12400 mm. The overall height, including the top and bottom flanges, is 8300 mm. The diagram also shows the reinforcement details for the bottom flange, including the number of bars (4 No.) and the length (32.50 m).

Cross section

12400

8300

1000

1500

3900

1900

2700

7000

2500

3900

1000

1500

2700

100

8000

100

φ1500, Cast-in-place concrete

n= 4 No, L= 32.50 m

Technical drawing of a reinforced concrete cross-section of a column. The section is T-shaped. The total height is 6400 mm. The total width is 2200 mm. The base slab has a thickness of 200 mm. The column stem has a width of 2200 mm and a height of 3900 mm. The base slab has a width of 6750 mm. The drawing shows reinforcement bars (rebar) in both the column stem and the base slab. Dimensions are given in millimeters (mm).

3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rclclclcl}
 v1 & = & 1/2 & \times (& 0.00 & + & 30.77 &) \times & 1.63 & = & 25.1 \text{ m}^3 \\
 v2 & = & 30.77 & \times & 9.00 & & & & & = & 276.9 \text{ m}^3 \\
 v3 & = & 1/2 & \times (& 0.00 & + & 30.77 &) \times & 1.63 & = & 25.1 \text{ m}^3 \\
 \text{Volume of pile} & v4 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 4 & = & -7.1 \text{ m}^3 \\
 \text{(deducting)} & & & & & & & & & & & \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V1 & = & 320.0 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rclclclcl}
 \text{Deduction} & & & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 2.20 & \times & 1.08 & = & 16.6 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 8.00 & \times & 6.75 & \times & 1.90 & = & 102.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 8.20 & \times & 6.95 & \times & 0.30 & = & 17.1 \text{ m}^3 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V' & = & 136.3 \text{ m}^3 \\
 & & & & & & & & & & & & \\
 V2 & = & V1 - V' & = & 320.0 & - & 136.3 & = & 183.7 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	320.0	183.7	115.9

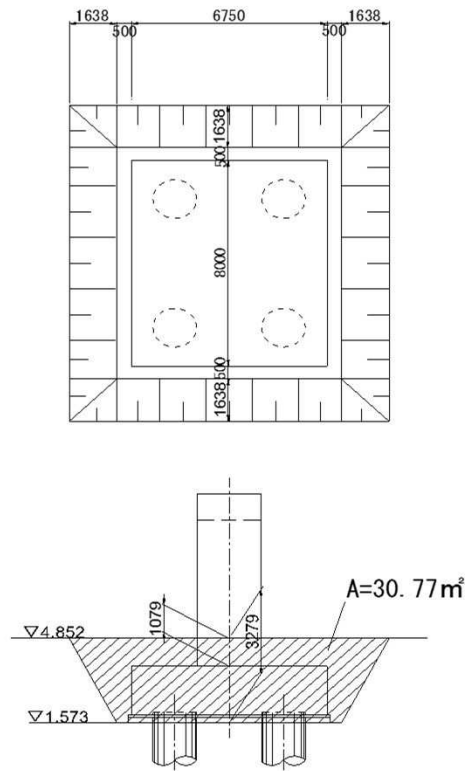
$$= 115.9 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rclclclcl}
 A & = & 8.20 & \times & 6.95 & - & \pi/4 & \times & 1.50^2 & \times & 4 & = & 49.9 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & \Sigma A & = & 49.9 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	8.00
Pile cap depth	6.75
Pile cap thickness	1.90
Number of pile	4
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 8.20 \times 6.95 - \pi/4 \times 1.50^2 \times 4 = 49.9 \text{ m}^2$$

$$\text{Volume } 49.90 \times 0.10 = 5.0 \text{ m}^3$$

2) Form

$$(8.20 + 6.95) \times 0.10 \times 2 = 3.0 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1)	Pile cap	24-8-25							
	Pile cap	8.00	×	6.75	×	1.90		=	102.6 m ³
	Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	4	= -0.7 m ³
									$\Sigma V1 = 101.9 \text{ m}^3$
2)	Body	24-8-25							
		1.70	×	1.50	×	0.19	×	5	= 2.4 m ³
	Beam	12.40	×	1.00	×	2.20		=	27.3 m ³
	Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	(1.00 + 3.09)	= -0.3 m ³
	Addition for R1700 +	(2	-	$\pi/2$	)×	1.70^2	×	2.20	= 2.7 m ³
	Colum	7.00	×	2.20	×	3.90		=	60.1 m ³
	Deduction for R300 -	(4	-	π	)×	0.30^2	×	3.90	= -0.3 m ³
									$\Sigma V2 = 123.9 \text{ m}^3$

6. Form work (reinforcement structure, $H \leq 30\text{m}$)

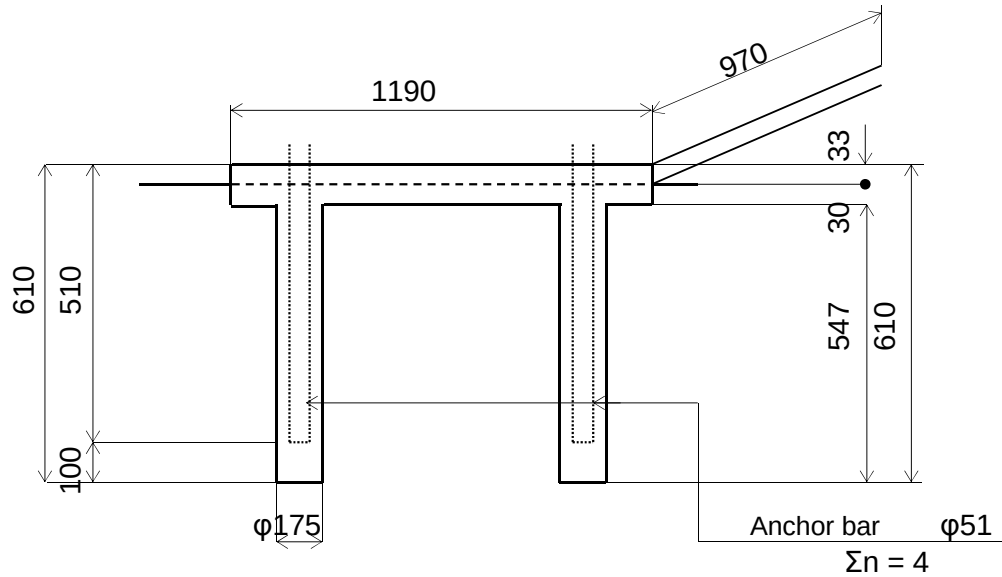
1)	Pile cap										
	a) Common part										
	Pile cap (	8.00	+	6.75	)×	1.90	×	2	=	56.1 m ²	
										ΣA1 = 56.1 m ²	
2)	Body										
	b) Metal form for special part										
		(1.70	+	1.50	)×	0.19	×	2	×	5	= 6.1 m ²
	Beam	(11.80	+	1.60	)×	1.00	×	2			= 26.8 m ²
	Beam	1/2	×	(11.80 + 6.40	)×	1.50	×	2			= 27.3 m ²
	Beam(Bottom) √(	2.70 ²	+	1.50 ²	)×	1.60	×	2			= 9.9 m ²
	Beam(Bottom) (	6.40	+	1.60	)×	1.00	×	2			= 16.0 m ²
	Colum -(	1.000	+	1.000	)×	2	×	1.60			= -6.4 m ²
	Deduction for curve (	1.808	+	1.808	)×	1	×	1.60			= 5.8 m ²
	R1700	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)			= 9.6 m ²
	R300									ΣA2 = 95.1 m ²	
	c) Metal form for ordinary part										
	Colum (	6.40	+	1.60	)×	2.90	×	2			= 46.4 m ²
	R300	2	×	π	×	0.30	×	2.90			= 5.5 m ²
										ΣA3 = 51.9 m ²	

7. Bearing work

1) For S Anchor 5 Position(G1~G5)

Non-shrinkage mortar $t = 0.033 \text{ m}$

$$\begin{aligned}
 V1 &= 1.19 \times 0.97 \times 0.03 \times 5 &= 0.173 \text{ m}^3 \\
 V3 &= \pi/4 \times 0.18 \times 0.18 \times 0.55 \times 4 \times 5 &= 0.280 \text{ m}^3 \\
 V4 &= -\pi/4 \times 0.051 \times 0.051 \times 0.51 \times 4 \times 5 &= -0.021 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.432 \text{ m}^3
 \end{aligned}$$



Bearing block ($\phi 175$)

$$L = 0.55 \times 4 \times 5 = 11.0 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	4,413	
D19	kg	2,416	
D22	kg	2,823	
D25	kg	2,187	
D29	kg	706	
D32	kg	4,470	
Total	kg	17,015	

9. Scaffolding

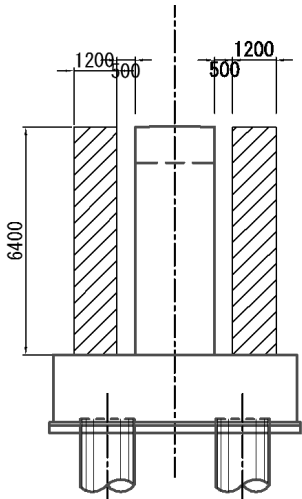
Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

Mean height
Body H = 6.40 m Pule cap HF = 1.90 m

Body (14.60 + 4.40)× 6.40 × 2 = 243.2 m²

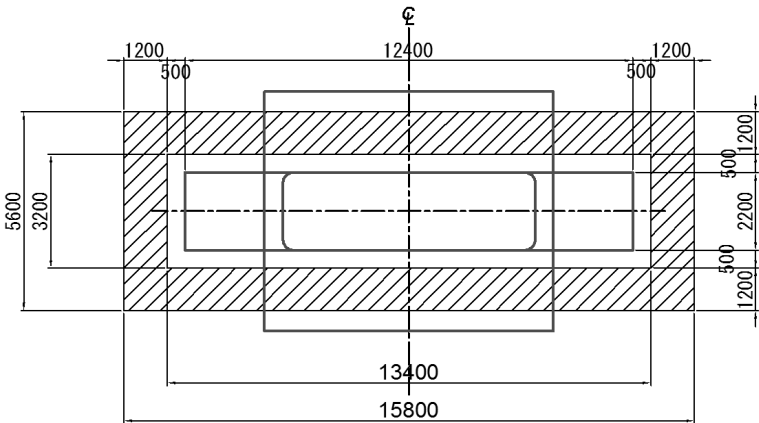
$\Sigma A = 243 \text{ m}^2$

Side view



H	6.4	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

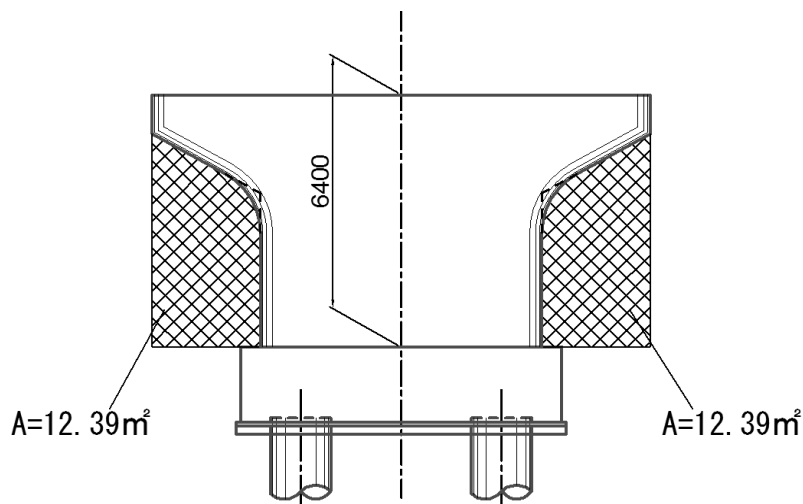
$$\text{Left side } V1 = 12.39 \times 2.20 = 27.3 \text{ m}^3$$

$$\text{Right side } V2 = 12.39 \times 2.20 = 27.3 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 3.90) = 0.6 \text{ m}^3$$

$$\Sigma V = 55 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.85
Lemgth	32.50	(m)	Pile head height	1.98
Total number	4	(No)	Over break length	2.87
Total length	130.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 32.50 = 57.4 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (4No)	Flare groove weld position
D13	14	56	—
D16	-----	-----	—
D19	1,568	6,272	—
D22	220	880	—
D25	1,105	4,420	—
D29	-----	-----	—
D32	2,912	11,648	—
D35	-----	-----	—
Total	5,819	23,276	—
Flat steel	86	344	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	35.37	35.37
2	0.00	0.00
3	0.00	0.00
Total	35.37	35.37
Weighted average		1.00

