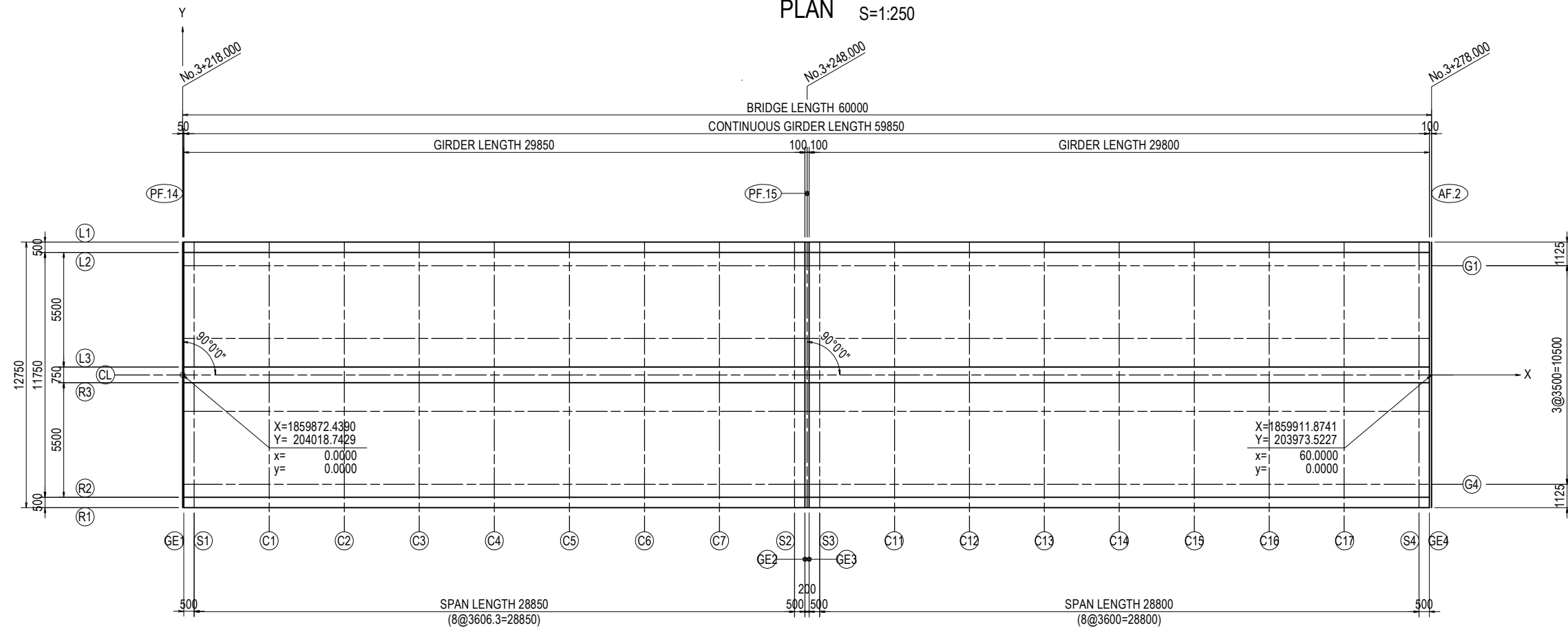


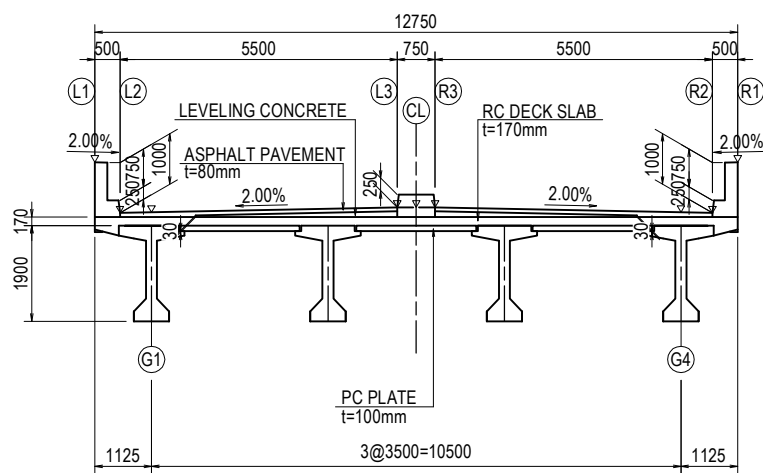
SUPERSTRUCTURE COORDINATES (PF14-AF2) (1)

PLAN S=1:250

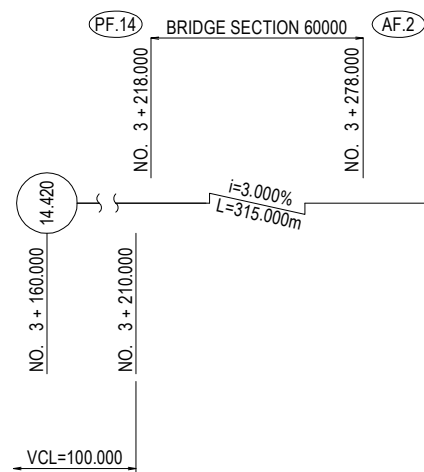


How to set the small coordinates
 X coordinate : Starting point is intersection of PF14 and CL
 Ending point is intersection of AF2 and CL
 Y coordinate : Perpendicular to X line

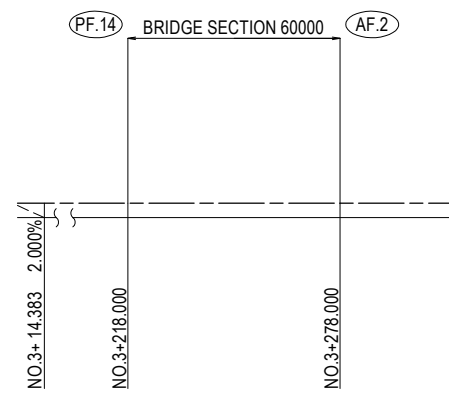
TYPICAL CROSS SECTION S=1:150



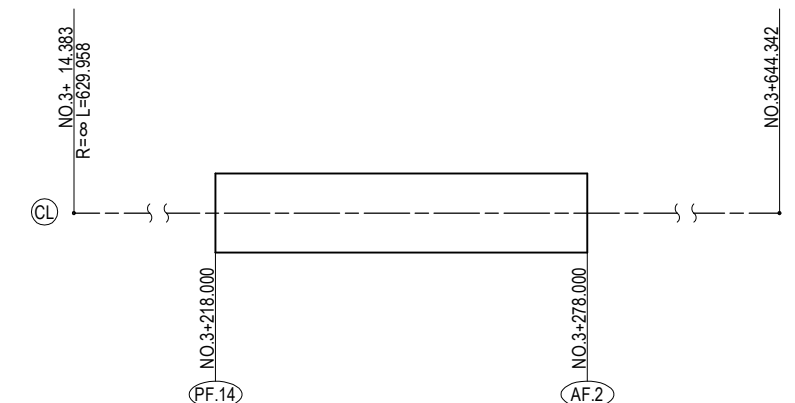
GRADE FOR LONGITUDINAL



SUPER ELEVATION



CURB ELEMENTS

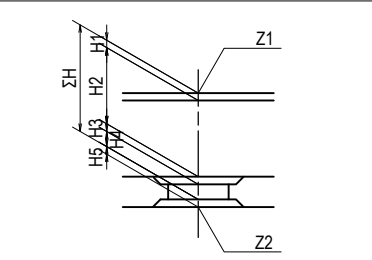


CHANGING POINT	STATION POINT	X COORDINATE	Y COORDINATE	ELEMENT
	3+ 14.383	1859738.6113	204172.2029	R= ∞
	3+644.342	1860152.6530	203697.4219	

SUPERSTRUCTURE COORDINATES (PF14-AF2) (2)

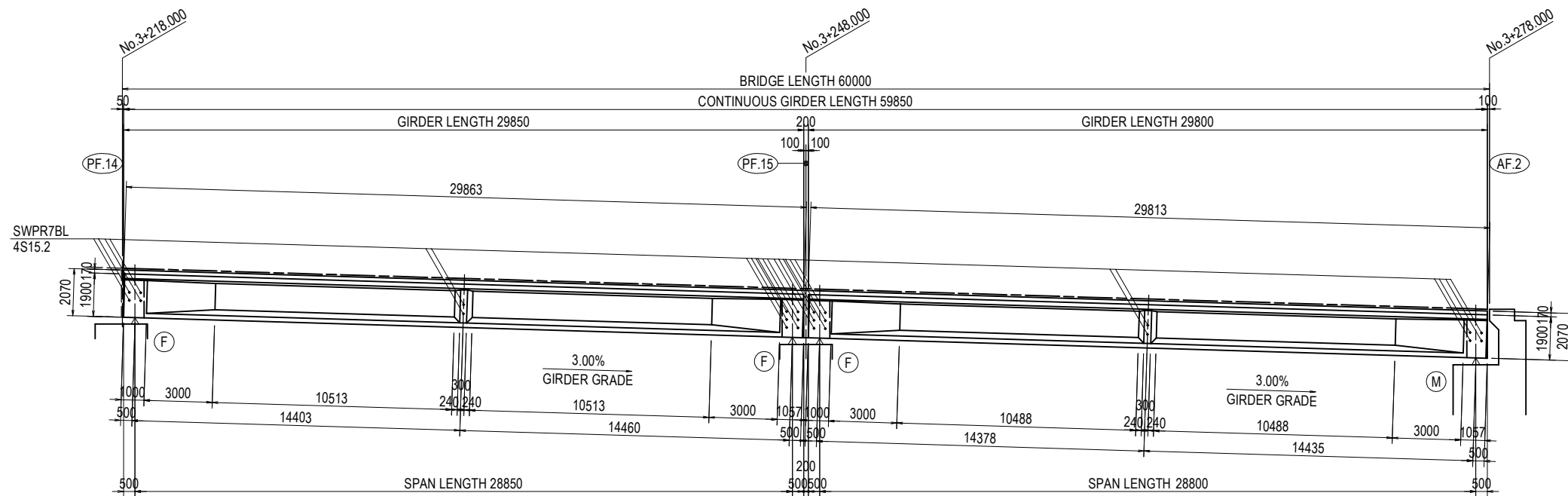
	PF14	GE1	S1	C1	C2	C3	C4	C5	C6	C7	S2	GE2	PF15	GE3	S3	C11	C12	C13	C14	C15	C16	C17	S4	GE4	AF2	
L1	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750	6.3750
	Z	13.5700	13.5685	13.5535	13.4453	13.3371	13.2289	13.1208	13.0126	12.9044	12.7962	12.6880	12.6730	12.6700	12.6670	12.6520	12.5440	12.4360	12.3280	12.2200	12.1120	12.0040	11.8960	11.7880	11.7730	11.7700
L2	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750	5.8750
	Z	12.5700	12.5685	12.5535	12.4453	12.3371	12.2289	12.1208	12.0126	11.9044	11.7962	11.6880	11.6730	11.6700	11.6670	11.6520	11.5440	11.4360	11.3280	11.2200	11.1120	11.0040	10.8960	10.7880	10.7730	10.7700
G1	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500	5.2500
	Z	12.5825	12.5810	12.5660	12.4578	12.3496	12.2414	12.1333	12.0251	11.9169	11.8087	11.7005	11.6855	11.6825	11.6795	11.6645	11.5565	11.4485	11.3405	11.2325	11.1245	11.0165	10.9085	10.8005	10.7855	10.7825
G2	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500	1.7500
	Z	12.6525	12.6510	12.6360	12.5278	12.4196	12.3114	12.2033	12.0951	11.9869	11.8787	11.7705	11.7555	11.7525	11.7495	11.7345	11.6265	11.5185	11.4105	11.3025	11.1945	11.0865	10.9785	10.8705	10.8555	10.8525
L3	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750	0.3750
	Z	12.6800	12.6785	12.6635	12.5553	12.4471	12.3389	12.2308	12.1226	12.0144	11.9062	11.7980	11.7830	11.7800	11.7770	11.7620	11.6540	11.5460	11.4380	11.3300	11.2220	11.1140	11.0060	10.8980	10.8830	10.8800
CL	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	Z	12.6800	12.6785	12.6635	12.5553	12.4471	12.3389	12.2308	12.1226	12.0144	11.9062	11.7980	11.7830	11.7800	11.7770	11.7620	11.6540	11.5460	11.4380	11.3300	11.2220	11.1140	11.0060	10.8980	10.8830	10.8800
R3	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750	-0.3750
	Z	12.6800	12.6785	12.6635	12.5553	12.4471	12.3389	12.2308	12.1226	12.0144	11.9062	11.7980	11.7830	11.7800	11.7770	11.7620	11.6540	11.5460	11.4380	11.3300	11.2220	11.1140	11.0060	10.8980	10.8830	10.8800
G3	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500	-1.7500
	Z	12.6525	12.6510	12.6360	12.5278	12.4196	12.3114	12.2033	12.0951	11.9869	11.8787	11.7705	11.7555	11.7525	11.7495	11.7345	11.6265	11.5185	11.4105	11.3025	11.1945	11.0865	10.9785	10.8705	10.8555	10.8525
G4	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500	-5.2500
	Z	12.5825	12.5810	12.5660	12.4578	12.3496	12.2414	12.1333	12.0251	11.9169	11.8087	11.7005	11.6855	11.6825	11.6795	11.6645	11.5565	11.4485	11.3405	11.2325	11.1245	11.0165	10.9085	10.8005	10.7855	10.7825
R2	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750	-5.8750
	Z	12.5700	12.5685	12.5535	12.4453	12.3371	12.2289	12.1208	12.0126	11.9044	11.7962	11.6880	11.6730	11.6700	11.6670	11.6520	11.5440	11.4360	11.3280	11.2200	11.1120	11.0040	10.8960	10.7880	10.7730	10.7700
R1	X	0.0000	0.0500	0.5500	4.1563	7.7625	11.3688	14.9750	18.5813	22.1875	25.7938	29.4000	29.9000	30.0000	30.1000	30.6000	34.2000	37.8000	41.4000	45.0000	48.6000	52.2000	55.8000	59.4000	59.9000	60.0000
	Y	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750	-6.3750
	Z	13.5700	13.5685	13.5535	13.4453	13.3371	13.2289	13.1208	13.0126	12.9044	12.7962	12.6880	12.6730	12.6700	12.6670	12.6520	12.5440	12.4360	12.3280	12.2200	12.1120	12.0040	11.8960	11.7880	11.7730	11.7700

STRUCTURE HEIGHT TABLE

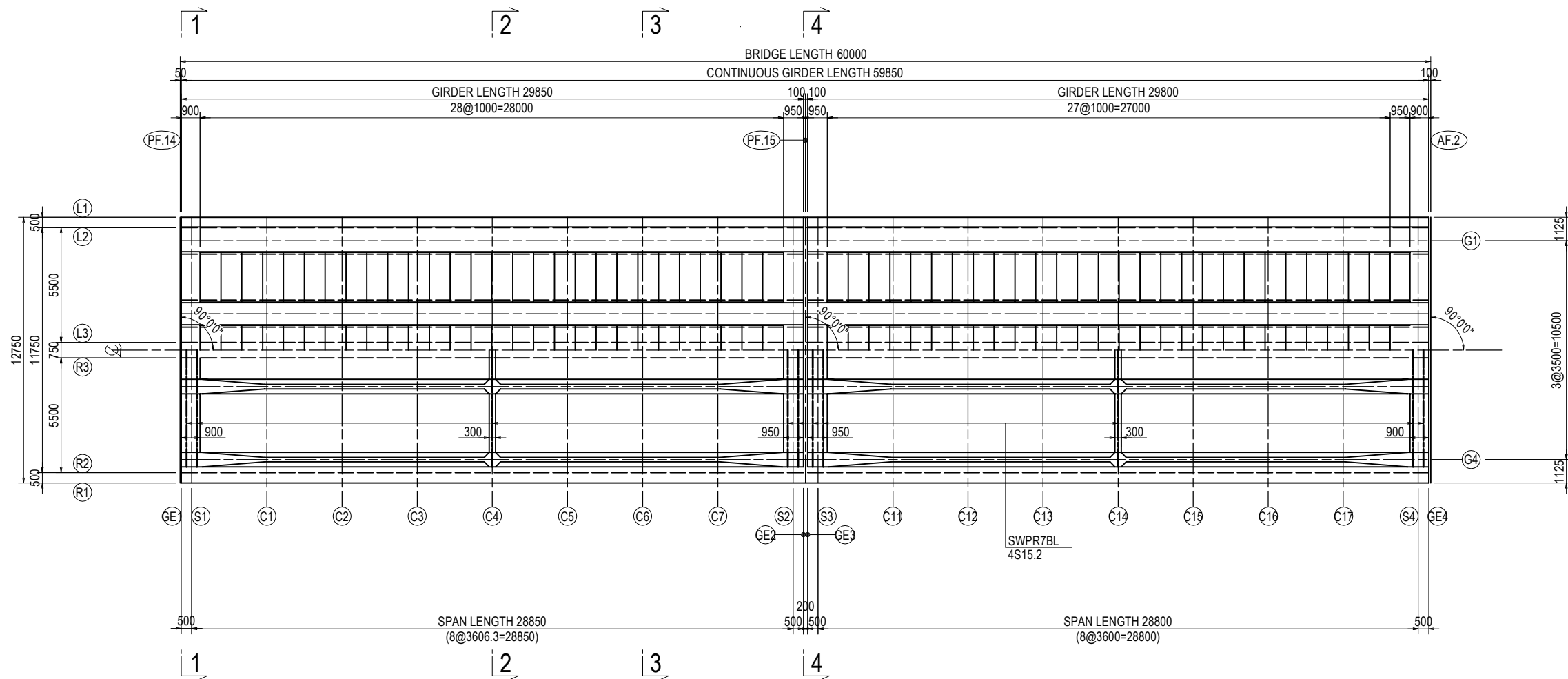
	S1(PF14R)				S2(PF15L)				S3(PF15R)				S4(AF2)				
	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	G1	G2	G3	G4	
ROAD PLAN HEIGHT	Z1	12.566	12.636	12.636	12.566	11.701	11.771	11.771	11.701	11.665	11.735	11.735	11.665	10.801	10.871	10.871	10.801
PAVEMENT THICKNESS(mm)	H1	93	163	163	93	93	163	163	93	93	163	163	93	93	163	163	93
MAIN GIRDER HEIGHT(mm)	H2	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070	2070
LAYER HEIGHT(mm)	H3	30	30	30	30	60	60	60	60	30	30	30	30	30	30	30	30
BEARING HEIGHT(mm)	H4	92	92	92	92												

GENERAL VIEW OF SUPERSTRUCTURE (PF14-AF2) (1)

SIDE VIEW S=1:250



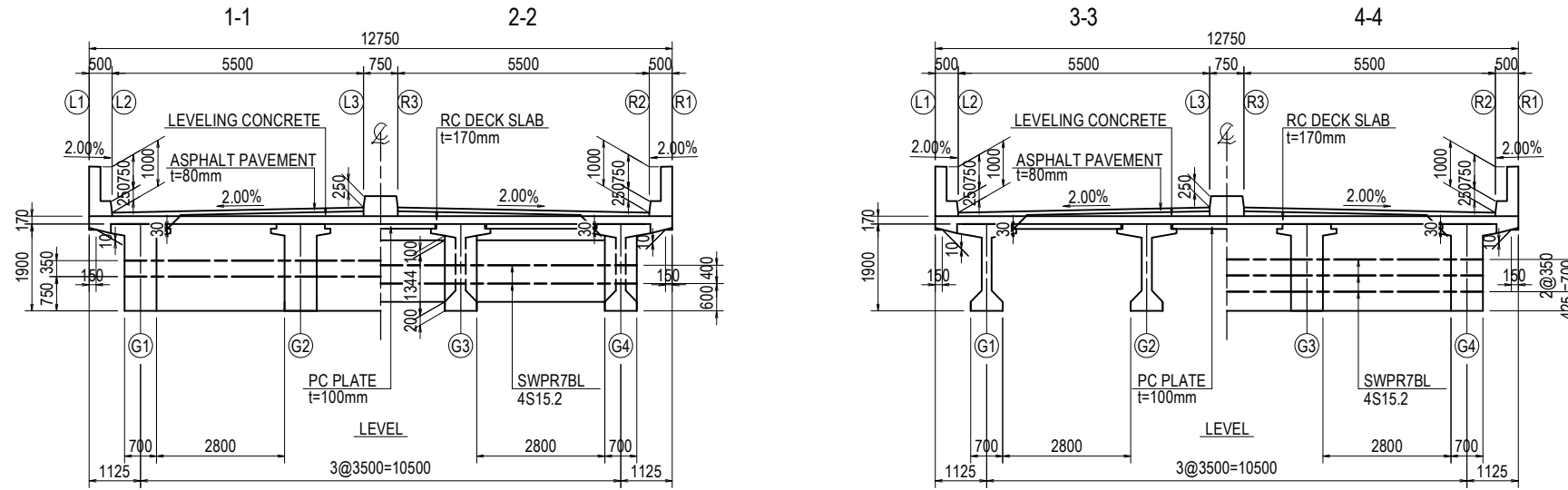
PLAN S=1:250



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE GENERAL VIEW OF SUPERSTRUCTURE (PF14-AF2) (1)	PACKAGE	
				PREPARED BY	Y. SUZUKI			14 Jul. 2017	3
				CHECKED BY	T. HAYAKAWA			20 Jul. 2017	DWG No.
				APPROVED BY	Y. SANO			25 Jul. 2017	P3-FO-1303

GENERAL VIEW OF SUPERSTRUCTURE (PF14-AF2) (2)

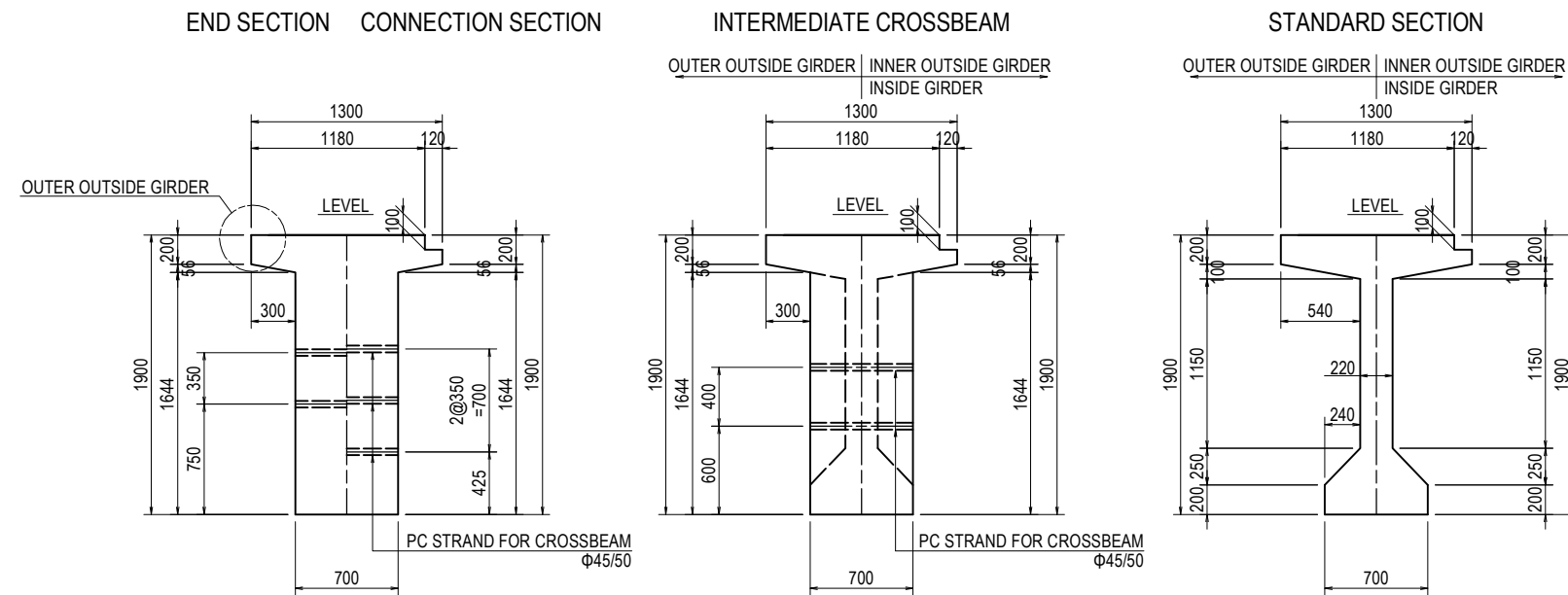
CROSS SECTION S=1:150



DESIGN CONDITION

ROAD GRADE	Equivalent to CLASS 4-1
BRIDGE TYPE	2 span continuous PC-I girder bridge with composite deck(PC plate and RC deck)
BRIDGE LENGTH	L = 60.000 m
SPAN LENGTH	L = 28.850 + 28.800 m
WIDTH OF THE ROAD	TOTAL : 12.750 m L = 0.500 + 5.500 + 0.750 + 5.500 + 0.500 m
HORIZONTAL ALIGNMENT	R=∞
LONGITUDINAL SLOPE	3.00%
SECTION SLOPE	2.00%
ANGLE OF SKEW	PF.14,PF.15,AF.2 : 90°00'00"
PAVEMENT	ASPHALT PAVEMENT t = 80 mm
SLAB	RC DECK SLAB t = 170 mm
PLATE	PC PLATE t = 100 mm
LIVE ROAD	AASHTO HL-93
DESIGN STANDARD	AASHTO LRFD BRIDGE DESIGN 2014(LIVE ROAD) Specifications for highway bridges(Japan Road Association) 1 Common matters,3 Concrete bridges,5 seismic design (April 2012)

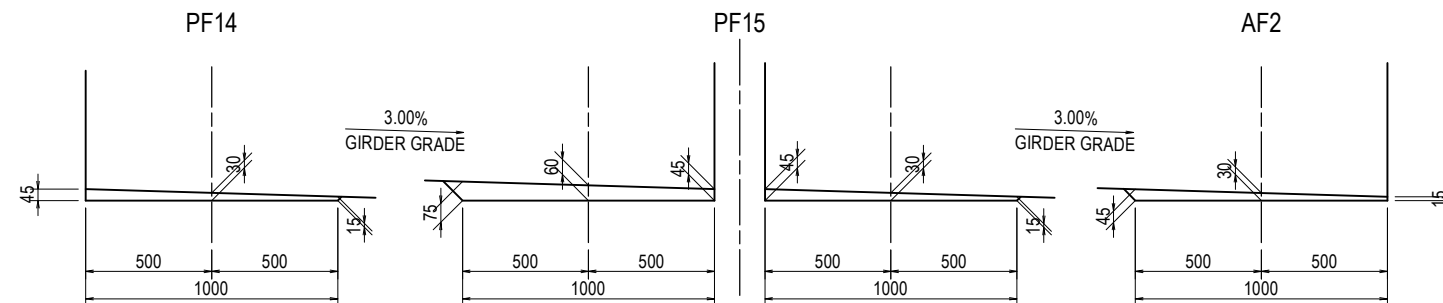
CROSS SECTION OF MAIN GIRDER S=1:50



MATERIALS STRENGTH

CONCRETE		MAIN GIRDER	CROSS BEAM	PC PLATE	RC SLAB	COUPLING CONCRETE
DESIGN STANDARD STRENGTH OF CONCRETE						
BENDING COMPRESSIVE STRESS	IMMEDIATELY AFTER PRESTRESSING	19.0	14.0	19.0	—	—
	OTHERS	14.0	11.0	15.0	10.0	10.0
BENDING TENSILE STRESS	IMMEDIATELY AFTER PRESTRESSING	-1.5	-1.2	-1.5	—	—
	DEAD LOAD	0.0	0.0	—	—	—
		OTHERS	-1.5	-1.2	0.0	—
MEAN SHEAR STRESS CONCRETE CAN CARRY		0.55	0.45	—	—	—
MAXIMUM MEAN CONCRETE SHEAR STRESS		IN CASE WHERE ONLY SHEAR FORCES				
ALLOWABLE DIAGONEL TENSILE STRESS (DEAD LOAD)		-1.0	-0.8	—	—	—
ALLOWABLE DIAGONEL TENSILE STRESS (LIVE LOAD)		-2.0	-1.7	—	—	—

LAYER S=1:30



PC STRAND		SWPR7BL 7S15.2mm	SWPR7BL 4S15.2mm	SWPR7AL 1S9.3mm
TENSILE STRENGTH		1850	1850	1700
YIELD POINT		1600	1600	1450
ALLOWABLE TENSILE STRESS	DURING PRESTRESSING	1440	1440	1305
	IMMEDIATELY AFTER PRESTRESSING	1295	1295	1190
	UNDER DESIGN LOAD	1110	1110	1020

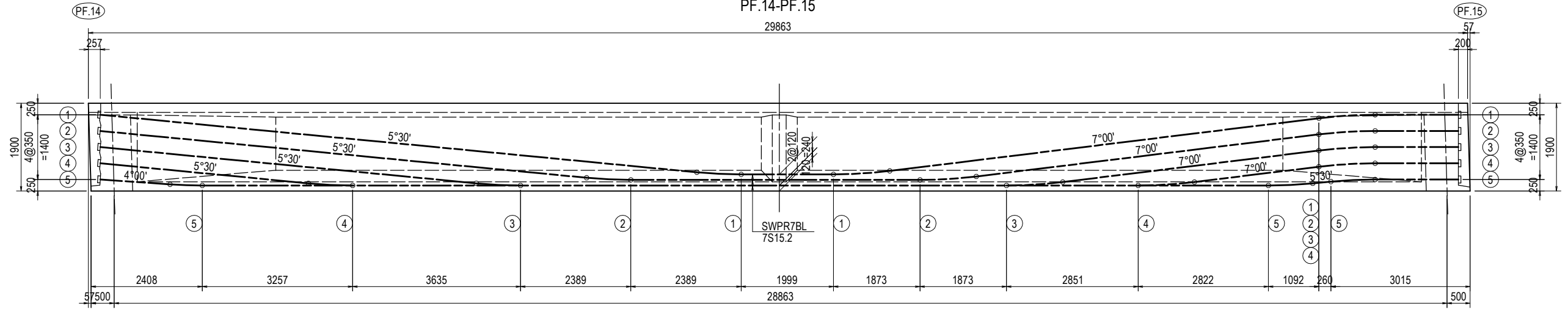
REINFORCING STEEL		MAIN GIRDER	CROSS BEAM	RC SLAB	COUPLING CONCRETE
STEEL TYPE		SD345	SD345	SD345	SD345
YIELD POINT		345	345	345	345
ALLOWABLE TENSILE STRESS	DEAD LOAD	—	—	100	100
	DESIGN LOAD	180	180	140	160
	EARTHQUAKE LOAD	—	200	—	—

PC STRAND ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (1)

SIDE VIEW S=1:100

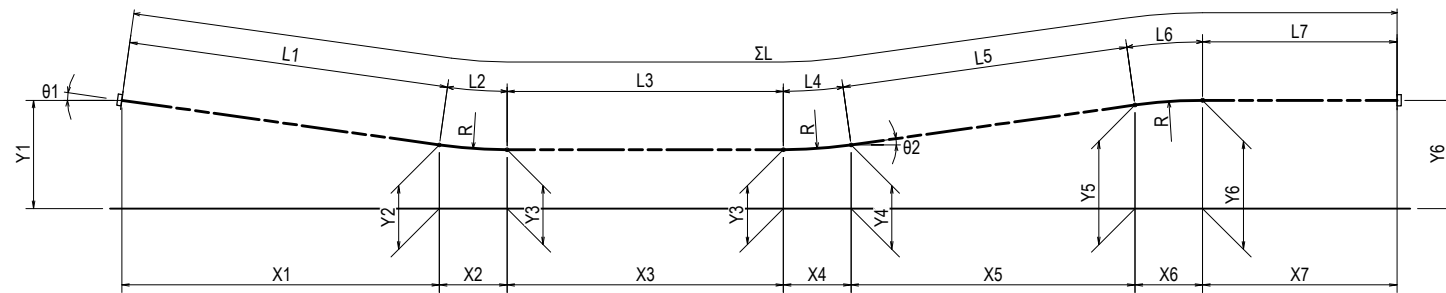
PF.14-PF.15

29863



PC STRAND LENGTH & ELEVATION

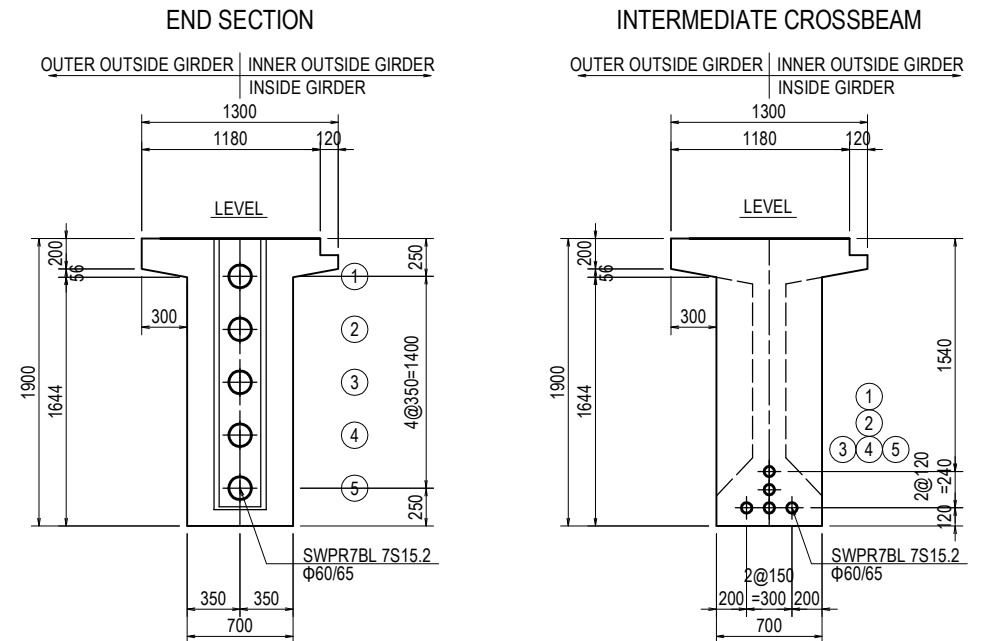
7S15.2
w=7.707 kg/m
R=10.000m



PF.14-PF.15

PC STRAND No	θ1	θ2	Y1	Y2	Y3	Y4	Y5	Y6	X1	X2	X3	X4	X5	X6	X7	L1	L2	L3	L4	L5	L6	L7	ΣL	WEIGHT
1	5°30'	7°00'	1650	406	360	435	1576	1650	12919	959	1999	1218	9292	1219	1800	12979	960	1999	1222	9362	1222	1800	29544	227.70
2	5°30'	7°00'	1300	286	240	315	1226	1300	10530	959	6261	1218	7419	1219	1800	10579	960	6261	1222	7475	1222	1800	29519	227.50
3	5°30'	7°00'	950	166	120	195	876	950	8142	958	10523	1219	5545	1219	1800	8179	960	10523	1222	5587	1222	1800	29493	227.30
4	5°30'	7°00'	600	166	120	195	526	600	4507	958	17009	1218	2695	1219	1800	4528	960	17009	1222	2715	1222	1800	29456	227.02
5	4°00'	5°30'	250	144	120	166	204	250	1511	697	23087	959	394	958	1800	1514	698	23087	960	396	960	1800	29415	226.70
TOTAL																						147427	1163.2	

CROSS SECTION OF MAIN GIRDER S=1:50



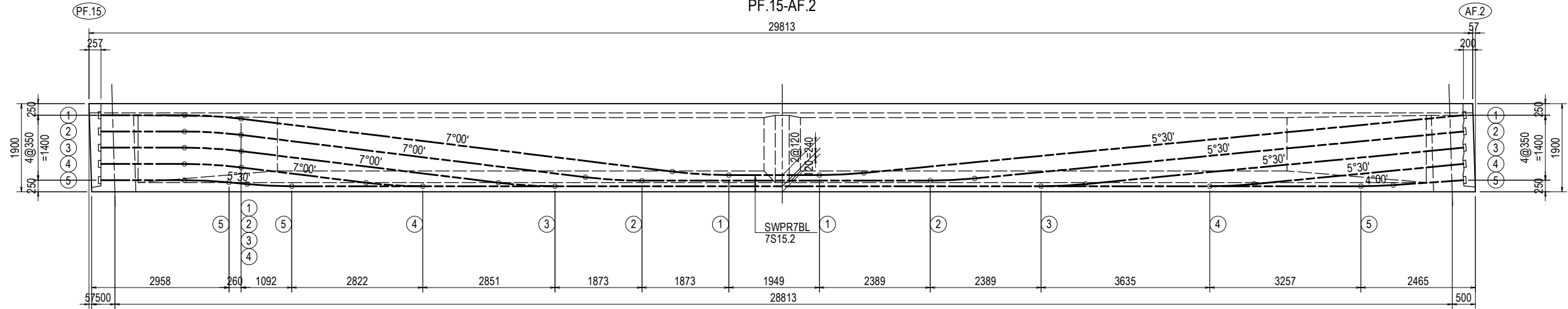
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE PC STRAND ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (1)	PACKAGE 3 DWG No. P3-FO-1305	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017

PC STRAND ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (2)

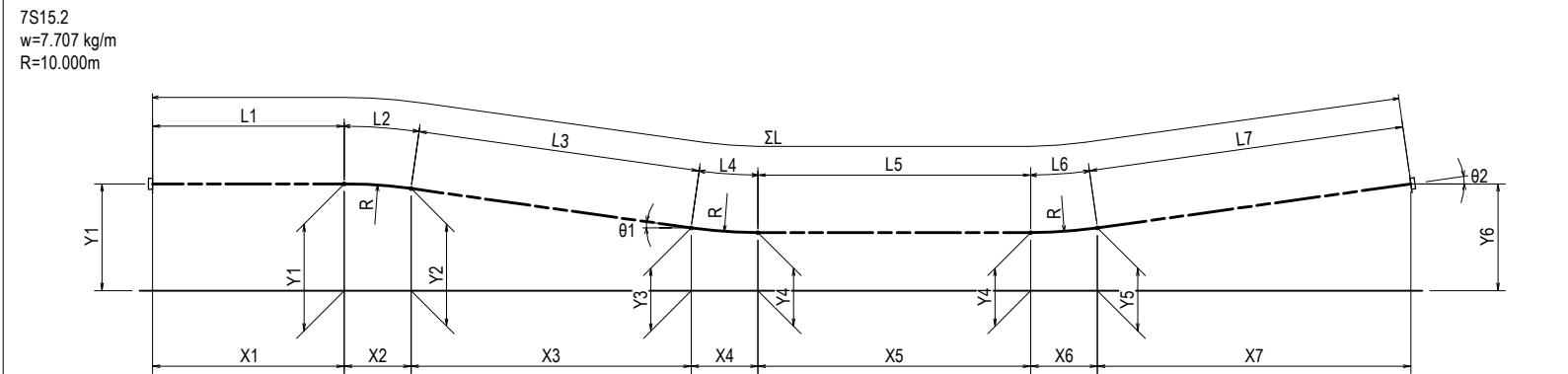
SIDE VIEW S=1:100

PF.15-AF.2

29813



PC STRAND LENGTH & ELEVATION



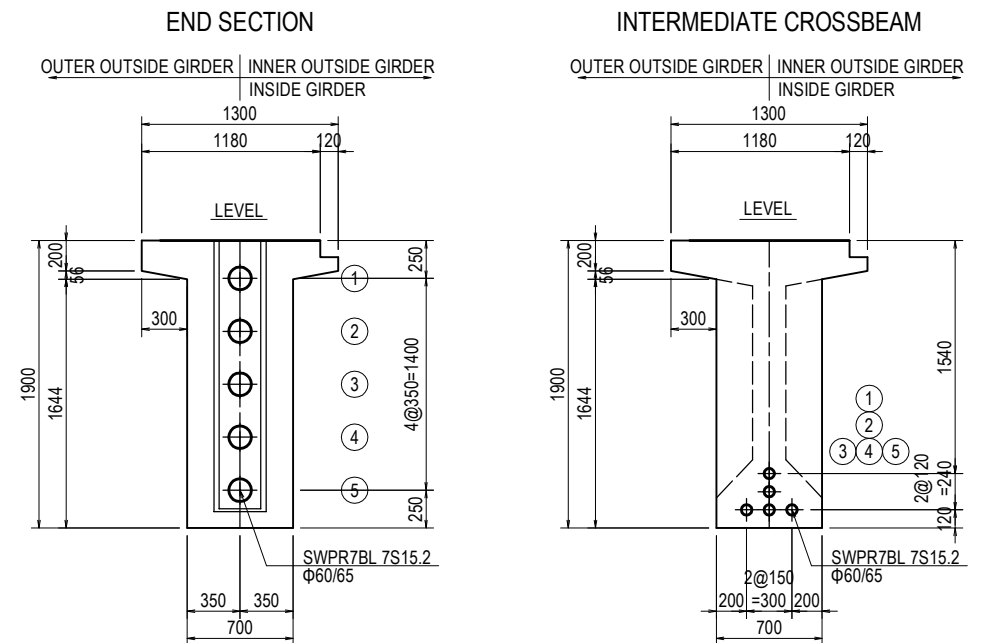
7S15.2
w=7.707 kg/m
R=10.000m

PF.15-AF.2

PC STRAND No	θ1	θ2	Y1	Y2	Y3	Y4	Y5	Y6	X1	X2	X3	X4	X5	X6	X7	L1	L2	L3	L4	L5	L6	L7	ΣL	WEIGHT				
1	7°00'	5°30'	1650	1576	435	360	406	1650	1800	1219	9292	1219	1949	958	12919	1800	1222	9362	1222	1949	960	12979	29494	224.31				
2	7°00'	5°30'	1300	1226	315	240	286	1300	1800	1219	7419	1218	6217	959	10530	1800	1222	7475	1222	6217	960	10579	29475	227.16				
3	7°00'	5°30'	950	876	195	120	166	950	1800	1219	5545	1219	10473	958	8142	1800	1222	5587	1222	10473	960	8179	29443	226.92				
4	7°00'	5°30'	600	526	195	120	166	600	1800	1219	2695	1219	16959	958	4507	1800	1222	2715	1222	16959	960	4528	29406	226.63				
5	5°30'	4°00'	250	204	166	120	144	250	1800	959	393	959	23037	697	1511	1800	960	396	960	23037	698	1514	29365	226.32				
																						TOTAL	147183	1134.3				