(5) Excavation (A=1.767 m²)
volume

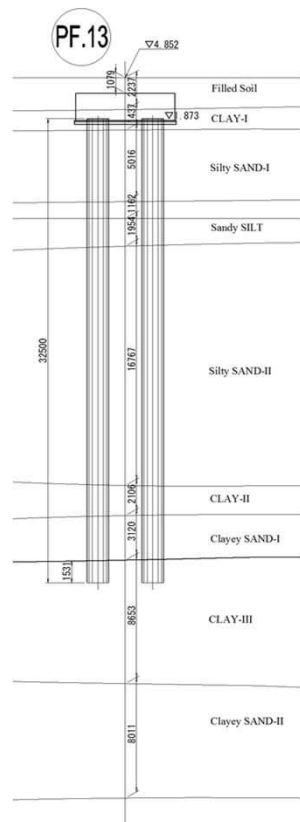
$$V = 1.767 \times 35.37$$

$$= 62.5 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.80
Soil N value: 20~Less than 40	23.57
Soil N value: More than 40	0.00
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	35.37

Soil condition



§16. PF14 Quantity calculation

1.Summary of quantity of PF14 pier

1)Main structure

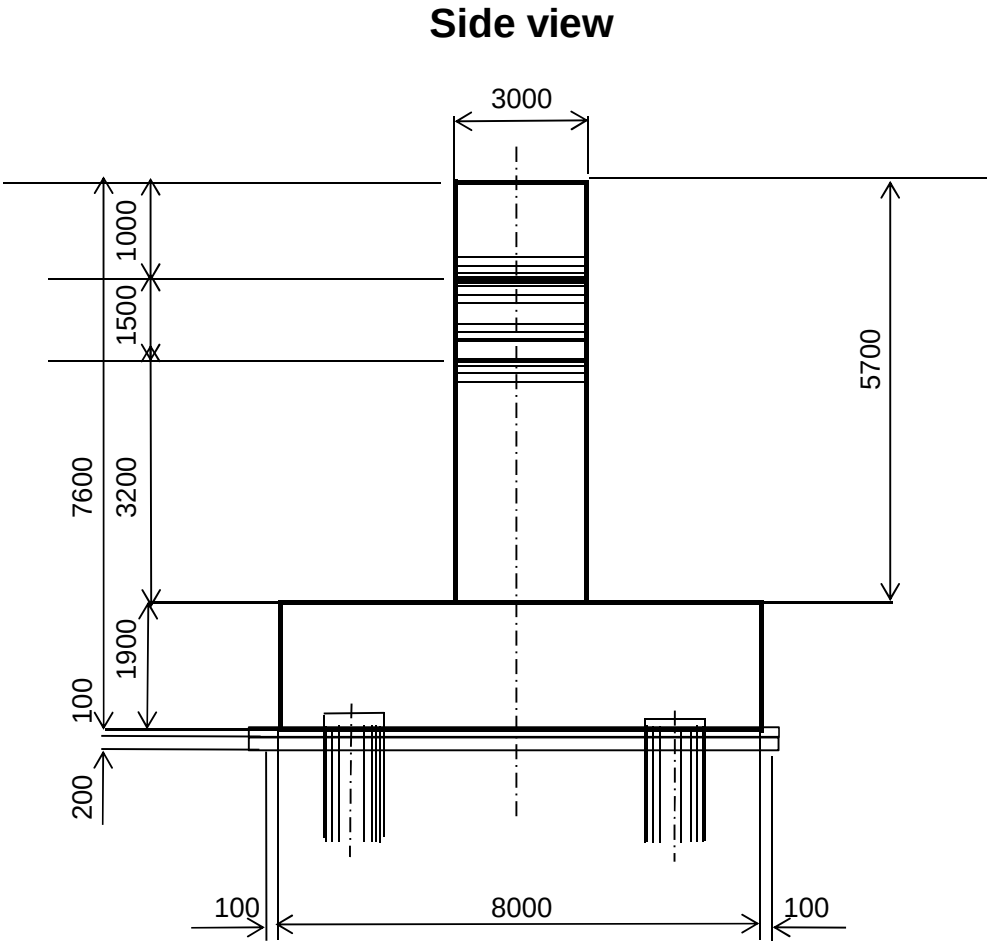
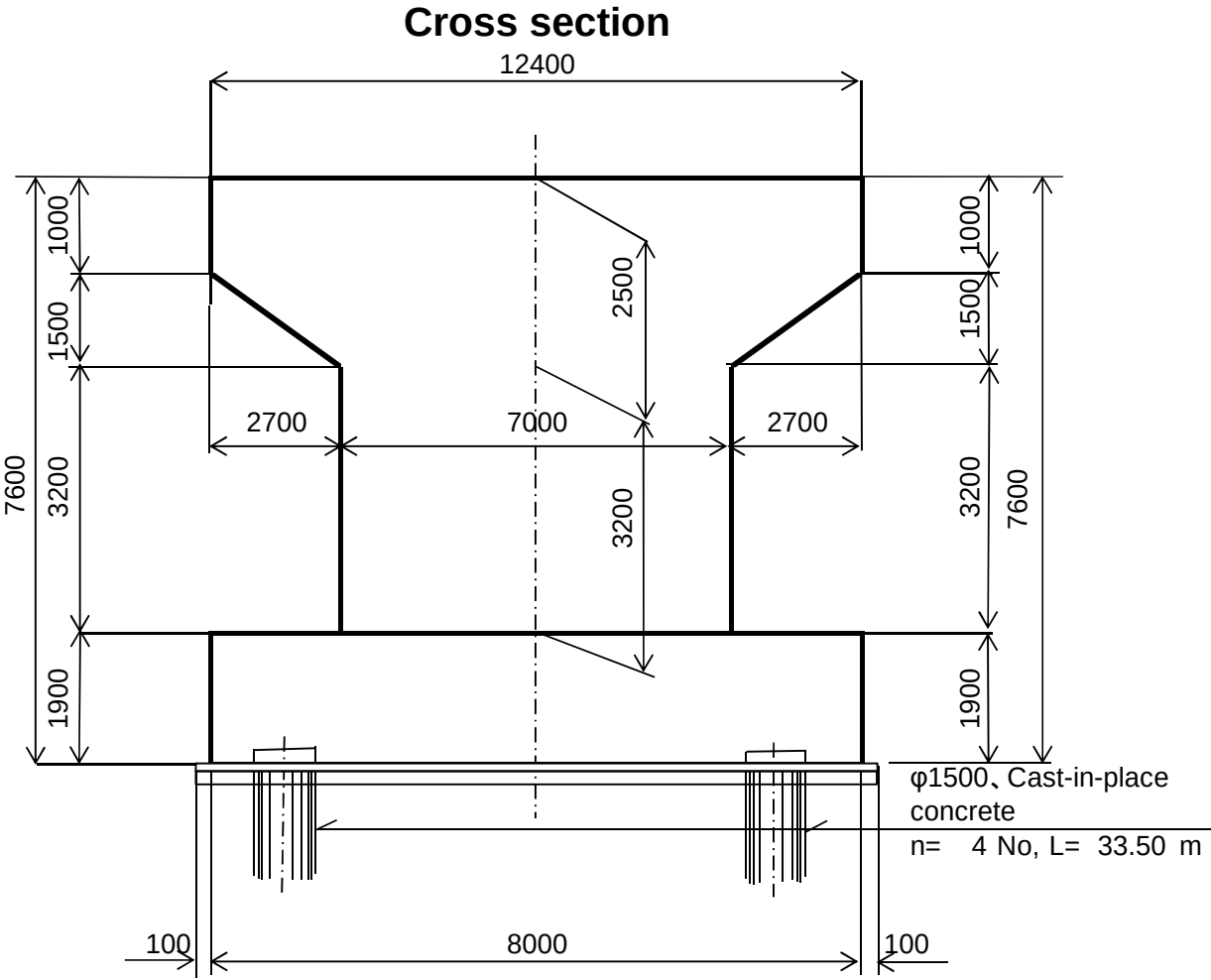
Item	Classification	Specification		Unit	PF14 Pier	Remarks
Earth work	Excavation	Soil		m ³	355.7	
	Backfill	Soil		m ³	176.1	
	Surplus soil treatment	Soil		m ³	160.0	
	Base levelling	-		m ²	60.2	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	289.9	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	60.8	
			Special part	m ²	126.2	Metal form
			Ordinary part	m ²	42.8	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	60.2	
	Form area	t = 100mm		m ²	3.3	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	6.0	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	5.360	
		D19		"	1.939	
		D22		"	2.420	
		D25		"	0.597	
		D29		"	3.223	
		D32		"	9.823	
		Total		"	23.362	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	244	
Blockout	Cylindrical form	φ150		m	7.8	
		φ200		m	4.2	
		Non-shrinkage mortar		m ³	0.45	
Foundation material	-	RC-40	t = 200	m ²	60.2	
Timbering	Wedge combination	H ≤ 30 m		m ³	64	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF14 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	4	
Design length		m	33.5	
Total length		m	134.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	59.2	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	57.4	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.625	
	D22	"	0.220	
	D25	"	1.600	
	D29	"	-----	
	D32	"	3.407	
	D35	"	-----	
	Total	"	6.866 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	36.3	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	64.2	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	11.6	
	Soil N value: 20~Less than 40	"	24.8	
	Soil N value: More than 40	"	0.0	
	Total	m	36.3	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{rclclclcl}
 v1 & = & 1/2 & \times (& 0.00 & + & 34.13 &) \times & 1.63 & = & 27.8 \text{ m}^3 \\
 v2 & = & 34.13 & \times & 9.00 & & & & & = & 307.2 \text{ m}^3 \\
 v3 & = & 1/2 & \times (& 0.00 & + & 34.13 &) \times & 1.63 & = & 27.8 \text{ m}^3 \\
 \text{Volume of pile} & v4 & = & -\pi/4 & \times & 1.50^2 & \times & 1.00 & \times & 4 & = & -7.1 \text{ m}^3 \\
 \text{(deducting)} & & & & & & & & & & & \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V1 & = & 355.7 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{rclclclcl}
 \text{Deduction} & & & & & & & & & & & \\
 \text{Colum} & v1 & = & 7.00 & \times & 3.00 & \times & 1.80 & = & 37.8 \text{ m}^3 \\
 \text{Pile cap} & v2 & = & 8.00 & \times & 8.00 & \times & 1.90 & = & 121.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 & = & 8.20 & \times & 8.20 & \times & 0.30 & = & 20.2 \text{ m}^3 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & V' & = & 179.6 \text{ m}^3 \\
 & & & & & & & & & & & & \\
 V2 & = & V1 - V' & = & 355.7 & - & 179.6 & = & 176.1 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	355.7	176.1	160.0

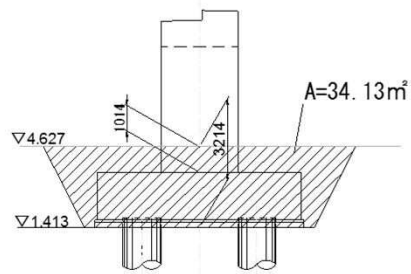
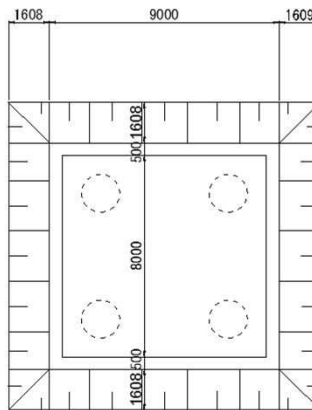
$$= 160.0 \text{ m}^3$$

4) Base levelling

$$\begin{array}{rclclclcl}
 A & = & 8.20 & \times & 8.20 & - & \pi/4 & \times & 1.50^2 & \times & 4 & = & 60.2 \text{ m}^2 \\
 & & & & & & & & & & \hline
 & & & & & & & & & & \Sigma A & = & 60.2 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	3.00
Pile cap width	8.00
Pile cap depth	8.00
Pile cap thickness	1.90
Number of pile	4
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$8.20 \times 8.20 - \pi/4 \times 1.50^2 \times 4 = 60.2 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete

$$\text{Area} \quad 8.20 \times 8.20 - \pi/4 \times 1.50^2 \times 4 = 60.2 \text{ m}^2$$

$$\text{Volume} \quad 60.20 \times 0.10 = 6.0 \text{ m}^3$$

2) Form

$$(8.20 + 8.20) \times 0.10 \times 2 = 3.3 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1) Pile cap

Pile cap	8.00	×	8.00	×	1.90		=	121.6	m ³	
Deduction for pile - $\pi/4$		×	1.50^2	×	0.10	×	4	=	-0.7	m ³
$\Sigma V1$	=							120.9	m ³	

2) Body

			1.30	×	1.20	×	0.19	×	5		=	1.5	m ³		
Beam			12.40	×	0.90	×	1.45				=	16.2	m ³		
Beam			12.40	×	1.00	×	3.00				=	37.2	m ³		
Beam		1/2		×	(12.40	+	7.00	)×	1.50	×	3.00	=	43.7 m ³		
Deduction for R300	-	(4		-	π	)×	0.30 ²	×	(1.00	+	3.09	)	= -0.3 m ³		
Deduction for R300	-	((4		-	π	)×	0.30 ²	×	0.90	)×	0.50	=	0.0 m ³		
Addition for R1700	+	(2		-	π/2	)×	1.70 ²	×	3.00		=	3.7 m ³			
Column			7.00	×	3.00	×	3.20				=	67.2	m ³		
Deduction for R300	-	(4		-	π	)×	0.30 ²	×	3.20		=	-0.2	m ³		
												ΣV2	=	169.0	m ³

6. Form work (reinforcement structure, $H \leq 30m$)

1) Pile cap

a) Common part

Pile cap (	8.00	+	8.00	)	×	1.90	×	2	=	60.8	m ²
ΣA1	=									60.8	m ²

2) Body

b) Metal form for special part

	(1.30	+	1.20	)	×	0.19	×	2	×	5	=	4.8	m ²
Beam	(11.80	+	1.10	×	2	+	12.40	)	×	0.90	=	23.8	m ²
Beam	(11.80	+	2.40	)	×	1.00	×	2			=	28.4	m ²
Beam	1/2	×	(11.80 + 6.40	)	×	1.50	×	2			=	27.3	m ²
Beam (Bottom) $\sqrt{}$	2.70^2	+	1.50^2	)	×	2.40	×	2			=	14.8	m ²
Column (		+	2.40	)	×	1.00	×	2			=	17.6	m ²
Deduction for curve -	(1.000	+	1.000	)	×	2	×	2.40			=	-9.6	m ²
R1700 (	1.808	+	1.808	)	×	1	×	2.40			=	8.7	m ²
R300	2	×	π	×	0.30	×	(1.00 + 3.09 + 1.00)				=	9.6	m ²
			π	×	0.30	×	0.90				=	0.8	m ²
$\Sigma A2$											=	126.2	m ²

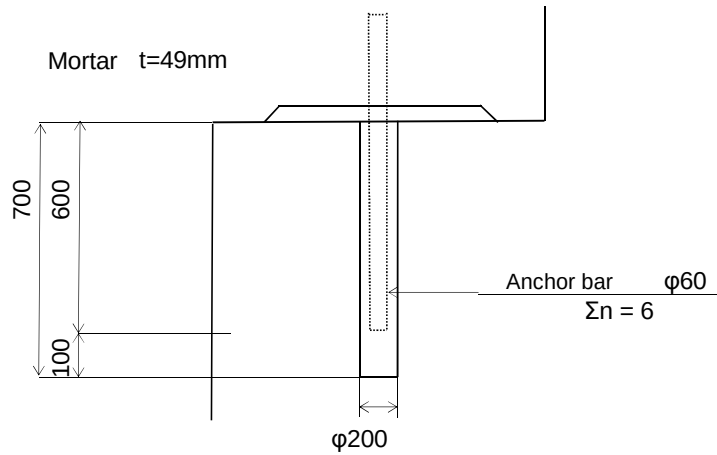
c) Metal form for ordinary part

Column (	6.40	+	2.40	)	×	2.20	×	2	=	38.7	m ²
R300	2	×	π	×	0.30	×	2.20	=	4.1	m ²	
$\Sigma A3$	=								42.8	m ²	

7. Bearing work

- 1) For S-R Anchor 6 Position
Non-shrinkage mortar $t = 0.049$ m

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.72) \times \frac{1}{2} \times (0.57 + 0.67) = 0.415 \text{ m}^2 \\
 V1 &= 0.42 \times 0.05 \times 4 = 0.084 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.200^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.055^2 \times 0.60 \times 6 = -0.009 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.207 \text{ m}^3
 \end{aligned}$$

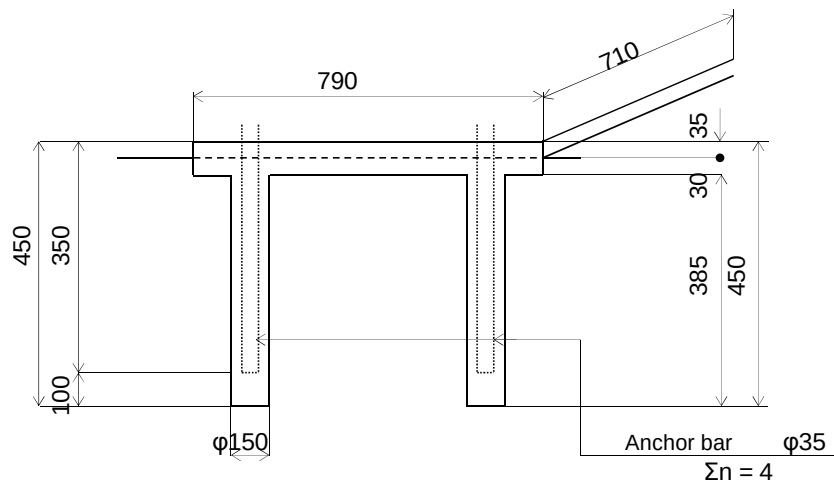


Bearing blockout (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

- 2) For S-L Anchor 5 Position(G1~G5)
Non-shrinkage mortar $t = 0.035$ m

$$\begin{aligned}
 V1 &= 0.79 \times 0.71 \times 0.04 \times 5 = 0.112 \text{ m}^3 \\
 V3 &= \frac{\pi}{4} \times 0.15 \times 0.15 \times 0.39 \times 4 \times 5 = 0.138 \text{ m}^3 \\
 V4 &= -\frac{\pi}{4} \times 0.035 \times 0.035 \times 0.35 \times 4 \times 5 = -0.007 \text{ m}^3 \\
 \hline
 \Sigma V &= 0.243 \text{ m}^3
 \end{aligned}$$



Bearing block (φ150)

$$L = 0.39 \times 4 \times 5 = 7.8 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	5,360	
D19	kg	1,939	
D22	kg	2,420	
D25	kg	597	
D29	kg	3,223	
D32	kg	9,823	
Total	kg	23,362	

9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

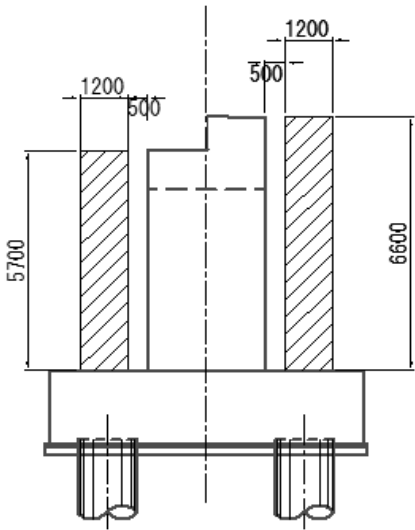
Mean height

Body $H = 6.15 \text{ m}$ Pole cap $HF = 1.90 \text{ m}$

Body $(14.60 + 5.20) \times 6.15 \times 2 = 243.5 \text{ 掛m}^2$

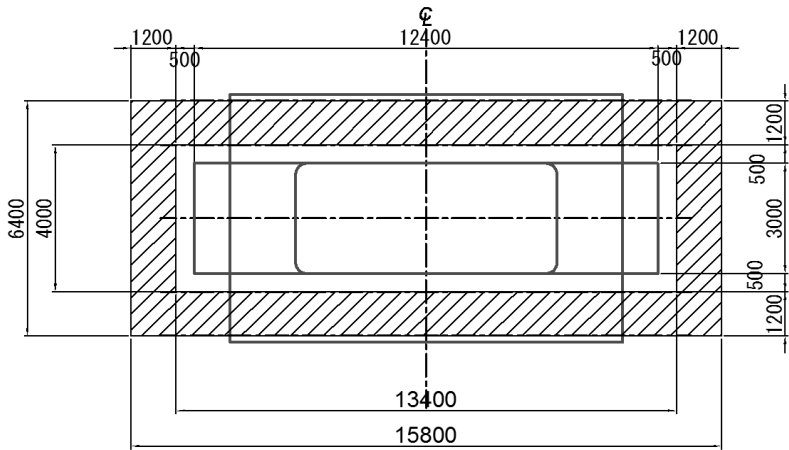
$\Sigma A = 244 \text{ 掛m}^2$

Side view



H	6.15	HF	1.90
B	12.40	B1	14.60
L	3.00	L1	5.20

Plane



Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

$$\text{Timbering W : } \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$\therefore W \leq 80 \text{ kN/m}^2$

$$\Sigma V = 64 \text{ m}^3$$

Technical drawing of a bridge cross-section. The main structure is a rectangular box girder with a height of 5700 mm. The side walls are cross-hatched and labeled with an area of $A=10.50\text{m}^2$. The bottom flange is supported by two vertical piers, also labeled with an area of $A=10.50\text{m}^2$. A vertical dashed line indicates the centerline.