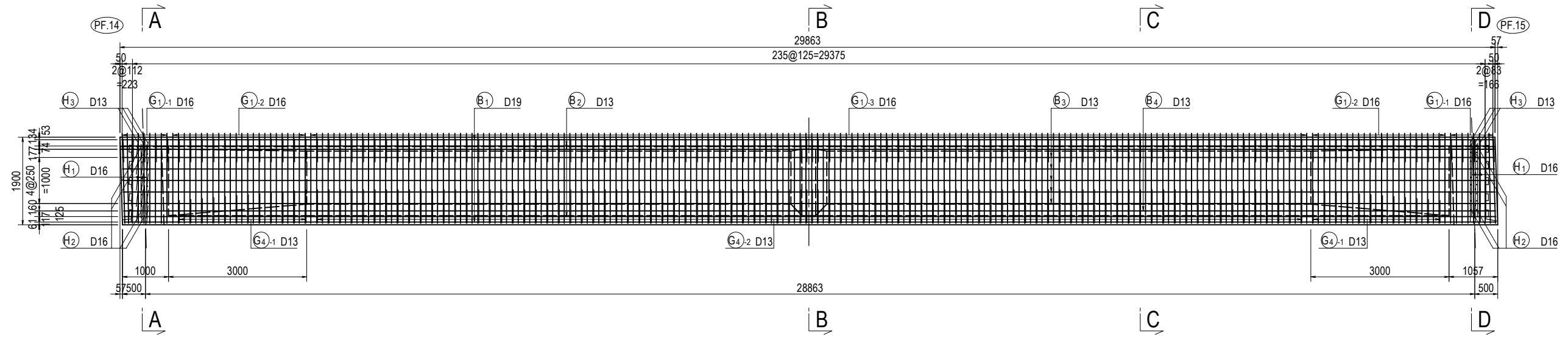
(UNIT:mm) (UNIT:kg)

CROSS SECTION OF MAIN GIRDER S=1:50

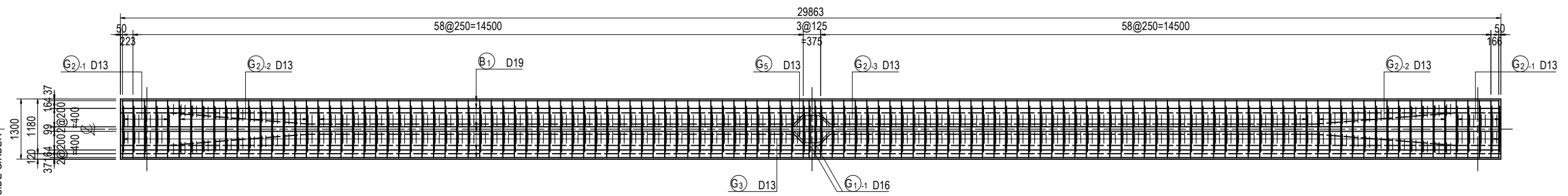


BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (1)

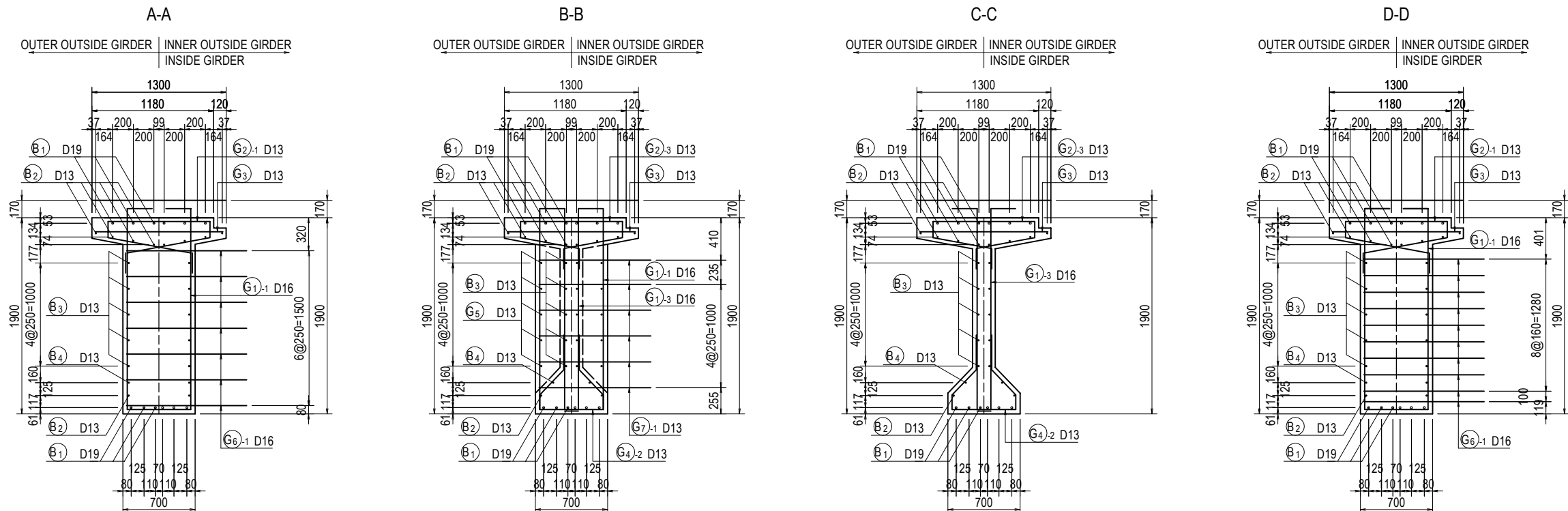
SIDE VIEW S=1:100
PF.14-PF.15



PLAN S=1:100

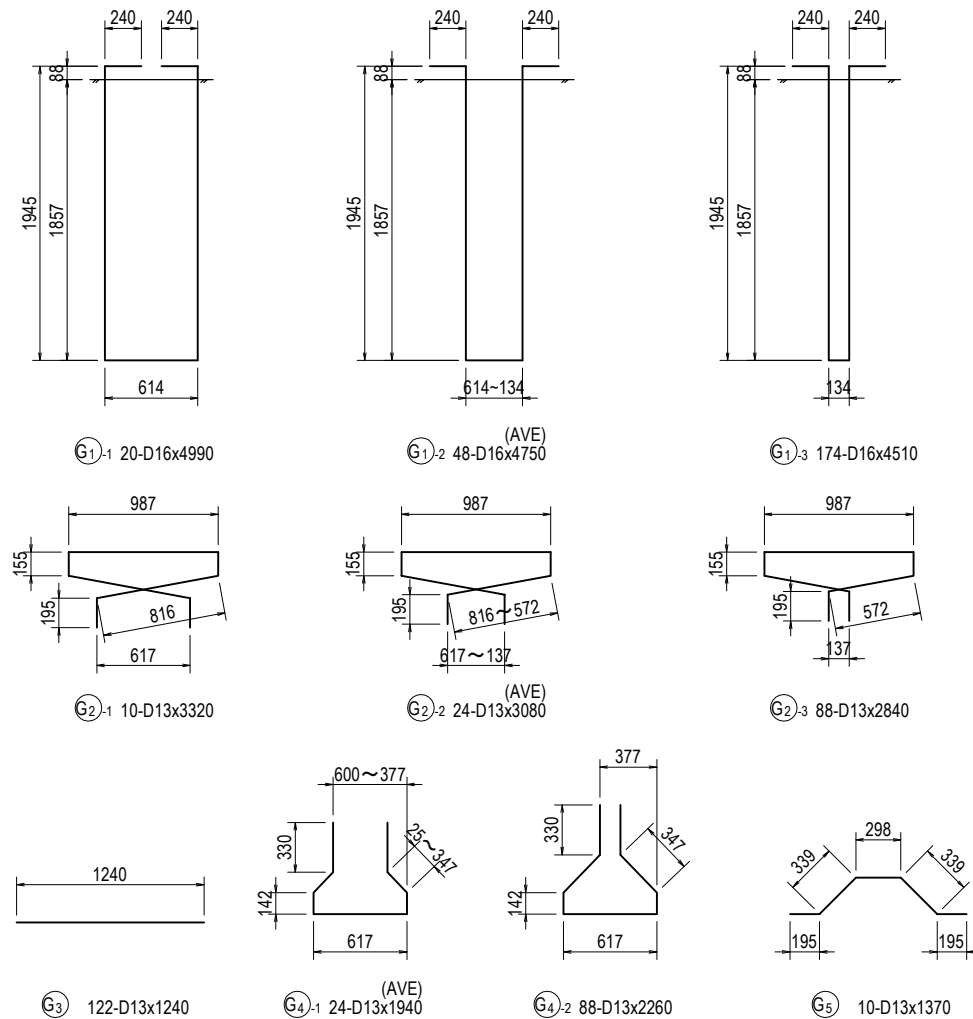
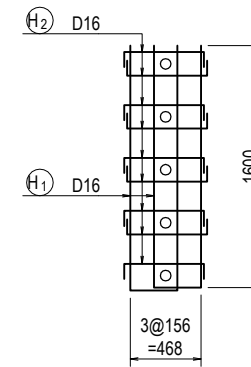
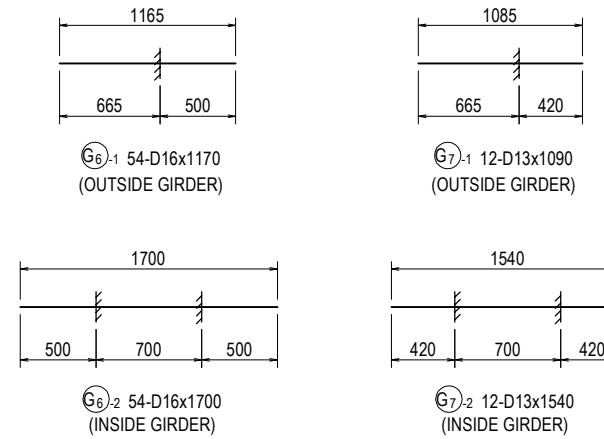
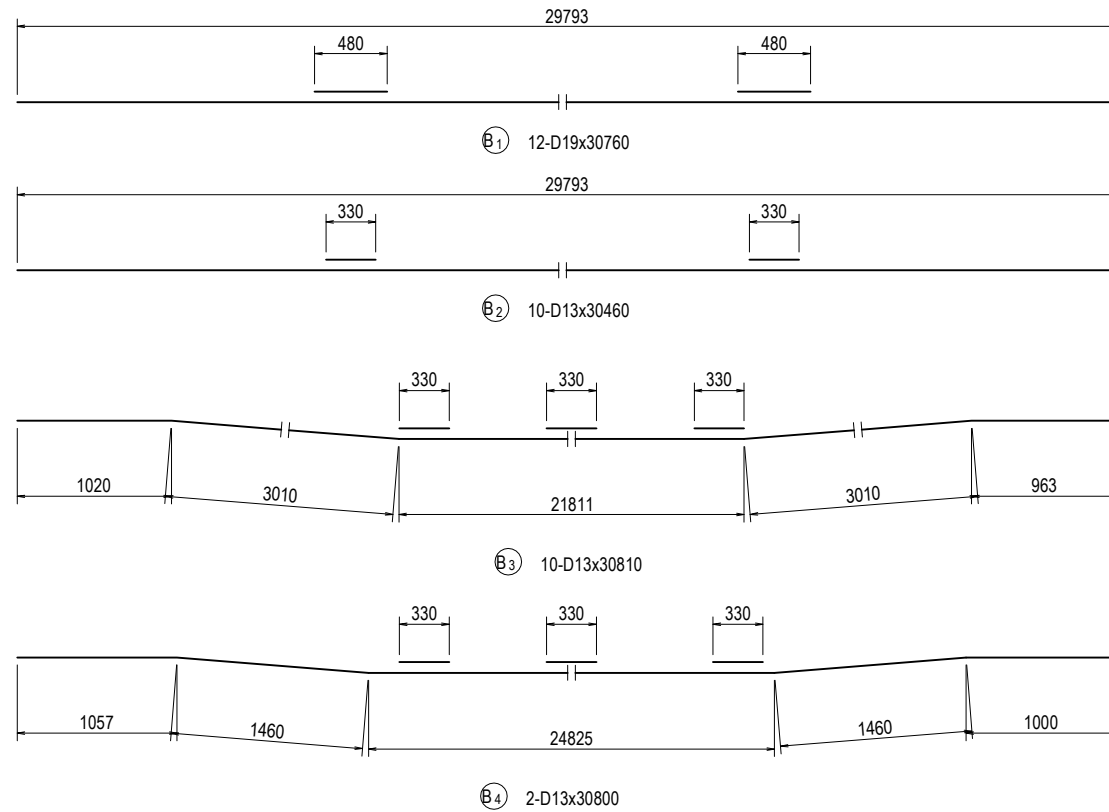


CROSS SECTION OF MAIN GIRDER S=1:50



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
							BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (1)	3	
								DWG No.	
								P3-FO-1307	

BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (2)



BAR LIST

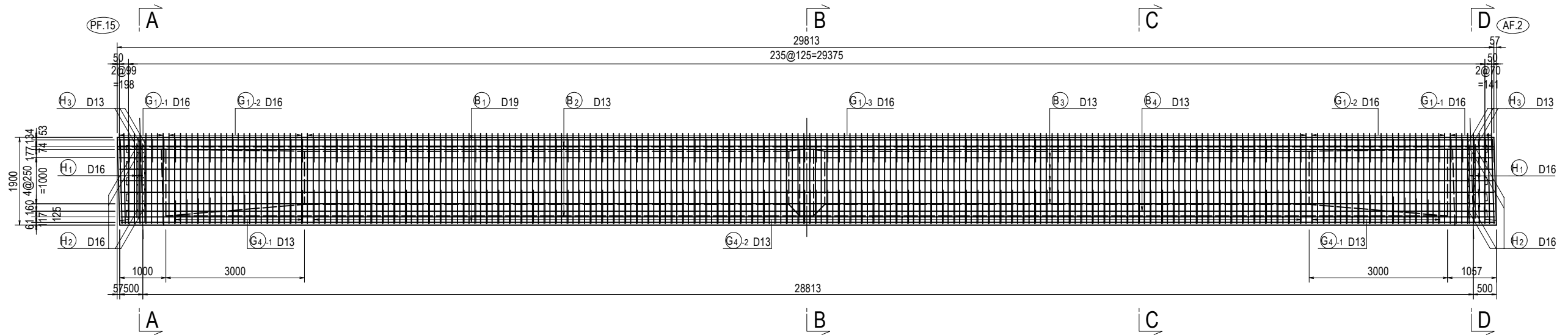
REBAR NO.	DIA (mm)	LENGHT (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
B 1	D19	30760	12	2.25	69.21	831	
B 2	D13	30460	10	0.995	30.31	303	
B 3	D13	30810	10	0.995	30.66	307	
B 4	D13	30800	2	0.995	30.65	61	
G 1 -1	D16	4990	20	1.56	7.78	156	
G 1 -2	D16	4750	48	1.56	7.41	356	AVERAGE
G 1 -3	D16	4510	174	1.56	7.04	1225	
G 2 -1	D13	3320	10	0.995	3.30	33	
G 2 -2	D13	3080	24	0.995	3.06	73	AVERAGE
G 2 -3	D13	2840	88	0.995	2.83	249	
G 3	D13	1240	122	0.995	1.23	150	
G 4 -1	D13	1940	24	0.995	1.93	46	AVERAGE
G 4 -2	D13	2260	88	0.995	2.25	198	
G 5	D13	1370	10	0.995	1.36	14	
G 6 -1	D16	1170	54	1.56	1.83	99	OUTSIDE GIRDER
G 6 -2	D16	1700	54	1.56	2.65	143	INSIDE GIRDER
G 7 -1	D13	1090	12	0.995	1.08	13	OUTSIDE GIRDER
G 7 -2	D13	1540	12	0.995	1.53	18	INSIDE GIRDER
H 1	D16	3520	8	1.56	5.49	44	
H 2	D16	670	36	1.56	1.05	38	
H 3	D13	4020	30	0.995	4.00	120	
					D19	831 kg	(831) kg
					D16	1962 kg	(1918) kg
					D13	1572 kg	(1567) kg
					TOTAL	4365 kg	(4316) kg

Note: The value of inside () are for OUTSIDE GIRDER.

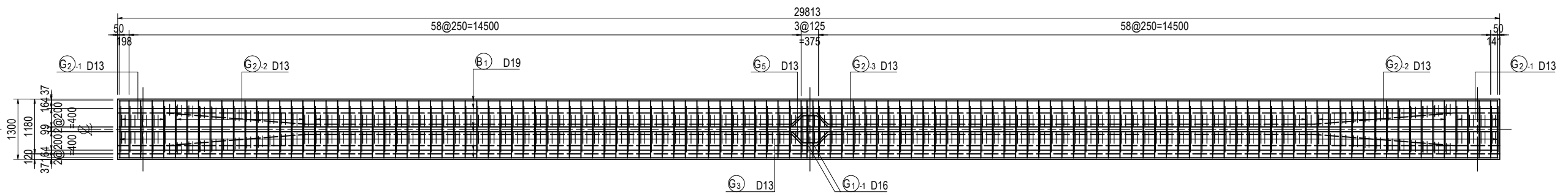
BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (3)

SIDE VIEW S=1:100

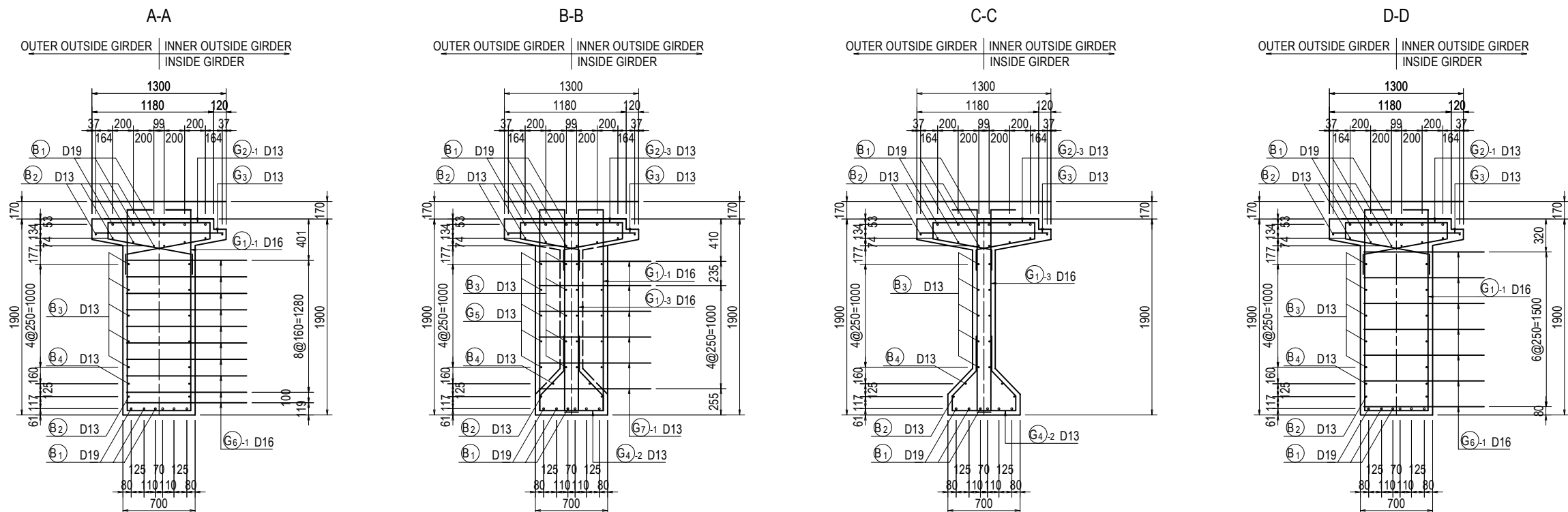
PF.15-AF.2



PLAN S=1:100

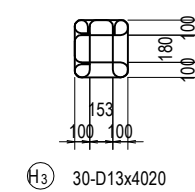
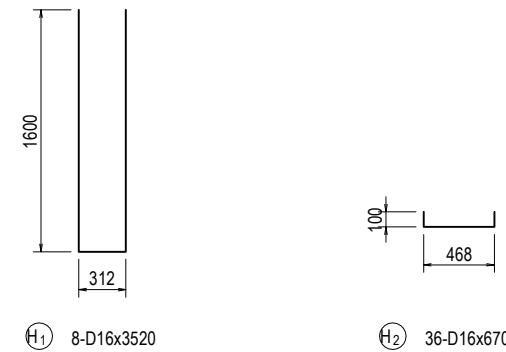
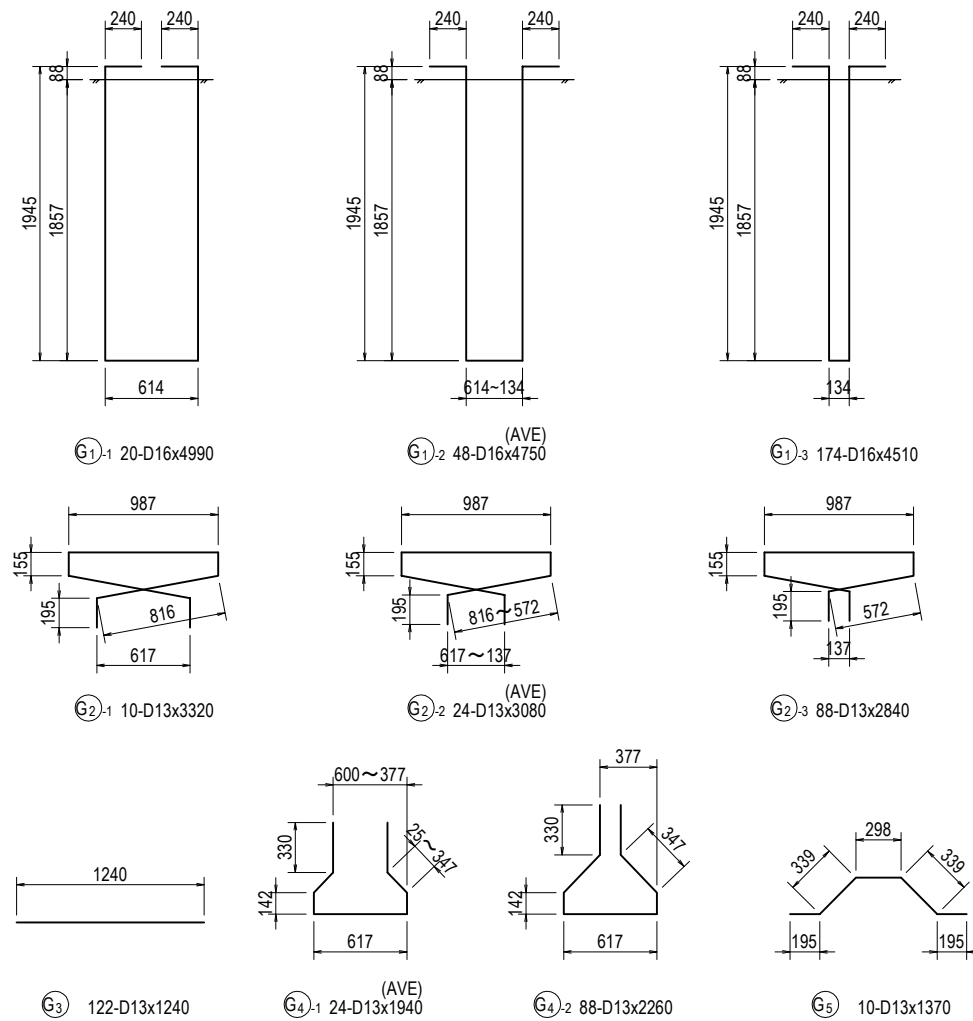
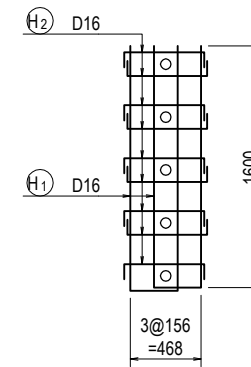
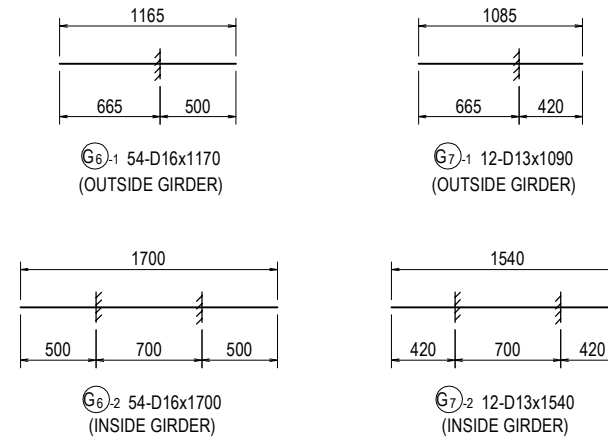
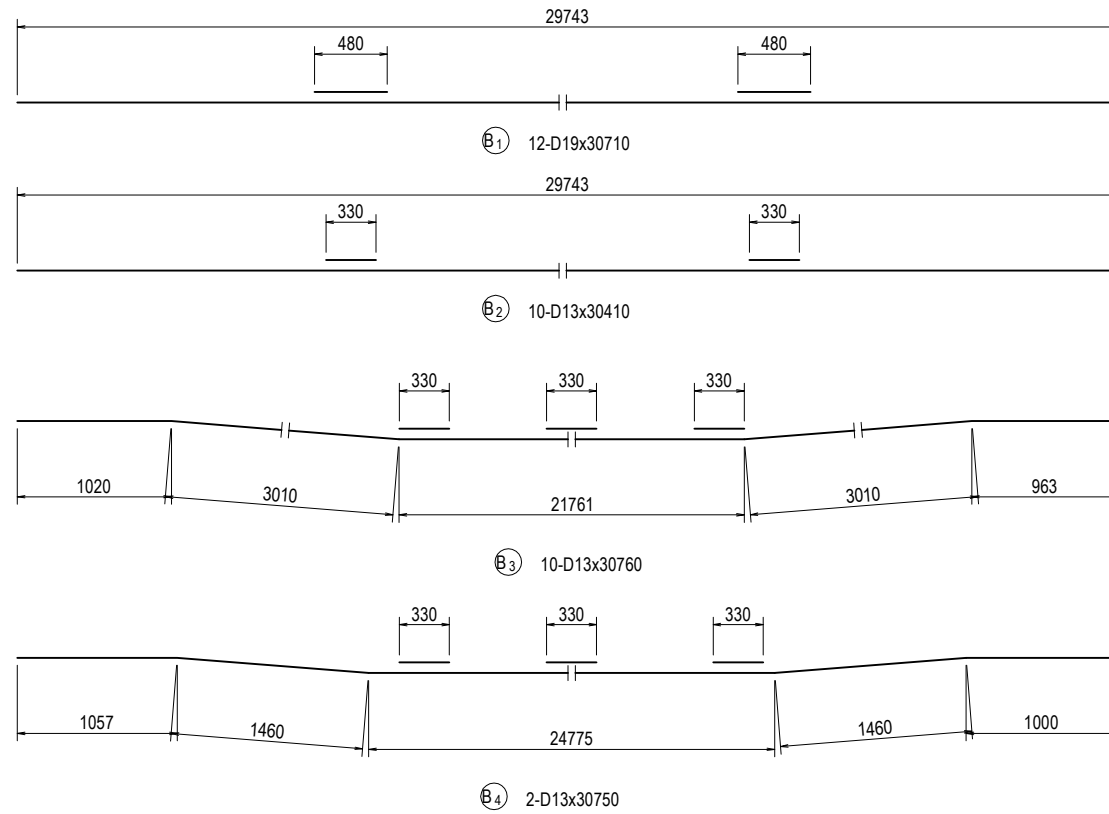


CROSS SECTION OF MAIN GIRDER S=1:50



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
							BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (3)	3	
								DWG No.	
								P3-FO-1309	

BAR ARRANGEMENT OF MAIN GIRDER (PF14-AF2) (4)



BAR LIST

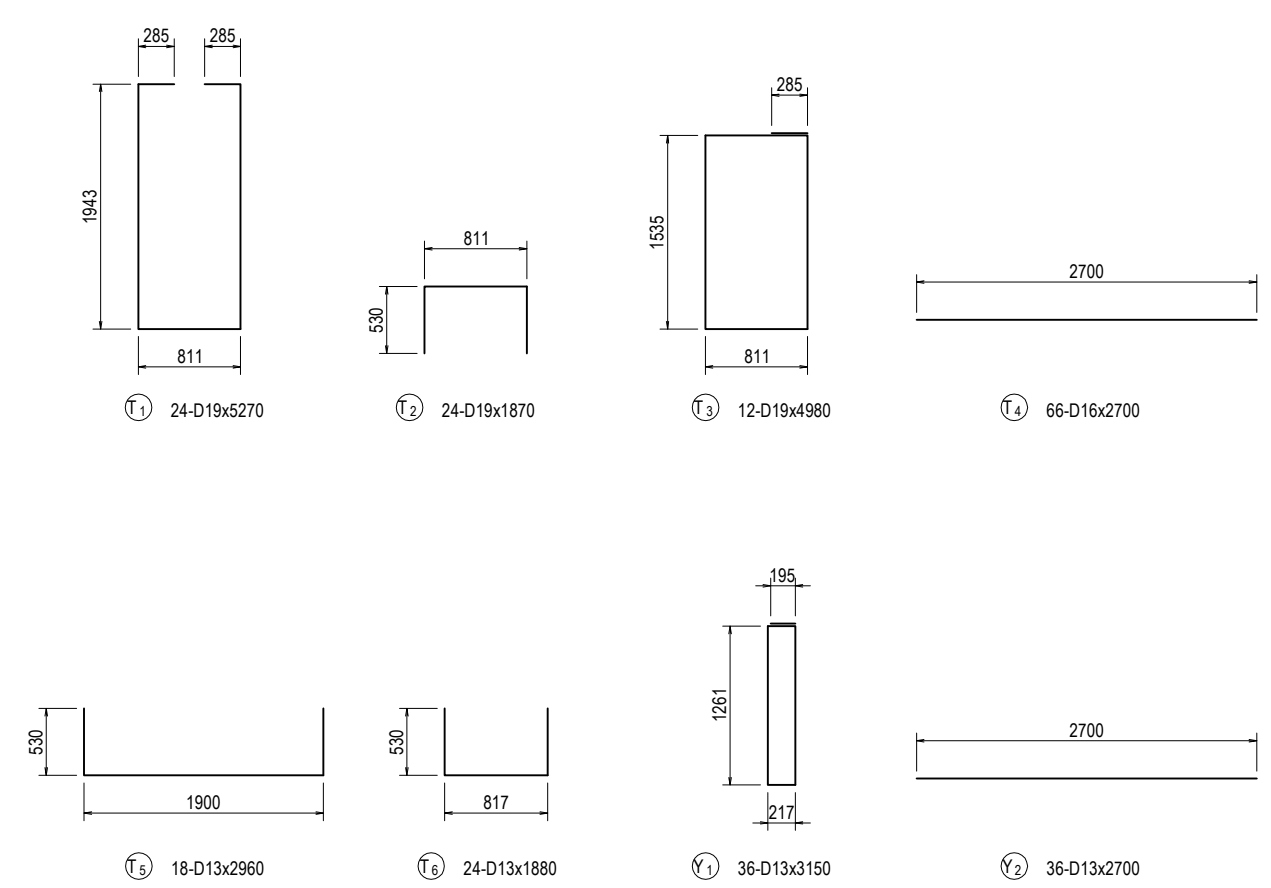
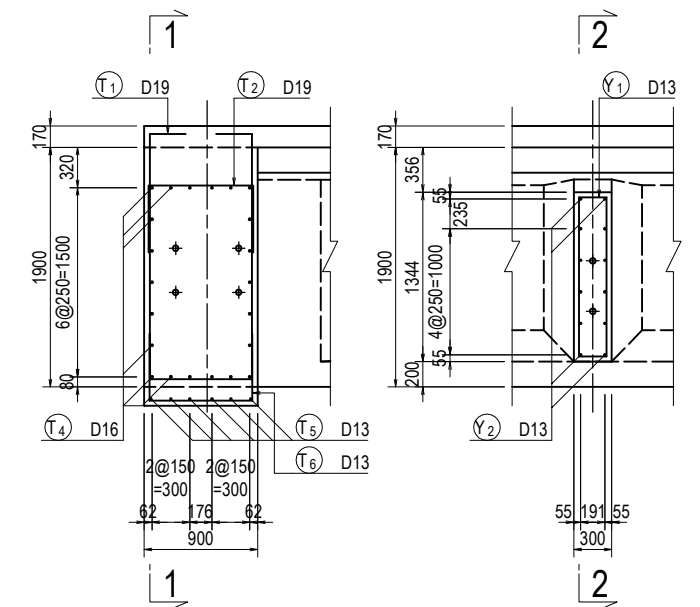
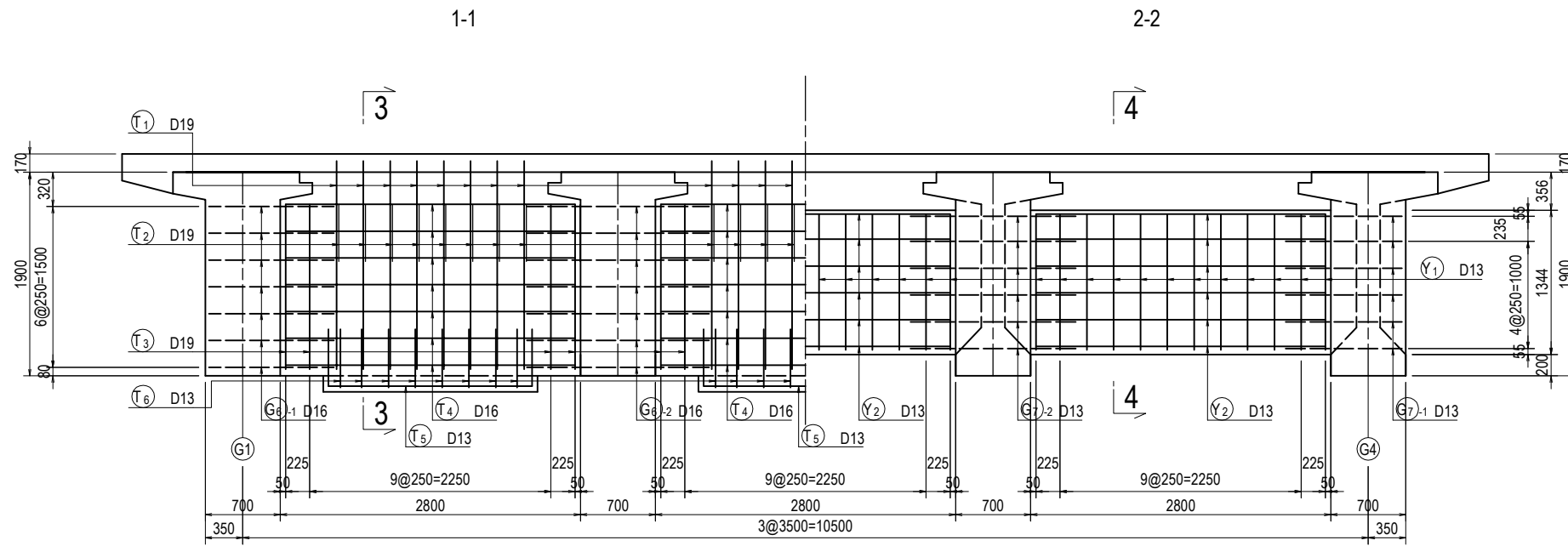
REBAR NO.	DIA (mm)	LENGHT (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
B 1	D19	30710	12	2.25	69.10	829	
B 2	D13	30410	10	0.995	30.26	303	
B 3	D13	30760	10	0.995	30.61	306	
B 4	D13	30750	2	0.995	30.60	61	
G 1 -1	D16	4990	20	1.56	7.78	156	
G 1 -2	D16	4750	48	1.56	7.41	356	AVERAGE
G 1 -3	D16	4510	174	1.56	7.04	1225	
G 2 -1	D13	3320	10	0.995	3.30	33	
G 2 -2	D13	3080	24	0.995	3.06	73	AVERAGE
G 2 -3	D13	2840	88	0.995	2.83	249	
G 3	D13	1240	122	0.995	1.23	150	
G 4 -1	D13	1940	24	0.995	1.93	46	AVERAGE
G 4 -2	D13	2260	88	0.995	2.25	198	
G 5	D13	1370	10	0.995	1.36	14	
G 6 -1	D16	1170	54	1.56	1.83	99	OUTSIDE GIRDER
G 6 -2	D16	1700	54	1.56	2.65	143	INSIDE GIRDER
G 7 -1	D13	1090	12	0.995	1.08	13	OUTSIDE GIRDER
G 7 -2	D13	1540	12	0.995	1.53	18	INSIDE GIRDER
H 1	D16	3520	8	1.56	5.49	44	
H 2	D16	670	36	1.56	1.05	38	
H 3	D13	4020	30	0.995	4.00	120	
					D19	829 kg	(829) kg
					D16	1962 kg	(1918) kg
					D13	1571 kg	(1566) kg
					TOTAL	4362 kg	(4313) kg

Note: The value of inside () are for OUTSIDE GIRDER.