11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.63
Lemgth	33.50	(m)	Pile head height	1.82
Total number	4	(No)	Over break length	2.81
Total length	134.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 33.50 = 59.2 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (4No)	Flare groove weld position
D13	14	56	—
D16	0	0	—
D19	1625	6500	—
D22	220	880	—
D25	1600	6400	—
D29	0	0	—
D32	3407	13628	—
D35	0	0	—
Total	6866	27464	0
Flat steel	86	344	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	36.31	36.31
2	0.00	0.00
3	0.00	0.00
Total	36.31	36.31
Weighted average		1.00

(5) Excavation (A=1.767 m²)
volume

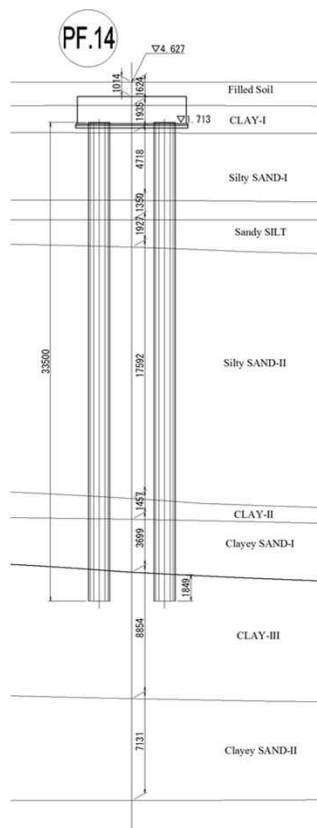
$$V = 1.767 \times 36.31$$

$$= 64.2 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	11.55
Soil N value: 20~Less than 40	24.76
Soil N value: More than 40	0.00
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	36.31

Soil condition



§17. PF15 Quantity calculation

1 .Summary of quantity of PF15 pier

1)Main structure

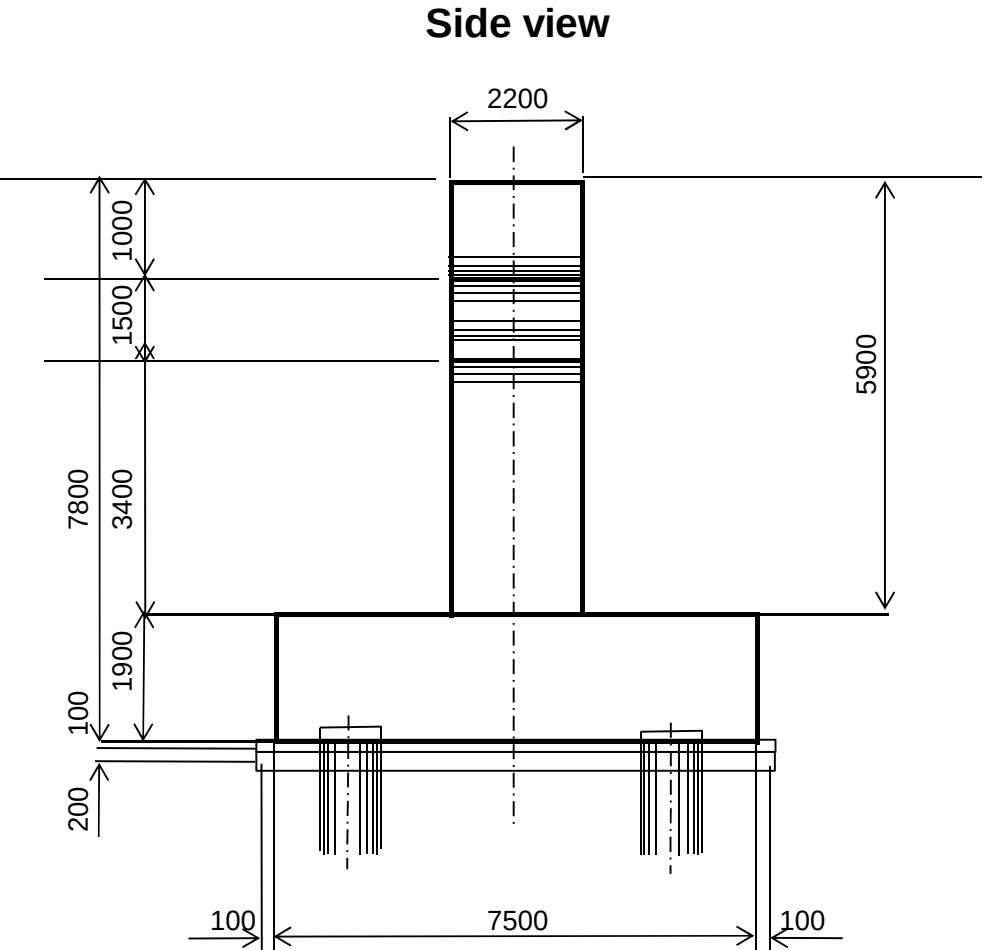
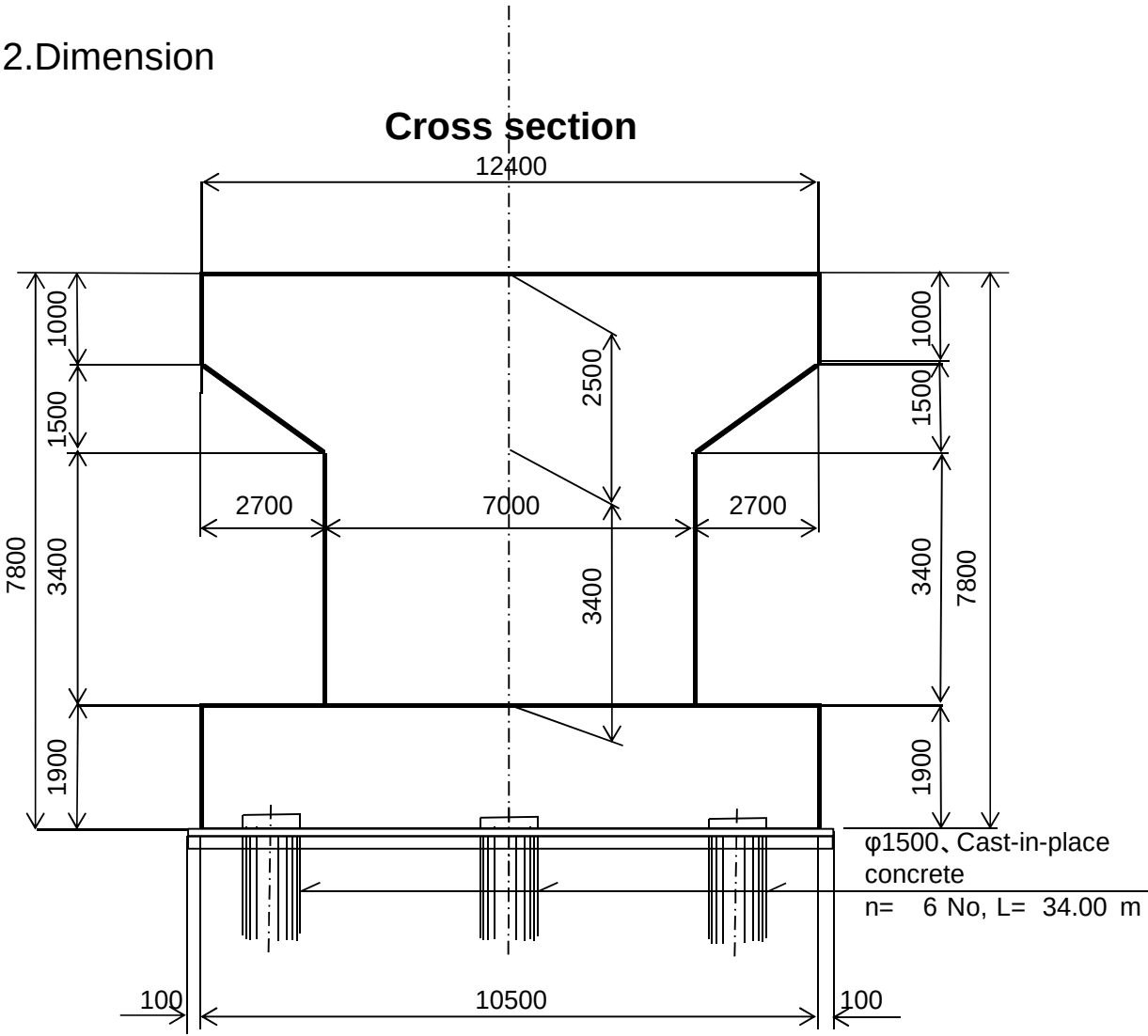
Item	Classification	Specification		Unit	PF15 Pier	Remarks
Earth work	Excavation	Soil		m ³	395.9	
	Backfill	Soil		m ³	202.7	
	Surplus soil treatment	Soil		m ³	170.7	
	Base levelling	-		m ²	71.8	
Concrete volume	Reinforcement structure	Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	262.3	
Form area	Reinforcement structure	Substructure construction	Common part	m ²	68.4	
			Special part	m ²	89.0	Metal form
			Ordinary part	m ²	141.5	Metal form
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t = 100mm		m ²	71.8	
	Form area	t = 100mm		m ²	3.7	
	Plain concrete structure	W/C=Less than 65%	Volume	m ³	7.2	
Reinforcement bar	SD345	D13		t	-----	
		D16		"	4.666	
		D19		"	-----	
		D22		"	4.581	
		D25		"	3.099	
		D29		"	4.973	
		D32		"	8.078	
		Total		"	25.397	
Scaffolding	Prefabricated scaffold	H ≤ 30 m	Body	m ²	224	
Blockout	Cylindrical form	φ250		m	6.0	
		Non-shrinkage mortar		m ³	0.30	
Foundation material	-	RC-40	t = 200	m ²	71.8	
Timbering	Wedge combination	H ≤ 30 m		m ³	49	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	PF15 Pier	Remarks
Pile Diameter		m	1.5	
Number of pile		No.	6	
Design length		m	34.0	
Total length		m	204.0	
For each pile				
Concrete	$\sigma_{ck}=24\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=30\text{N/mm}^2$)	m^3	60.1	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	58.3	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.628	
	D22	"	0.220	
	D25	"	1.189	
	D29	"	-----	
	D32	"	2.912	
	D35	"	-----	
	Total	"	5.963 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	36.8	
Weighted average soil coefficient			1.00	
Excavation volume		m^3	65.0	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	12.1	
	Soil N value: 20~Less than 40	"	24.7	
	Soil N value: More than 40	"	0.0	
	Total	m	36.8	

※() Is flare groove weld position

2.Dimension



3. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 32.52 \times 12.50 & = 406.5 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & & \hline
 & V1 & = 395.9 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Colum} & v1 = 7.00 \times 2.20 \times 1.23 & = 18.9 \text{ m}^3 \\
 \text{Pile cap} & v2 = 10.50 \times 7.50 \times 1.90 & = 149.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 10.70 \times 7.70 \times 0.30 & = 24.7 \text{ m}^3 \\
 & & \hline
 & V' & = 193.2 \text{ m}^3 \\
 \\
 & V2 = V1 - V' = 395.9 - 193.2 & = 202.7 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	395.9	202.7	170.7

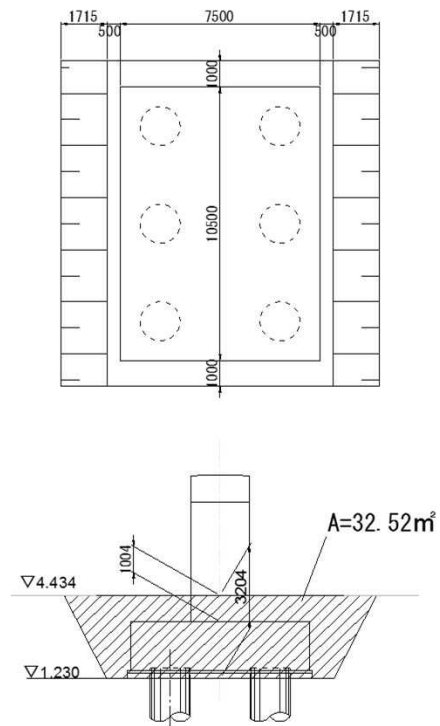
$$= 170.7 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 & = 71.8 \text{ m}^2 \\
 & & \hline
 & \Sigma A & = 71.8 \text{ m}^2
 \end{array}$$

Earth work figure

Plane



Body	
Part	Dimension
Wall width	7.00
Wall thickness	2.20
Pile cap width	10.50
Pile cap depth	7.50
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

4.Foundation work

4-1. Foundation material (t=200, RC-40)

$$10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

4-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 10.70 \times 7.70 - \pi/4 \times 1.50^2 \times 6 = 71.8 \text{ m}^2$$

$$\text{Volume } 71.80 \times 0.10 = 7.2 \text{ m}^3$$

2) Form

$$(10.70 + 7.70) \times 0.10 \times 2 = 3.7 \text{ m}^2$$

5. Concrete volume (reinforcement structure)

1)	Pile cap	24-8-25							
	Pile cap	10.50	×	7.50	×	1.90		=	149.6 m ³
	Deduction for pile - $\pi/4$		×	1.50 ²	×	0.10	×	6	= -1.1 m ³
									$\Sigma V1 = 148.5 \text{ m}^3$
2)	Body	24-8-25							
	Beam	12.40	×	1.00	×	2.20		=	27.3 m ³
	Beam	1/2	×	(12.40 + 7.00)	×	1.50	×	2.20	= 32.0 m ³
	Deduction for R300 -	(4	-	π	)×	0.30 ²	×	(1.00 + 3.09)	= -0.3 m ³
	Addition for R1700 +	(2	-	$\pi/2$	)×	1.70 ²	×	2.20	= 2.7 m ³
	Column	7.00	×	2.20	×	3.40		=	52.4 m ³
	Deduction for R300 -	(4	-	π	)×	0.30 ²	×	3.40	= -0.3 m ³
									$\Sigma V2 = 113.8 \text{ m}^3$

6. Form work (reinforcement structure, $H \leq 30\text{m}$)

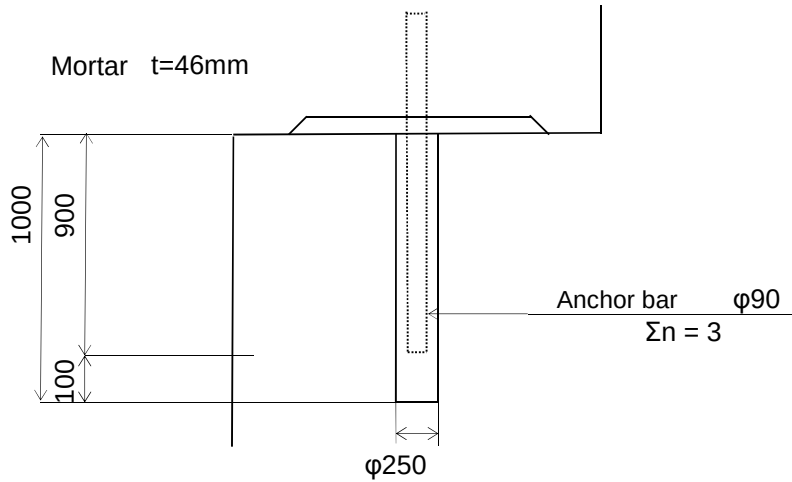
1)	Pile cap														
	a) Common part														
	Pile cap	(	10.50	+	7.50	)×	1.90	×	2	= 68.4 m ²					
									ΣA1	= 68.4 m ²					
2)	Body														
	b) Metal form for special part														
	Beam	(	11.80	+	1.60	)×	1.00	×	2	= 26.8 m ²					
	Beam	1/2	×	(	11.80	+	6.40	)×	1.50	×	2	= 27.3 m ²			
	Beam(Bottom)	√(	2.70 ²	+	1.50 ²	)×	1.60	×	2	= 9.9 m ²					
	Column	(	6.40	+	1.60	)×	1.00	×	2	= 16.0 m ²					
	Deduction for curve	-(	1.000	+	1.000	)×	2	×	1.60	= -6.4 m ²					
	R1700	(	1.808	+	1.808	)×	1	×	1.60	= 5.8 m ²					
	R300	2	×	π	×	0.30	×	(	1.00	+	3.09	+	1.00	)	= 9.6 m ²
									ΣA2	= 89.0 m ²					
	c) Metal form for ordinary part														
	Column	(	6.40	+	1.60	)×	2.40	×	2	= 38.4 m ²					
	R300	2	×	π	×	0.30	×	2.40	= 4.5 m ²						
									ΣA3	= 141.5 m ²					

7. Bearing work

1) For S-L Anchor 3 Position

Non-shrinkage mortar $t = 0.046 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.71) \times \frac{1}{2} \times (0.57 + 0.66) = 0.409 \text{ m}^2 \\
 V1 &= 0.41 \times 0.05 = 0.021 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.00 \times 3 = 0.147 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.090^2 \times 0.90 \times 3 = -0.017 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.151 \text{ m}^3
 \end{aligned}$$



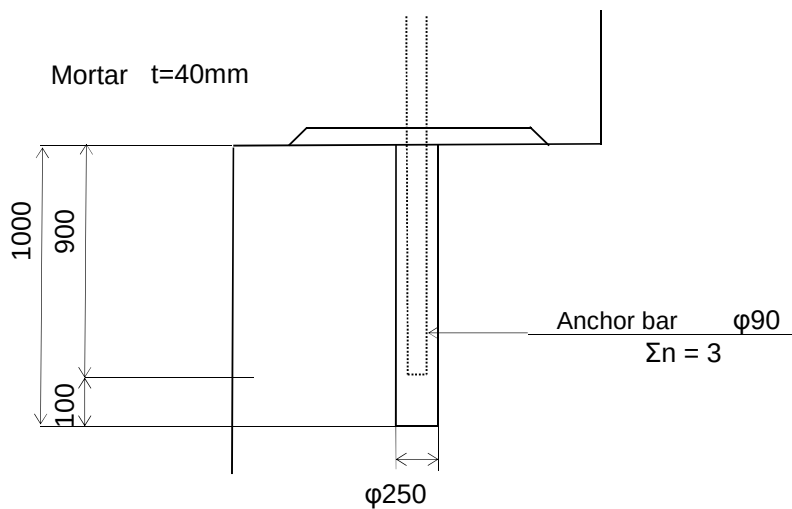
Bearing blockout ($\phi 250$)

$$L = 1.00 \times 3 = 3.0 \text{ m}$$

2) For S-R Anchor 3 Position

Non-shrinkage mortar $t = 0.040 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.70) \times \frac{1}{2} \times (0.57 + 0.65) = 0.403 \text{ m}^2 \\
 V1 &= 0.40 \times 0.04 = 0.016 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.25^2 \times 1.00 \times 3 = 0.147 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.090^2 \times 0.90 \times 3 = -0.017 \text{ m}^3 \\
 \hline
 \text{計} &= 0.146 \text{ m}^3
 \end{aligned}$$



Bearing blockout ($\phi 250$)

$$L = 1.00 \times 3 = 3.0 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	4,666	
D19	kg	-----	
D22	kg	4,581	
D25	kg	3,099	
D29	kg	4,973	
D32	kg	8,078	
Total	kg	25,397	

9. Scaffolding

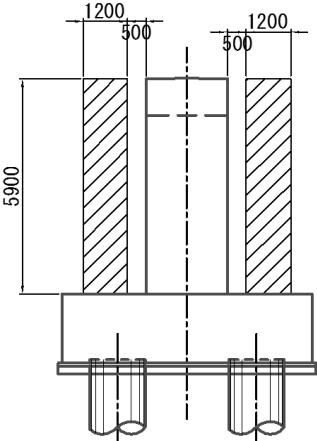
Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