BAR ARRANGEMENT OF CROSSBEAM (PF14-AF2) (1)

CROSS SECTION S=1:60

SIDE VIEW S=1:60



PC STRAND LIST

	TYPE	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
CROSSBEAM AT END OF MAIN GIRDER	SWPR7BL 4S15.2	11200	8	4.404	49.325	394.6	
INTERMEDIATE CROSSBEAM	SWPR7BL 4S15.2	11200	4	4.404	49.325	197.3	
TOTAL LENGTH					ΣL=	134.400	m
TOTAL WEIGHT					ΣW=	519.9	kg

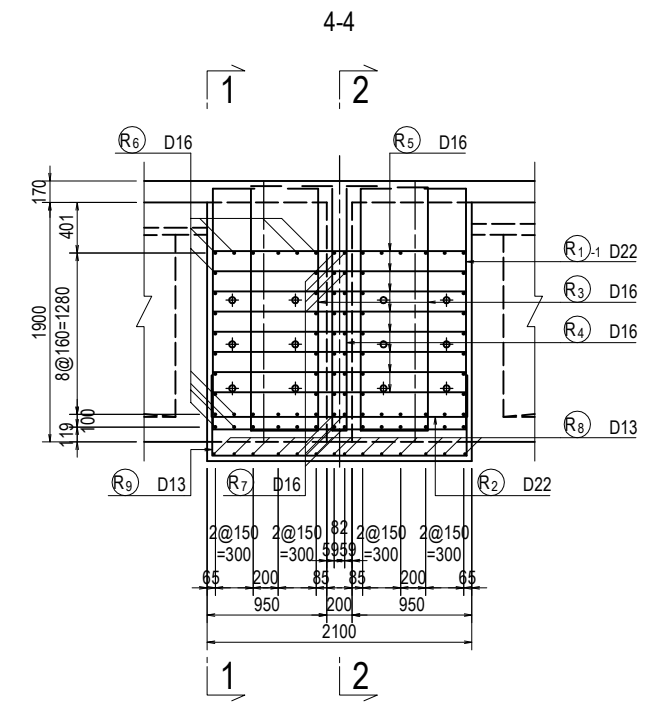
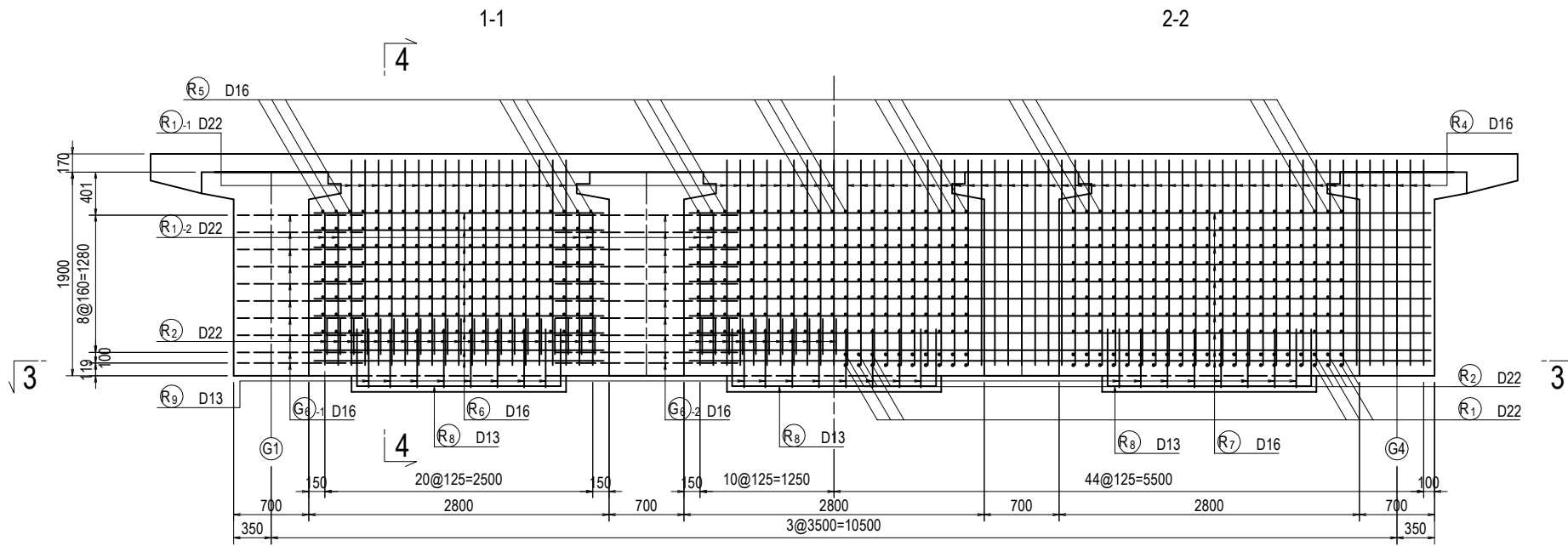
BAR LIST

REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
T1	D19	5270	24	2.25	11.86	285	
T2	D19	1870	24	2.25	4.21	101	
T3	D19	4980	12	2.25	11.21	135	
T4	D16	2700	66	1.56	4.21	278	
T5	D13	2960	18	0.995	2.95	53	
T6	D13	1880	24	0.995	1.87	45	
Y1	D13	3150	36	0.995	3.13	113	
Y2	D13	2700	36	0.995	2.69	97	
				D19	521 kg	×2 =	1042 kg
				D16	278 kg	×2 =	556 kg
				D13	308 kg	×2 =	616 kg
				TOTAL	1107 kg	×2 =	2214 kg

BAR ARRANGEMENT OF CROSSBEAM (PF14-AF2) (2)

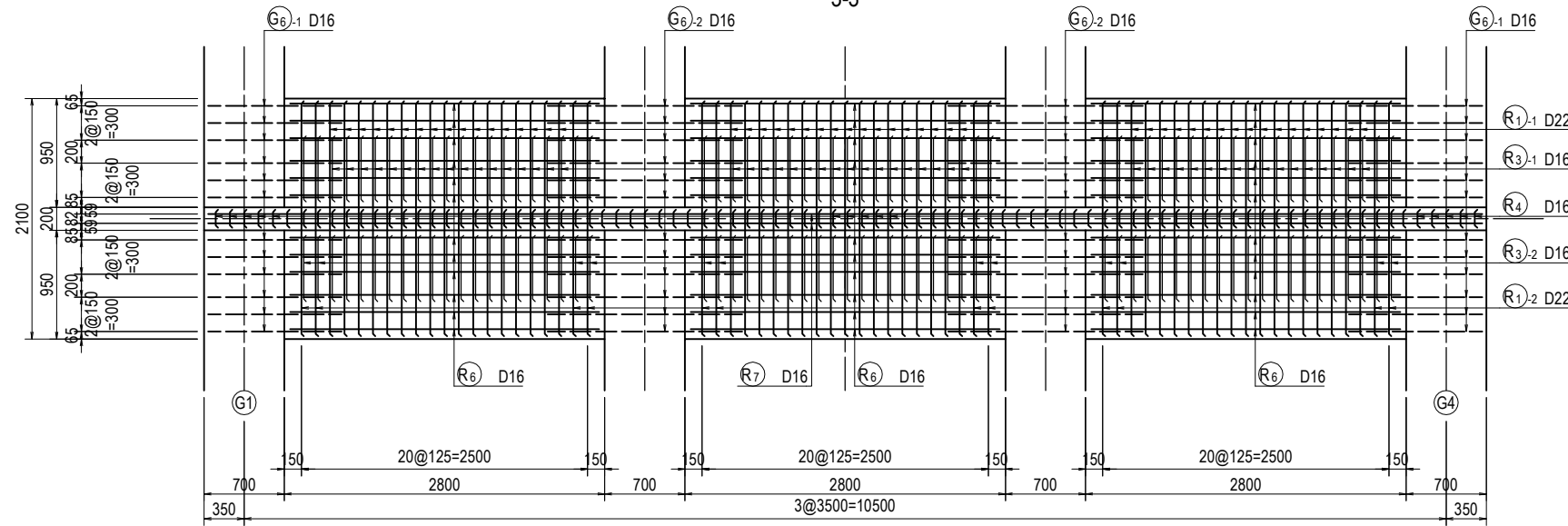
CROSS SECTION S=1:60

SIDE VIEW S=1:60



PLAN S=1:60

3-3

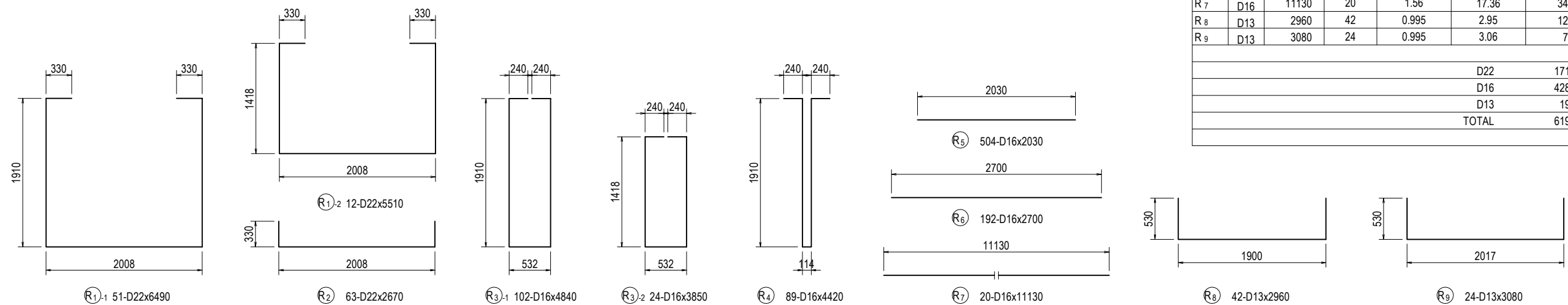


PC STRAND LIST

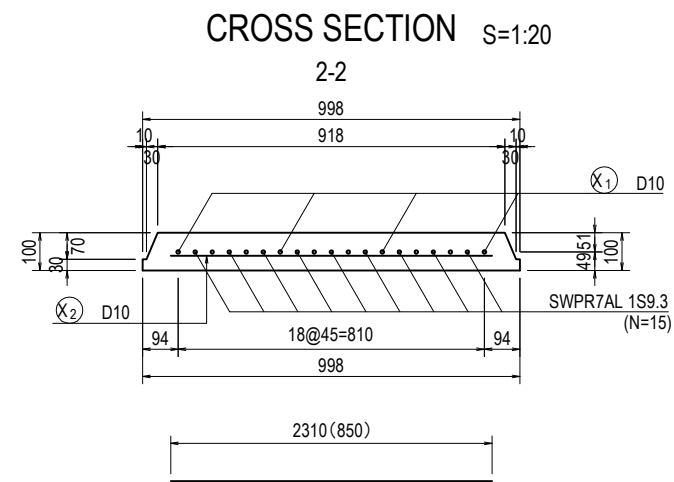
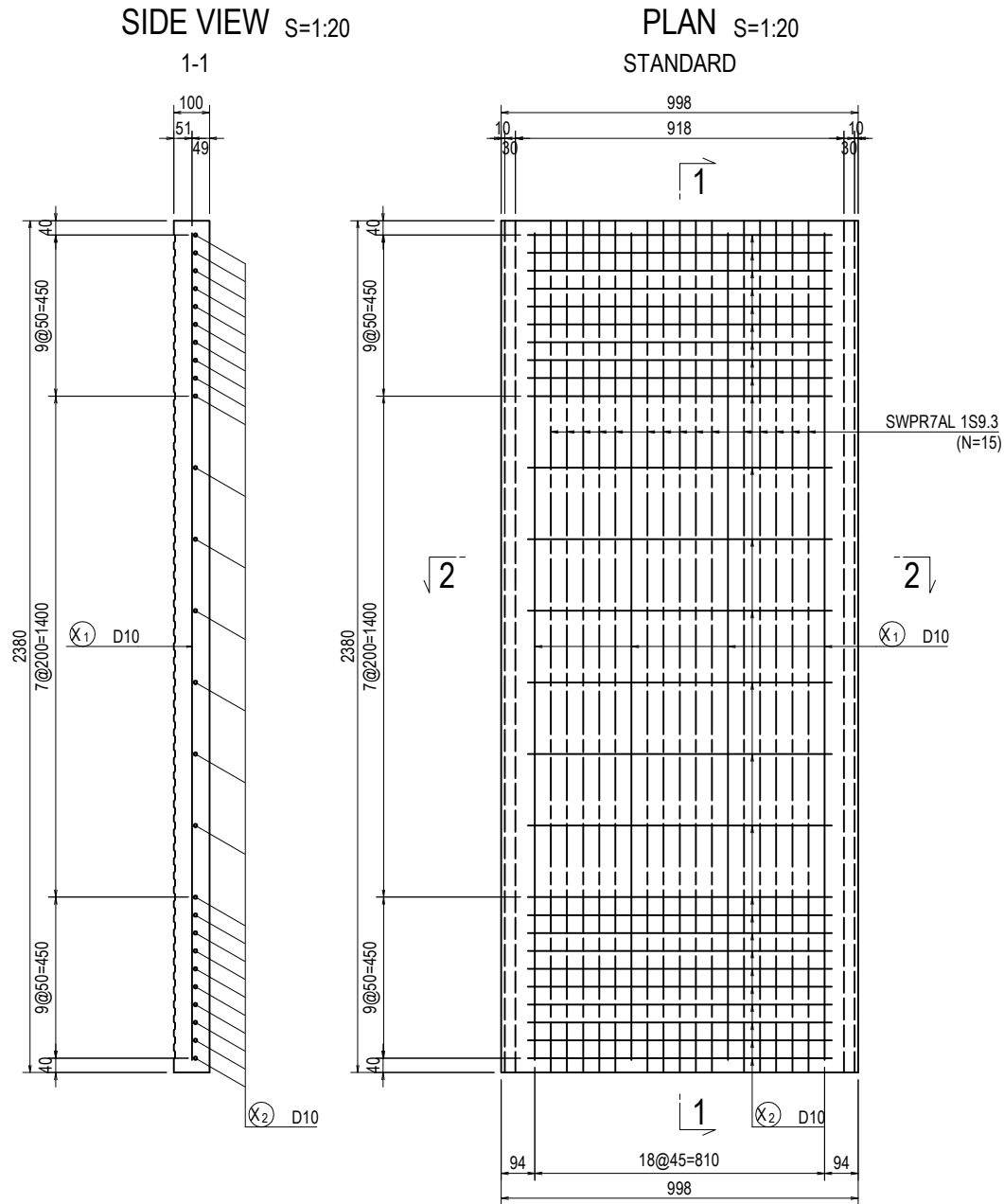
	TYPE	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
	CONNECTING CROSSBEAM	SWPR7BL 4S15.2	11200	12	4.404	49.325	591.9
TOTAL LENGTH						ΣL=	134.400 m
TOTAL WEIGHT						ΣW=	591.9 kg

BAR LIST

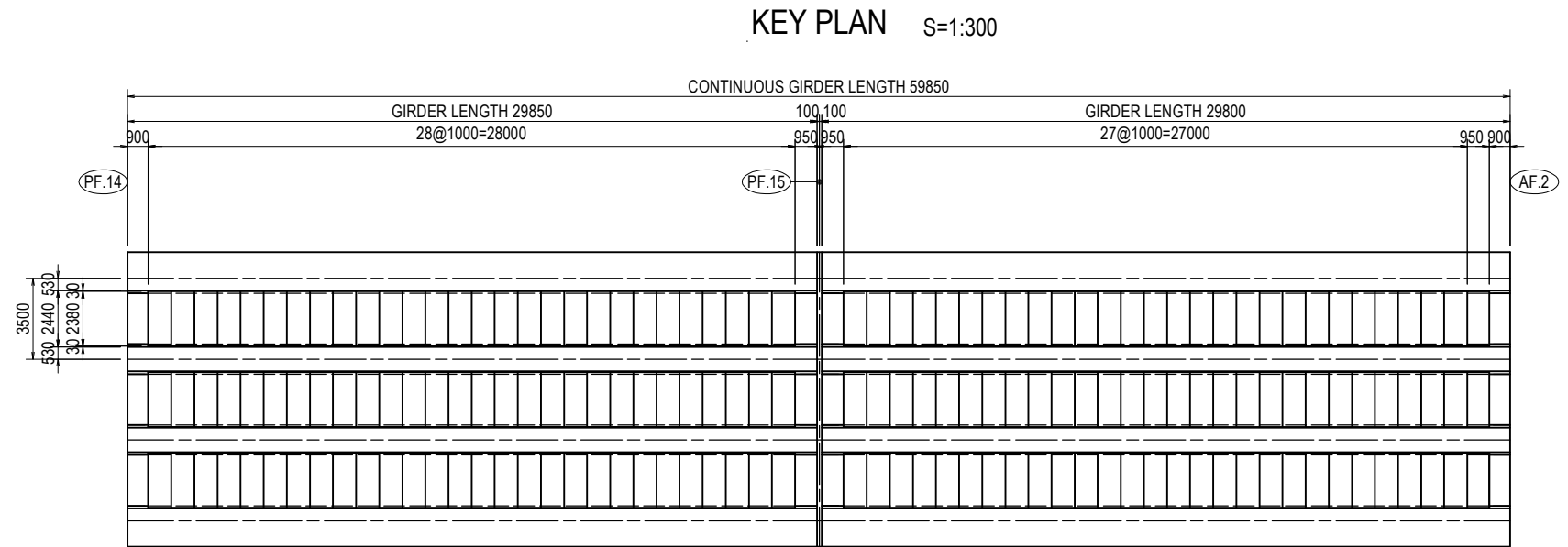
REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
R1-1	D22	6490	51	3.04	19.73	1006	
R1-2	D22	5510	12	3.04	16.75	201	
R2	D22	2670	63	3.04	8.12	512	
R3-1	D16	4840	102	1.56	7.55	770	
R3-2	D16	3850	24	1.56	6.01	144	
R4	D16	4420	89	1.56	6.90	614	
R5	D16	2030	504	1.56	3.17	1598	
R6	D16	2700	192	1.56	4.21	808	
R7	D16	11130	20	1.56	17.36	347	
R8	D13	2960	42	0.995	2.95	124	
R9	D13	3080	24	0.995	3.06	73	
D22						1719	kg
D16						4281	kg
D13						197	kg
TOTAL						6197	kg



DETAIL OF PC PLATE FOR DECK SLAB (PF14-AF2)



(X1) 4-D10x2310
(X2) 26-D10x850



BAR LIST

REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
X1	D10	2310	4	0.56	1.29	5.2	
X2	D10	850	26	0.56	0.48	12.5	
						17.7 kg	
TOTAL					17.7 kg	×168 =	2973.6 kg

PC STRAND LIST

TYPE	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS	
SWPR7AL 1S9.3	2380	15	0.405	0.96	14.4		
TOTAL					14.4 kg	×168 =	2419.2 kg

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

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

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	Y. SUZUKI		14 Jul. 2017
CHECKED BY	T. HAYAKAWA		20 Jul. 2017
APPROVED BY	Y. SANO		25 Jul. 2017

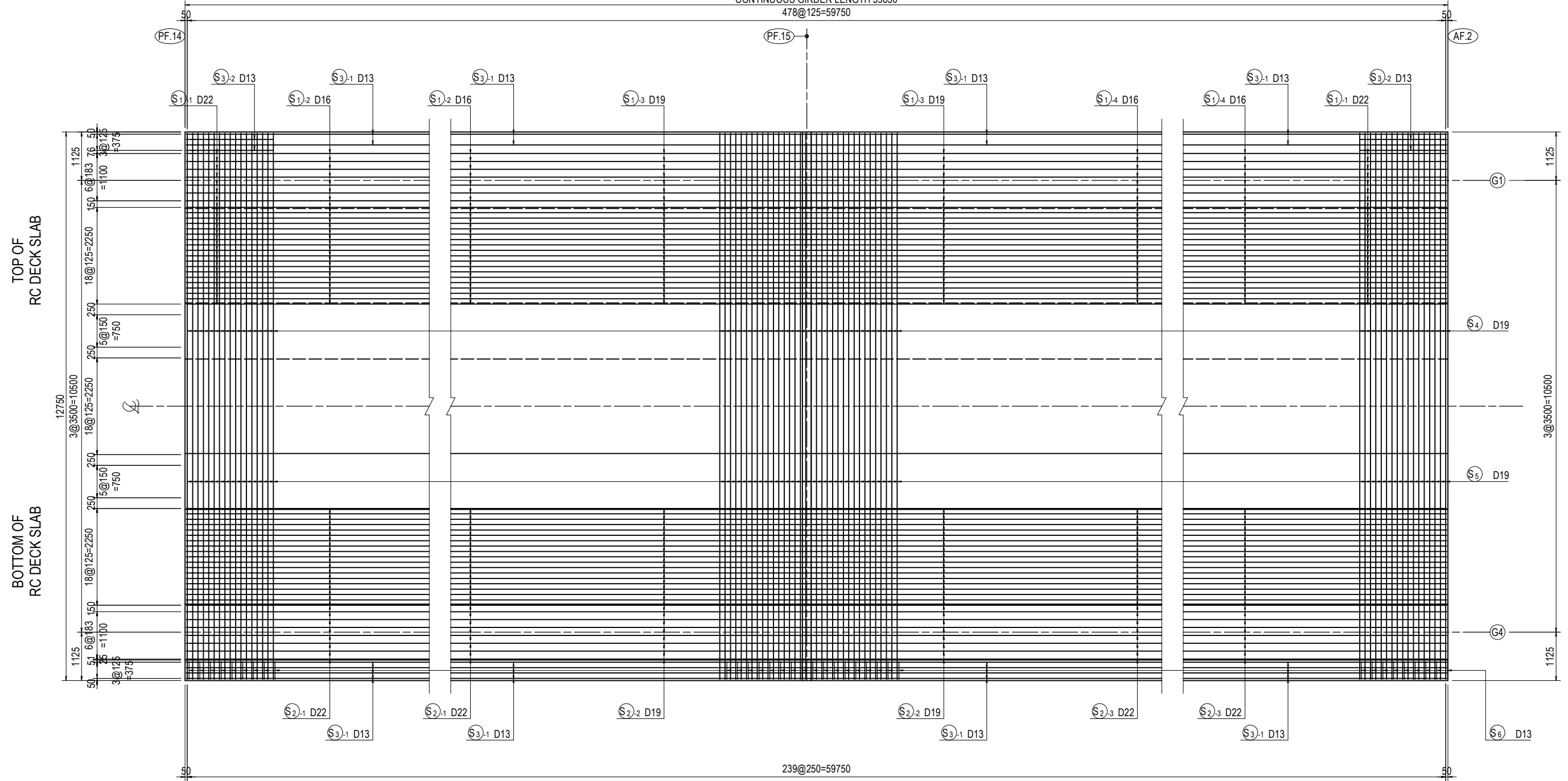
DRAWING TITLE
DETAIL OF PC PLATE FOR DECK SLAB (PF14-AF2)

PACKAGE
3
DWG No.
P3-FO-1313

BAR ARRANGEMENT OF DECK SLAB (PF14-AF2) (1)

PLAN S=1:100

CONTINUOUS GIRDER LENGTH 59850
478@125=59750



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

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

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

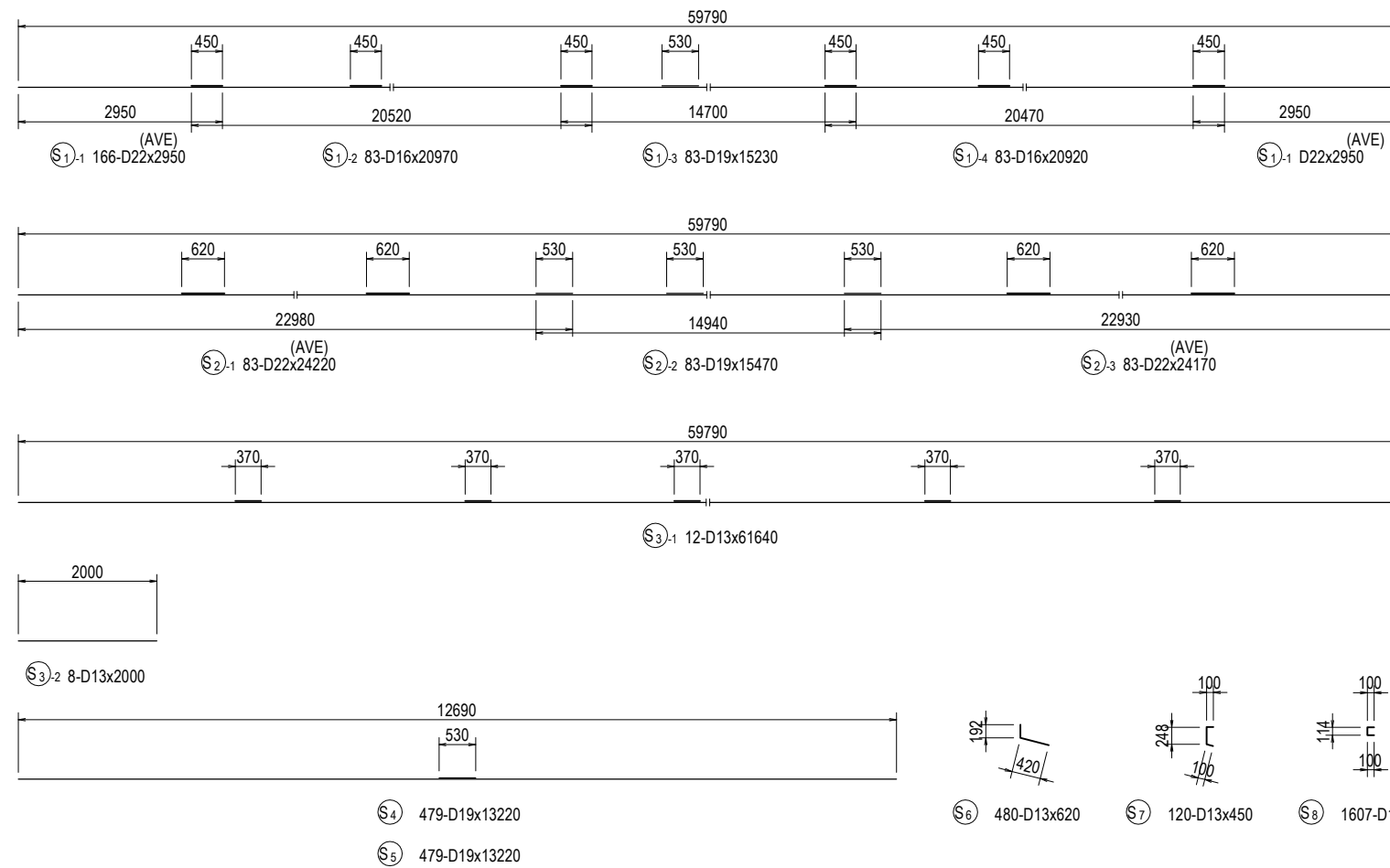
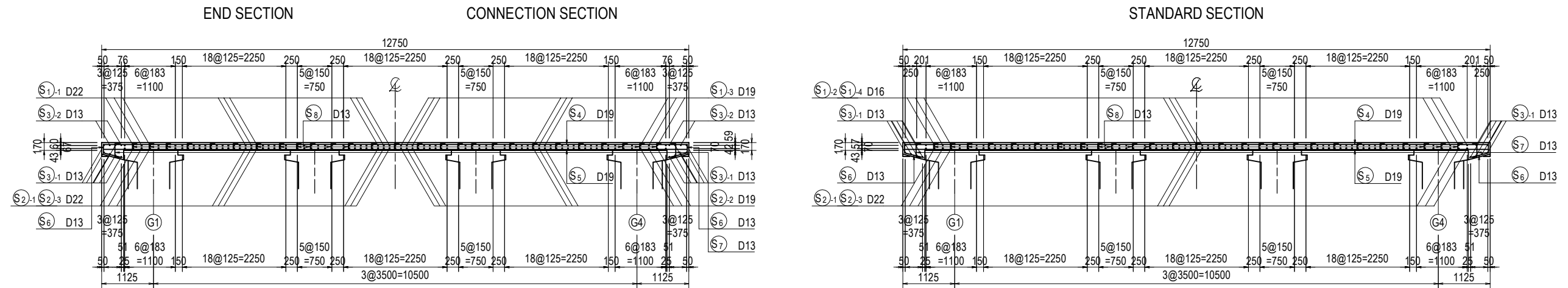
	NAME	SIGNATURE	DATE
PREPARED BY	Y. SUZUKI		14 Jul. 2017
CHECKED BY	T. HAYAKAWA		20 Jul. 2017
APPROVED BY	Y. SANO		25 Jul. 2017

DRAWING TITLE
BAR ARRANGEMENT OF DECK SLAB (PF14-AF2) (1)

PACKAGE
3
DWG No.
P3-FO-1314

BAR ARRANGEMENT OF DECK SLAB (PF14-AF2) (2)

CROSS SECTION S=1:100

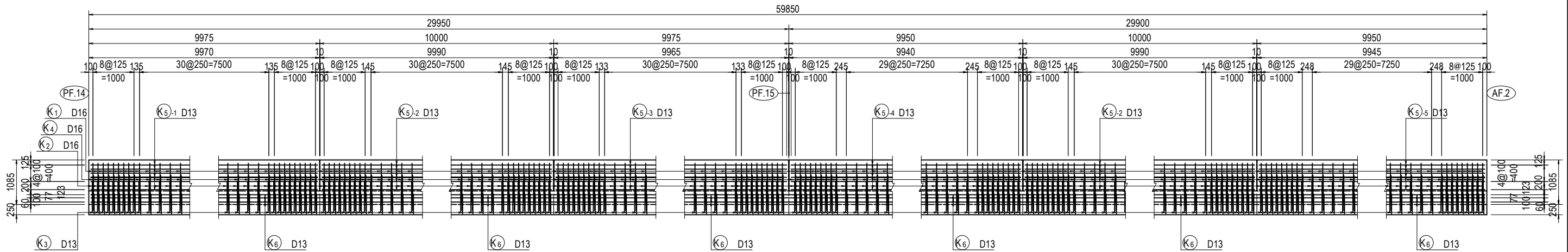


BAR LIST

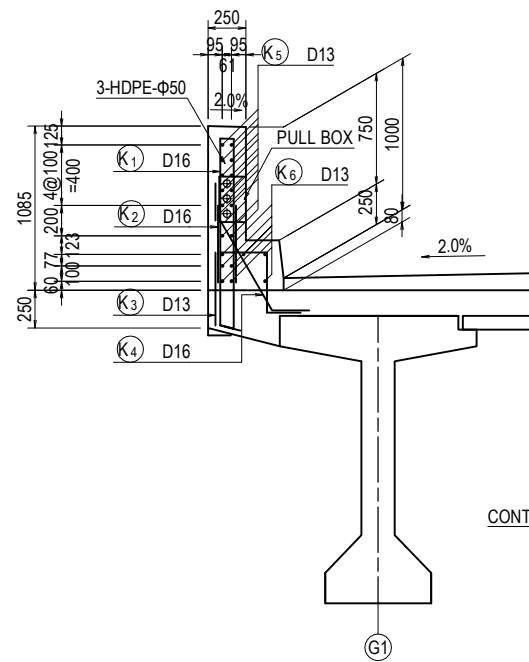
REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
S 1 -1	D22	2950	166	3.04	8.97	1489	AVERAGE
S 1 -2	D16	20970	83	1.56	32.71	2715	
S 1 -3	D19	15230	83	2.25	34.27	2844	
S 1 -4	D16	20920	83	1.56	32.64	2709	
S 2 -1	D22	24220	83	3.04	73.63	6111	AVERAGE
S 2 -2	D19	15470	83	2.25	34.81	2889	
S 2 -3	D22	24170	83	3.04	73.48	6099	AVERAGE
S 3 -1	D13	61640	12	0.995	61.33	736	
S 3 -2	D13	2000	8	0.995	1.99	16	
S 4	D19	13220	479	2.25	29.75	14250	
S 5	D19	13220	479	2.25	29.75	14250	
S 6	D13	620	480	0.995	0.62	298	
S 7	D13	450	120	0.995	0.45	54	
S 8	D13	320	1607	0.995	0.32	514	
						D22	13699 kg
						D19	34233 kg
						D16	5424 kg
						D13	1618 kg
						TOTAL	54974 kg

DETAIL OF CONCRETE CURB, BARRIER AND MEDIUM (PF14-AF2) (1)

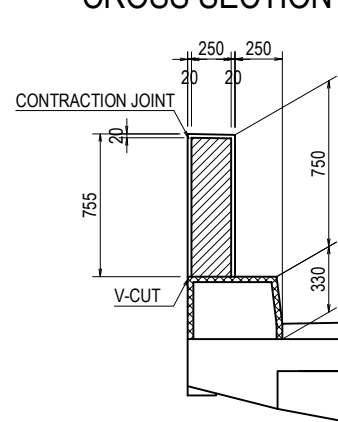
SIDE VIEW S=1:100



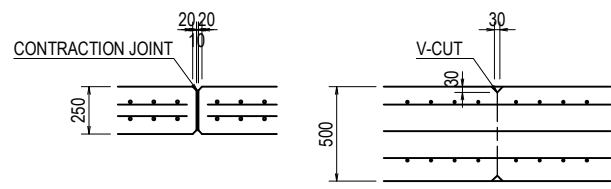
CROSS SECTION S=1:50



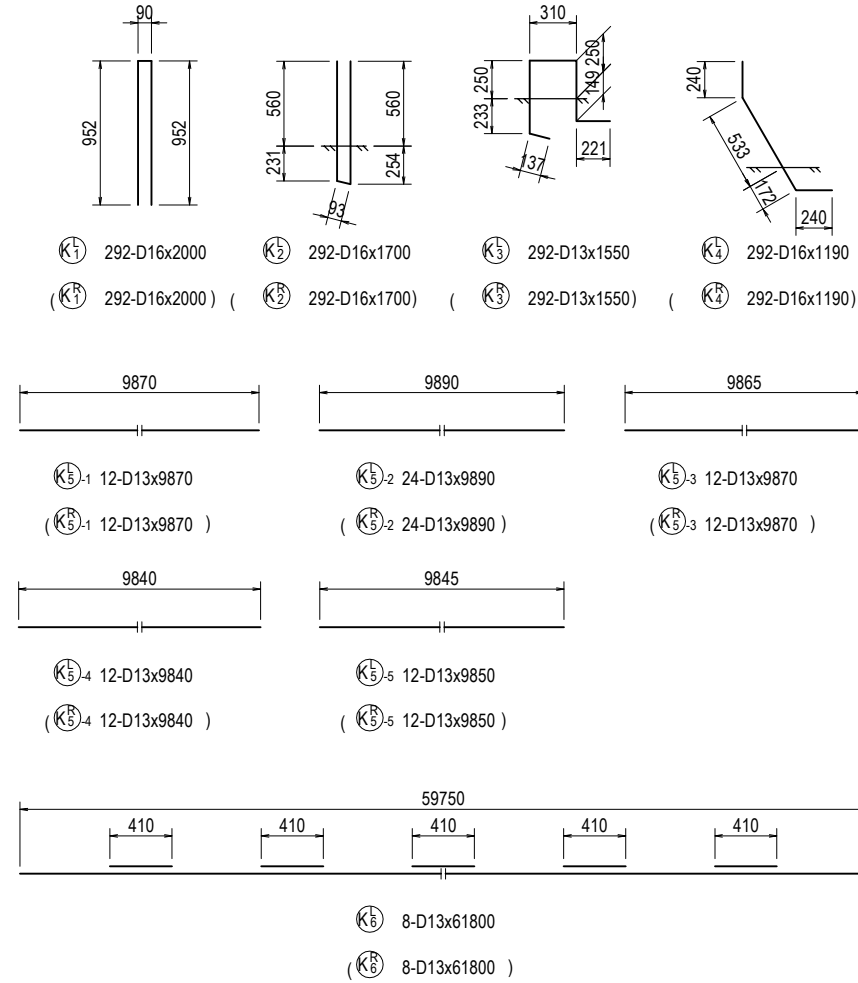
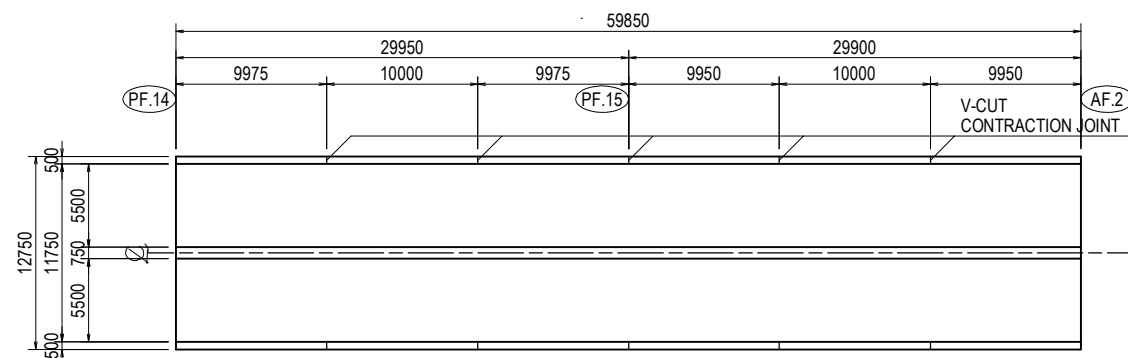
CROSS SECTION S=1:40



DETAIL OF CONSTRUCTION JOINT



KEY PLAN S=1:500

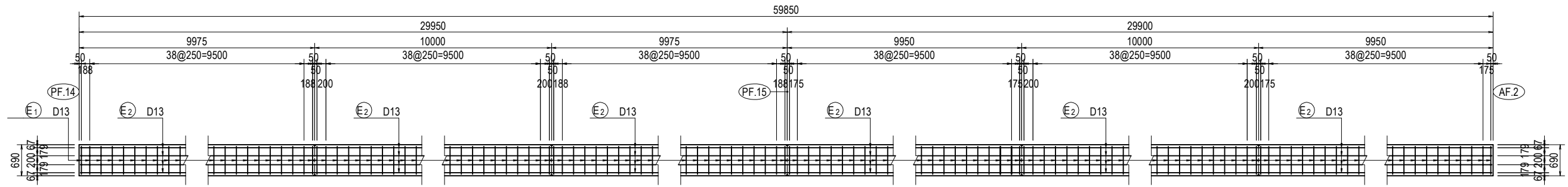


BAR LIST

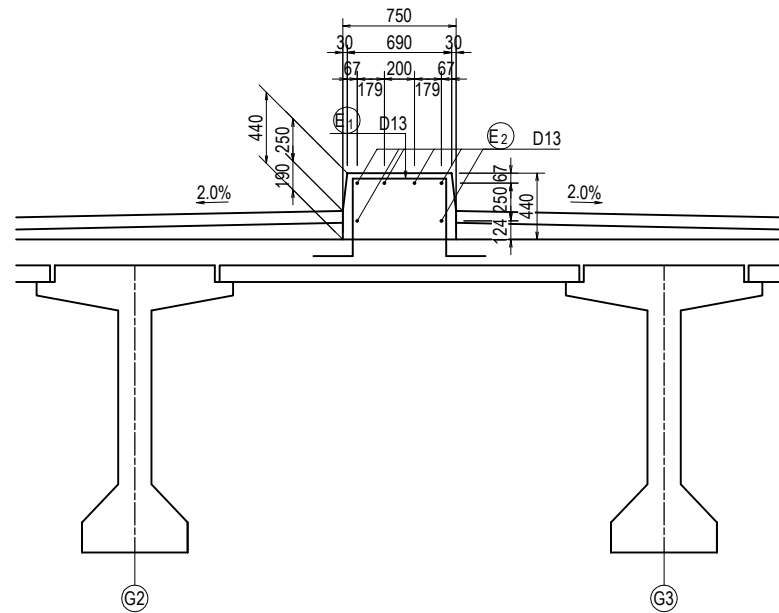
REBAR NO.	DIA (mm)	LENGHT (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
K1	D16	2000	292	1.56	3.12	911	
K2	D16	1700	292	1.56	2.65	774	
K3	D13	1550	292	0.995	1.54	450	
K4	D16	1190	292	1.56	1.86	543	
K5-1	D13	9870	12	0.995	9.82	118	
K5-2	D13	9890	24	0.995	9.84	236	
K5-3	D13	9870	12	0.995	9.82	118	
K5-4	D13	9840	12	0.995	9.79	117	
K5-5	D13	9850	12	0.995	9.80	118	
K6	D13	61800	8	0.995	61.49	492	
K1R	D16	2000	292	1.56	3.12	911	
K2R	D16	1700	292	1.56	2.65	774	
K3R	D13	1550	292	0.995	1.54	450	
K4R	D16	1190	292	1.56	1.86	543	
K5-1R	D13	9870	12	0.995	9.82	118	
K5-2R	D13	9890	24	0.995	9.84	236	
K5-3R	D13	9870	12	0.995	9.82	118	
K5-4R	D13	9840	12	0.995	9.79	117	
K5-5R	D13	9850	12	0.995	9.80	118	
K6R	D13	61800	8	0.995	61.49	492	
					D16	4456 kg	
					D13	3298 kg	
					TOTAL	7754 kg	

DETAIL OF CONCRETE CURB, BARRIER AND MEDIUM (PF14-AF2) (2)

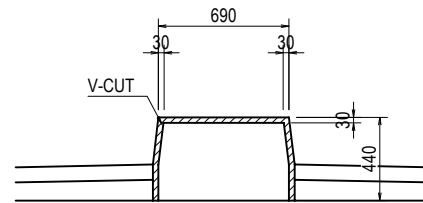
PLAN S=1:100



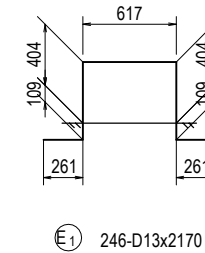
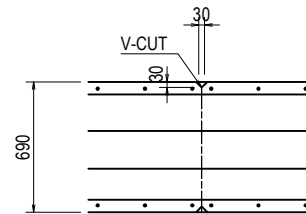
CROSS SECTION S=1:50