Mean height
Body H = 5.90 m Pule cap HF = 1.90 m

Body (14.60 + 4.40)× 5.90 × 2 = 224.2 m²

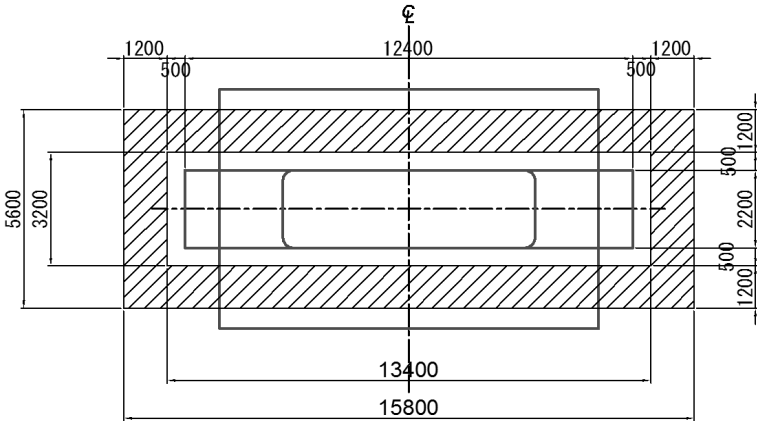
$\Sigma A = 224 \text{ m}^2$

Side view



H	5.9	HF	1.90
B	12.40	B1	14.60
L	2.20	L1	4.40

Plane



10. Timbering

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

1) Overhang

$$\text{Timbering } W : \frac{1}{2} \times (1.00 + 2.50) \times 24.5 = 42.9 \text{ kN/m}^2$$

$$\therefore W \leq 80 \text{ kN/m}^2$$

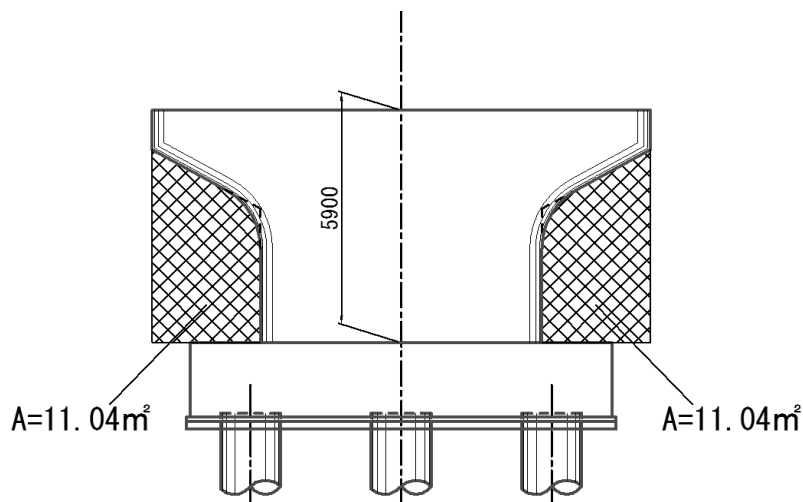
$$\text{Left side } V1 = 11.04 \times 2.20 = 24.3 \text{ m}^3$$

$$\text{Right side } V2 = 11.04 \times 2.20 = 24.3 \text{ m}^3$$

$$\text{R300 } (4 - \pi) \times 0.30^2 \times (1.00 + 3.09 + 3.40) = 0.6 \text{ m}^3$$

$$\Sigma V = 49 \text{ m}^3$$

Thickness of beam; $t = 2.20 \text{ m}$



11 . Foundation work

Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.43
Lemgth	34.00	(m)	Pile head height	1.63
Total number	6	(No)	Over break length	2.80
Total length	204.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 34.00 = 60.1 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	0	0	—
D19	1628	9768	—
D22	220	1320	—
D25	1189	7134	—
D29	0	0	—
D32	2912	17472	—
D35	0	0	—
Total	5963	35778	0
Flat steel	86	516	

(4) Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel・clay・sand	1.00
2	Rock・cobble stone・soft rock	1.80
3	Hard rock・medium hard rock	2.80

Item	Excavation length (m)	Soil coefficient× excavation length
1	36.80	36.80
2	0.00	0.00
3	0.00	0.00
Total	36.80	36.80
Weighted average		1.00

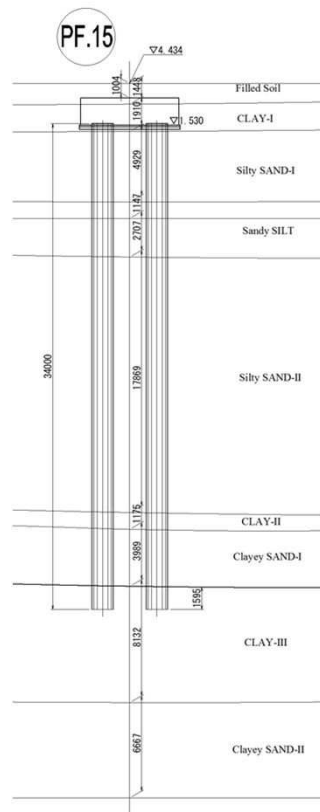
(5) Excavation (A=1.767 m²)
volume

$$V = 1.767 \times 36.80$$

$$= 65.0 \text{ m}^3$$

Thickness for different N value	
Excavation ground	Excavation length(m)
Soil N value: Less than 20	12.14
Soil N value: 20~Less than 40	24.66
Soil N value: More than 40	0.00
Soft rick (I)	0.00
Soft rock (II)	0.00
Medium hard rock	0.00
Hard rock (I)	0.00
Hard rock (II)	0.00
Rock・boulder	0.00
Boulder	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	36.80

Soil condition



§18. AF2 Quantity calculation

1.Summary of quantity of AF2 abutment

1)Main structure

Item	Classification	Specification		Unit	AF2 Abutment	Remarks
Earth work	Excavation	Soil		m ³	452.4	
	Backfill	Soil		m ³	227.0	
	Surplus soil treatment	Soil		m ³	200.2	
	Base levelling	-		m ²	82.6	
	Embankment	Soil		m ³	248.3	
Concrete volume	Reinforcement structure	Post-Cast part	$\sigma_{ck}=24\text{N/mm}^2$	m ³	1.8	
		Superstructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	2.8	
		Substructure construction	$\sigma_{ck}=24\text{N/mm}^2$	m ³	347.9	
Form area	Reinforcement structure	Post-cast part		m ²	4.0	
		Superstructure construction		m ²	18.0	
		Substructure construction		m ²	388.1	
Lean concrete	Plain concrete structure	$\sigma_{ck}=18\text{N/mm}^2$, t=100mm		m ²	82.6	
	Form area	t=100mm		m ²	4.0	
	Plain concrete structure	Volume		m ³	8.3	
Reinforcement bar	SD345	D13		t	0.643	
		D16		t	4.989	
		D19		t	1.313	
		D22		t	1.785	
		D25		t	6.001	
		D29		t	1.321	
		D32		t	3.582	
		Total		"	19.634	
Scaffolding	Prefabricated scaffold	$H \leq 30 \text{ m}$	Body	m ²	304	
Blockout	Cylindrical form	$\phi 200$		m	4.2	
		Non-shrinkage mortar		m ³	0.20	
Foundation material	-	RC-40	t=200	m ²	82.6	
Timbering	Wedge combination	$H \leq 30 \text{ m}$		m ³	36	
	Pipe support	$H < 4 \text{ m}$		m ³	8	

2)Summary of quantity of foundation
Reverse circulation method

Item		Unit	AF2 Abutment	Remarks
Pile diameter		m	1.5	
Number of pile		No.	6	
Design length		m	34.0	
Total length		m	204.0	
For each pile				
Concrete	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	60.1	
Concrete (Design pile length)	$\sigma_{ck}=30\text{N/mm}^2$ (Nominal strength $\sigma_{ck}=40\text{N/mm}^2$)	m^3	58.3	
Demolition concrete		m^3	1.8	
Reinforcement bar (SD345)	D13	t	0.014	
	D16	"	-----	
	D19	"	1.671	
	D22	"	0.220 (0)	
	D25	"	1.454	
	D29	"	-----	
	D32	"	3.029	
	D35	"	-----	
	Total	"	6.388 (0)	
Flat steel	FB50×6	"	0.086	
Excavation length		m	36.9	
Weighted average soil coefficient		-	1.00	
Excavation volume		m^3	65.1	
Surplus soil		m^3	-----	
Excavation length for different N value	Soil N value: Less than 20	m	12.0	
	Soil N value: 20~Less than 40	"	24.9	
	Soil N value: More than 40	"	0.0	
	Total	m	36.9	

※() Is flare groove weld position

3) Summary of quantity of approach slab

Item	Specification		Unit	AF2 Abutment	Remarks
Concrete	Reinforcement structure		m ³	18.9	σ _{ck} =24N/mm ²
Form	Reinforcement structure		m ²	7.3	
Reinforcement bar	Weight	D10	t	0.008	SD345
		D13	t	0.714	"
		D16	t	-----	"
		D22	t	-----	"
		D25	t	0.589	"
		D29	t	1.413	"
		D32	t	-----	"
		Total	t	2.724	"
Rubber bearing	t=20		m ²	2.2	
Joint material	t=20		m ²	9.0	
Gas pipe	SGP40A		kg	17	
Cap	φ60×3.2		kg	2	

2. Earth work

1) Excavation(soil) soil classification: cohesive soil

$$\begin{array}{lcl}
 \text{Volume of pile} & v1 = 31.39 \times 14.75 & = 463.0 \text{ m}^3 \\
 \text{(deducting)} & v2 = -\pi/4 \times 1.50^2 \times 1.00 \times 6 & = -10.6 \text{ m}^3 \\
 & & \hline
 & V1 & = 452.4 \text{ m}^3
 \end{array}$$

2) Backfill

$$\begin{array}{lcl}
 \text{Deduction} & & \\
 \text{Column} & v1 = 12.75 \times 2.00 \times 1.09 & = 27.8 \text{ m}^3 \\
 \text{Pile cap} & v2 = 12.75 \times 7.00 \times 1.90 & = 169.6 \text{ m}^3 \\
 \text{Lean foundation} & v3 = 12.95 \times 7.20 \times 0.30 & = 28.0 \text{ m}^3 \\
 & & \hline
 & V' & = 225.4 \text{ m}^3 \\
 & & \\
 V2 & = V1 - V' = 452.4 - 225.4 & = 227.0 \text{ m}^3
 \end{array}$$

3) Surplus soil

$$V3 = V1 - V2 \times 1/C$$

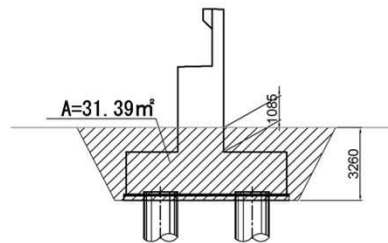
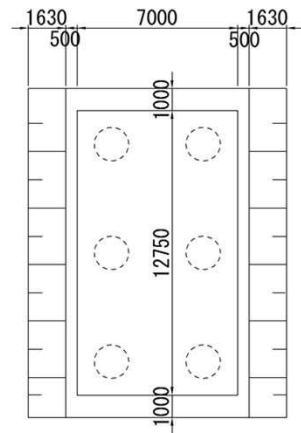
	Rate of variability	Excavation	Backfill	Surplus soil
	C	V1 (m ³)	V2 (m ³)	V3 (m ³)
Cohesive soil	0.90	452.4	227.0	200.2

$$= 200.2 \text{ m}^3$$

4) Base levelling

$$\begin{array}{lcl}
 A & = 12.95 \times 7.20 - \pi/4 \times 1.50^2 \times 6 & = 82.6 \text{ m}^2 \\
 & & \hline
 \Sigma A & = & 82.6 \text{ m}^2
 \end{array}$$

Earth work figure



Body	
Part	Dimension
Wall width	12.75
Wall thickness	2.00
Pile cap width	12.75
Pile cap depth	7.00
Pile cap thickness	1.90
Number of pile	6
Pile head height	1.00

Position of the pile top (from base of the excavation)

$$H = 45\phi + 220 + 300 = 45 \times 32 + 220 + 300 = 1960.0 \text{ mm} \div 1960 \text{ mm}$$

3.Foundation work

3-1. Foundation material (t=200, RC-40)

$$12.95 \times 7.20 - \pi/4 \times 1.50^2 \times 6 = 82.6 \text{ m}^2$$

3-2. Lean concrete (t=100)

1) Concrete 18-8-40

$$\text{Area } 12.95 \times 7.20 - \pi/4 \times 1.50^2 \times 6 = 82.6 \text{ m}^2$$

$$\text{Volume } 82.60 \times 0.10 = 8.3 \text{ m}^3$$

2) Form

$$(12.95 + 7.20) \times 0.10 \times 2 = 4.0 \text{ m}^2$$

Cross section



5. Concrete volume (reinforcement structure)

24-8-25

(Preliminary calculation)

(1)Post-cast part

$$0.17 \times 11.75 = 1.998 \text{ m}^2$$

$$\Sigma a1 = 1.998 \text{ m}^2$$

1)Substructure construction

Parapet wall	$1/2 \times (2.41 + 2.38) \times 12.75 \times 0.50$	=	15.3 m ³
Parapet wall process	$1/2 \times (0.70 + 1.09) \times 12.75 \times 0.40$	=	4.6 m ³
Deduction for parapet wall	$- 0.17 \times 11.75 \times 0.90$	=	-1.8 m ³
Vertical wall	$5.29 \times 12.75 \times 2.00$	=	134.9 m ³
Deduction for vertical wall	$- 1/2 \times 1.50 \times 0.03 \times 12.75$	=	-0.3 m ³
Bearer	$1/2 \times (0.30 + 0.82) \times 0.50 \times (11.00 + 10.00) \times 1/2$	=	2.9 m ³
Wing wall right	$0.50 \times (7.46 + 7.37) \times 3.00 \times 1/2$	=	11.1 m ³
Wing wall left	$0.50 \times (7.46 + 7.37) \times 3.00 \times 1/2$	=	11.1 m ³
Haunch right	$1/2 \times 0.50 \times 0.50 \times (6.29 + 6.78) \times 1/2$	=	0.8 m ³
Haunch left	$1/2 \times 0.50 \times 0.50 \times (6.29 + 6.78) \times 1/2$	=	0.8 m ³
Pile cap	$12.75 \times 7.00 \times 1.90$	=	169.6 m ³
Deduction for pile	$- \pi/4 \times 1.50^2 \times 0.10 \times 6$	=	-1.1 m ³
		$\Sigma V1 =$	347.9 m ³

2)Post-cast part

Parapet wall	2.00×0.900	=	1.8 m ³
		$\Sigma V2 =$	1.8 m ³

3)Substructure construction(barrier)

	$(1.11 \times 0.25 \times 3.90 + 0.35 \times 0.25 \times 3.90) \times 2$	=	2.8 m ³
		$\Sigma V3 =$	2.8 m ³

6. Form area(renforcement structure, $H \leq 30m$)

1)Substructure construction

a) Common form

Front side of parapet wall	(0.70 + 0.57 + 1.25) × 12.75	=	32.1 m ²
Back side of parapet wall	0.47 × 11.75 + 2.38 × 0.75 + 1.05 × 10.00	=	17.8 m ²
Lateral side of parapet wall	1/2 × (2.19 + 2.17) × 0.50	=	1.1 m ²
	1/2 × (0.62 + 1.00) × 0.40	=	0.3 m ²
	1/2 × (2.19 + 2.17) × 0.50	=	1.1 m ²
	1/2 × (0.62 + 1.00) × 0.40	=	0.3 m ²
Vertical wall	5.26 × 12.75 + 5.29 × 11.75 + 2.00 × 5.28 × 2	=	150.3 m ²
Bearer	(0.30 + 0.71) × 10.50	=	10.6 m ²
Bearer skirt	1/2 × (0.30 + 0.80) × 0.50 × 2	=	0.6 m ²
Wing wall right	1/2 × (7.46 + 7.37) × 3.00 × 2	=	44.5 m ²
	- 1/2 × (7.08 + 7.09) × 0.50	=	-3.5 m ²
	7.463 × 0.50 + 1/2 × (6.78 + 6.29) × 0.71	=	8.4 m ²
Wing wall left	1/2 × (7.46 + 7.37) × 3.00 × 2	=	44.5 m ²
	- 1/2 × (7.08 + 7.09) × 0.50	=	-3.5 m ²
	7.463 × 0.50 + 1/2 × (6.78 + 6.29) × 0.71	=	8.4 m ²
Pile cap	(12.75 + 7.00) × 2 × 1.90	=	75.1 m ²
		ΣA1	= 388.1 m ²

2)Post-cast part

Parapet wall	0.17 × 11.75 × 2.000	=	4.0 m ²
		ΣA2	= 4.0 m ²

3)Superstructure construction(barrier)

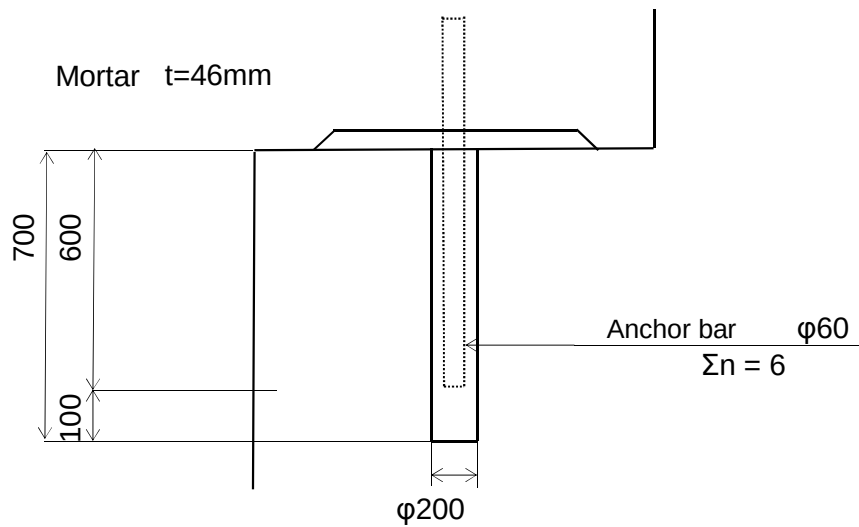
(1.11 × 3.90 + 0.25 × 3.90 + 0.75 × 3.90)× 2	=	16.5 m ²
(1.11 × 0.25 + 0.35 × 0.25)× 4	=	1.5 m ²
		ΣA3 = 18.0 m ²

7. Bearing work

(1) For S1
 1) Non-shrinkage mortar

Anchor position 6 position
 $t = 0.046 \text{ m}$

$$\begin{aligned}
 A1 &= \frac{1}{2} \times (0.62 + 0.71) \times \frac{1}{2} \times (0.62 + 0.71) = 0.442 \text{ m}^2 \\
 V1 &= 0.44 \times 0.046 \times 4 = 0.081 \text{ m}^3 \\
 V2 &= \frac{\pi}{4} \times 0.20^2 \times 0.70 \times 6 = 0.132 \text{ m}^3 \\
 &\quad - \frac{\pi}{4} \times 0.06^2 \times 0.60 \times 6 = -0.010 \text{ m}^3 \\
 \hline
 \text{Total} &= 0.203 \text{ m}^3
 \end{aligned}$$



1) Bearing blockout (φ200)

$$L = 0.70 \times 6 = 4.2 \text{ m}$$

8. Reinforcement bar work

Substructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	643	
D16	kg	4,989	
D19	kg	1,313	
D22	kg	1,785	
D25	kg	6,001	
D29	kg	1,321	
D32	kg	3,582	
Total	kg	19,634	

Superstructure construction

SD345

Diameter	Unit	Quantity	Remarks
D10	kg	-----	
D13	kg	-----	
D16	kg	-----	
D19	kg	-----	
D22	kg	-----	
D25	kg	-----	
D29	kg	-----	
D32	kg	-----	
Total	kg	-----	

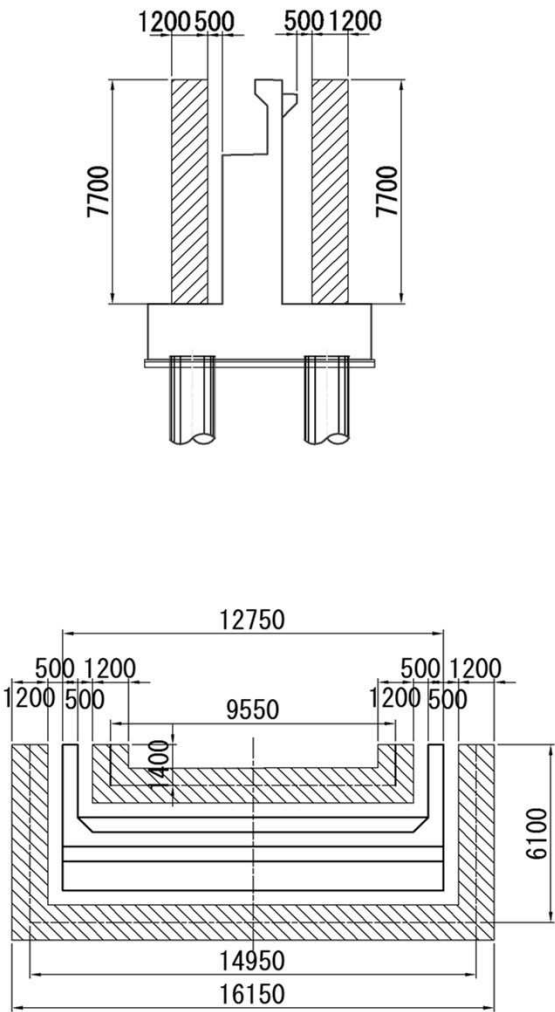
9. Scaffolding

Category of structure	Reinforcement structure
Category of type	Prefabricated scaffold
Category of height	$H \leq 30\text{m}$

Mean height
 $H_1 = 7.70 \text{ m}$

$$((6.10 + 1.40) \times 2 + 14.95 + 9.55) \times 7.70 = 304.2 \text{ m}^2$$
$$\Sigma A_1 = 304 \text{ m}^2$$