CROSS SECTION S=1:40



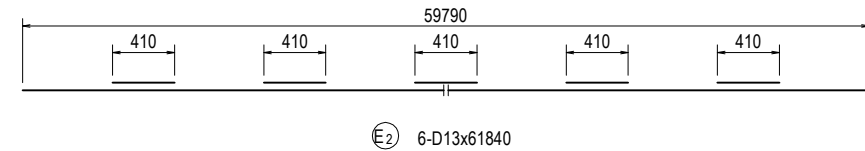
DETAIL OF V-CUT



E1 246-D13x2170

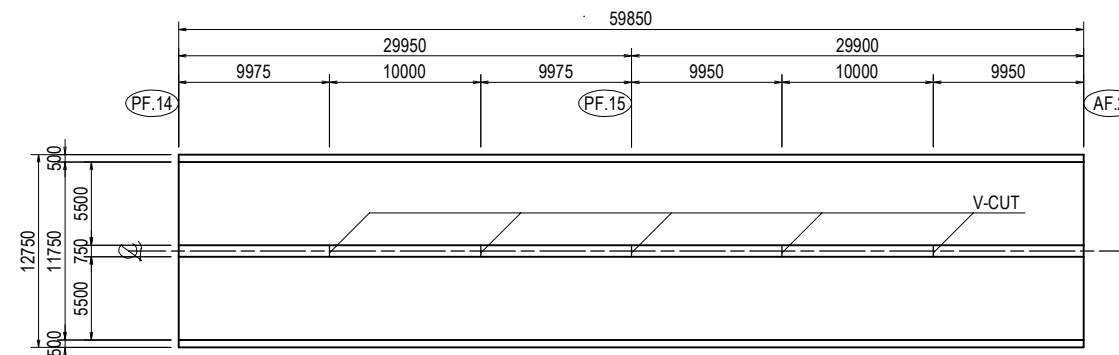
BAR LIST

REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
E 1	D13	2170	246	0.995	2.16	531	
E 2	D13	61840	6	0.995	61.53	369	
						900 kg	
TOTAL						900 kg	



E2 6-D13x61840

KEY PLAN S=1:500



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

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

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

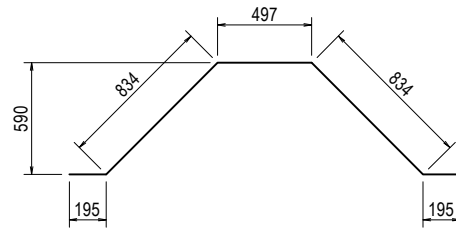
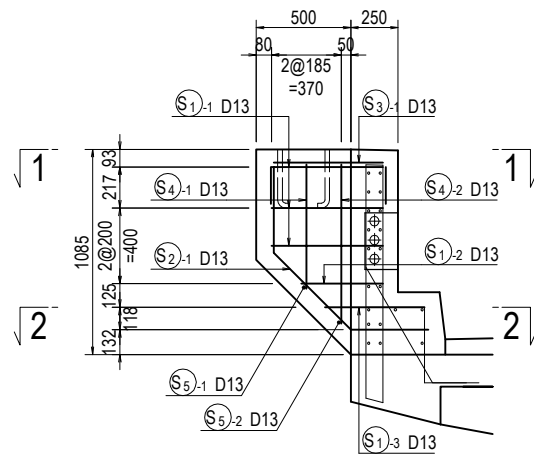
	NAME	SIGNATURE	DATE
PREPARED BY	Y. SUZUKI	<i>YS</i>	14 Jul. 2017
CHECKED BY	T. HAYAKAWA	<i>平川知平</i>	20 Jul. 2017
APPROVED BY	Y. SANO	<i>佐野 祐一</i>	25 Jul. 2017

DRAWING TITLE
DETAIL OF CONCRETE CURB,
BARRIER AND MEDIUM (PF14-AF2) (2)

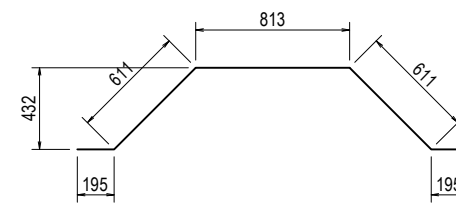
PACKAGE
3
DWG No.
P3-FO-1317

DETAIL OF LIGHTING FOUNDATION (PF14-AF2)

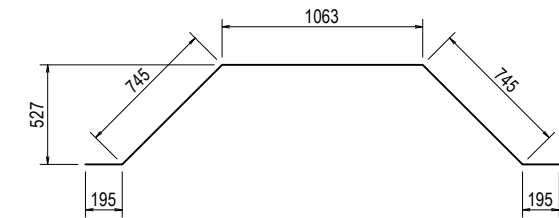
CROSS SECTION S=1:40



S1-1 3-D13x2560

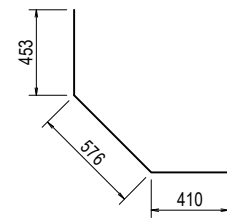
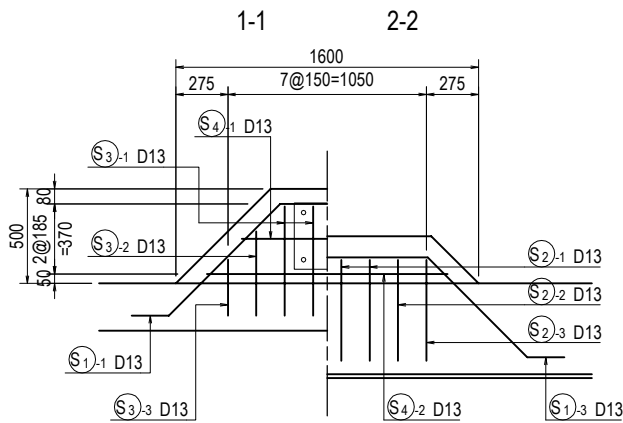


S1-2 1-D13x2430

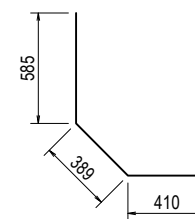


S1-3 1-D13x2950

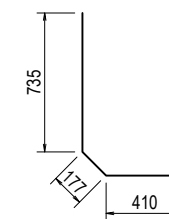
PLAN S=1:40



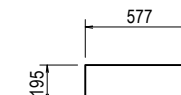
S2-1 4-D13x1440



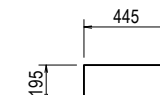
S2-2 2-D13x1390



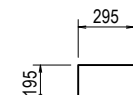
S2-3 2-D13x1330



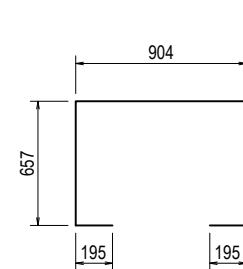
S3-1 4-D13x970



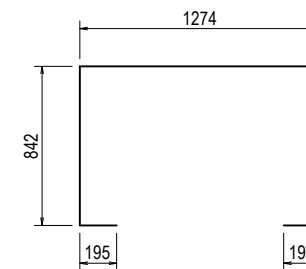
S3-2 2-D13x840



S3-3 2-D13x690



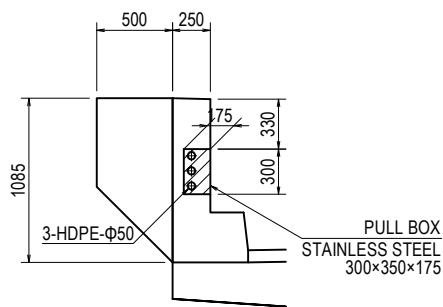
S4-1 1-D13x2610



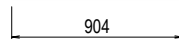
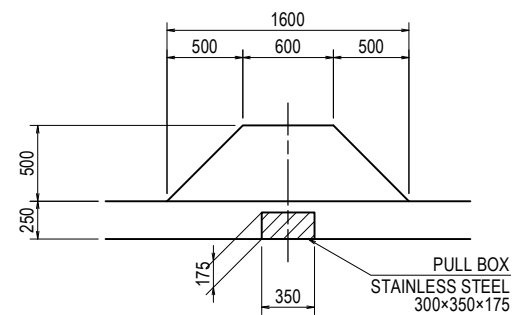
S4-2 1-D13x3350

PULLBOX DETAIL S=1:50

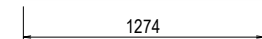
CROSS SECTION



PLAN



S5-1 1-D13x910



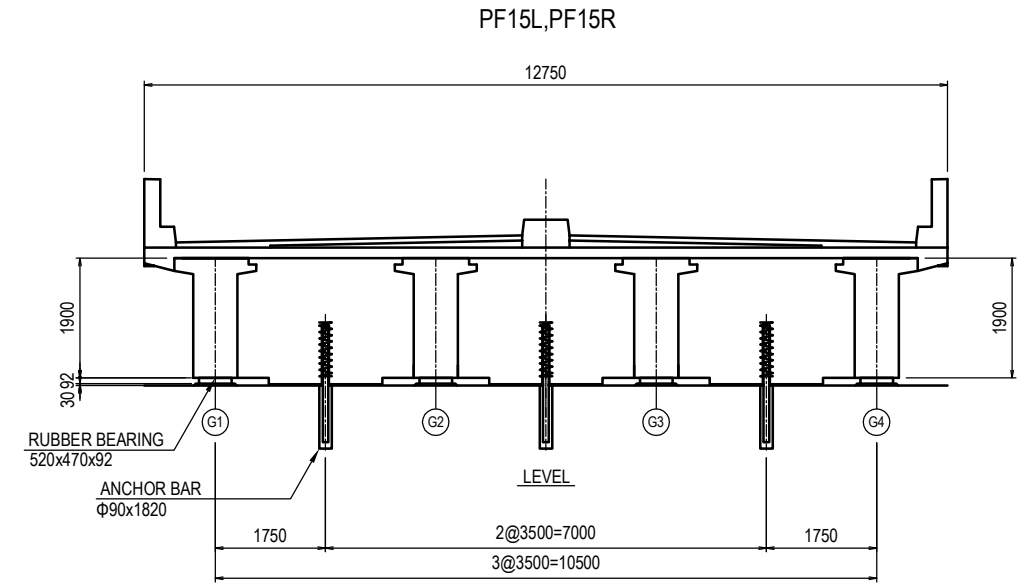
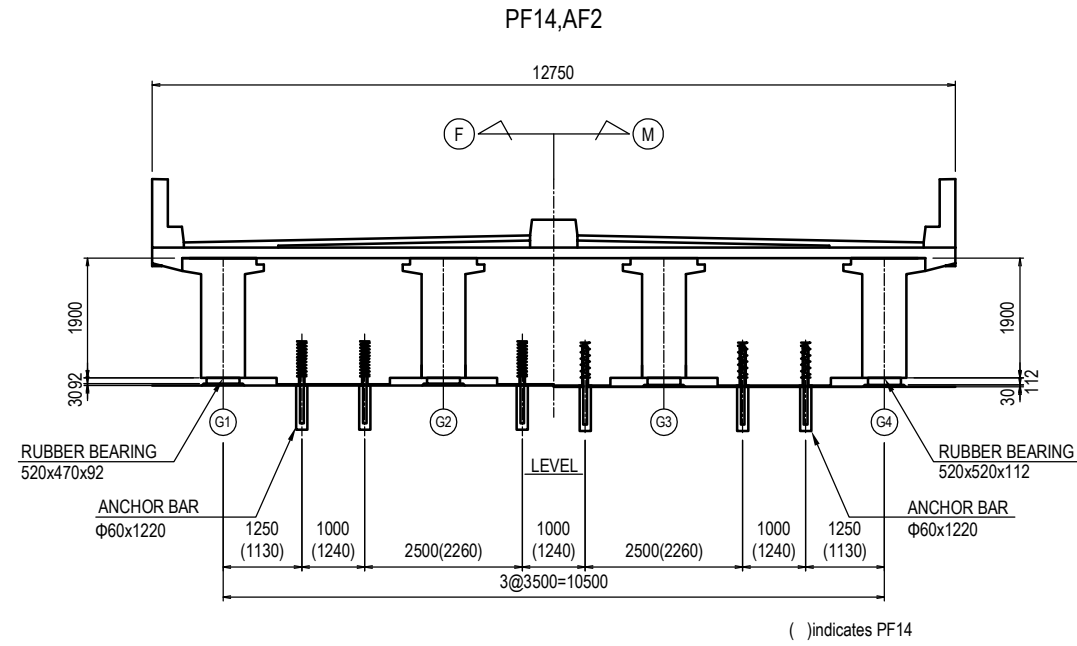
S5-2 1-D13x1280

BAR LIST

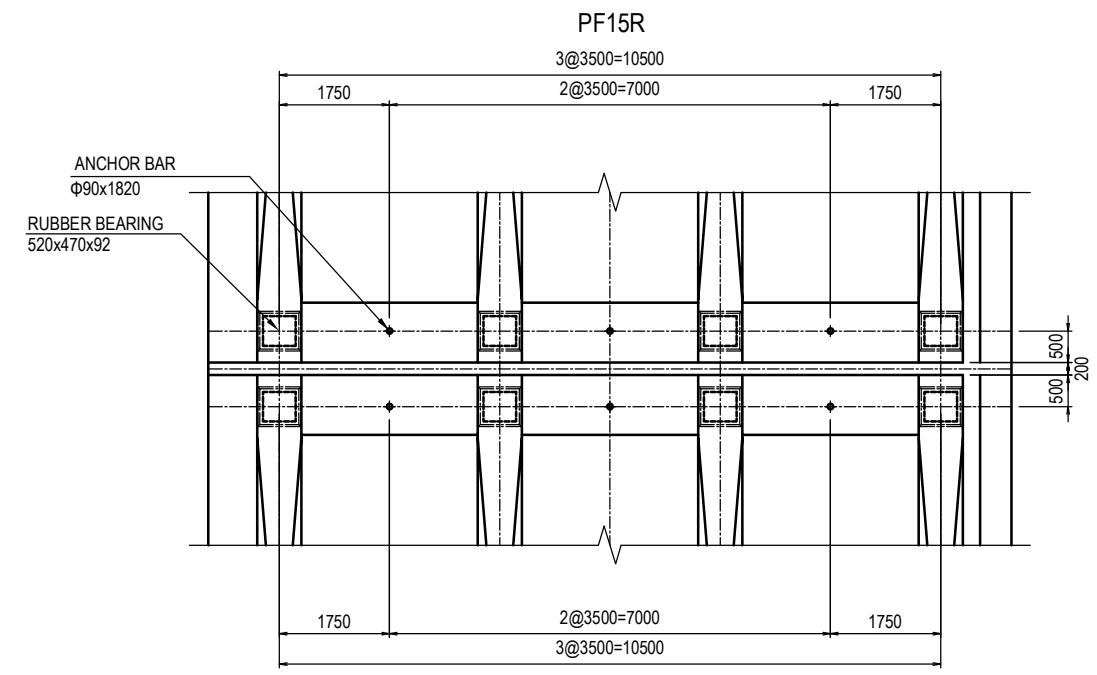
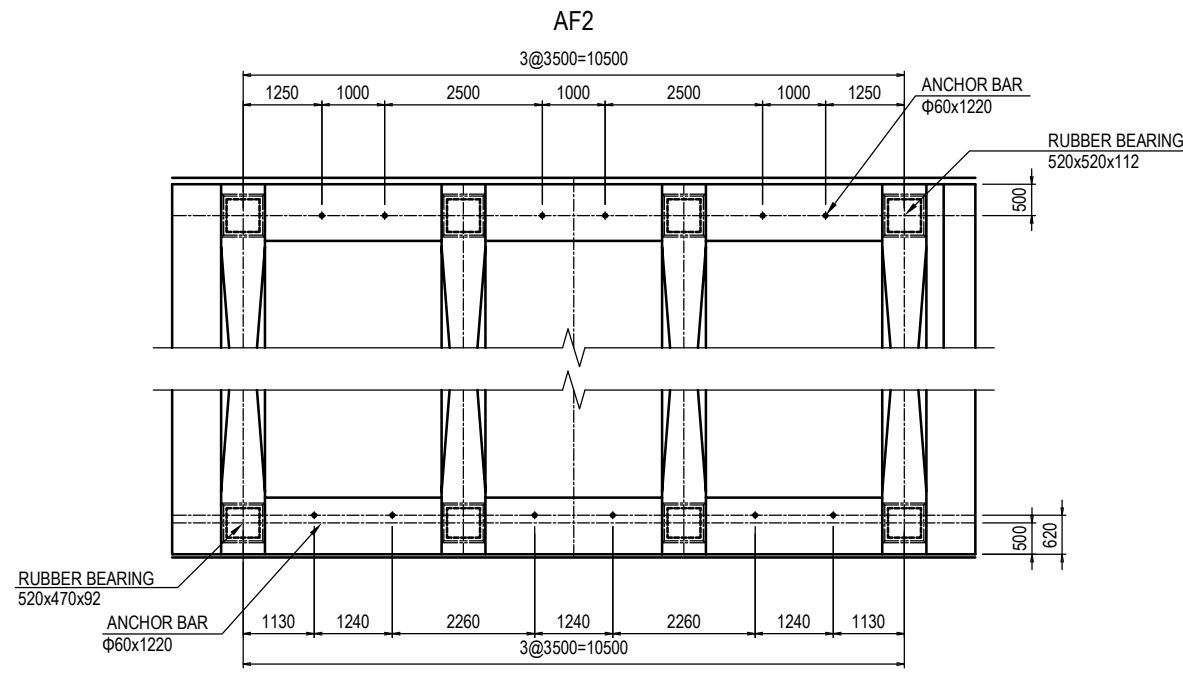
REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
S1-1	D13	2560	3	0.995	2.55	8	
S1-2	D13	2430	1	0.995	2.42	2	
S1-3	D13	2950	1	0.995	2.94	3	
S2-1	D13	1440	4	0.995	1.43	6	
S2-2	D13	1390	2	0.995	1.38	3	
S2-3	D13	1330	2	0.995	1.32	3	
S3-1	D13	970	4	0.995	0.97	4	
S3-2	D13	840	2	0.995	0.84	2	
S3-3	D13	690	2	0.995	0.69	1	
S4-1	D13	2610	1	0.995	2.60	3	
S4-2	D13	3350	1	0.995	3.33	3	
S5-1	D13	910	1	0.995	0.91	1	
S5-2	D13	1280	1	0.995	1.27	1	
						40	kg
TOTAL						40	kg

DETAIL OF RUBBER BEARING (PF14-AF2) (1)

CROSS SECTION S= 1:60



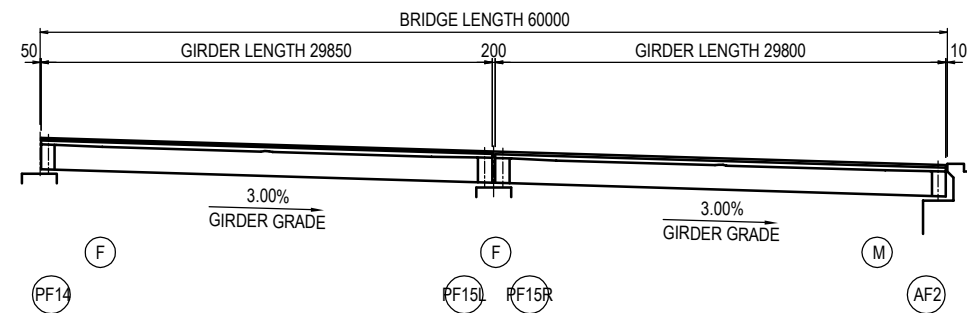
PLAN S= 1:60



PF14

PF15L

ELEVATION S= 1:250



DESIGN CONDITION

REACTION		PF14 (F)	PF15L (F)	PF15R (F)	AF2 (M)		
MAXIMUM REACTION	Rmax	1322 kN	1475 kN	1470 kN	1320 kN		
	Rmax2	1237 kN	1422 kN	1417 kN	1235 kN		
DEAD LOAD REACTION		Rd	994 kN	1006 kN	1002 kN	992 kN	
MAXIMUM STRAIN FORCE	LONGITUDIAL	Rhe1	472 kN	501 kN	501 kN	450 kN	
	TRANSVERSE	Rhe2	236 kN	338 kN	338 kN	235 kN	
STRAIN VOLUME	ORDINARY	LONGITUDIAL	ΔL	- mm	- mm	- mm	38.9 mm
		LONGITUDIAL	ΔLe1	- mm	- mm	- mm	26.7 mm
	LEVEL1	LONGITUDIAL	ΔL	- mm	- mm	- mm	- mm
		TRANSVERSE	ΔLe2	- mm	- mm	- mm	- mm

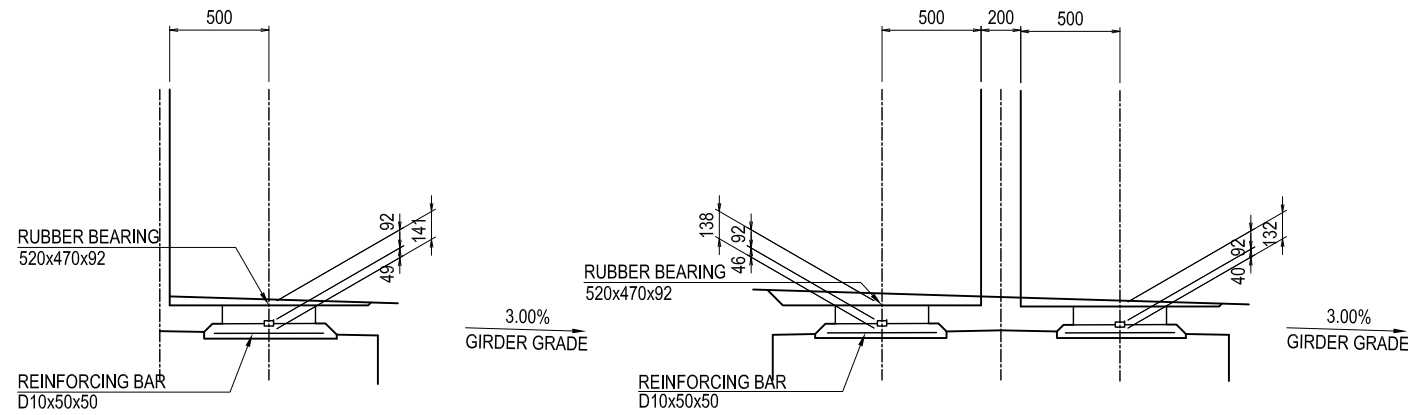
NOTES:

- 1) Details of the slab and girder are designed based on the product (rubber bearing) shown in this Drawing.
- 2) The Contractor has option to propose an alternative equivalent to the specified product, which shall be subjected to the Engineer's approval.
- 3) All the structural steels shall be galvanized to the requirements specified by JIS H8641.

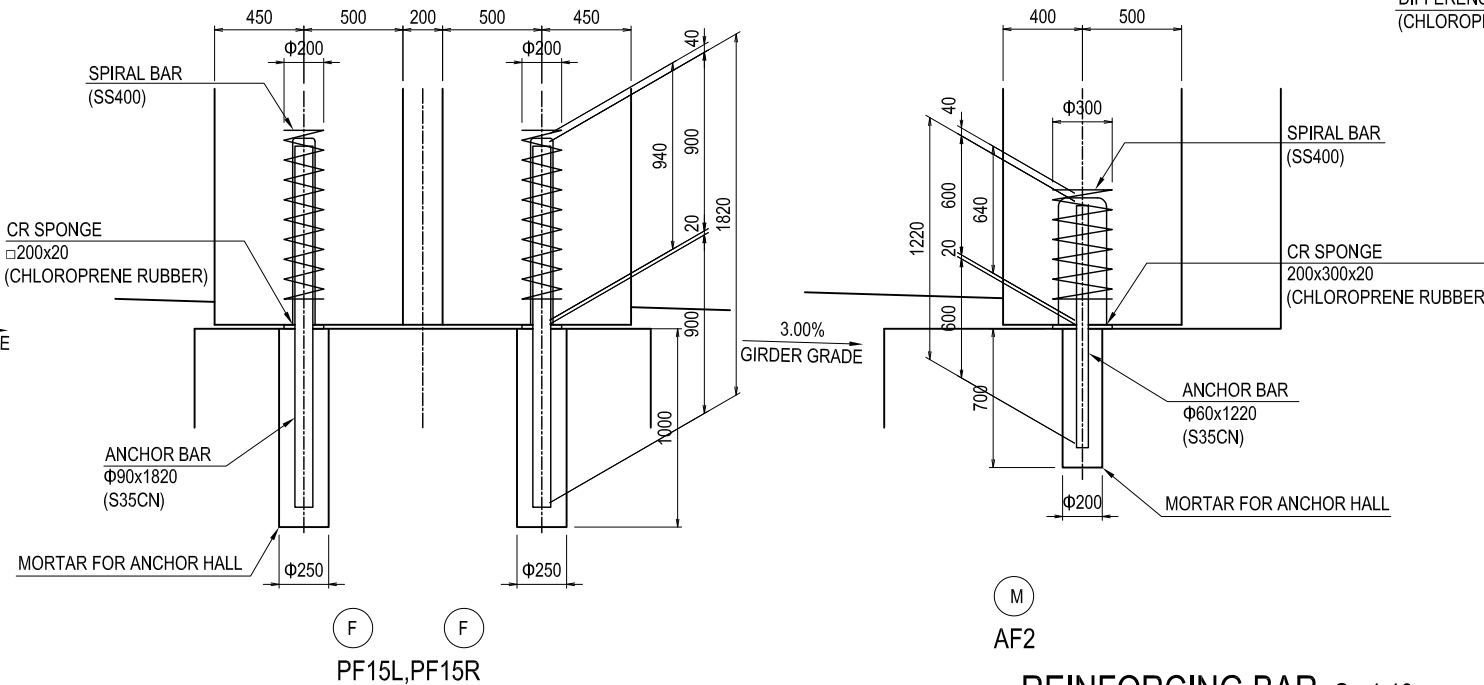
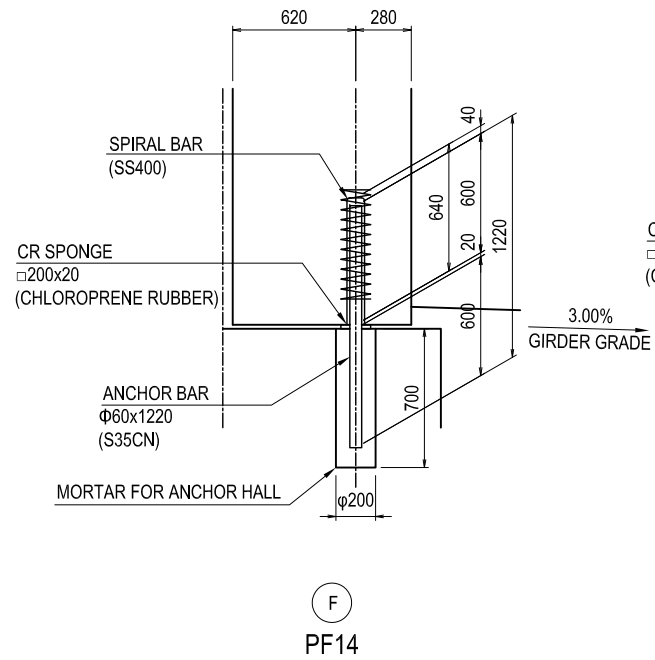
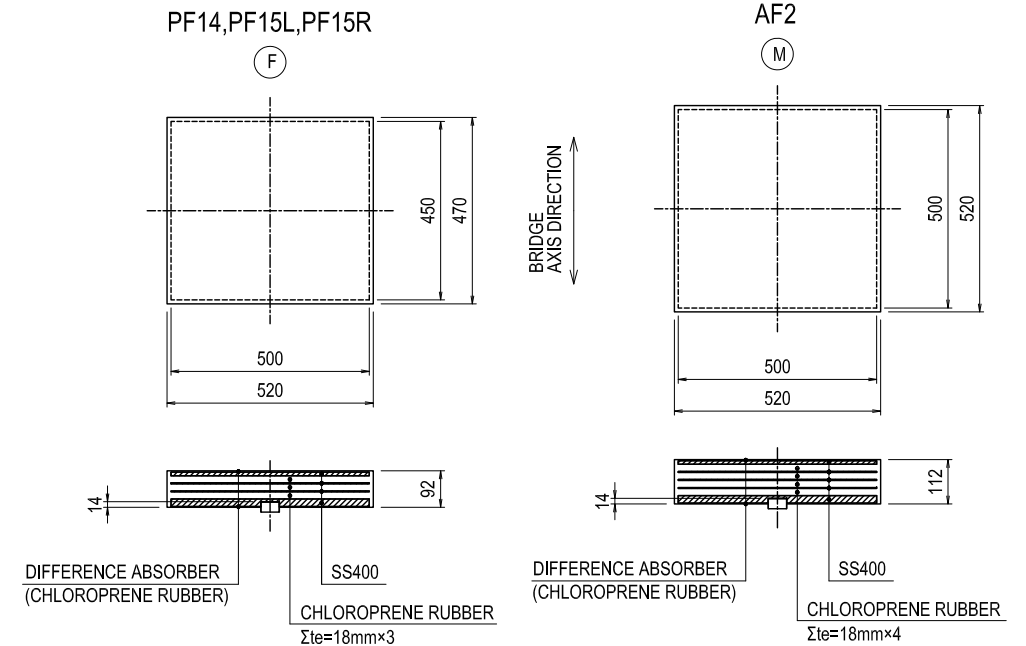
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
DETAIL OF RUBBER BEARING (PF14-AF2) (1)							3	DWG No.	P3-FO-1319

DETAIL OF RUBBER BEARING (PF14-AF2) (2)

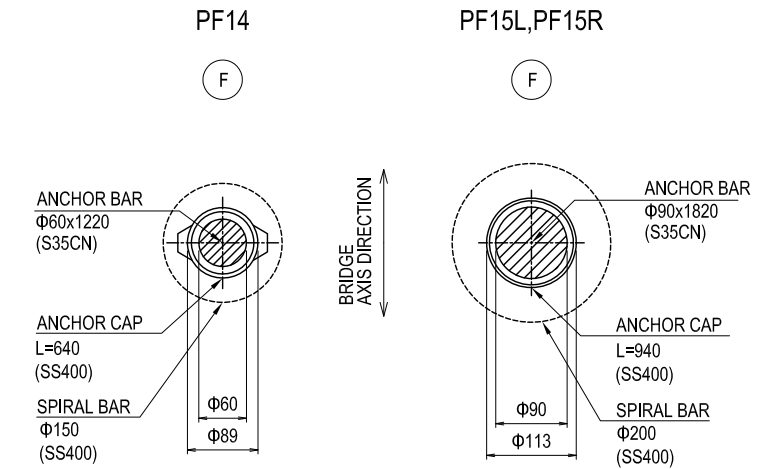
SIDE VIEW S= 1:20



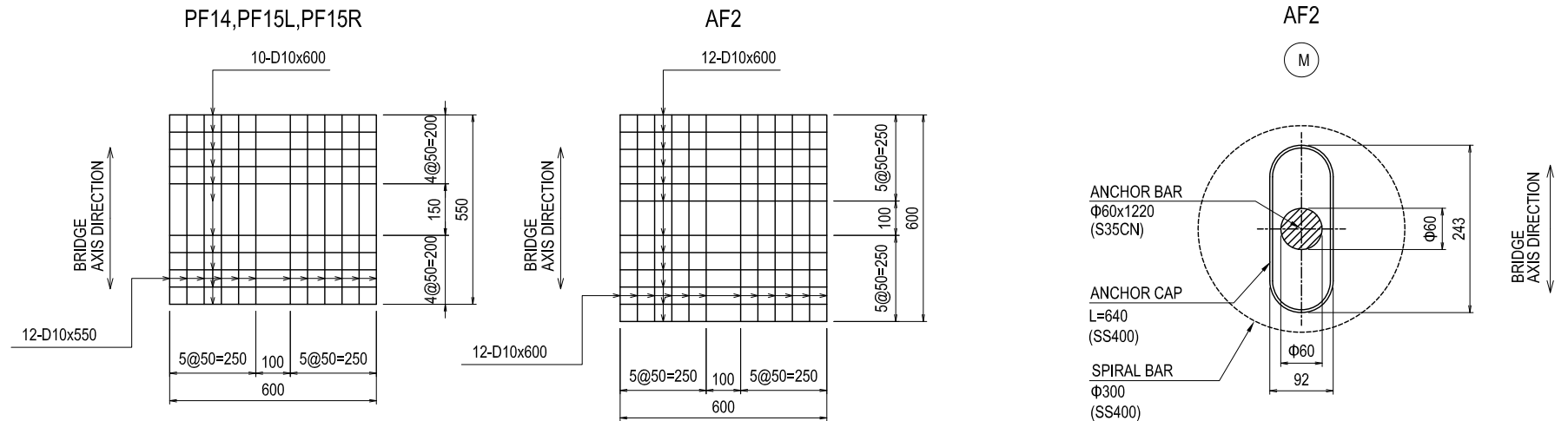
RUBBER BEARING S= 1:10



ANCHOR SYSTEM S= 1:5



REINFORCING BAR S= 1:10



PARTS LIST

ITEM	DIMENSION	MATERIAL	UNIT	QUANTITY				WEIGHT (kg)	REMARKS
				PF14(F)	PF15L(F)	PF15R(F)	AF2(M)		
RUBBER BEARING	520x470x92	AS SHOWN	SHEET	4	4	4	4	12	
"	520x520x112	"	"				4	4	
ANCHOR SYSTEM	Φ60x1220	S35CN	SET	6				6	
"	Φ90x1820	"	"		3	3		6	
"	Φ60x1220	"	"				6	6	
CR SPONGE	□200x20	CHLOROPRENE RUBBER	SHEET	6	3	3		12	
"	200x300x20	"	"				6	6	
REINFORCING BAR	D10x50x50	SD345	kg	28.22	28.22	28.22	32.26	116.92	
BED MORTAR FOR BEARING		NON SHRINKAGE MORTAR	m3	0.120	0.113	0.101	0.122	0.456	
MORTAR FOR ANCHOR HALLS		NON SHRINKAGE MORTAR	m3	0.122	0.130	0.130	0.122	0.504	

※An Anchor System includes anchor bar, anchor cap and spiral bar.

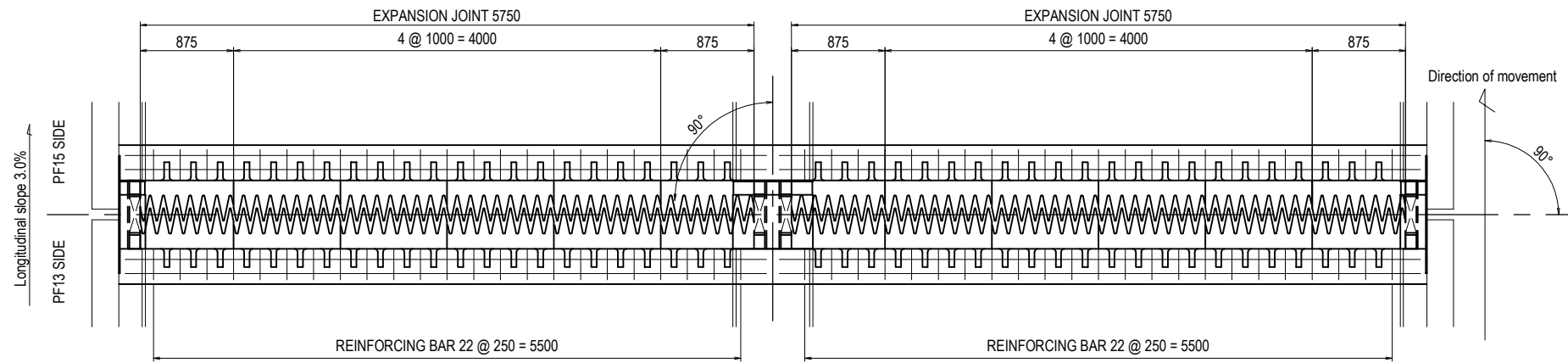
NOTES:

- 1) Details of the slab and girder are designed based on the product (rubber bearing) shown in this Drawing.
- 2) The Contractor has option to propose an alternative equivalent to the specified product, which shall be subjected to the Engineer's approval.
- 3) All the structural steels shall be galvanized to the requirements specified by JIS H8641.

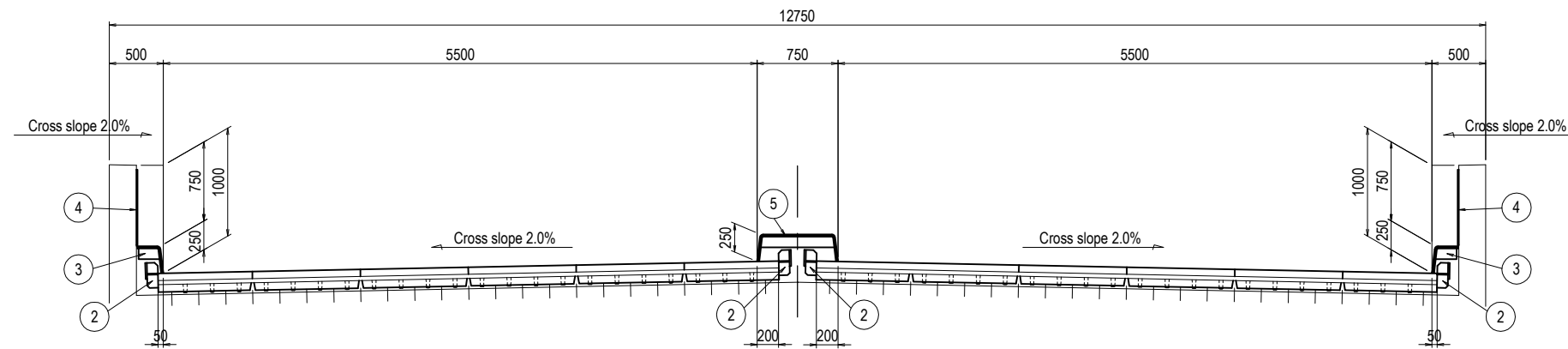
DETAIL OF EXPANSION JOINT (PF14-AF2) (1)

PF14

PLAN VIEW S=1:30



CROSS SECTION S=1:30



MATERIALS LIST					(1 per place)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	230mm
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	Foamed Styrene	m ³	0.57	300 × 150 × 12.7m
10	POST-CAST CONCRETE	High strength concrete	m ³	2.35	$\sigma_{ck} = 30\text{N/mm}^2$

EMBEDDED BAR

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

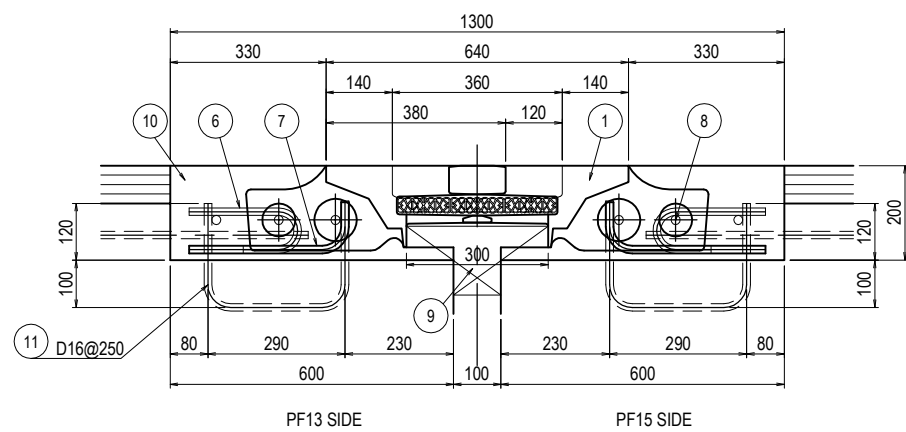
DESIGN CONDITION

Temperature range	0°C ~ +50°C
Amount of temperature variation	38mm
Earthquake movement amount	±81mm

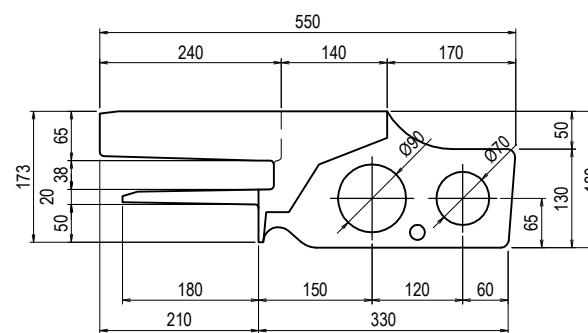
Note

- 1 Re-bar should be consider the developed length.
- 2 Allocation of the expansion joint is subject to change
- 3 Expansion joint should be placing to match the transverse gradient.
- 4 Expansion joint should be installed in consideration of the effect of Creep and Shrinkage.

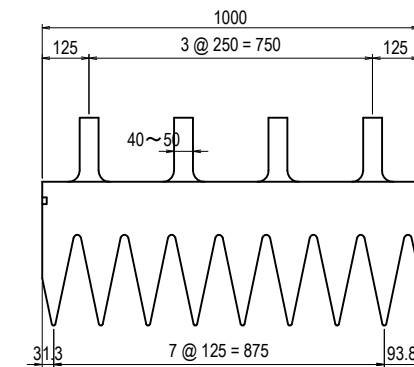
SECTION OF EXPANSION JOINT S=1:8



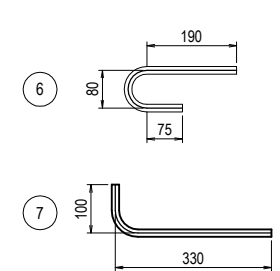
HARDWARE SECTION S=1:5



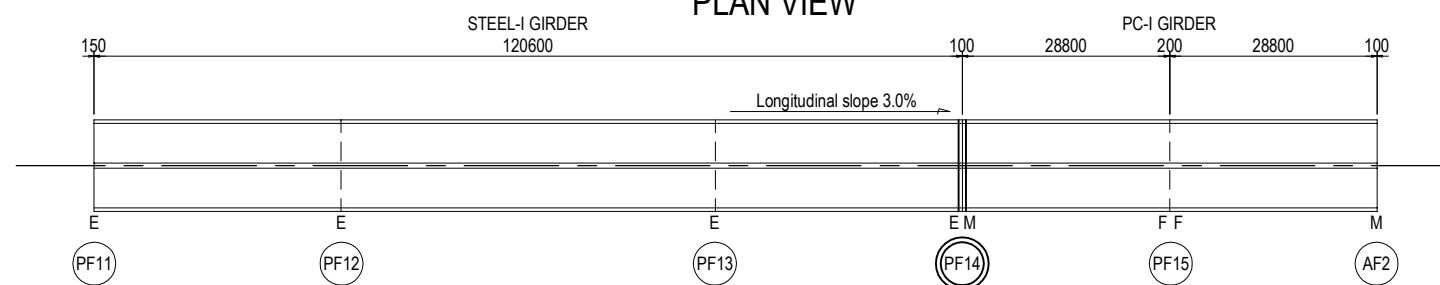
HARDWARE PLAN S=1:10



DETAIL OF REINFORCING BAR S=1:8



PLAN VIEW



NOTES:

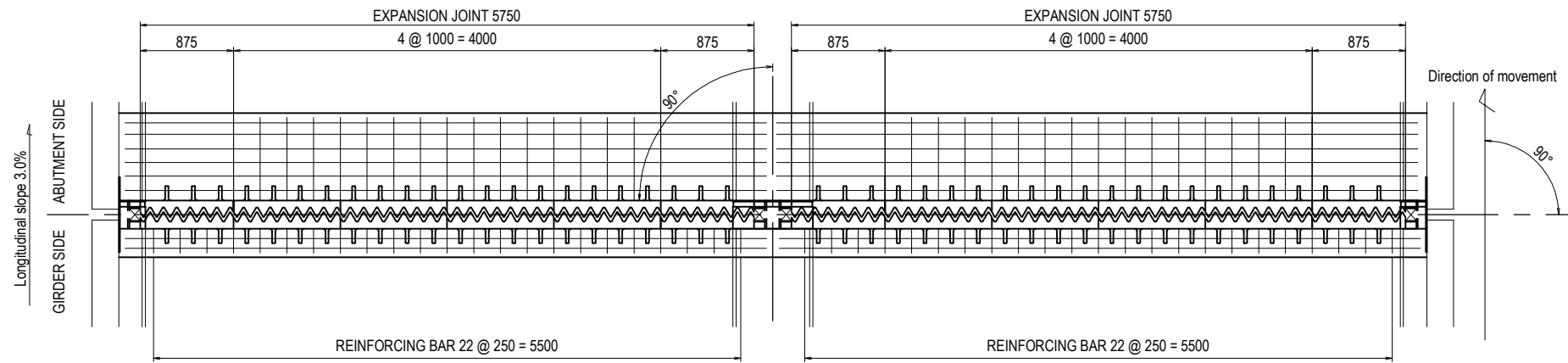
- 1) Details of the slab and girder are designed based on the product (expansion joint) shown in this Drawing.
- 2) The Contractor has option to propose an alternative equivalent to the specified product, which shall be subjected to the Engineer's approval.
- 3) The expansion joint shall be set in consideration of thermal expansion, creep and shrinkage of concrete girder.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY Y. SUZUKI CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DATE	DRAWING TITLE DETAIL OF EXPANSION JOINT (PF14-AF2) (1)	PACKAGE 3 DWG No. P3-FO-1321
---	--	---	--	--	---	------	---	---------------------------------------

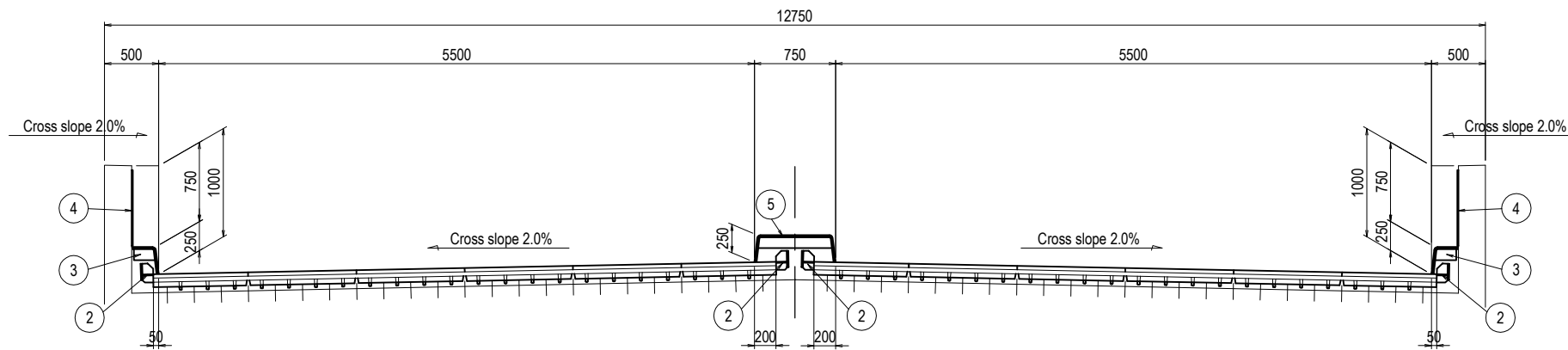
DETAIL OF EXPANSION JOINT (PF14-AF2) (2)

AF2

PLAN VIEW S=1:30



CROSS SECTION S=1:30



MATERIALS LIST					(1 per place)
No.	DESCRIPTION	MATERIALS	UNIT	QUANTITY	REMARK
1	EXPANSION JOINT	ALUMINUM ALLOY CASTING	m	11.500	80mm
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	Foamed Styrene	m ³	0.19	100 × 150 × 12.7m
12	POST-CAST CONCRETE	High strength concrete	m ³	2.50	σ _{ck} = 30N/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.

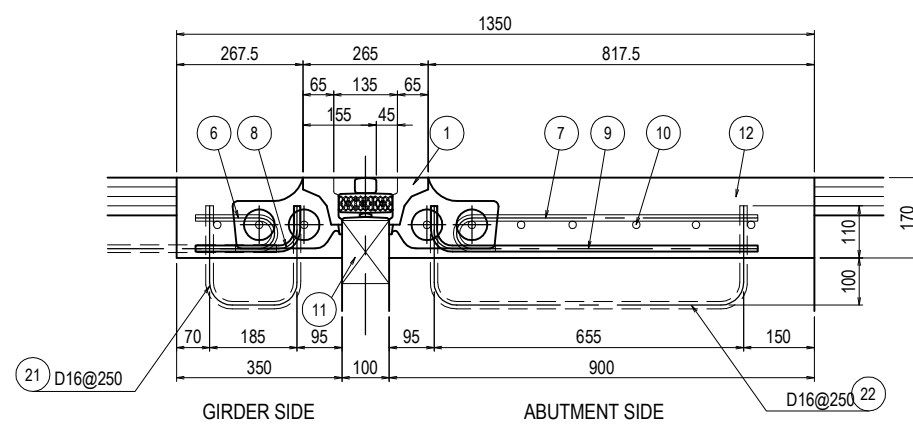
DESIGN CONDITION

Temperature range	+5°C ~ +45°C
Amount of temperature variation	12mm
Earthquake movement amount	±29mm

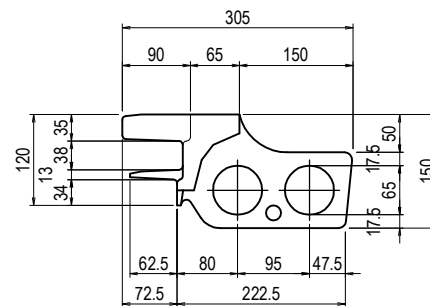
Note

- 1 Re-bar should be consider the developed length.
- 2 Allocation of the expansion joint is subject to change
- 3 Expansion joint should be placing to match the transverse gradient.
- 4 Expansion joint should be installed in consideration of the effect of Creep and Shrinkage.

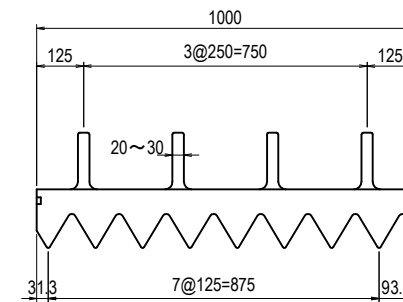
SECTION OF EXPANSION JOINT S=1:8



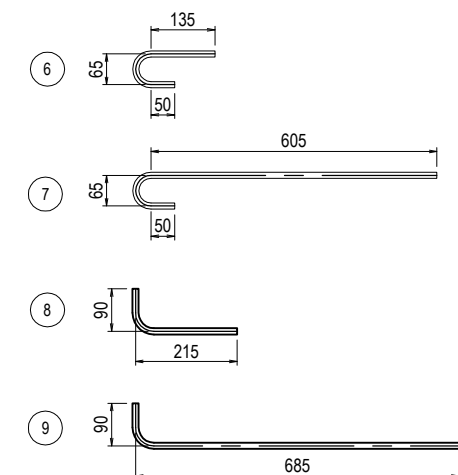
HARDWARE SECTION S=1:5



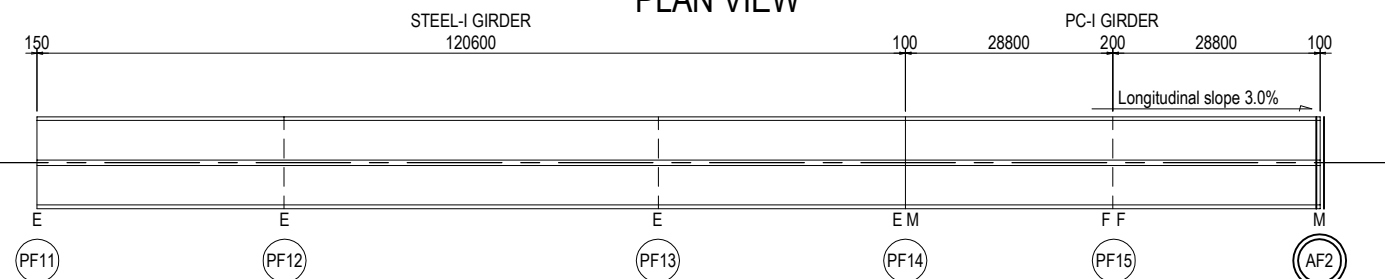
HARDWARE PLAN S=1:10



DETAIL OF REINFORCING BAR S=1:8



PLAN VIEW



NOTES:

- 1) Details of the slab and girder are designed based on the product (expansion joint) shown in this Drawing.
- 2) The Contractor has option to propose an alternative equivalent to the specified product, which shall be subjected to the Engineer's approval.
- 3) The expansion joint shall be set in consideration of thermal expansion, creep and shrinkage of concrete girder.

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

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

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	Y. SUZUKI	<i>YS</i>	14 Jul. 2017
CHECKED BY	T. HAYAKAWA	<i>平川知邦</i>	20 Jul. 2017
APPROVED BY	Y. SANO	<i>佐野 祐一</i>	25 Jul. 2017

DRAWING TITLE
DETAIL OF EXPANSION JOINT (PF14-AF2) (2)

PACKAGE
3
DWG No.
P3-FO-1322

QUANTITY TABLE OF SUPERSTRUCTURE (PC-I GIRDER) (REFERENCE DRAWING)

QUANTITY OF MAIN GIRDER

Specification		Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Main Girder								
Number of Main Girder		No.	4	4	8	4	20	Inner Girder
		No.	4	4	8	4	20	Outer Girder
Concrete Volume	$\sigma_{ck} = 40$ 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 Shearh	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	
Reinforcement 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 Shearh for Cross Beam ϕ 60 mm		m	67.2	67.3	162.4	67.2	364	Embedded Shearh in Main Girder

QUANTITY OF CROSS BEAM

Specification		Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Cross Beam								
Concrete Volume	$\sigma_{ck} = 30$ 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	ϕ 45 mm	m	203.8	204.1	492.3	203.8	1104	
Length of Grout	ϕ 45 mm	m	269.0	269.1	649.6	268.8	1457	
Anchorage for PC Strand	4S15.2	set	48	48	116	48	260	
Reinforcement 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	$\sigma_{ck} = 30$ 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

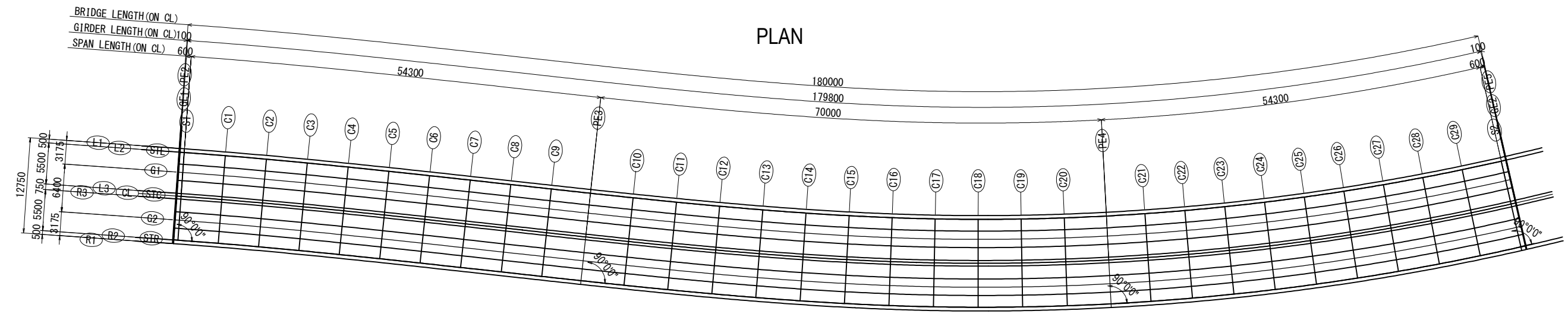
QUANTITY OF PC PLATE

Specification		Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks	
PC Plate									
Quantities for Each Size of PC Plate	1	998 x 2380 x 100	No.	150	150	312	156	768	Standard Plate
	2	736 x 2380 x 100	No.	6				6	
	3	749 x 2380 x 100	No.	6	6			12	
	4	750 x 2380 x 100	No.		6			6	
	5	737 x 2380 x 100	No.	6				6	Adjustment Plate
	6	750 x 2380 x 100	No.	6	6			12	
	7	751 x 2380 x 100	No.		6			6	
	8	973 x 2380 x 100	No.			6		6	
	9	999 x 2380 x 100	No.			9	9	18	
	10	899 x 2380 x 100	No.			6		6	
	11	949 x 2380 x 100	No.			3	3	6	
Concrete Volume	$\sigma_{ck} = 40$ 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 mm x 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		
		D10	kg	3080	3080	5948	2974	15082	
Reinforcement Bar	SD345	Total	kg	3080	3080	5948	2974	15082	

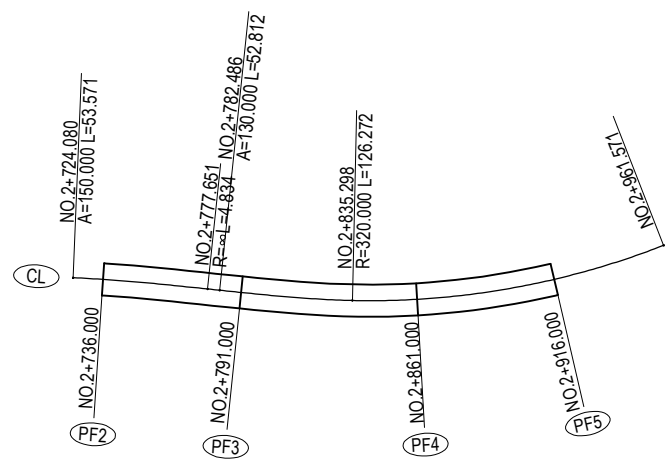
QUANTITY OF MAIN GIRDER

Specification		Unit	A1-P2	P5-P7	P7-P11	P14-A2	Total	Remarks
Connecting Part								
Concrete Volume	$\sigma_{ck} = 30$ N/mm ²	m ³	36.2	36.2	112.3	35.8	221	Connecting Part
Form Area	For Side, Edge and Bottom	m ²	51.7	51.7	158.4	51.3	313	Connecting Part
Reinforcement Bar	SD345	D22	kg	1727	1728	5397	1719	10571
		D19	kg	0	0	0	0	0
		D16	kg	4298	4303	14199	4281	27081
		D13	kg	197	197	600	197	1191
		Total	kg	6222	6228	20196	6197	38843

SUPERSTRUCTURE COORDINATES (PF2-PF5) (1)

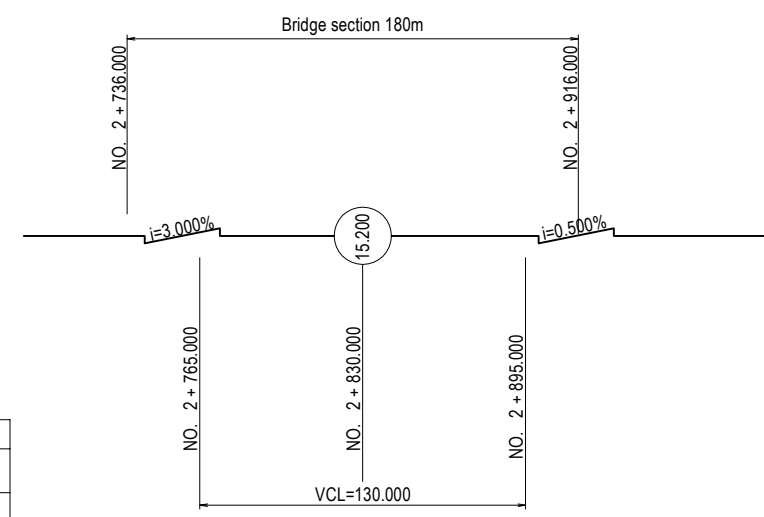


CURVE ELEMENTS

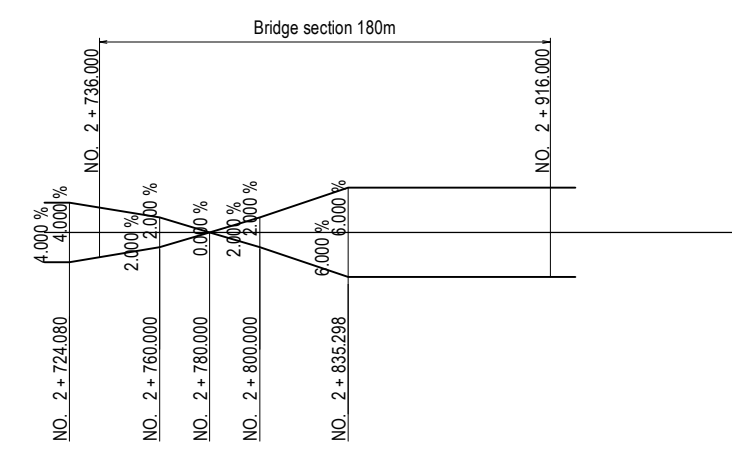


Station point	X coordinate	Y coordinate	Element
2+724.0800	1859491.8268	204313.8165	A= 150.000
2+777.6510	1859542.7491	204297.2096	R= ∞
2+782.4860	1859547.3761	204295.8087	A= 130.000
2+835.2980	1859597.4676	204279.1259	R= -320.000
2+916.15710	1859702.8295	204211.0247	

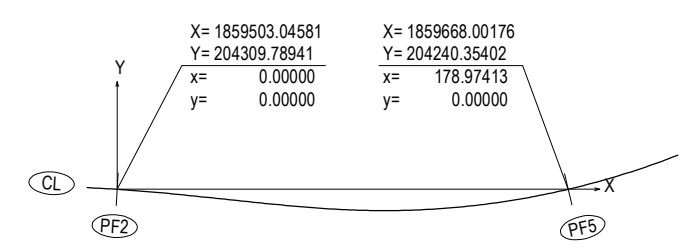
GRADE FOR LONGITUDINAL



SUPER ELEVATION

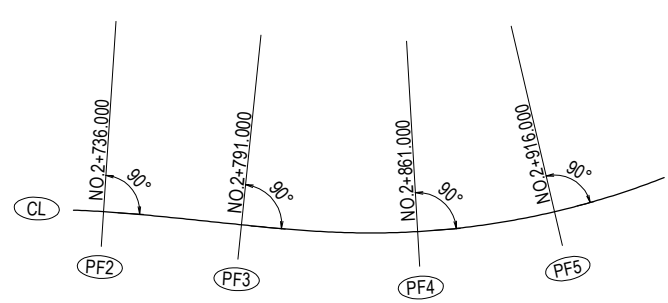


SMALL COORDINATES

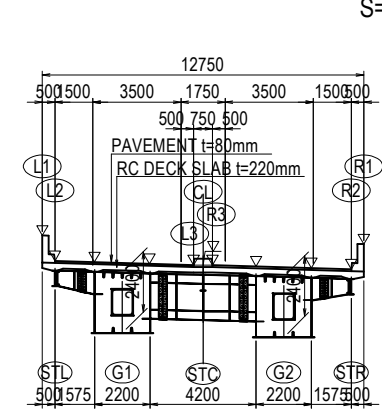


How to set the small coordinates
 X coordinate : Starting point is intersection of PF2 and CL
 Ending point is intersection of PF5 and CL
 Y coordinate : Perpendicular to X line

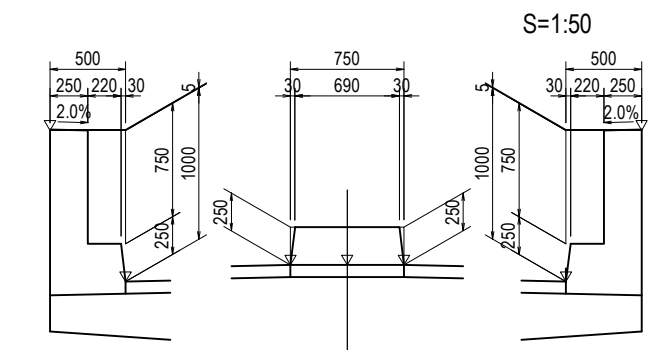
SETTING PIER ANGLE



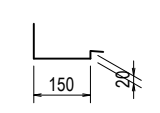
TYPICAL CROSSSECTION



CONCRETE CURB BARRIER AND MEDIAN

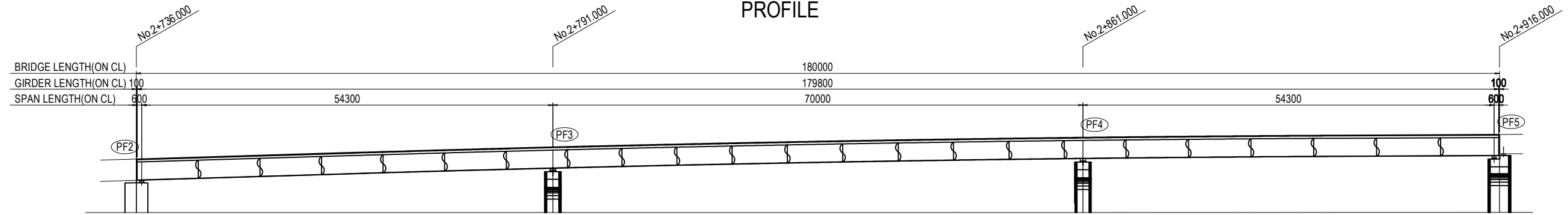


DRAINER PART DETAILS

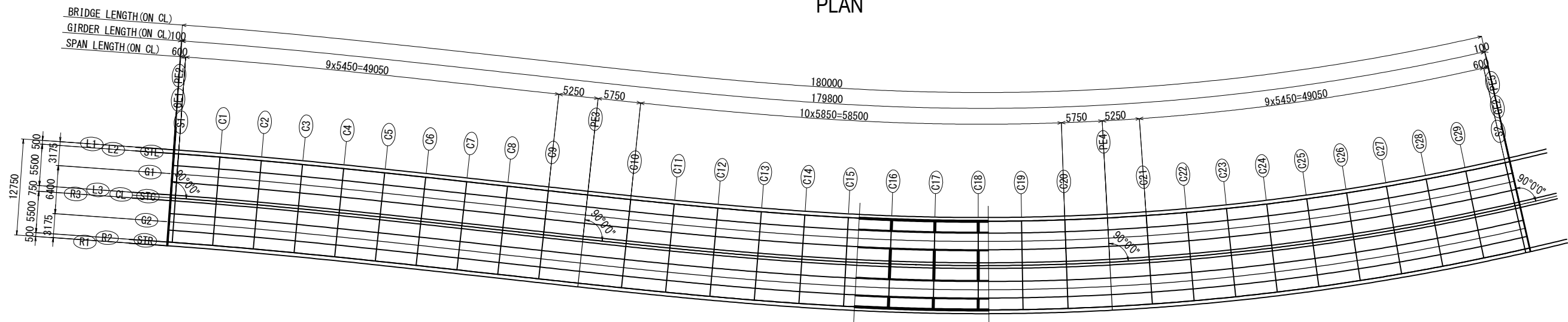


GENERAL VIEW OF SUPERSTRUCTURE (PF2-PF5) S=1:600

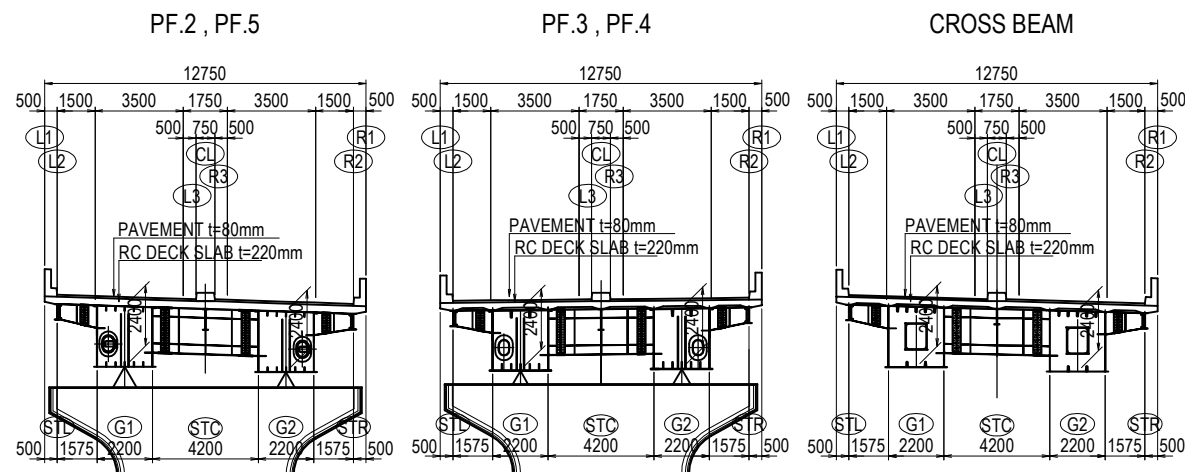
PROFILE



PLAN



TYPICAL CROSS SECTION S=1:300



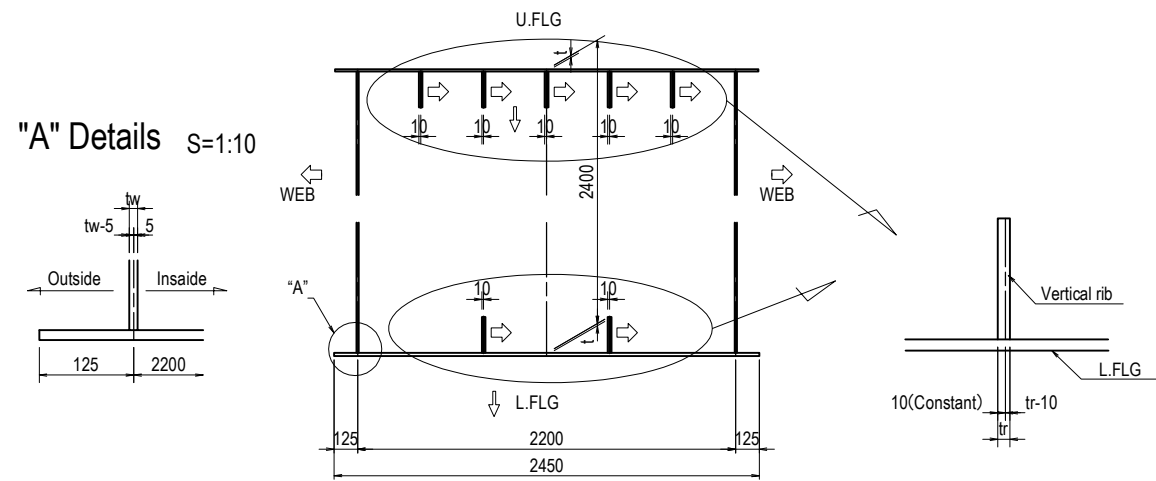
DESIGN CONDITION

ROAD GRADE	Equivalent to class4-1
BRIDGE TYPE	3 span continuous steel box girder
BRIDGE LENGTH	L = 180.000 m
SPAN LENGTH	L = 54.300 + 70.000 + 54.300 m
WIDTH OF THE ROAD	TOTAL : 12.750 m L = 0.500 + 5.500 + 0.750 + 5.500 + 0.500 m
PLANE CONFIGURATION	A=150.0 ~ R=∞ ~ A=130.0 ~ R=320.0
LONGITUDINAL SLOPE	↘ 3.000% (VCL=130) ↗ 0.500% (VCL=60)
SECTIN SLOPE	4.000% ↘ 2.000% ↗ 6.000%
ANGLE OF SKEW	90°0'0"
PAVEMENT	ASPHALT PAVEMENT t = 80 mm
SLAB	REINFORCED CONCRETE t = 220 mm
LIVE ROAD	AASHTO HL-93
DESIGN STANDARD	AASHTO LRFD BRIDGE DESIGN 2014(LIVE ROAD) Specifications for highway bridges(Japan Road Association) I Common matters, II Steel bridges, V Seismic design(April 2012)

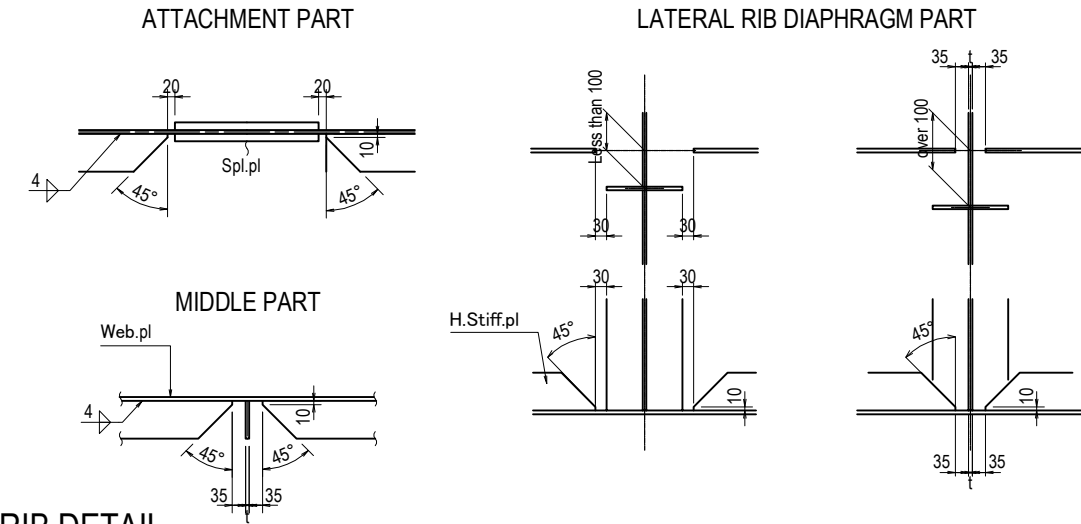
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI T. HAYAKAWA Y. SANO	SIGNATURE <i>YS</i> <i>平川 知平</i> <i>佐野 祐一</i>	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE GENERAL VIEW OF SUPERSTRUCTURE (PF2-PF5)	PACKAGE 3 DWG No. P3-FO-1403
---	--	---	--	---	--	--	---	---------------------------------------

COMMON DETAIL (PF2-PF5) (1) S=1:20

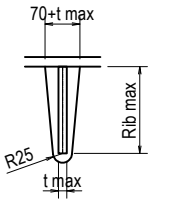
PLATE THICKNESS CHANGE DETAIL S=1:40



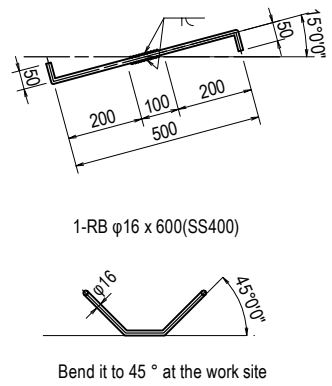
HORIZONTAL STIFFENER DETAIL



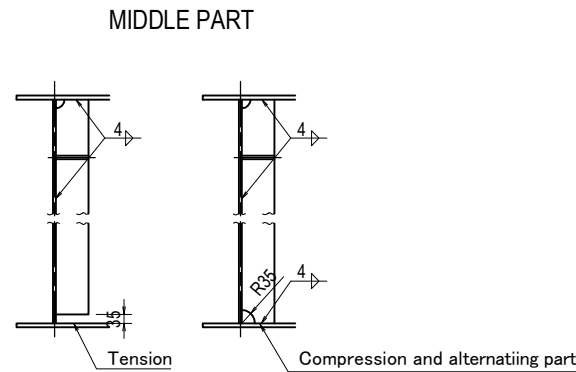
SCALLOP DETAIL



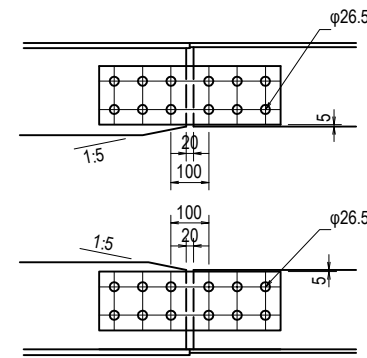
SLAB ANCHOR DETAIL



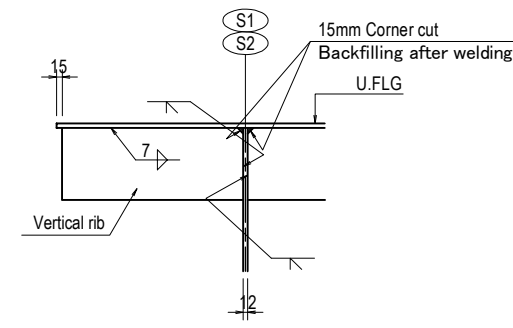
STIFFENER WELDING DETAILS



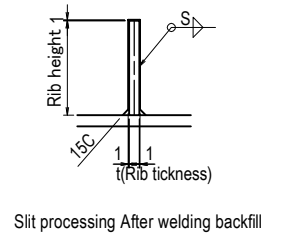
VERTICAL RIB DETAIL



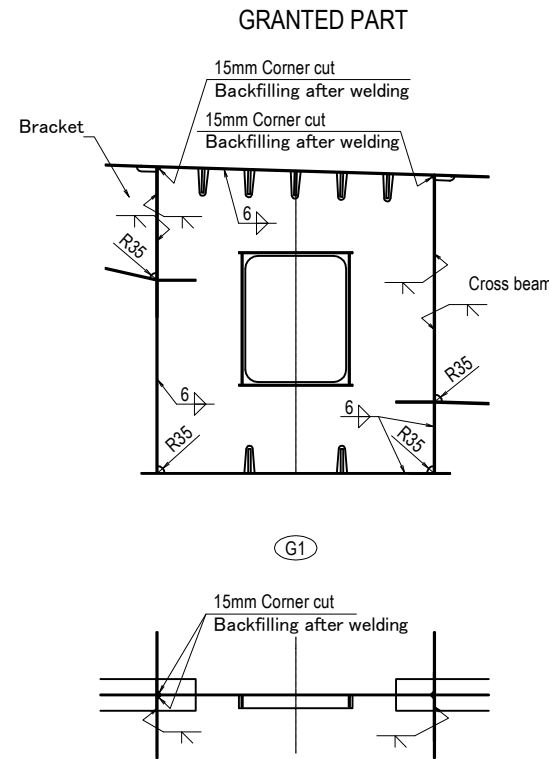
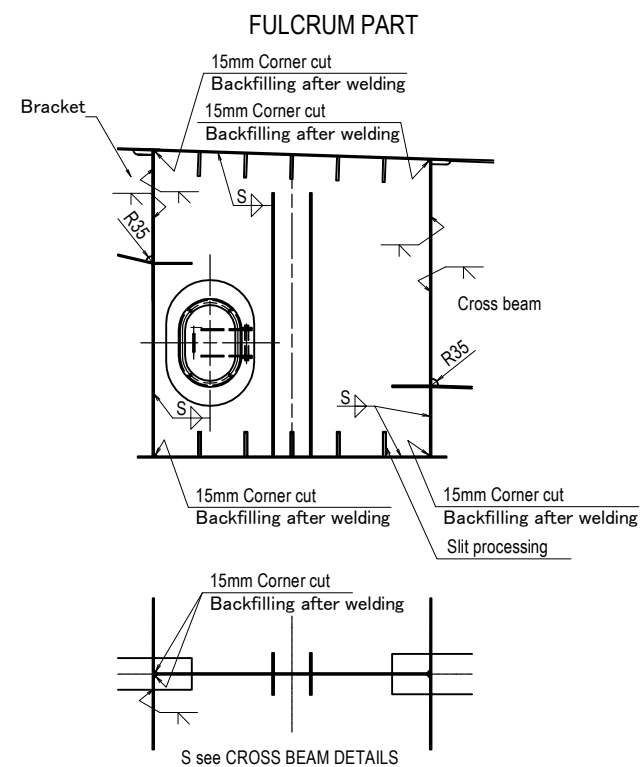
CROSS SECTION PART



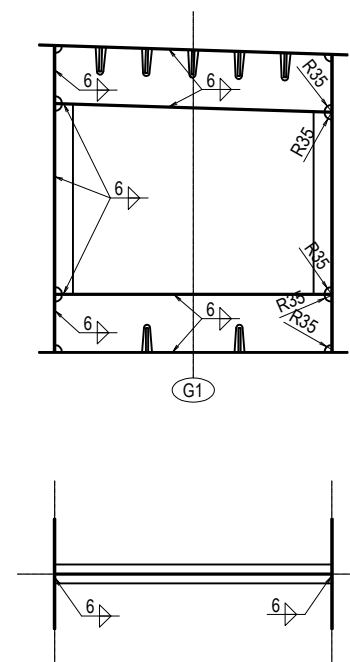
VERTICAL RIB SLIT DETAIL



WEB AND DIAPHRAGM MOUNTING DETAIL S=1:60



CROSS RIB

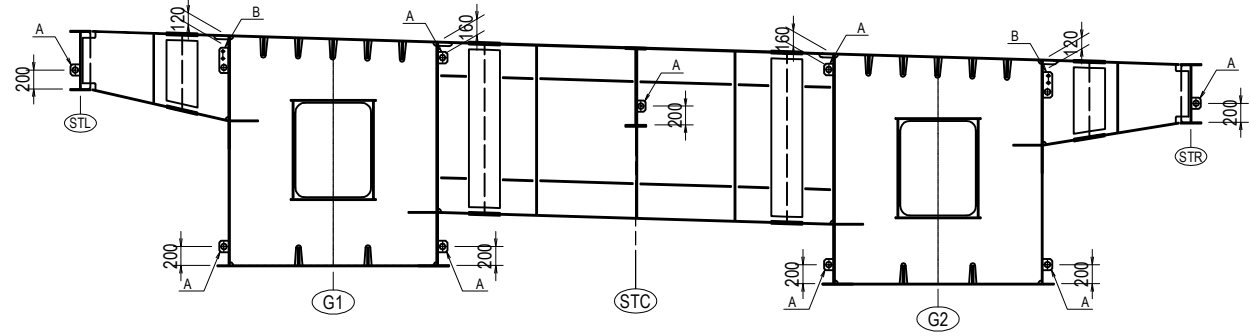


- Note
- All material without the reports is made SM400A
 - + : High-tension bolt M22 (S10T)
 - All scar laps without the reports are made R35