Cross section



10. Timbering

1)Bearer

Category of structure	Reinforcement structure
Category of type	Wedge combination
Category of height	$H \leq 30\text{m}$

$$\text{Timbering W : strength} = \frac{1}{2} \times (0.30 + 0.80) \times 24.5 = 13.5 \text{ kN/m}^2$$

$$\therefore W \leq 60\text{kN/m}^2$$

$$V1 = \frac{1}{2} \times (6.39 + 6.89) \times 0.50 \times 10.82 = 35.9 \text{ m}^3$$

$$\Sigma V = 36 \text{ m}^3$$

1)Bearer

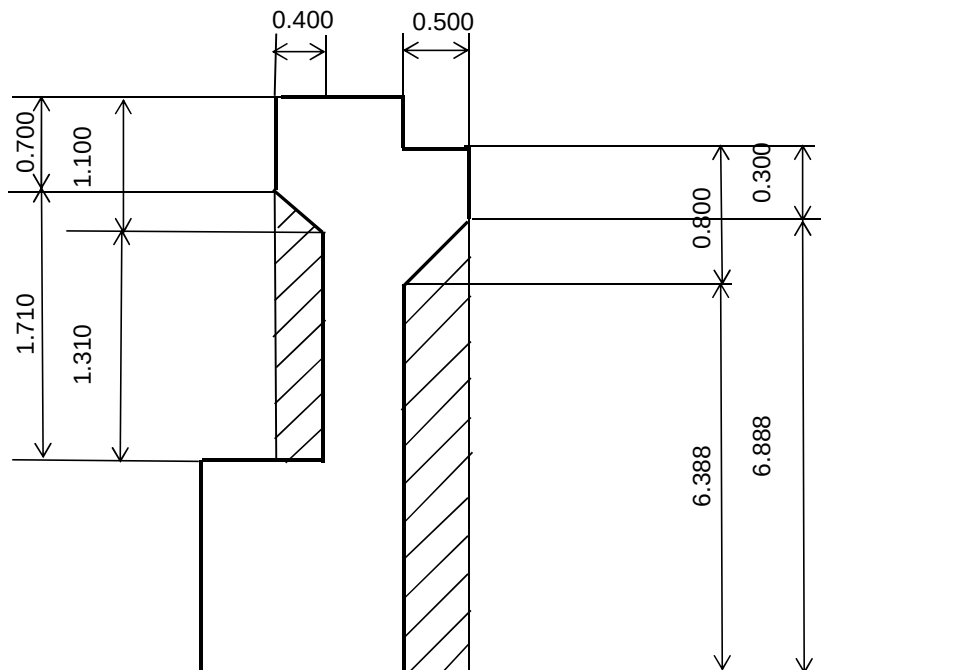
Category of structure	Reinforcement structure
Category of type	Pipe support
Category of height	$H < 4\text{m}$

$$\text{Timbering W : strength} = \frac{1}{2} \times (0.70 + 1.10) \times 24.5 = 22.1 \text{ kN/m}^2$$

$$\therefore W \leq 60\text{kN/m}^2$$

$$V1 = \frac{1}{2} \times (1.71 + 1.31) \times 0.40 \times 12.75 = 7.7 \text{ m}^3$$

$$\Sigma V = 8 \text{ m}^3$$



11 . Foundation work
Cast-in-place pile reverse circulation drill method

Diameter	1.500	(m)	Construction base	4.24
Lemgth	34.00	(m)	Pile head height	1.38
Total number	6	(No.)	Over break length	2.86
Total length	204.0	(m)		

(1)Concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 34.00 = 60.1 \text{ m}^3$$

(2)Demolition concrete

$$\textcircled{1} \quad \pi / 4 \times 1.50^2 \times 1.00 = 1.8 \text{ m}^3$$

(3)Reinforcement bar

SD345

Diameter	For each pile (kg)	For each pier(kg) (6No)	Flare groove weld position
D13	14	84	—
D16	0	0	—
D19	1671	10026	—
D22	220	1320	—
D25	1454	8724	—
D29	0	0	—
D32	3029	18174	—
D35	0	0	—
Total	6388	38328	0
Flat bar	86	516	

(4)Excavation length and soil coefficient

	Soil	Soil coefficient
1	Gravel•clay•sand	1.00
2	Rock•cobble stone•soft rock	1.80
3	Hard rock•medium hard rock	1.80

Item	Excavation length(m)	Soil coefficient×excavation length
1	36.86	36.86
2	0.00	0.00
3	0.00	0.00
Total	36.86	36.86
weighted average		1.00

(5)Excavation (A=1.767m³)
volume

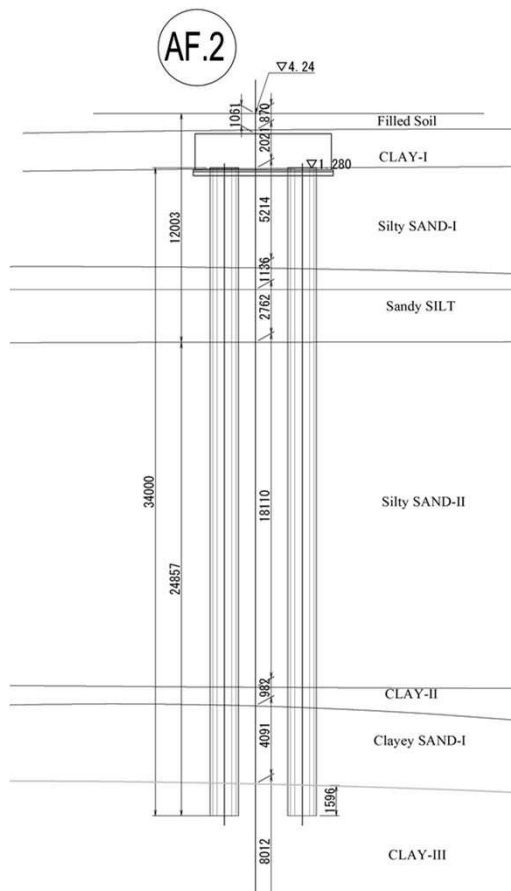
$$V= 1.767 \times 36.86$$

$$= 65.1 \text{ m}^3$$

Thickness for different N value

Excavation ground	Excavation length(m)
Soil N value: Less than 20	12.00
Soil N value: 20~Less than 40	24.86
Soil N value: More than 40	0.00
Soft rick(I)	0.00
Soft rock(II)	0.00
Medium hard rock	0.00
Hard rock(I)	0.00
Hard rock(II)	0.00
Rock・boulder	0.00
Boulder.	0.00
Plain concrete	0.00
Reinforcement crete	0.00
Total	36.86

Soil condition



12, Quantity of approach slab

1) Concrete

$$V2 = 10.80 \times 5.00 \times 0.35 = 18.9 \text{ m}^3$$

$$\Sigma V = 18.9 \text{ m}^3$$

2) Form

$$A2 = (10.80 + 5.00 \times 2) \times 0.35 = 7.3 \text{ m}^2$$

$$\Sigma A = 7.3 \text{ m}^2$$

3) Rubber shoe

t=20mm

$$A2 = 0.20 \times 10.80 = 2.2 \text{ m}^2$$

$$\Sigma A = 2.2 \text{ m}^2$$

4) Joint material

t=20mm

$$A2 = (0.35 + 0.48) \times 10.80 = 9.0 \text{ m}^2$$

$$\Sigma A = 9.0 \text{ m}^2$$

5) Gas pipe (sgp50A)

$$W2 = 0.23 \times \frac{\text{(kg/m)}}{5.31} \times 14 = 17 \text{ kg}$$

$$\Sigma W = 17 \text{ kg}$$

6) Anchor cap (φ70×3.2)

$$W2 = \frac{\pi}{4} \times \frac{\text{(kg/m)}}{0.07^2} \times 0.003 \times 7.85 \times 10^3 \times 14 = 2 \text{ kg}$$

$$\Sigma W = 2 \text{ kg}$$

7) Reinforcement bar

(SD345)

Diameter	Unit	Quantity	Remarks
D10	kg	8	
D13	kg	714	
D16	kg	-----	
D19	kg	-----	
D22	kg	589	
D25	kg	1413	
D29	kg	-----	
D32	kg	-----	
Total	kg	2724	

§19.Quantity calculation of temporary earth retaining work

1.Summary of quantity of temporary retaining wall

Item	Classification		Unit	PF.3	PF.4	PF.5	PF.6	PF.8	PF.9	PF.10	PF.15	AF.2	Total	Remarks
soldier pile and lagging method	H steel	Length	m	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	108.0	H-300×300×10×15
		Total Number	No.	22	18	18	18	18	18	18	18	18	166	
		Total length	m	264.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	1992	
		Total Weight	t	24.6	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	185.4	
		Insert length	m	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	103.5	Average N value is less than 25
		Total Insert length	m	253.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	207.0	1909.0	
	Horizontal sheathing	t=45mm W=300	m ²	109.02	82.0	92.7	81.7	89.5	82.8	87.5	87.4	85.0	797.7	

2. PF3

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 11 \times 2 = 22$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 22 = 253.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 22 = 24.6 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 14.70 \times (0.50 + 3.208) \times 2 = 109.02 \text{ m}^2$

3. PF4

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 9 \times 2 = 18$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 18 = 207.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 18 = 20.1 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 11.00 \times (0.50 + 3.228) \times 2 = 82.02 \text{ m}^2$

4. PF5

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 9 \times 2 = 18$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 18 = 207.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 18 = 20.1 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 12.30 \times (0.50 + 3.267) \times 2 = 92.67 \text{ m}^2$

5. PF6

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 9 \times 2 = 18$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 18 = 207.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 18 = 20.1 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 11.00 \times (0.50 + 3.213) \times 2 = 81.69 \text{ m}^2$

6. PF8

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 9 \times 2 = 18$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 18 = 207.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 18 = 20.1 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 11.80 \times (0.50 + 3.294) \times 2 = 89.54 \text{ m}^2$

7. PF9

(H-300×300×10×15) (93.0 kg/m)

Length L = 12.00 m

Number n = 9 × 2 = 18

Insert length L = 11.50 m (Average N value is less than 25)

Total insert length L = 11.50 × 18 = 207.0 m

Total weight W = 12.00 × 0.0930 × 18 = 20.1 t

Horizontal sheathing t= 45mm W= 300mm

Area A = 11.00 × (0.50 + 3.264) × 2 = 82.81 m²

8. PF10

(H-300×300×10×15) (93.0 kg/m)

Length L = 12.00 m

Number n = 9 × 2 = 18

Insert length L = 11.50 m (Average N value is less than 25)

Total insert length L = 11.50 × 18 = 207.0 m

Total weight W = 12.00 × 0.0930 × 18 = 20.1 t

Horizontal sheathing t= 45mm W= 300mm

Area A = 11.70 × (0.50 + 3.240) × 2 = 87.52 m²

9. PF15

(H-300×300×10×15) (93.0 kg/m)

Length $L = 12.00 \text{ m}$

Number $n = 9 \times 2 = 18$

Insert length $L = 11.50 \text{ m}$ (Average N value is less than 25)

Total insert length $L = 11.50 \times 18 = 207.0 \text{ m}$

Total weight $W = 12.00 \times 0.0930 \times 18 = 20.1 \text{ t}$

Horizontal sheathing $t = 45\text{mm}$ $W = 300\text{mm}$

Area $A = 11.80 \times (0.50 + 3.204) \times 2 = 87.41 \text{ m}^2$

10. AF2

(H-300×300×10×15) (93.0 kg/m)

Length L = 12.00 m

Number n = 9 × 2 = 18

Insert length L = 11.50 m (Average N value is less than 25)

Total insert length L = 11.50 × 18 = 207.0 m

Total weight W = 12.00 × 0.0930 × 18 = 20.1 t

Horizontal sheathing t= 45mm W= 300mm

Area A = 11.30 × (0.50 + 3.261) × 2 = 85.00 m²