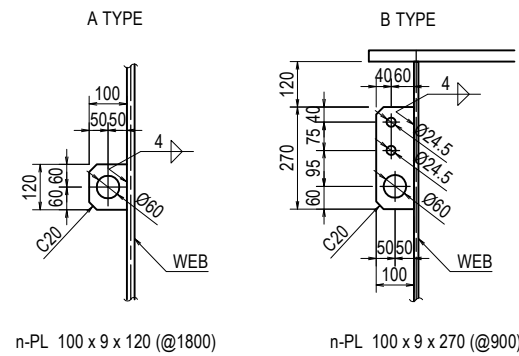
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE COMMON DETAIL (PF2-PF5) (1)	PACKAGE 3	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
							DWG No.	P3-FO-1406	

COMMON DETAIL (PF2-PF5) (2) S=1:20

HANGING BRACKET INSTALLATION POSITION FOR SCAFFOLD S=1:80

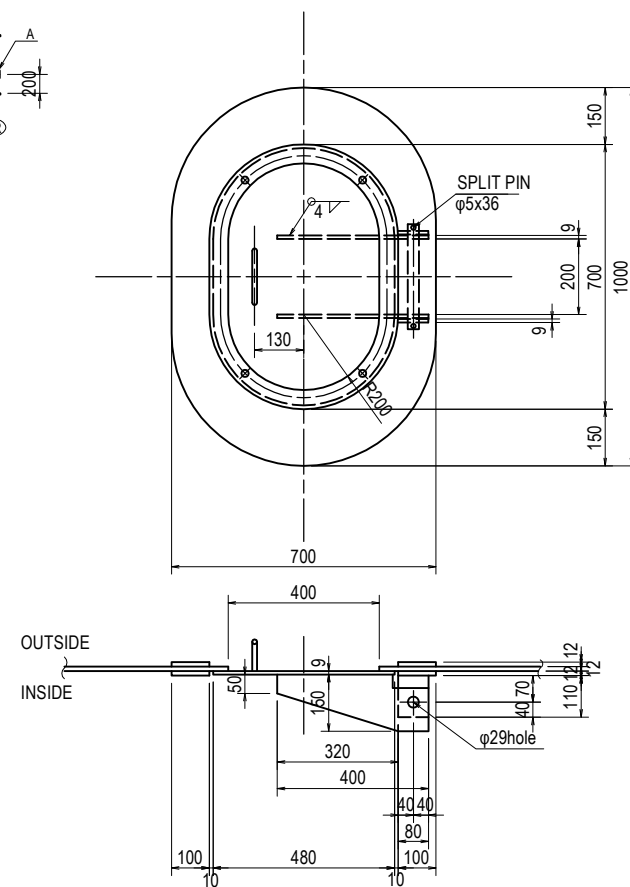


HANGING BRACKET DETAIL



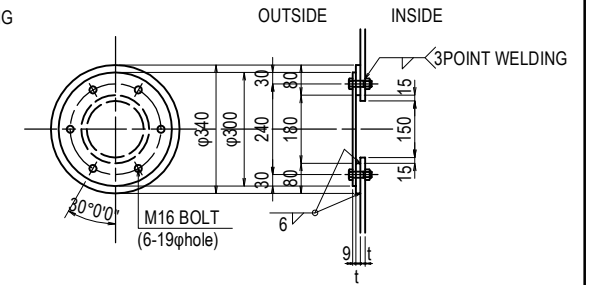
Mounting position	n	
	A TYPE	B TYPE
STL	100	-
G1	300	400
STC	100	-
G2	300	400
STR	100	-

S1,S2 DIAPHRAGM MANHOLE DETAIL (M.H)



- (4 PLACES)
 2-PL 700 x 12 x 1000(SM400A)(NET=43%)
 1-PL 480 x 9 x 680(SM400A)(NET=83%)
 2-PL 150 x 9 x 400(SM400A)
 2-PL 80 x 9 x 110(SM400A)
 1-RB φ13 x 310(SS400)
 4-BN M16 x 40(SUS304)
 1-Pipe 20A x 280(SUS304)
 2-SPLIT PIN φ5 x 36(SUS304)

HAND HOLE DETAIL

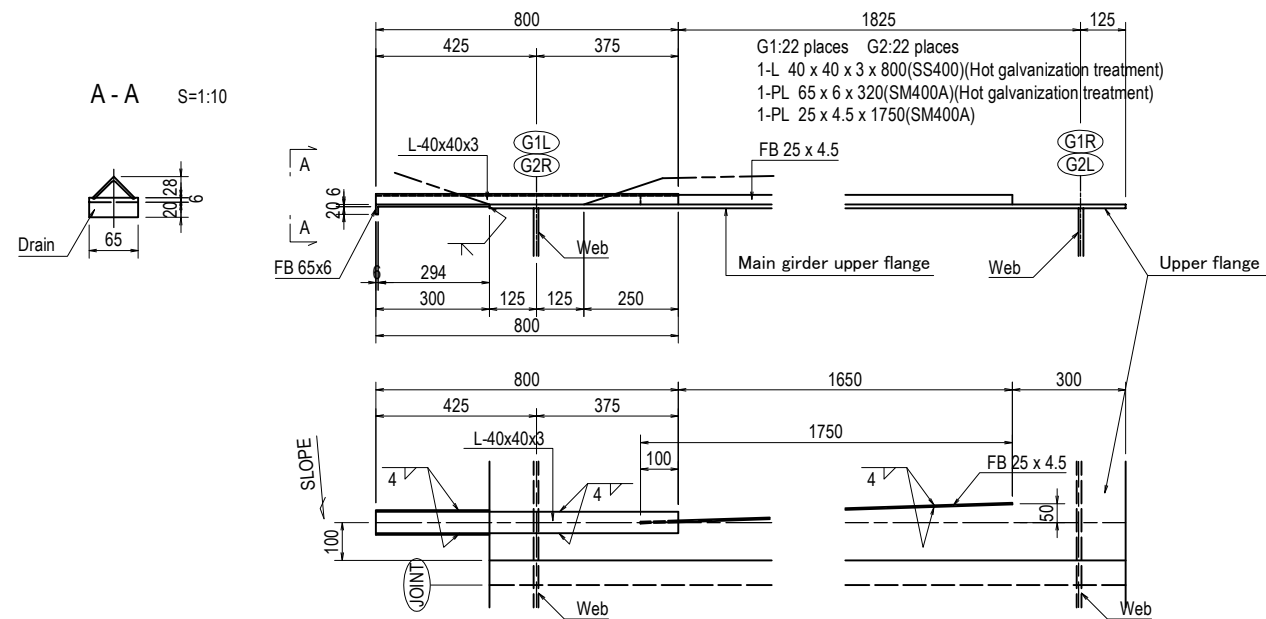


- 1-PL φ300 x 9 (SS400)
 1-PL φ340 x t (The Same thickness as the base metal same material)
 6-BN M16 x L (SS400)-Plating>

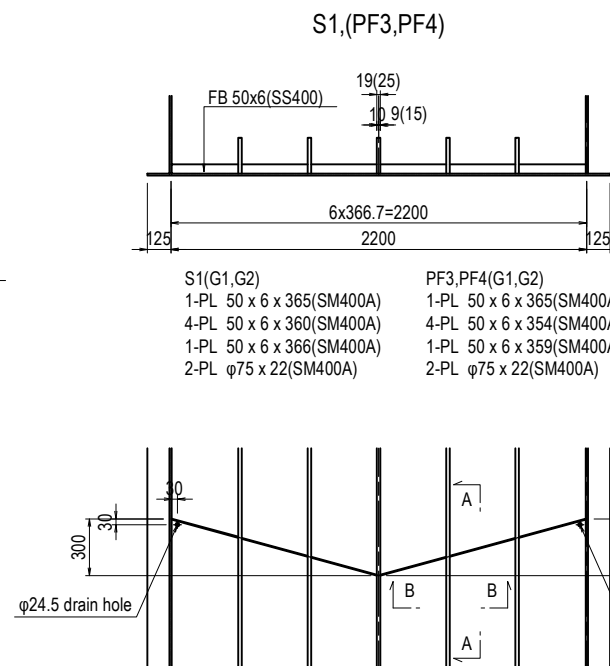
G1			
Mounting position	t	L	Material
J1	10	50	SM490YA
J2-J4,J20-J22	14	60	
J5,J10,J14,J19	11	50	
J6,J20	18	65	
J7,J8	32	95	SM490YB
J9	16	60	
J11-J13	13	55	SM490YA
J15	17	65	
J16	34	100	
J17	36	100	
J18	20	70	SM490YB

G2			
Mounting position	t	L	Material
J1	10	50	SM490YA
J2-J4,J11-J13	14	60	
J5,J10,J19	11	50	
J6	20	70	
J7,J16	36	100	SM490YB
J8	34	100	
J9	17	65	SM490YA
J14	12	55	
J15	18	65	
J17	39	110	
J18	22	75	SM490YB
J20-J22	15	60	

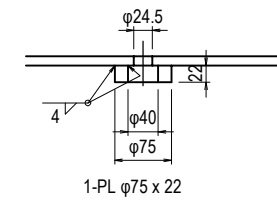
SLAB DRAINAGE DUCT (FOR STEEL BOX GIRDER)



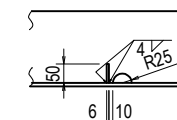
DRAIN DETAIL S=1:40



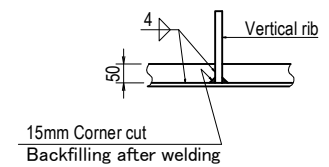
DRAIN HOLE DETAIL S=1:10



A - A S=1:20



B - B S=1:20

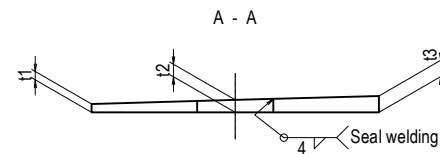
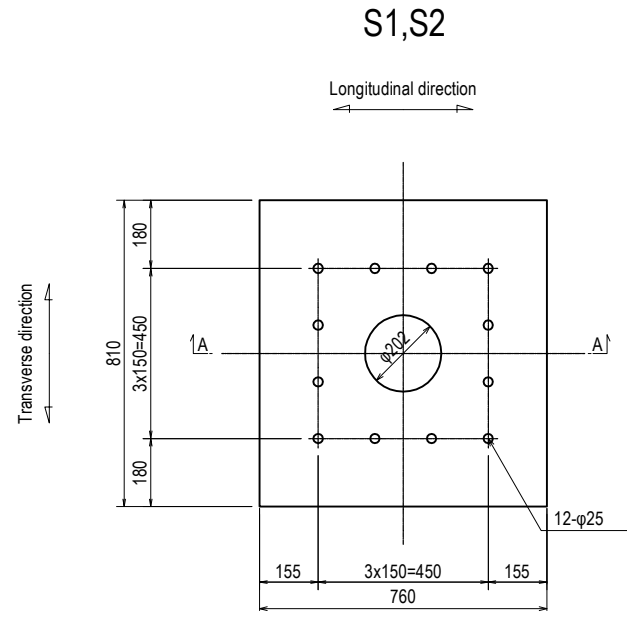


- Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY Y. SUZUKI CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE <i>YS</i> <i>平川知邦</i> <i>佐藤 祐一</i>	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE COMMON DETAIL (PF2-PF5) (2)	PACKAGE 3 DWG No. P3-FO-1407
---	--	---	--	---	---	--	--	---------------------------------------

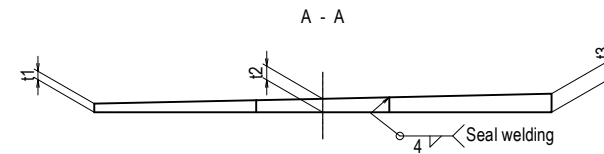
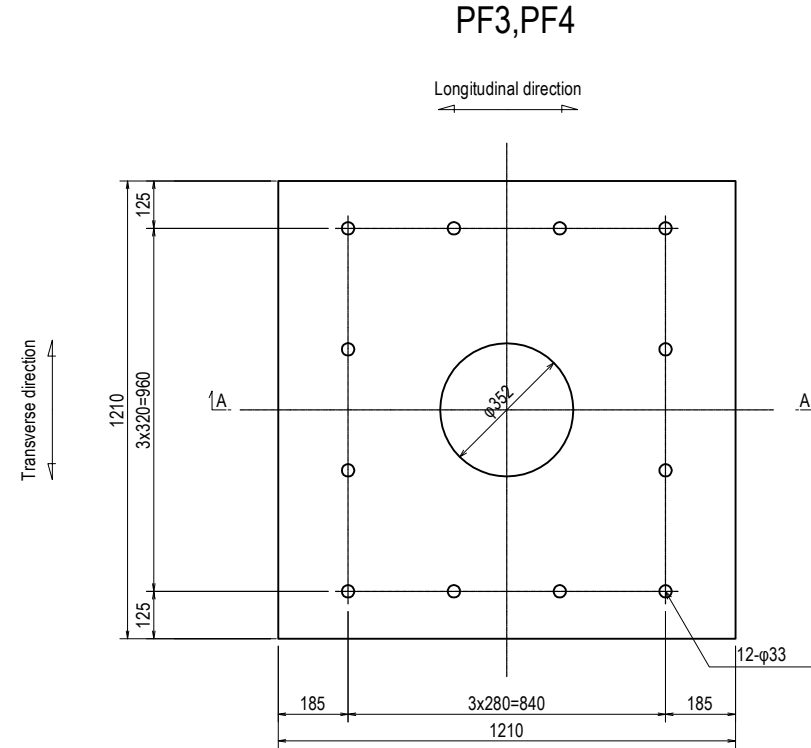
COMMON DETAIL (PF2-PF5) (3) S=1:20

SOLE PLATE DETAIL



1-Sole PL 810 x T x 760 (Material)

	t1	t2	t3	T	Material
G1-S1	22.4	33	43.6	46	SM490C
G1-S2	22.1	24	25.9	28	SM490B
G2-S1	22.9	35	47.1	50	SM490C
G2-S2	22.1	24	25.9	28	SM490B



1-Sole PL 1210 x T x 1210 (Material)

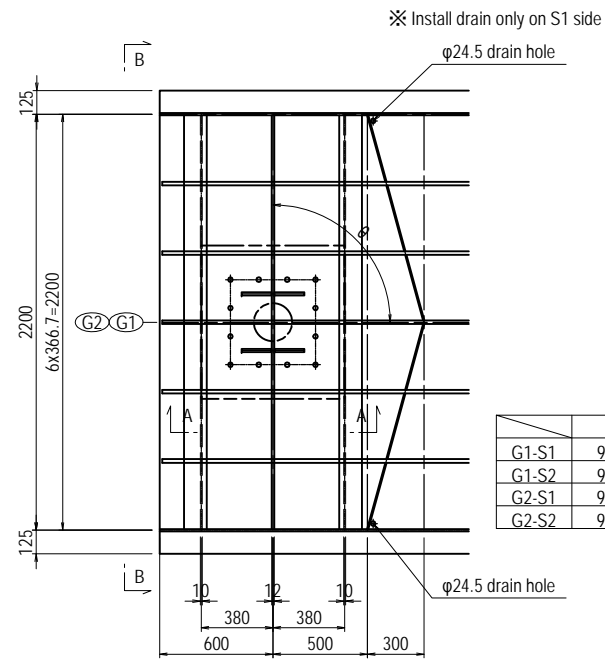
	t1	t2	t3	T	Material
G1-PF3	22.7	36	49.2	52	SM490C
G1-PF4	22.9	30	37.1	40	SM490B
G2-PF3	22.9	40	57	59	SM490C
G2-PF4	22	29	35.9	38	SM490B

- Note
1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE COMMON DETAIL (PF2-PF5) (3)	PACKAGE	
				PREPARED BY	Y. SUZUKI			14 Jul. 2017	3
				CHECKED BY	T. HAYAKAWA			20 Jul. 2017	DWG No.
				APPROVED BY	Y. SANO			25 Jul. 2017	P3-FO-1408

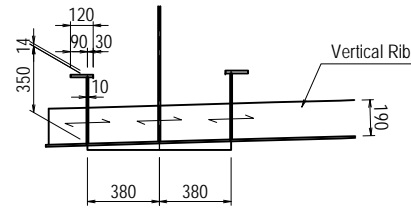
COMMON DETAIL (PF2-PF5) (4) S=1:40

S1,S2
G1,G2

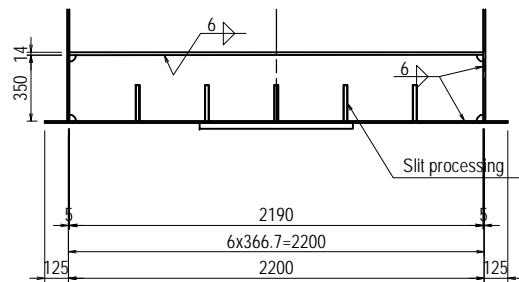


2-PL 120 x 14 x 2190
2-PL 350 x 10 x 2190

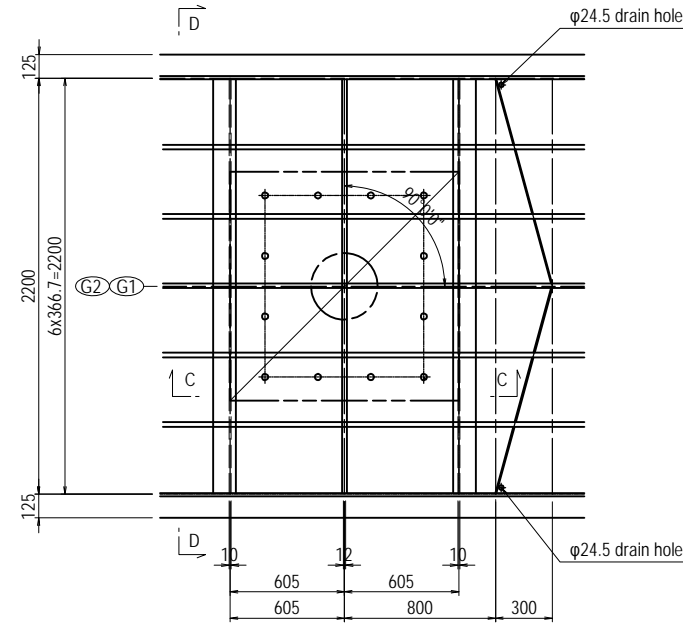
A - A



B - B

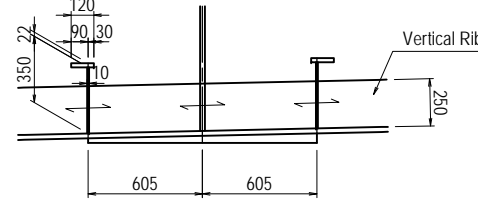


PF3,PF4
G1,G2

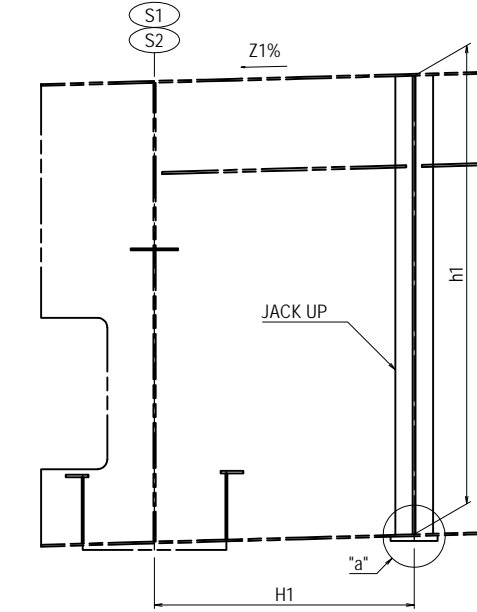
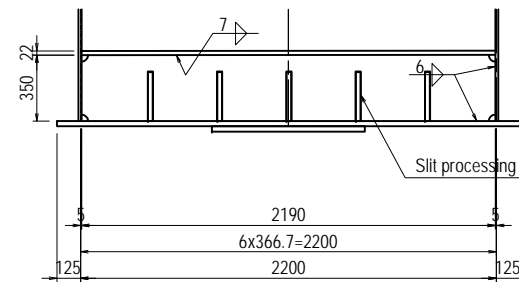


2-PL 120 x 22 x 2190
2-PL 350 x 10 x 2190

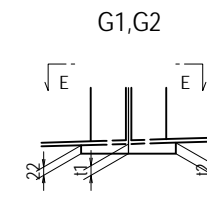
C - C



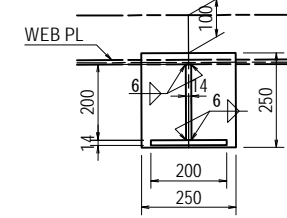
D - D



"a" DETAIL S=1:20



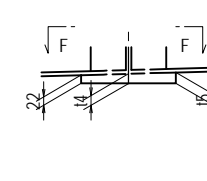
E - E



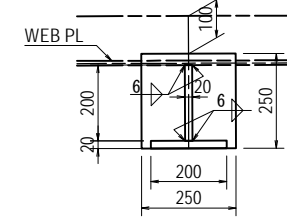
<S1,S2> - Per point part
2-JACK PL 200 x 14 x h2 (SM490YA)
2-JACK PL 200 x 14 x h3 (SM490YA)
1-BASE PL 250 x t3 x 250 (SM400A)
1-BASE PL 250 x t3 x 250 (SM400A)

	H1	h1	h2	h3	t1	t2	t3	Z1
S1	G1L	1374	2425	2431	—	25.5	29	30
	G1R	1368	2355	—	2361	25.5	29	30
	G2L	1357	2425	2431	—	26	30	31
S2	G2R	1351	2355	—	2361	26	30	31
	G1L	1342	2324	2326	—	22.6	23.3	24
	G1R	1352	2456	—	2458	22.6	23.3	24
S2	G2L	1373	2323	2325	—	22.6	23.2	24
	G2R	1383	2455	—	2457	22.6	23.2	24

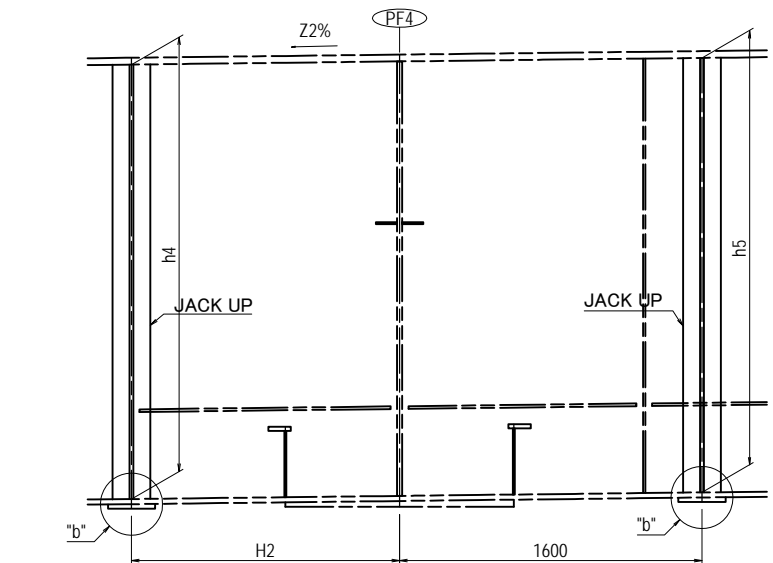
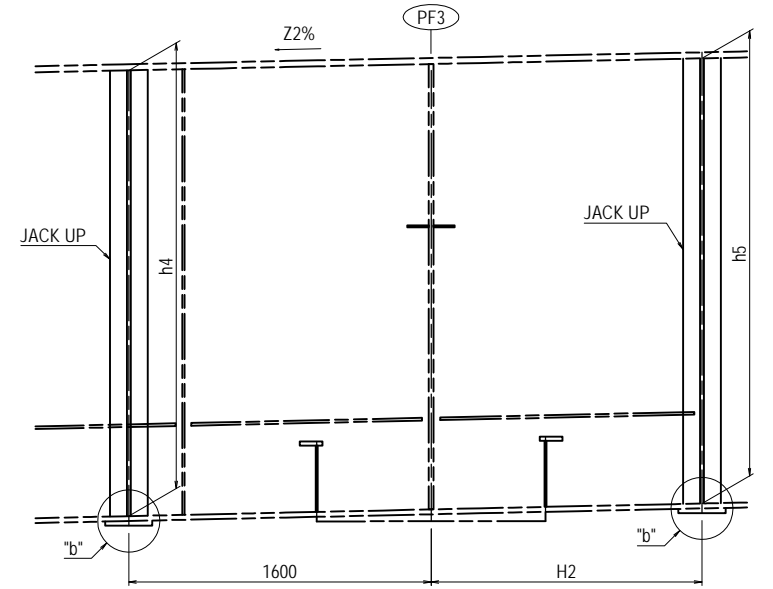
"b" DETAIL S=1:20
G1,G2



F - F



JACK UP DETAIL
G1,G2



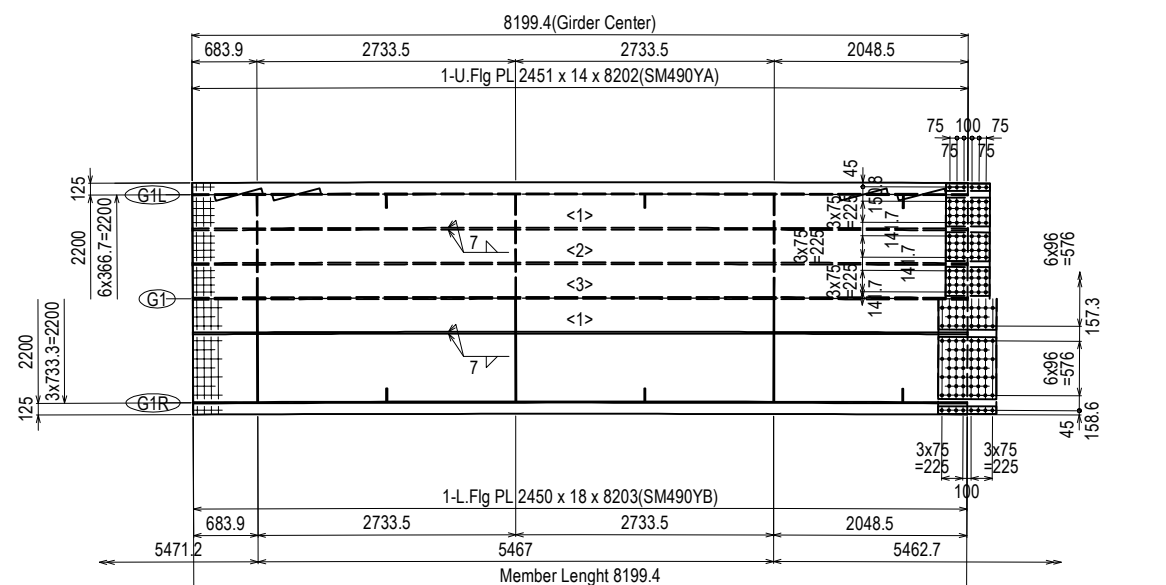
<PF3,PF4> - Per point part
2-JACK PL 200 x 20 x h6 (SM490YB) 4-BASE PL 250 x t6 x 250 (SM400A)
2-JACK PL 200 x 20 x h7 (SM490YB)
2-JACK PL 200 x 20 x h8 (SM490YB)
2-JACK PL 200 x 20 x h9 (SM490YB)

	H2	h4	h5	h6	h7	h8	h9	t4	t5	t6	Z2	
PF3	G1L	1433	2358	2354	2362	2358	—	—	24.8	27.6	29	0.02
	G1R	1436	2378	2382	—	—	2384	2388	24.8	27.6	—	—
	G2L	1440	2354	2350	2360	2356	—	—	25.6	29.1	30	0.03
PF4	G2R	1442	2374	2378	—	—	2380	2384	25.6	29.1	—	—
	G1L	1418	2298	2298	2300	2300	—	—	23.5	25	26	0.01
	G1R	1428	2430	2430	—	—	2432	2432	23.5	25	—	—
PF4	G2L	1447	2295	2295	2297	2297	—	—	23.5	24.9	26	—
	G2R	1457	2427	2427	—	—	2429	2429	23.5	24.9	—	—

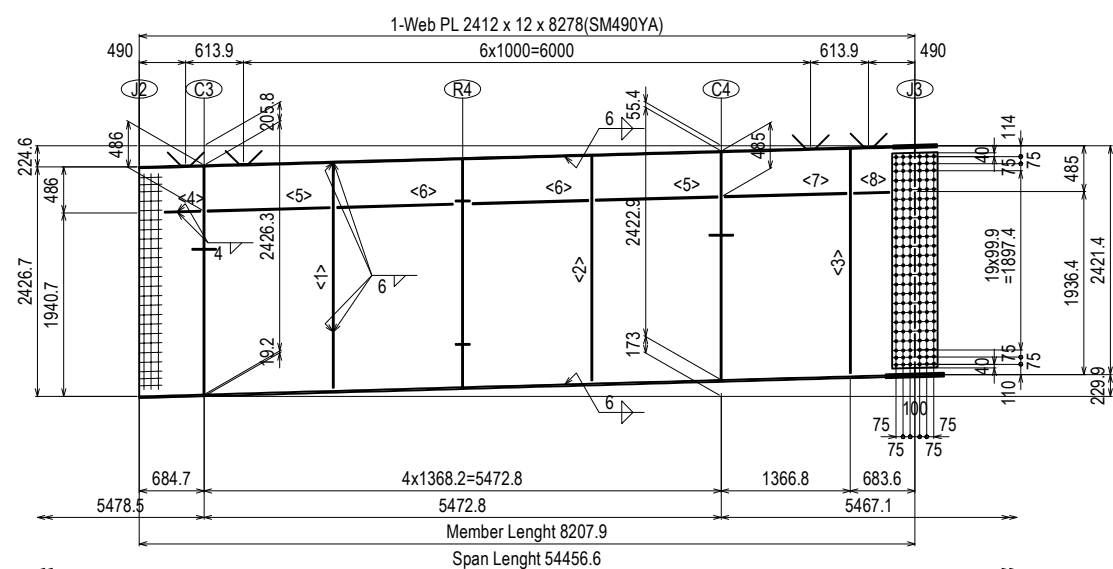
Note
1. All material without the reports is made SM400A
2. + : High-tension bolt M22 (S10T)
3. All scar laps without the reports are made R35

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (3)

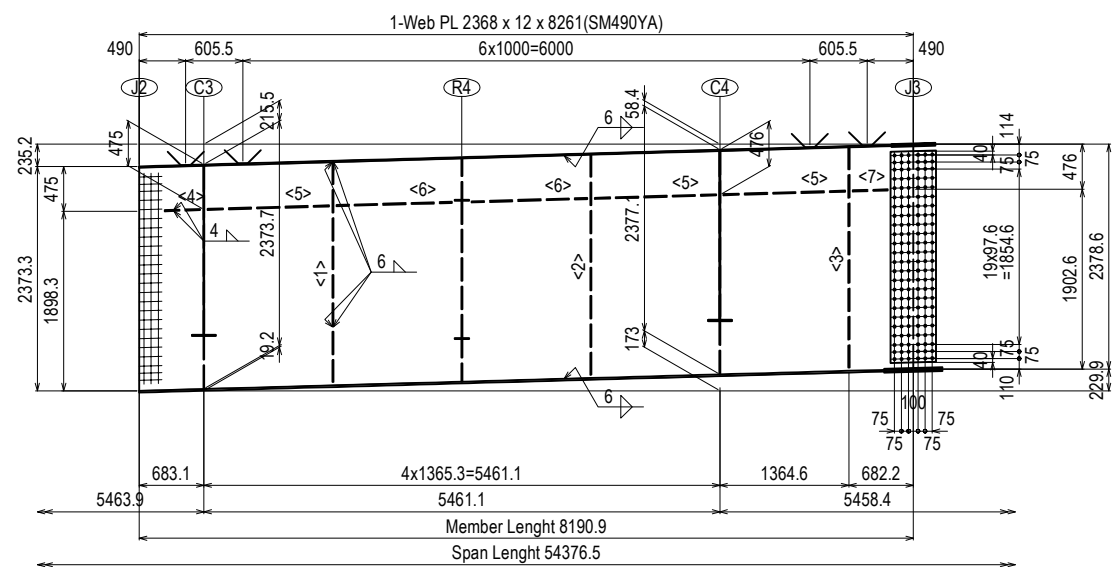
S=1:80



- <Upper Flg>
 18-RB φ16 x 600(SS400)
 <1>1-Rib PL 190 x 19 x 8193(SM490YB)
 <2>1-Rib PL 190 x 19 x 8191(SM490YB)
 <3>1-Rib PL 190 x 19 x 8188(SM490YB)
 1-Rib PL 190 x 19 x 8185(SM490YB)
 1-Rib PL 190 x 19 x 8182(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 6-Spl PL 305 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 6-TCB M22 x 70(S10T)
 144-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)
- <Lower Flg>
 1-Rib PL 190 x 19 x 8191(SM490YB)
 <1>1-Rib PL 190 x 19 x 8185(SM490YB)
 1-Spl PL 80 x 12 x 630(SM490YA)
 3-Spl PL 656 x 12 x 630(SM490YA)
 1-Spl PL 80 x 12 x 630(SM490YA)
 1-Spl PL 2440 x 10 x 630(SM490YA)
 8-TCB M22 x 75(S10T)
 150-TCB M22 x 75(S10T)
 8-TCB M22 x 75(S10T)

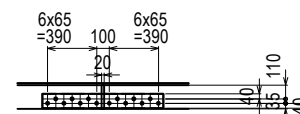


- <1>1-V.Stiff PL 140 x 12 x 2376
 <2>1-V.Stiff PL 140 x 12 x 2375
 <3>1-V.Stiff PL 140 x 12 x 2373
 <4>1-H.Stiff PL 140 x 12 x 375
 <5>2-H.Stiff PL 140 x 12 x 1288
 <6>2-H.Stiff PL 140 x 12 x 1223
 <7>1-H.Stiff PL 140 x 12 x 1287
 <8>1-H.Stiff PL 140 x 12 x 373
 1-Spl PL 2290 x 9 x 480(SM490YA)
 1-Spl PL 2290 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



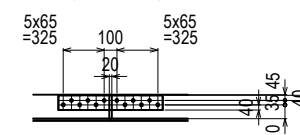
- <1>1-V.Stiff PL 140 x 12 x 2329
 <2>1-V.Stiff PL 140 x 12 x 2330
 <3>1-V.Stiff PL 140 x 12 x 2332
 <4>1-H.Stiff PL 140 x 12 x 374
 <5>3-H.Stiff PL 140 x 12 x 1285
 <6>2-H.Stiff PL 140 x 12 x 1220
 <7>1-H.Stiff PL 140 x 12 x 371
 1-Spl PL 2248 x 9 x 480(SM490YA)
 1-Spl PL 2248 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J3
 (Numbers : 5)

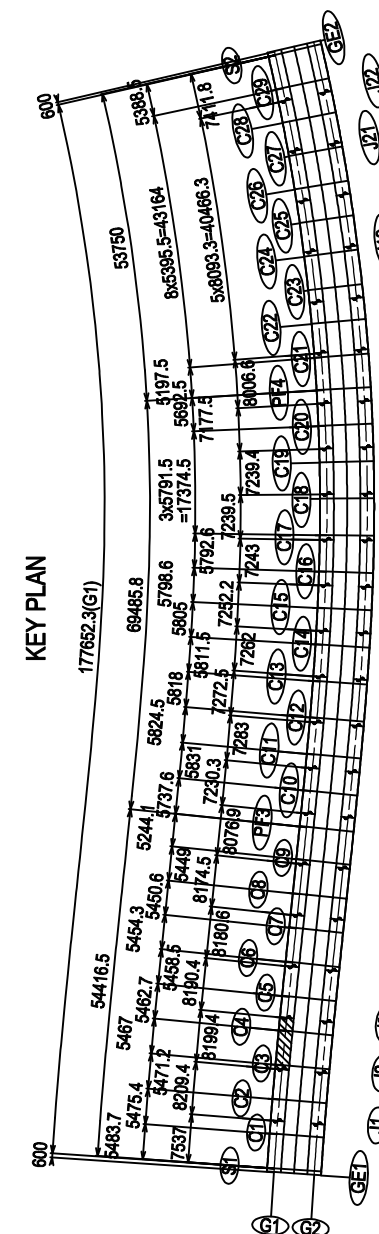


2-Spl PL 115 x 16 x 960(SM490YA)
 14-TCB M22 x 90(S10T)

Bot Long Rib Joint J3
 (Numbers : 2)



2-Spl PL 115 x 19 x 830(SM490YB)
 12-TCB M22 x 95(S10T)

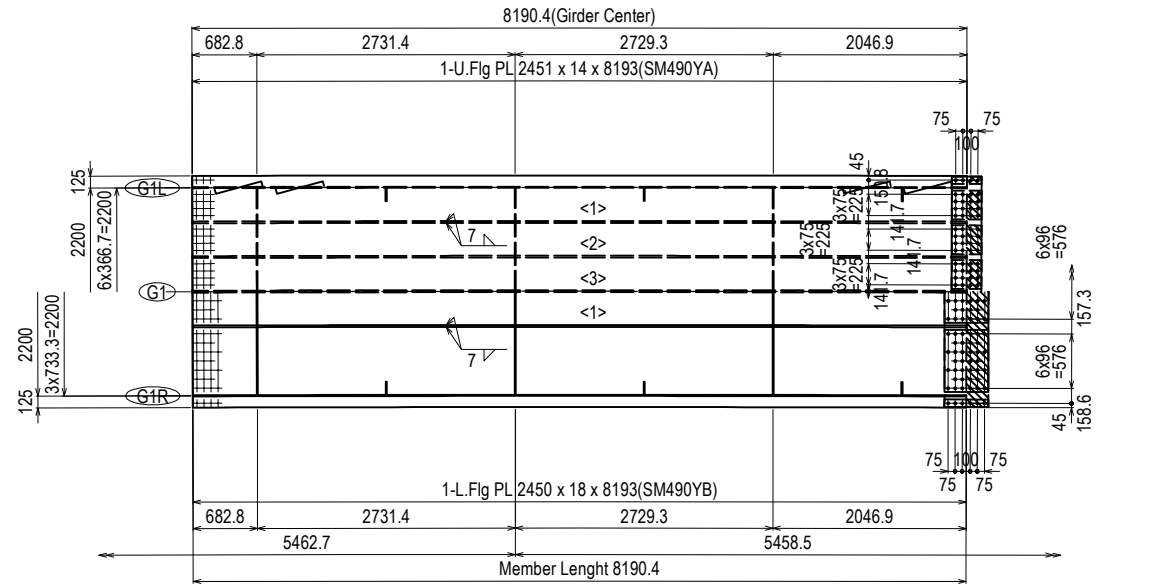


- Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

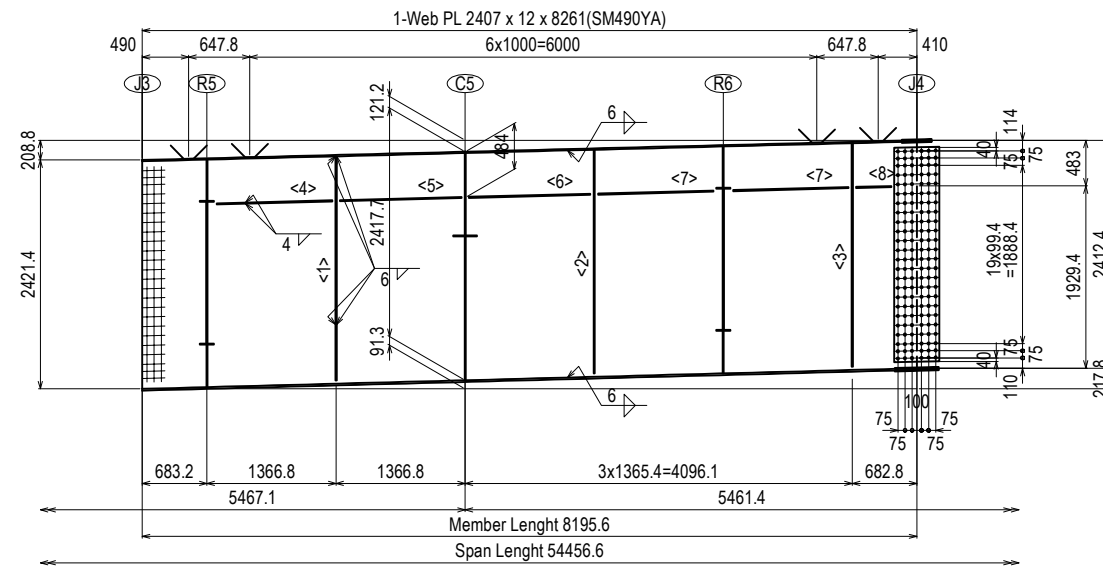
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI T. HAYAKAWA Y. SANO	SIGNATURE <i>YS</i> <i>平川知平</i> <i>佐藤 祐一</i>	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (3)	PACKAGE 3 DWG No. P3-FO-1412
---	--	---	--	---	---	--	---	---------------------------------------

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (4)

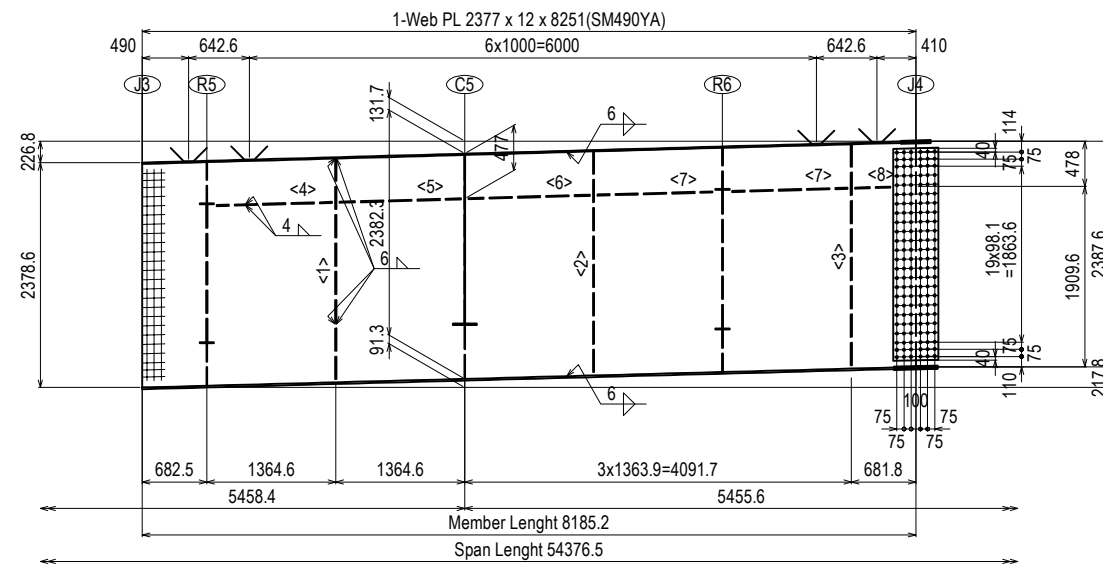
S=1:80



- <Upper Flg>
 18-RB ϕ 16 x 600(SS400)
 <1>1-Rib PL 190 x 19 x 8182(SM490YB)
 <2>1-Rib PL 190 x 19 x 8180(SM490YB)
 <3>1-Rib PL 190 x 19 x 8178(SM490YB)
 1-Rib PL 190 x 19 x 8177(SM490YB)
 1-Rib PL 190 x 19 x 8175(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 3.2 x 165(SS400)
 6-Fill PL 305 x 3.2 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>
 1-Rib PL 190 x 19 x 8180(SM490YB)
 <1>1-Rib PL 190 x 19 x 8177(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 3-Spl PL 656 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 8 x 240(SS400)
 6-TCB M22 x 75(S10T)
 108-TCB M22 x 75(S10T)
 6-TCB M22 x 75(S10T)

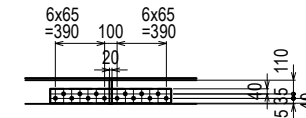


- <1>1-V.Stiff PL 140 x 12 x 2370
 <2>1-V.Stiff PL 140 x 12 x 2367
 <3>1-V.Stiff PL 140 x 12 x 2364
 <4>1-H.Stiff PL 140 x 12 x 1221
 <5>1-H.Stiff PL 140 x 12 x 1287
 <6>1-H.Stiff PL 140 x 12 x 1285
 <7>2-H.Stiff PL 140 x 12 x 1220
 <8>1-H.Stiff PL 140 x 12 x 372
 1-Spl PL 2281 x 9 x 480(SM490YA)
 1-Spl PL 2281 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



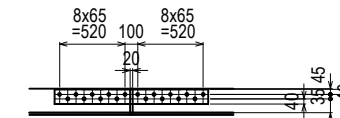
- <1>1-V.Stiff PL 140 x 12 x 2334
 <2>1-V.Stiff PL 140 x 12 x 2337
 <3>1-V.Stiff PL 140 x 12 x 2340
 <4>1-H.Stiff PL 140 x 12 x 1219
 <5>1-H.Stiff PL 140 x 12 x 1285
 <6>1-H.Stiff PL 140 x 12 x 1284
 <7>2-H.Stiff PL 140 x 12 x 1218
 <8>1-H.Stiff PL 140 x 12 x 371
 1-Spl PL 2256 x 9 x 480(SM490YA)
 1-Spl PL 2256 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J4
(Numbers : 5)

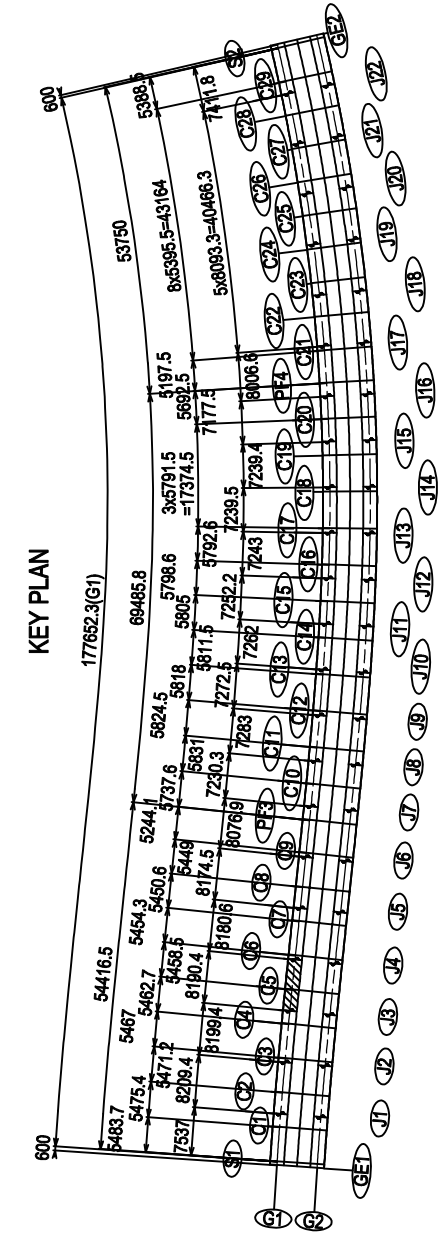


2-Spl PL 115 x 16 x 960(SM490YA)
 14-TCB M22 x 90(S10T)

Bot Long Rib Joint J4
(Numbers : 2)



2-Spl PL 115 x 19 x 830(SM490YB)
 12-TCB M22 x 95(S10T)

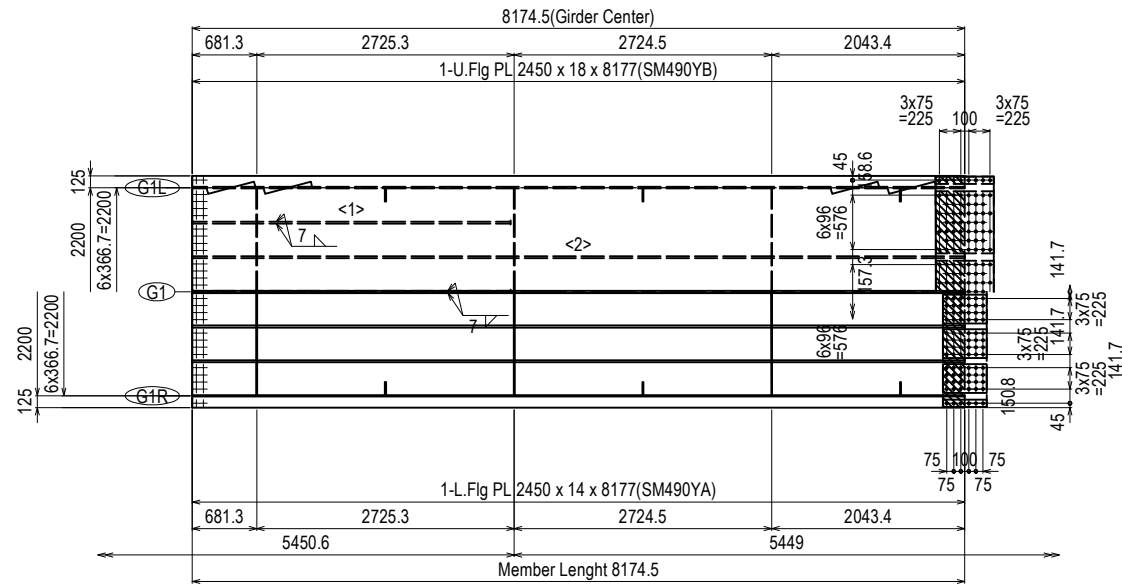


- Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

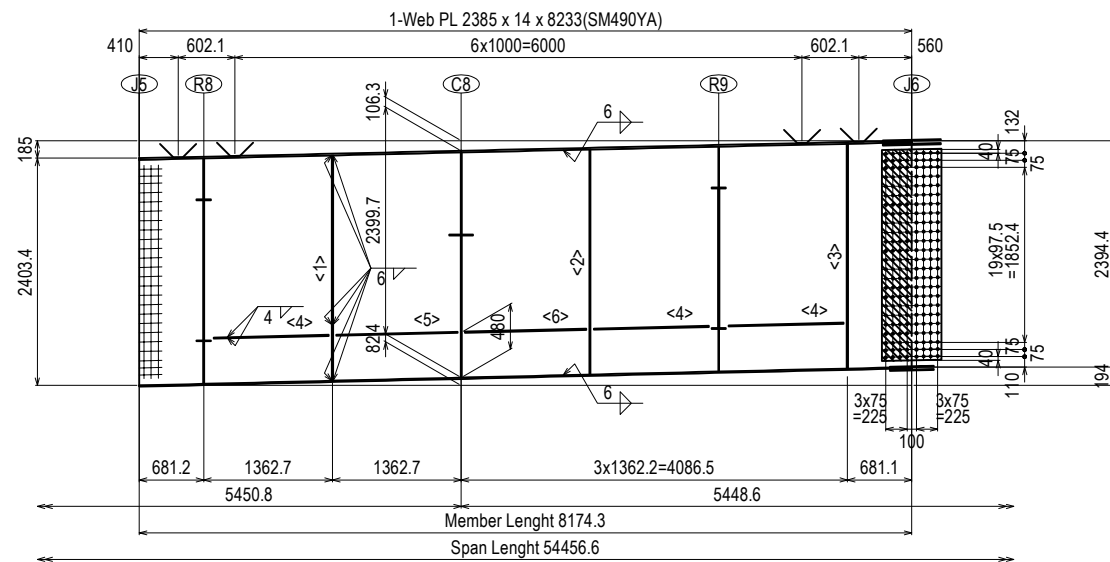
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI	SIGNATURE <i>YS</i>	DATE 14 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (4)	PACKAGE 3
				CHECKED BY T. HAYAKAWA	<i>平川知平</i>	20 Jul. 2017		DWG No.
				APPROVED BY Y. SANO	<i>佐野 祐一</i>	25 Jul. 2017		P3-FO-1413

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (6)

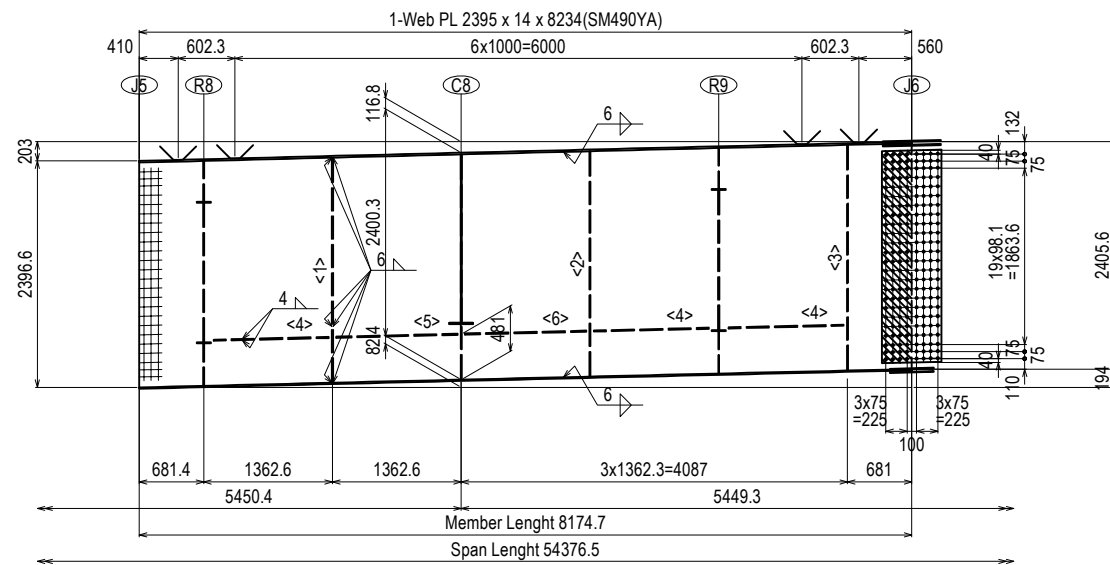
S=1:80



- <Upper Flg>
- 18-RB φ16 x 600(SS400)
 - <1>3-Rib PL 230 x 22 x 3364(SM490YB)
 - <2>2-Rib PL 230 x 22 x 8162(SM490YB)
 - 1-Spl PL 80 x 12 x 630(SM490YA)
 - 3-Spl PL 656 x 12 x 630(SM490YA)
 - 1-Spl PL 80 x 12 x 630(SM490YA)
 - 1-Spl PL 2440 x 10 x 630(SM490YA)
 - 2-Fill PL 80 x 14 x 315(SS400)
 - 3-Fill PL 656 x 14 x 315(SS400)
 - 8-TCB M22 x 90(S10T)
 - 150-TCB M22 x 90(S10T)
 - 8-TCB M22 x 90(S10T)
- <Lower Flg>
- 5-Rib PL 230 x 22 x 8162(SM490YB)
 - 1-Spl PL 80 x 9 x 480(SM490YA)
 - 6-Spl PL 305 x 9 x 480(SM490YA)
 - 1-Spl PL 80 x 9 x 480(SM490YA)
 - 1-Spl PL 2440 x 9 x 480(SM490YA)
 - 1-Fill PL 2440 x 12 x 240(SS400)
 - 6-TCB M22 x 80(S10T)
 - 144-TCB M22 x 80(S10T)
 - 6-TCB M22 x 80(S10T)

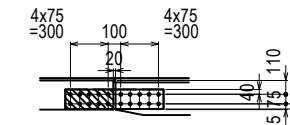


- <1>1-V.Stiff PL 140 x 12 x 2383
- <2>1-V.Stiff PL 140 x 12 x 2380
- <3>1-V.Stiff PL 140 x 12 x 2378
- <4>3-H.Stiff PL 140 x 12 x 1217
- <5>1-H.Stiff PL 140 x 12 x 1283
- <6>1-H.Stiff PL 140 x 12 x 1282
- 1-Spl PL 2246 x 9 x 630(SM490YA)
- 1-Spl PL 2246 x 9 x 630(SM490YA)
- 1-Fill PL 2240 x 2.3 x 315(SS400)
- 192-TCB M22 x 70(S10T)



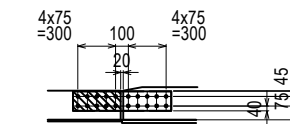
- <1>1-V.Stiff PL 140 x 12 x 2381
- <2>1-V.Stiff PL 140 x 12 x 2384
- <3>1-V.Stiff PL 140 x 12 x 2387
- <4>3-H.Stiff PL 140 x 12 x 1217
- <5>1-H.Stiff PL 140 x 12 x 1283
- <6>1-H.Stiff PL 140 x 12 x 1282
- 1-Spl PL 2258 x 9 x 630(SM490YA)
- 1-Spl PL 2258 x 9 x 630(SM490YA)
- 1-Fill PL 2251 x 2.3 x 315(SS400)
- 192-TCB M22 x 70(S10T)

Top Long Rib Joint J6
(Numbers : 2)

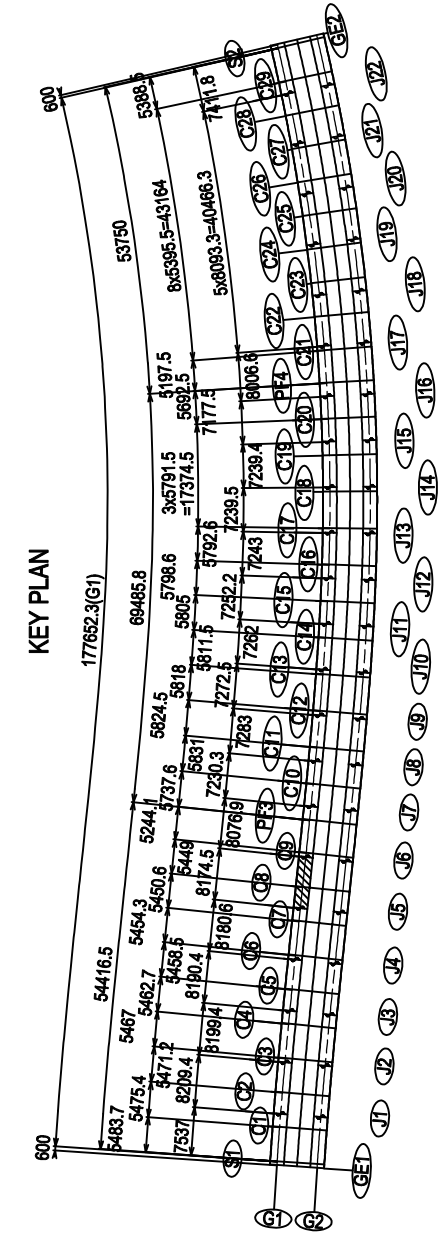


- 2-Spl PL 155 x 22 x 780(SM490YB)
- 1-Fill PL 155 x 3.2 x 390(SS400)
- 20-TCB M22 x 100(S10T)

Bot Long Rib Joint J6
(Numbers : 5)



- 2-Spl PL 155 x 19 x 780(SM490YB)
- 1-Fill PL 155 x 3.2 x 390(SS400)
- 20-TCB M22 x 100(S10T)



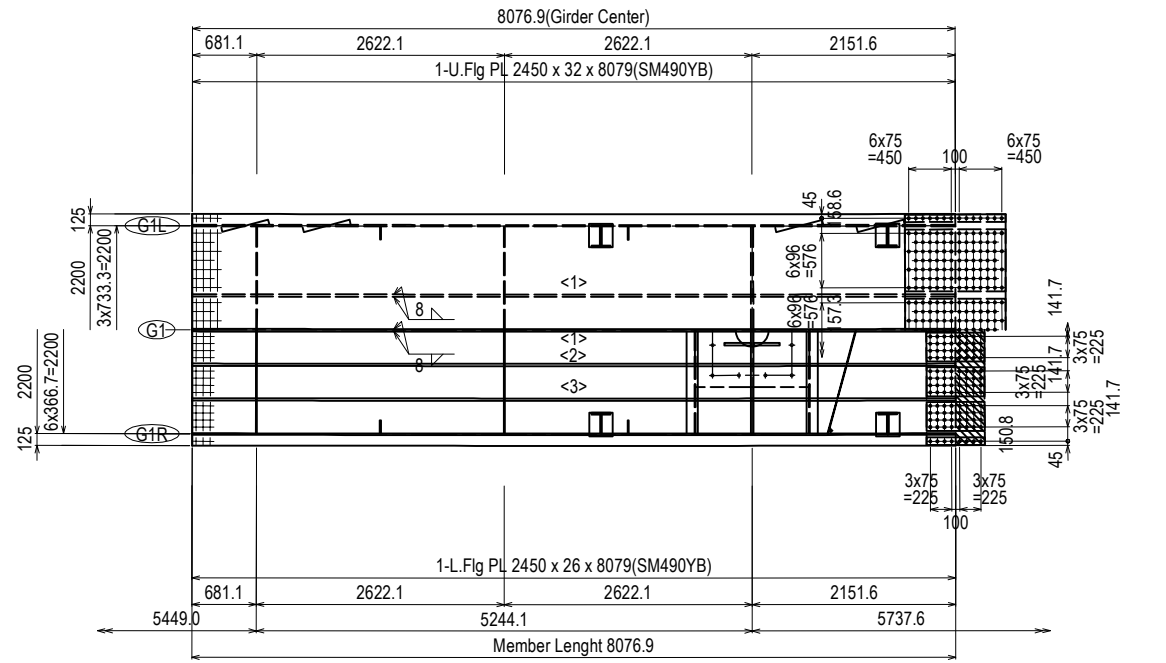
Note

1. All material without the reports is made SM400A
2. + : High-tension bolt M22 (S10T)
3. All scar laps without the reports are made R35

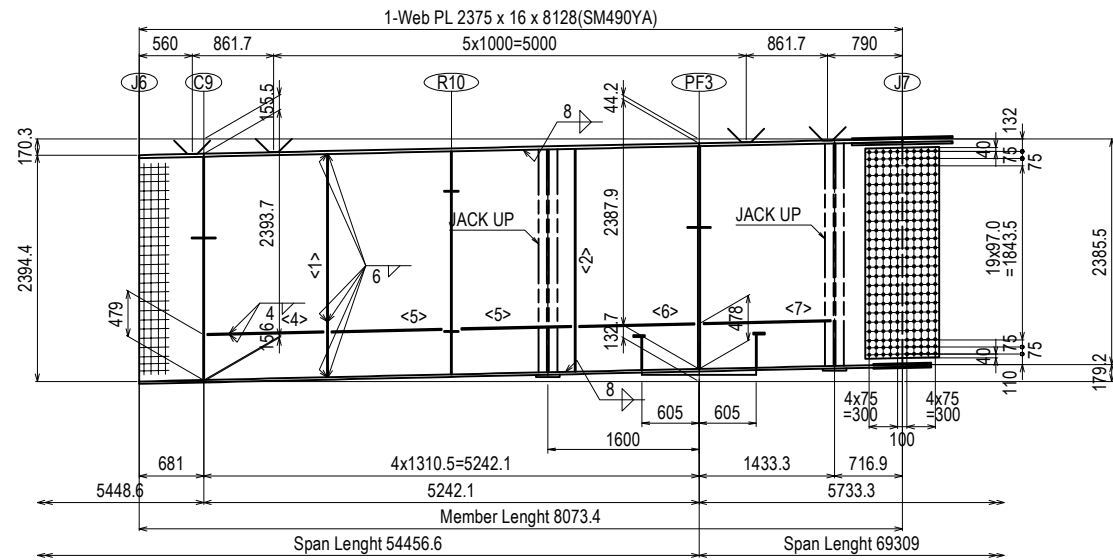
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
							DETAIL OF MAIN GIRDER G1 (PF2-PF5) (6)	3	
								DWG No.	
								P3-FO-1415	

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (7)

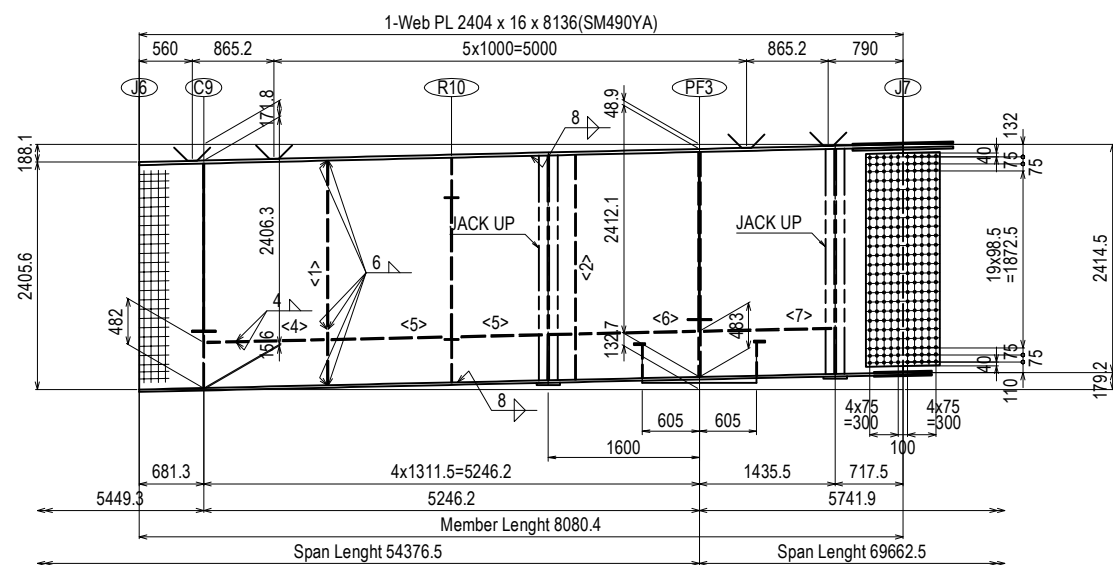
S=1:80



- <Upper Flg>
 16-RB ϕ 16 x 600(SS400)
 <1>1-Rib PL 260 x 25 x 8063(SM490YB)
 1-Rib PL 260 x 25 x 8066(SM490YB)
 1-Spl PL 80 x 25 x 1080(SM490YB)
 3-Spl PL 656 x 25 x 1080(SM490YB)
 1-Spl PL 80 x 25 x 1080(SM490YB)
 1-Spl PL 2440 x 19 x 1080(SM490YB)
 14-TCB M22 x 115(S10T)
 276-TCB M22 x 115(S10T)
 14-TCB M22 x 115(S10T)
 <Lower Flg>
 1-Rib PL 260 x 25 x 8062(SM490YB)
 1-Rib PL 260 x 25 x 8063(SM490YB)
 <1>1-Rib PL 260 x 25 x 8064(SM490YB)
 <2>1-Rib PL 260 x 25 x 8066(SM490YB)
 <3>1-Rib PL 260 x 25 x 8067(SM490YB)
 1-Spl PL 80 x 14 x 630(SM490YA)
 6-Spl PL 305 x 14 x 630(SM490YA)
 1-Spl PL 80 x 14 x 630(SM490YA)
 1-Spl PL 2440 x 12 x 630(SM490YA)
 1-Fill PL 2440 x 4.5 x 315(SS400)
 8-TCB M22 x 90(S10T)
 192-TCB M22 x 90(S10T)
 8-TCB M22 x 90(S10T)
 1-Sole PL 1210 x 52 x 1210(SM490C)

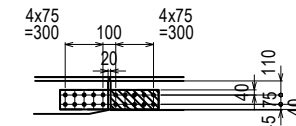


- <1>1-V.Stiff PL 140 x 12 x 2361
 <2>1-V.Stiff PL 140 x 12 x 2359
 <4>1-H.Stiff PL 160 x 14 x 1230
 <5>2-H.Stiff PL 160 x 14 x 1165
 <6>1-H.Stiff PL 160 x 14 x 1222
 <7>1-H.Stiff PL 160 x 14 x 1345
 1-Spl PL 2240 x 10 x 780(SM490YA)
 1-Spl PL 2240 x 10 x 780(SM490YA)
 240-TCB M22 x 75(S10T)



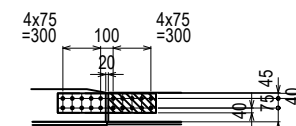
- <1>1-V.Stiff PL 140 x 12 x 2376
 <2>1-V.Stiff PL 140 x 12 x 2379
 <4>1-H.Stiff PL 160 x 14 x 1231
 <5>2-H.Stiff PL 160 x 14 x 1166
 <6>1-H.Stiff PL 160 x 14 x 1223
 <7>1-H.Stiff PL 160 x 14 x 1347
 1-Spl PL 2270 x 10 x 780(SM490YA)
 1-Spl PL 2270 x 10 x 780(SM490YA)
 240-TCB M22 x 75(S10T)

Top Long Rib Joint J7
(Numbers : 2)

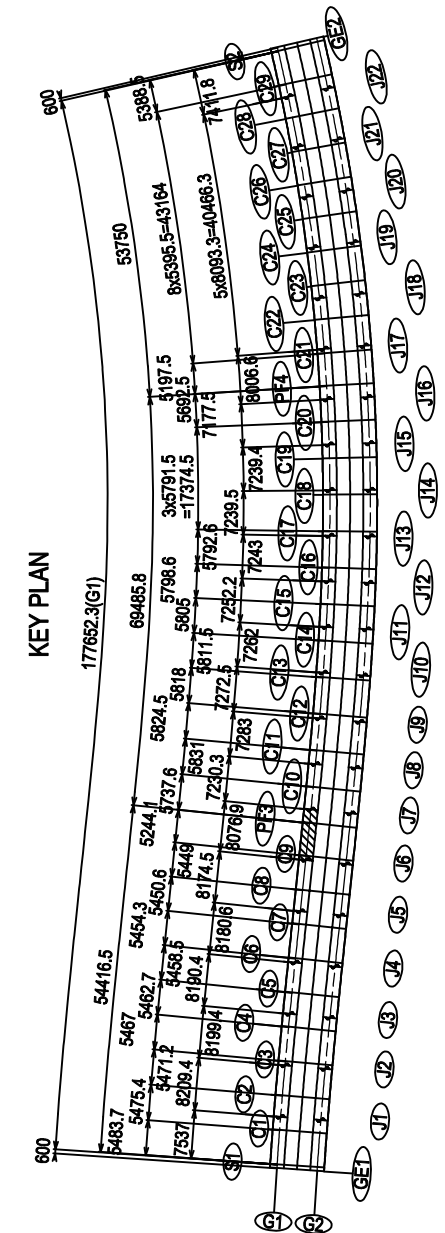


- 2-Spl PL 155 x 22 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 100(S10T)

Bot Long Rib Joint J7
(Numbers : 5)



- 2-Spl PL 155 x 19 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 100(S10T)

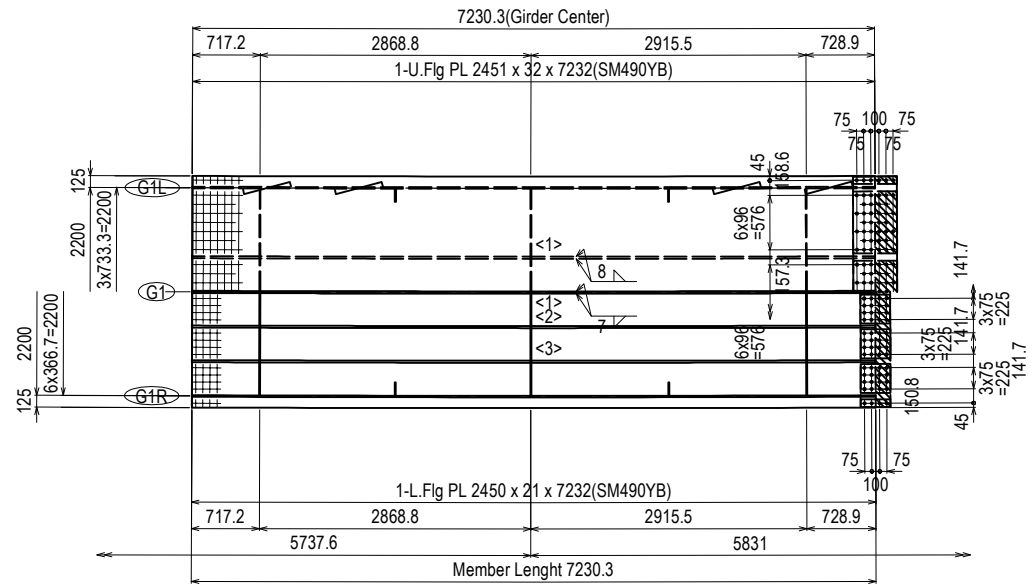


- Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

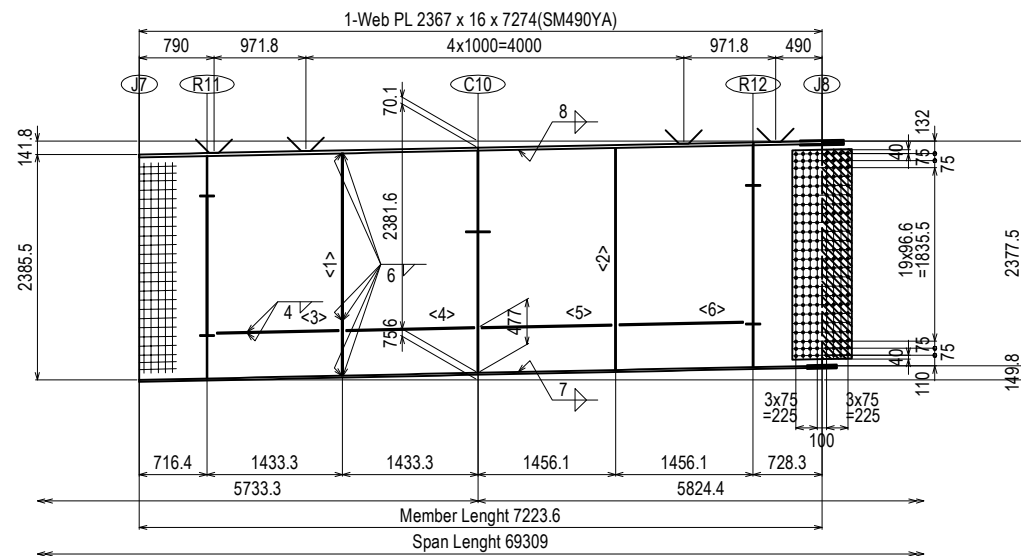
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI T. HAYAKAWA Y. SANO	SIGNATURE <i>YS</i> <i>平川知寿</i> <i>佐藤 祐一</i>	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (7)	PACKAGE 3 DWG No. P3-FO-1416
---	--	---	--	---	---	--	---	---------------------------------------

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (8)

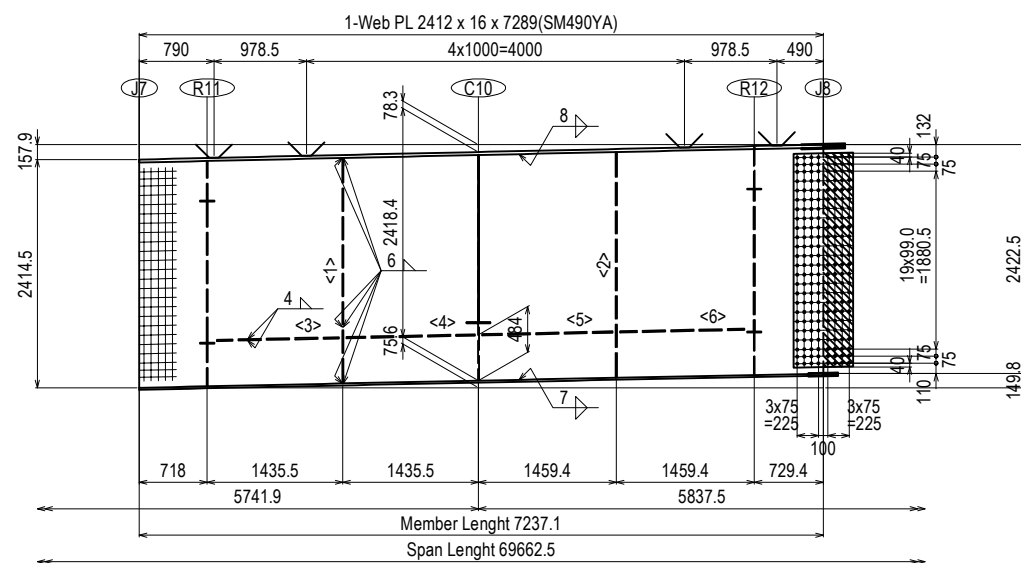
S=1:80



- <Upper Flg>
- 14-RB φ16 x 600(SS400)
 - <1>1-Rib PL 230 x 22 x 7214(SM490YB)
 - 1-Rib PL 230 x 22 x 7219(SM490YB)
 - 1-Spl PL 80 x 12 x 480(SM490YA)
 - 3-Spl PL 656 x 12 x 480(SM490YA)
 - 1-Spl PL 80 x 12 x 480(SM490YA)
 - 1-Spl PL 2440 x 9 x 480(SM490YA)
 - 2-Fill PL 80 x 16 x 240(SS400)
 - 3-Fill PL 656 x 16 x 240(SS400)
 - 6-TCB M22 x 90(S10T)
 - 108-TCB M22 x 90(S10T)
 - 6-TCB M22 x 90(S10T)
- <Lower Flg>
- 1-Rib PL 230 x 22 x 7212(SM490YB)
 - 1-Rib PL 230 x 22 x 7214(SM490YB)
 - <1>1-Rib PL 230 x 22 x 7216(SM490YB)
 - <2>1-Rib PL 230 x 22 x 7219(SM490YB)
 - <3>1-Rib PL 230 x 22 x 7221(SM490YB)
 - 1-Spl PL 80 x 9 x 330(SM490YA)
 - 6-Spl PL 305 x 9 x 330(SM490YA)
 - 1-Spl PL 80 x 9 x 330(SM490YA)
 - 1-Spl PL 2440 x 9 x 330(SM490YA)
 - 1-Fill PL 2440 x 10 x 165(SS400)
 - 4-TCB M22 x 75(S10T)
 - 96-TCB M22 x 75(S10T)
 - 4-TCB M22 x 75(S10T)

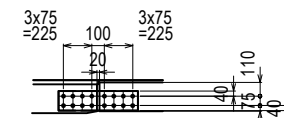


- <1>1-V.Stiff PL 140 x 12 x 2353
- <2>1-V.Stiff PL 140 x 12 x 2351
- <3>1-H.Stiff PL 160 x 14 x 1288
- <4>1-H.Stiff PL 160 x 14 x 1353
- <5>1-H.Stiff PL 160 x 14 x 1376
- <6>1-H.Stiff PL 160 x 14 x 1310
- 1-Spl PL 2228 x 9 x 630(SM490YA)
- 1-Spl PL 2228 x 9 x 630(SM490YA)
- 1-Fill PL 2221 x 2.3 x 315(SS400)
- 192-TCB M22 x 70(S10T)



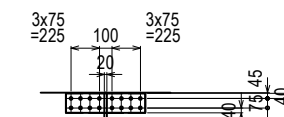
- <1>1-V.Stiff PL 140 x 12 x 2385
- <2>1-V.Stiff PL 140 x 12 x 2388
- <3>1-H.Stiff PL 160 x 14 x 1290
- <4>1-H.Stiff PL 160 x 14 x 1355
- <5>1-H.Stiff PL 160 x 14 x 1379
- <6>1-H.Stiff PL 160 x 14 x 1314
- 1-Spl PL 2273 x 9 x 630(SM490YA)
- 1-Spl PL 2273 x 9 x 630(SM490YA)
- 1-Fill PL 2267 x 2.3 x 315(SS400)
- 192-TCB M22 x 70(S10T)

Top Long Rib Joint J8
(Numbers : 2)

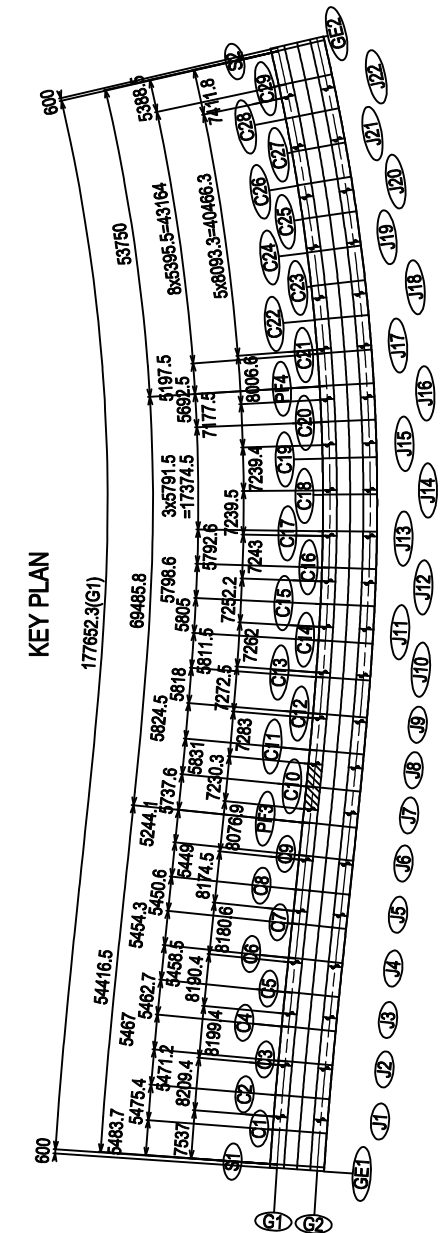


2-Spl PL 155 x 22 x 630(SM490YB)
16-TCB M22 x 95(S10T)

Bot Long Rib Joint J8
(Numbers : 5)



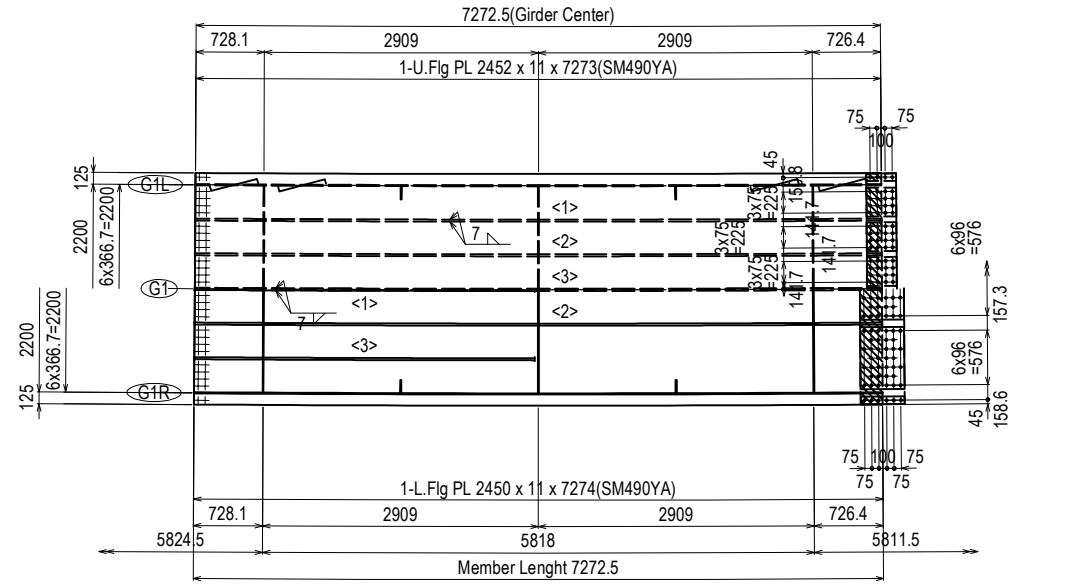
2-Spl PL 155 x 19 x 630(SM490YB)
16-TCB M22 x 95(S10T)



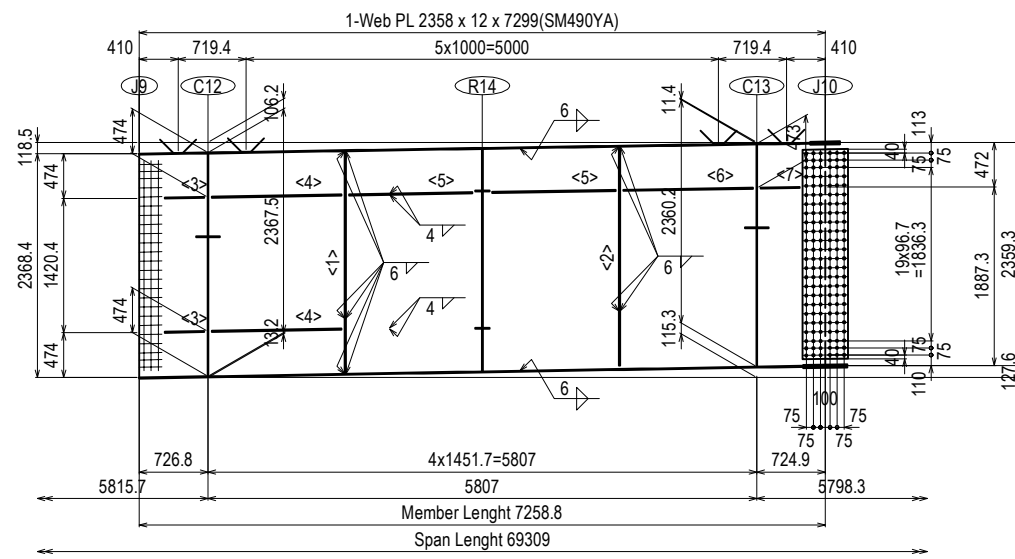
- Note
1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
							DETAIL OF MAIN GIRDER G1 (PF2-PF5) (8)	3	
							DWG No.		
							P3-FO-1417		

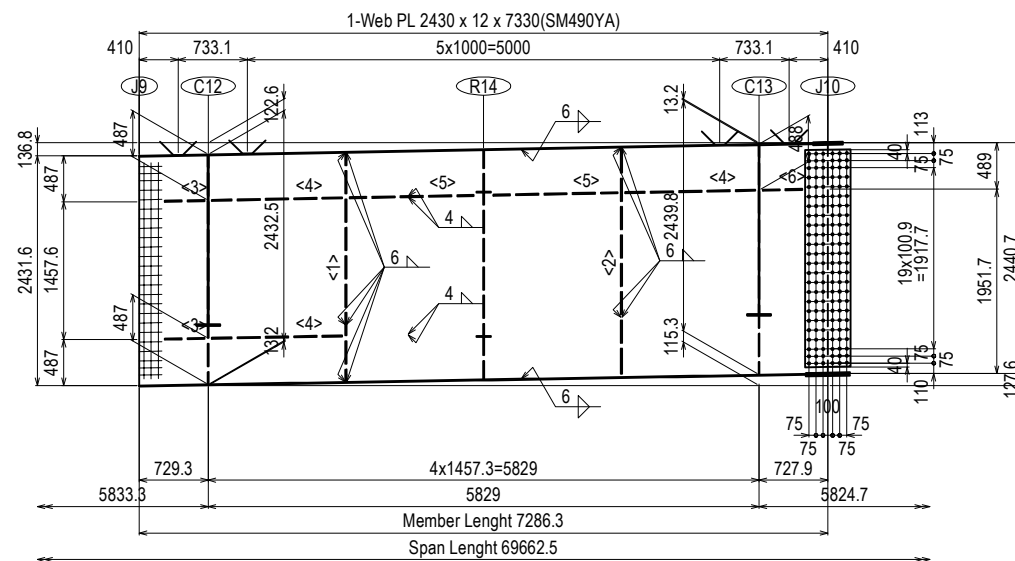
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (10) S=1:80



- <Upper Flg>**
 16-RB φ16 x 600(SS400)
 <1> 1-Rib PL 230 x 22 x 7248(SM490YB)
 <2> 1-Rib PL 230 x 22 x 7253(SM490YB)
 <3> 1-Rib PL 230 x 22 x 7257(SM490YB)
 1-Rib PL 230 x 22 x 7262(SM490YB)
 1-Rib PL 230 x 22 x 7267(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 2.3 x 165(SS400)
 6-Fill PL 305 x 2.3 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>**
 1-Rib PL 230 x 22 x 3588(SM490YB)
 1-Rib PL 230 x 22 x 7253(SM490YB)
 <1> 1-Rib PL 230 x 22 x 3592(SM490YB)
 <2> 1-Rib PL 230 x 22 x 7262(SM490YB)
 <3> 1-Rib PL 230 x 22 x 3597(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 3-Spl PL 656 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 4.5 x 240(SS400)
 6-TCB M22 x 70(S10T)
 108-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)

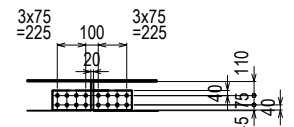


- <1> 1-V.Stiff PL 140 x 12 x 2359
 <2> 1-V.Stiff PL 140 x 12 x 2321
 <3> 2-H.Stiff PL 140 x 12 x 417
 <4> 2-H.Stiff PL 140 x 12 x 1372
 <5> 2-H.Stiff PL 140 x 12 x 1306
 <6> 1-H.Stiff PL 140 x 12 x 1371
 <7> 1-H.Stiff PL 140 x 12 x 416
 1-Spl PL 2224 x 9 x 480(SM490YA)
 1-Spl PL 2224 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



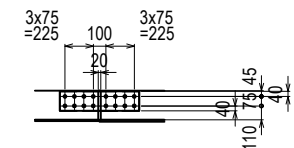
- <1> 1-V.Stiff PL 140 x 12 x 2423
 <2> 1-V.Stiff PL 140 x 12 x 2392
 <3> 2-H.Stiff PL 140 x 12 x 420
 <4> 3-H.Stiff PL 140 x 12 x 1377
 <5> 2-H.Stiff PL 140 x 12 x 1312
 <6> 1-H.Stiff PL 140 x 12 x 419
 1-Spl PL 2306 x 9 x 480(SM490YA)
 1-Spl PL 2306 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J10
(Numbers : 5)

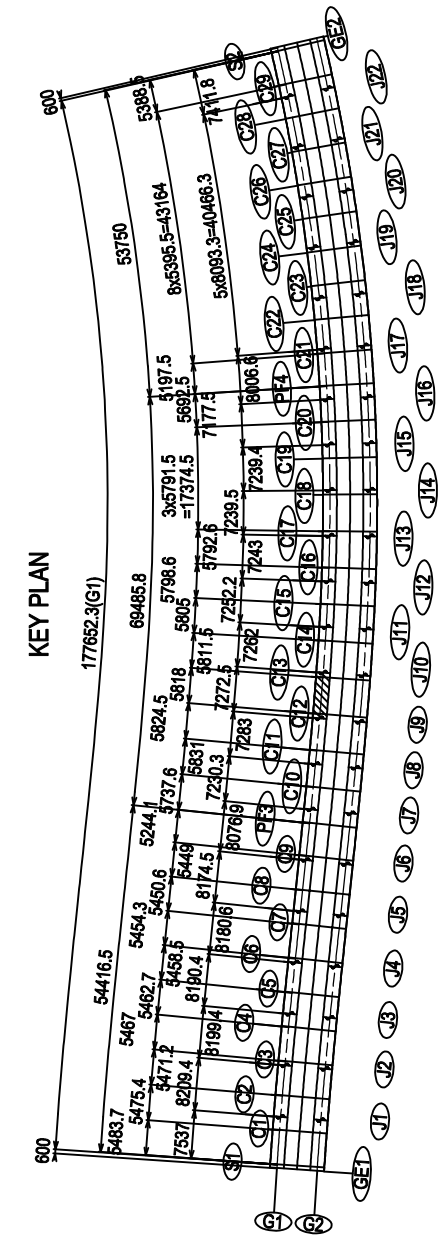


2-Spl PL 155 x 19 x 630(SM490YB)
 16-TCB M22 x 95(S10T)

Bot Long Rib Joint J10
(Numbers : 2)



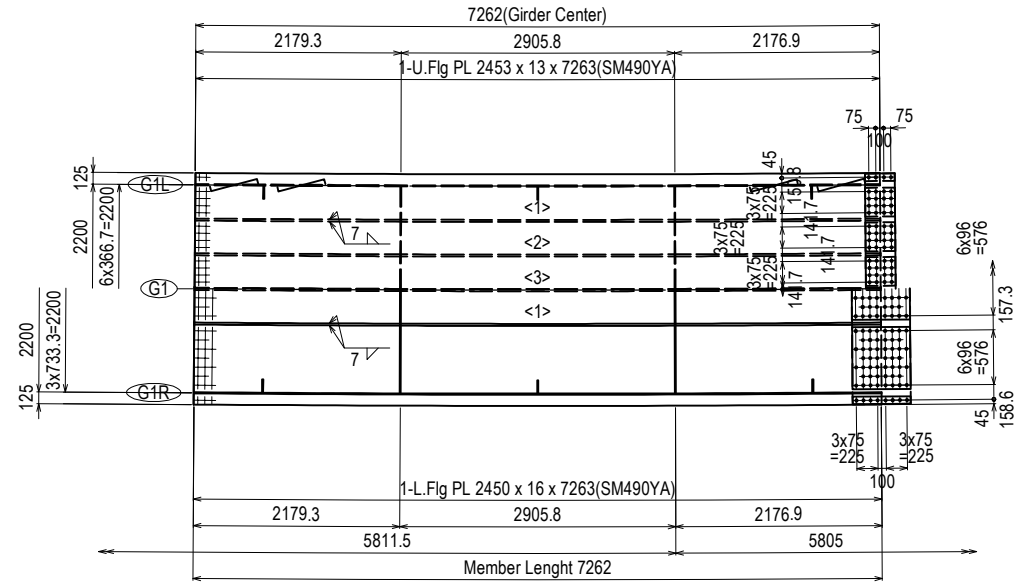
2-Spl PL 155 x 22 x 630(SM490YB)
 16-TCB M22 x 95(S10T)



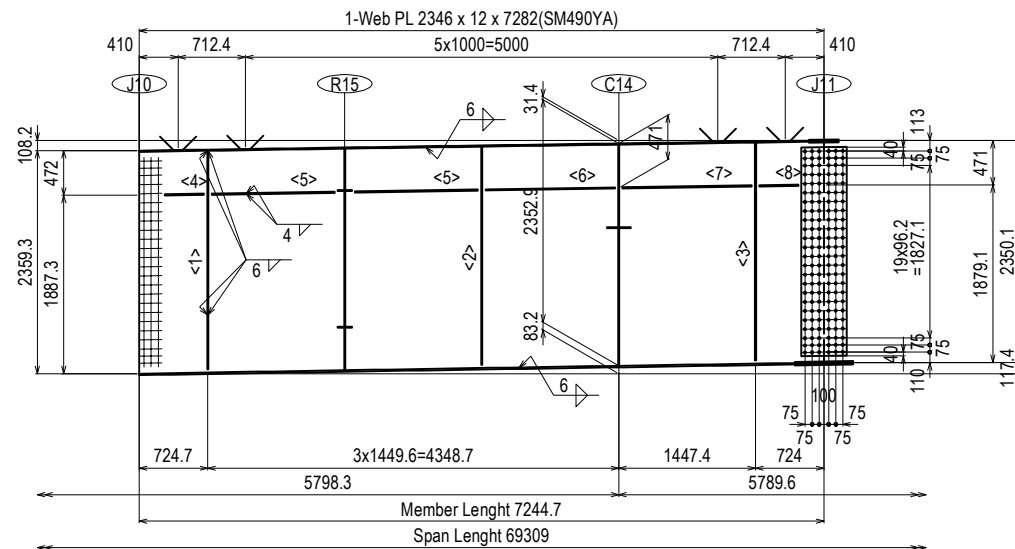
- Note**
1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY Y. SUZUKI</td> <td></td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY Y. SUZUKI		14 Jul. 2017	CHECKED BY T. HAYAKAWA		20 Jul. 2017	APPROVED BY Y. SANO		25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (10)	PACKAGE 3 DWG No. P3-FO-1419
NAME	SIGNATURE	DATE																
PREPARED BY Y. SUZUKI		14 Jul. 2017																
CHECKED BY T. HAYAKAWA		20 Jul. 2017																
APPROVED BY Y. SANO		25 Jul. 2017																

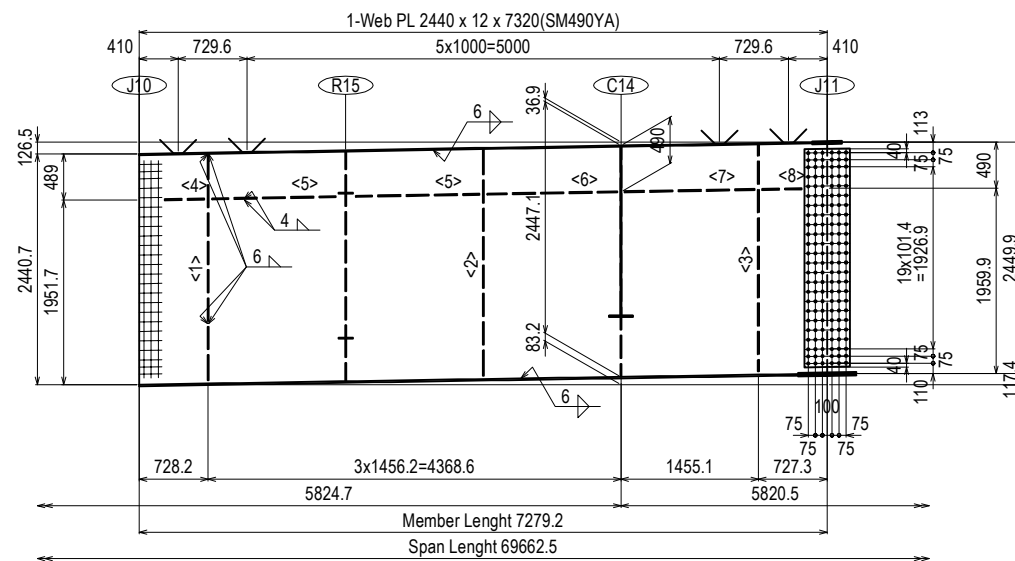
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (11) S=1:80



- <Upper Flg>
 16-RB φ16 x 600(SS400)
 <1> 1-Rib PL 230 x 22 x 7235(SM490YB)
 <2> 1-Rib PL 230 x 22 x 7241(SM490YB)
 <3> 1-Rib PL 230 x 22 x 7246(SM490YB)
 1-Rib PL 230 x 22 x 7252(SM490YB)
 1-Rib PL 230 x 22 x 7258(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>
 1-Rib PL 230 x 22 x 7241(SM490YB)
 <1> 1-Rib PL 230 x 22 x 7252(SM490YB)
 1-Spl PL 80 x 12 x 630(SM490YA)
 3-Spl PL 656 x 12 x 630(SM490YA)
 1-Spl PL 80 x 12 x 630(SM490YA)
 1-Spl PL 2440 x 9 x 630(SM490YA)
 8-TCB M22 x 75(S10T)
 150-TCB M22 x 75(S10T)
 8-TCB M22 x 75(S10T)

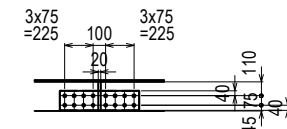


- <1> 1-V.Stiff PL 140 x 12 x 2316
 <2> 1-V.Stiff PL 140 x 12 x 2312
 <3> 1-V.Stiff PL 140 x 12 x 2309
 <4> 1-H.Stiff PL 140 x 12 x 414
 <5> 2-H.Stiff PL 140 x 12 x 1304
 <6> 1-H.Stiff PL 140 x 12 x 1369
 <7> 1-H.Stiff PL 140 x 12 x 1367
 <8> 1-H.Stiff PL 140 x 12 x 413
 1-Spl PL 2214 x 9 x 480(SM490YA)
 1-Spl PL 2214 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



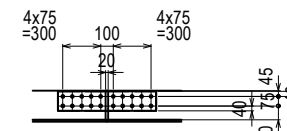
- <1> 1-V.Stiff PL 140 x 12 x 2394
 <2> 1-V.Stiff PL 140 x 12 x 2397
 <3> 1-V.Stiff PL 140 x 12 x 2401
 <4> 1-H.Stiff PL 140 x 12 x 417
 <5> 2-H.Stiff PL 140 x 12 x 1310
 <6> 1-H.Stiff PL 140 x 12 x 1376
 <7> 1-H.Stiff PL 140 x 12 x 1375
 <8> 1-H.Stiff PL 140 x 12 x 416
 1-Spl PL 2315 x 9 x 480(SM490YA)
 1-Spl PL 2315 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J11
(Numbers : 5)

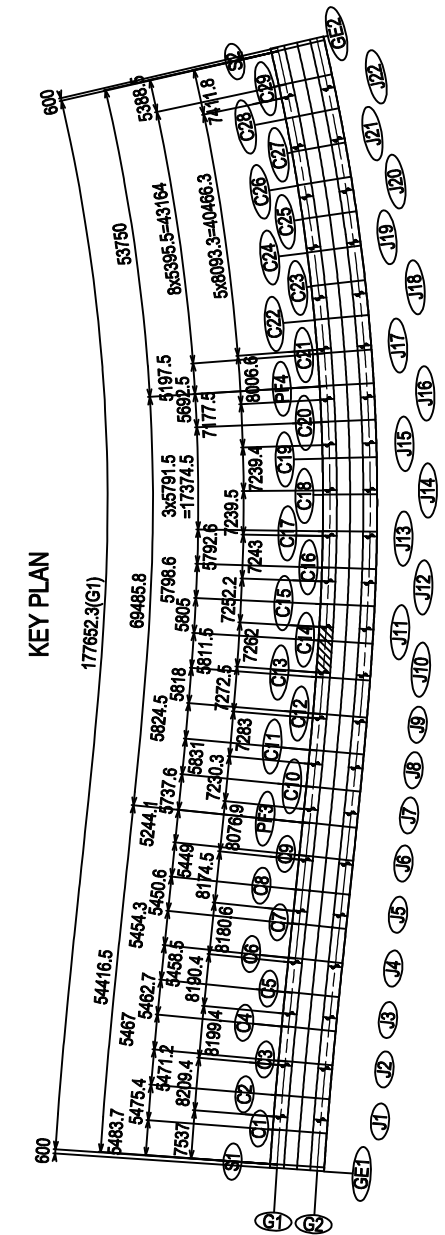


2-Spl PL 155 x 19 x 630(SM490YB)
 16-TCB M22 x 95(S10T)

Bot Long Rib Joint J11
(Numbers : 2)



2-Spl PL 155 x 22 x 780(SM490YB)
 20-TCB M22 x 95(S10T)

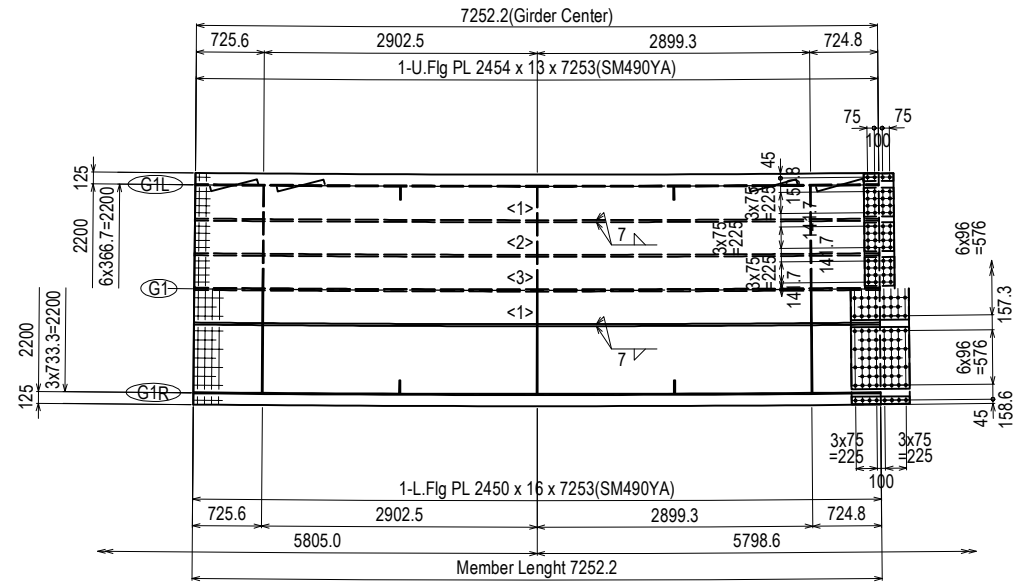


- Note
1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

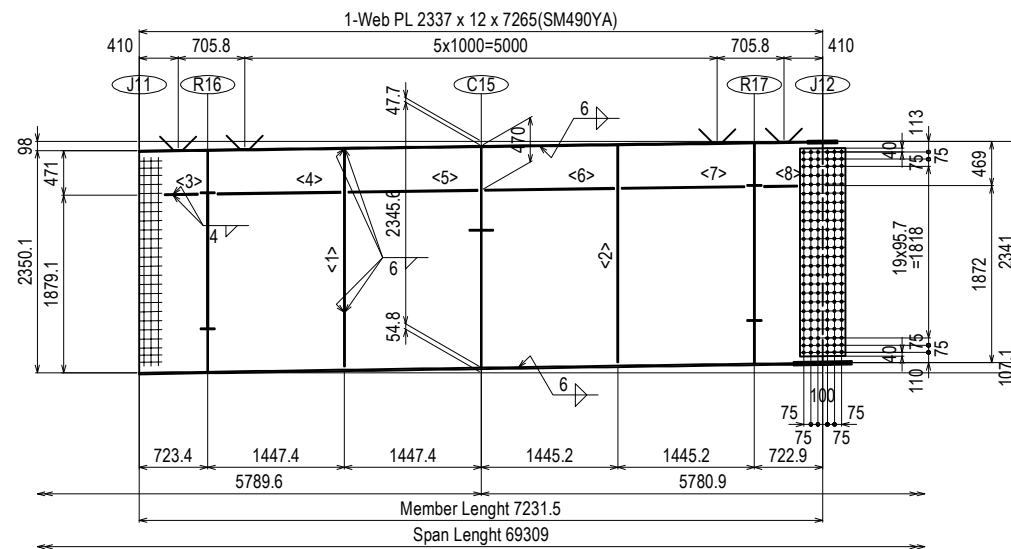
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (11)	PACKAGE 3 DWG No. P3-FO-1420
---	--	---	--	---	-----------------------	--	--	---------------------------------------

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (12)

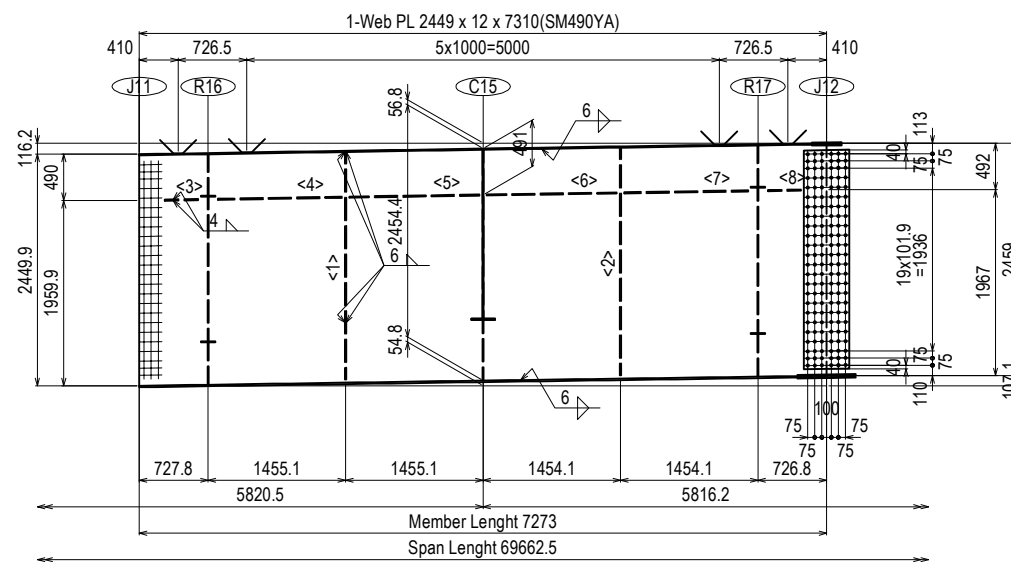
S=1:80



- <Upper Flg>
 16-RB ϕ 16 x 600(SS400)
 <1>1-Rib PL 230 x 22 x 7222(SM490YB)
 <2>1-Rib PL 230 x 22 x 7229(SM490YB)
 <3>1-Rib PL 230 x 22 x 7236(SM490YB)
 1-Rib PL 230 x 22 x 7243(SM490YB)
 1-Rib PL 230 x 22 x 7250(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>
 1-Rib PL 230 x 22 x 7229(SM490YB)
 <1>1-Rib PL 230 x 22 x 7243(SM490YB)
 1-Spl PL 80 x 12 x 630(SM490YA)
 3-Spl PL 656 x 12 x 630(SM490YA)
 1-Spl PL 80 x 12 x 630(SM490YA)
 1-Spl PL 2440 x 9 x 630(SM490YA)
 8-TCB M22 x 75(S10T)
 150-TCB M22 x 75(S10T)
 8-TCB M22 x 75(S10T)

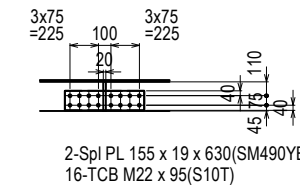


- <1>1-V.Stiff PL 140 x 12 x 2306
 <2>1-V.Stiff PL 140 x 12 x 2303
 <3>1-H.Stiff PL 140 x 12 x 349
 <4>1-H.Stiff PL 140 x 12 x 1302
 <5>1-H.Stiff PL 140 x 12 x 1367
 <6>1-H.Stiff PL 140 x 12 x 1365
 <7>1-H.Stiff PL 140 x 12 x 1299
 <8>1-H.Stiff PL 140 x 12 x 348
 1-Spl PL 2204 x 9 x 480(SM490YA)
 1-Spl PL 2204 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

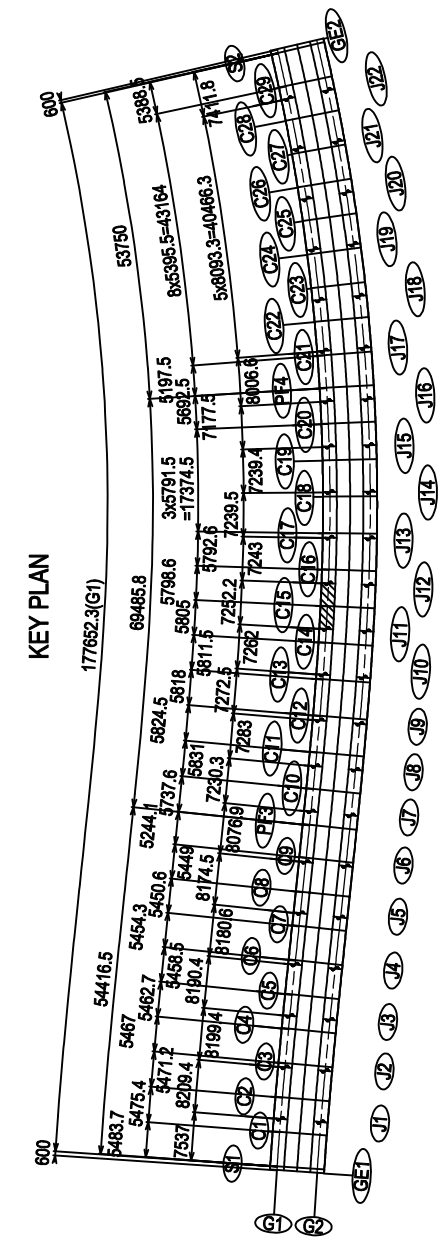
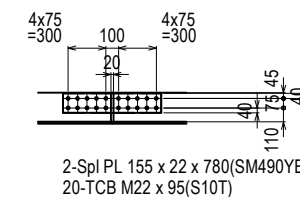


- <1>1-V.Stiff PL 140 x 12 x 2405
 <2>1-V.Stiff PL 140 x 12 x 2408
 <3>1-H.Stiff PL 140 x 12 x 353
 <4>1-H.Stiff PL 140 x 12 x 1309
 <5>1-H.Stiff PL 140 x 12 x 1375
 <6>1-H.Stiff PL 140 x 12 x 1374
 <7>1-H.Stiff PL 140 x 12 x 1308
 <8>1-H.Stiff PL 140 x 12 x 352
 1-Spl PL 2323 x 9 x 480(SM490YA)
 1-Spl PL 2323 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J12
(Numbers : 5)



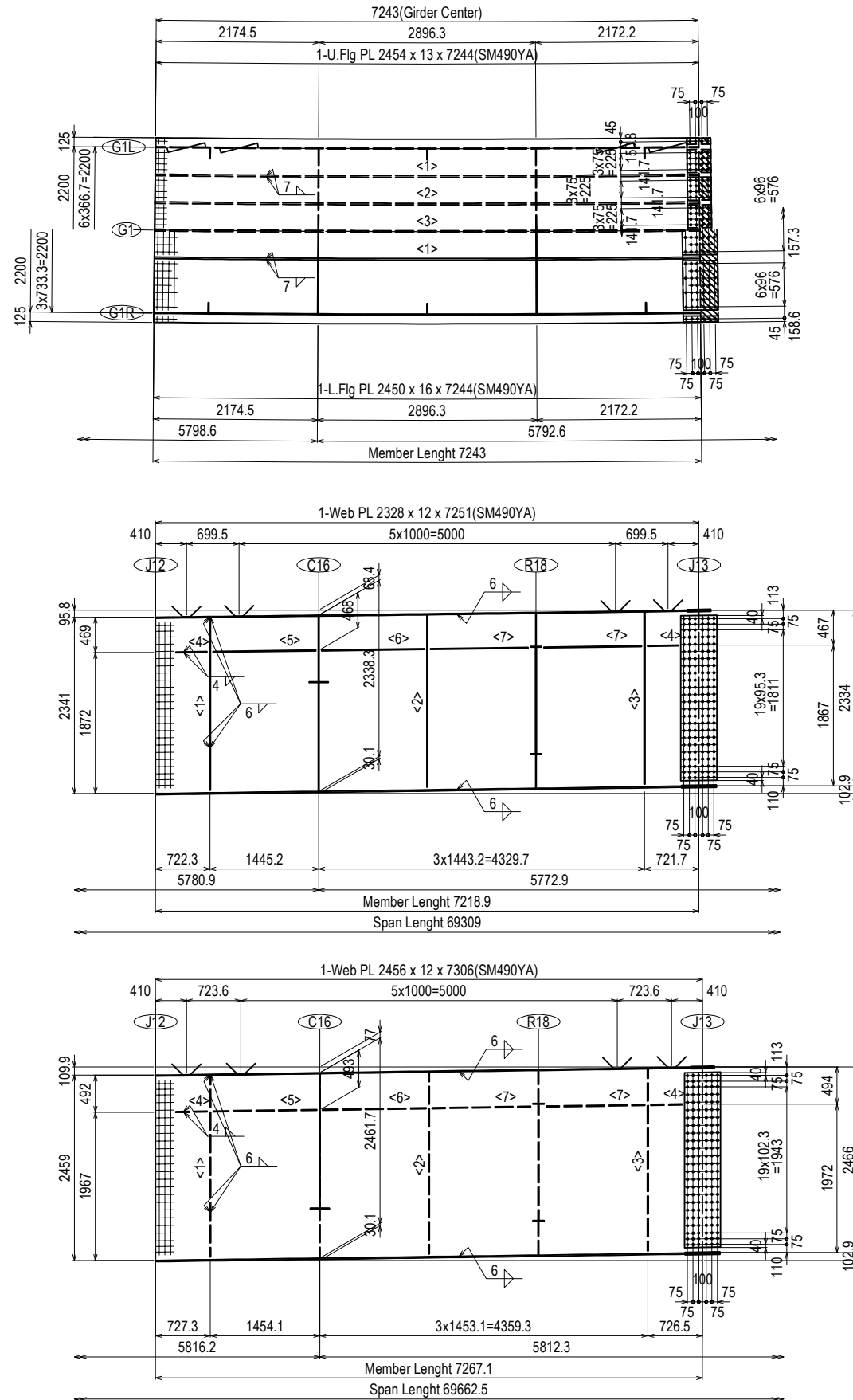
Bot Long Rib Joint J12
(Numbers : 2)



- Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	Y. SUZUKI	<i>[Signature]</i>	14 Jul. 2017	DETAIL OF MAIN GIRDER G1 (PF2-PF5) (12)	3
				T. HAYAKAWA	<i>[Signature]</i>	20 Jul. 2017		DWG No.
				Y. SANO	<i>[Signature]</i>	25 Jul. 2017		P3-FO-1421

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (13) S=1:80

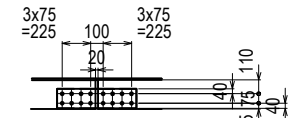


- <Upper Flg>**
 16-RB φ16 x 600(SS400)
 <1>1-Rib PL 230 x 22 x 7211(SM490YB)
 <2>1-Rib PL 230 x 22 x 7219(SM490YB)
 <3>1-Rib PL 230 x 22 x 7227(SM490YB)
 1-Rib PL 230 x 22 x 7235(SM490YB)
 1-Rib PL 230 x 22 x 7243(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 2.3 x 165(SS400)
 6-Fill PL 305 x 2.3 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>**
 1-Rib PL 230 x 22 x 7219(SM490YB)
 <1>1-Rib PL 230 x 22 x 7235(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 3-Spl PL 656 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 4.5 x 240(SS400)
 6-TCB M22 x 70(S10T)
 108-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)

- <1>1-V.Stiff PL 140 x 12 x 2300
 <2>1-V.Stiff PL 140 x 12 x 2297
 <3>1-V.Stiff PL 140 x 12 x 2295
 <4>2-H.Stiff PL 140 x 12 x 411
 <5>1-H.Stiff PL 140 x 12 x 1365
 <6>1-H.Stiff PL 140 x 12 x 1363
 <7>2-H.Stiff PL 140 x 12 x 1297
 1-Spl PL 2199 x 9 x 480(SM490YA)
 1-Spl PL 2199 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

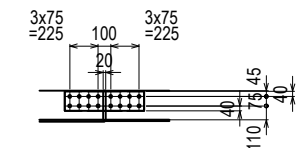
- <1>1-V.Stiff PL 140 x 12 x 2412
 <2>1-V.Stiff PL 140 x 12 x 2415
 <3>1-V.Stiff PL 140 x 12 x 2418
 <4>2-H.Stiff PL 140 x 12 x 416
 <5>1-H.Stiff PL 140 x 12 x 1374
 <6>1-H.Stiff PL 140 x 12 x 1373
 <7>2-H.Stiff PL 140 x 12 x 1307
 1-Spl PL 2331 x 9 x 480(SM490YA)
 1-Spl PL 2331 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

Top Long Rib Joint J13
(Numbers : 5)

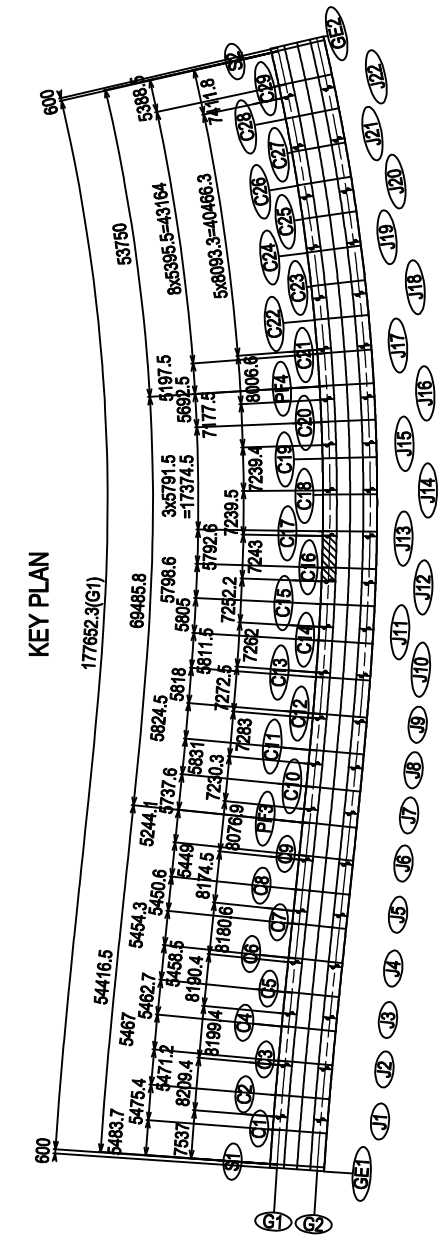


2-Spl PL 155 x 19 x 630(SM490YB)
16-TCB M22 x 95(S10T)

Bot Long Rib Joint J13
(Numbers : 2)



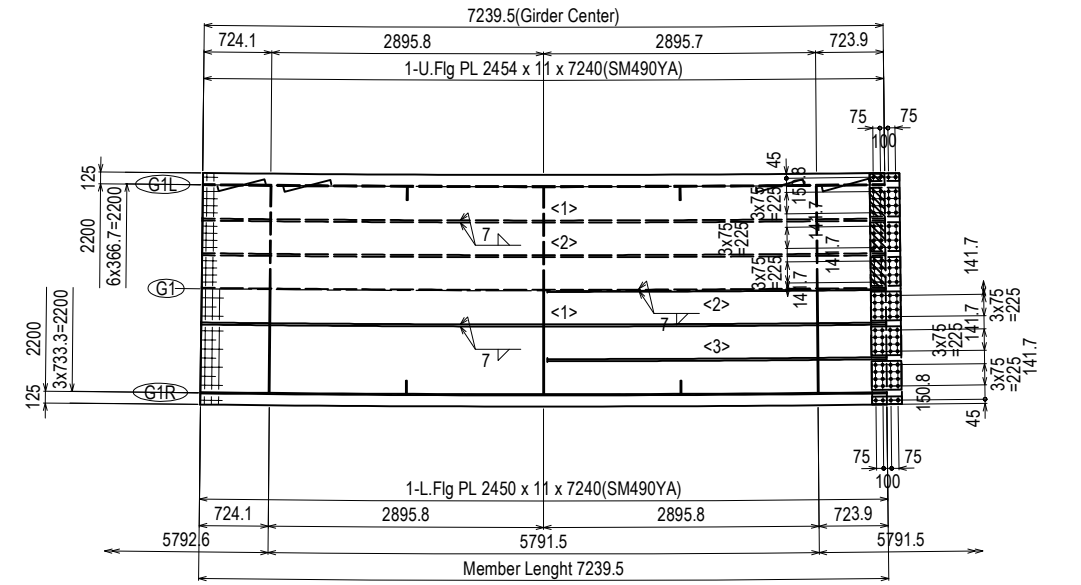
2-Spl PL 155 x 22 x 630(SM490YB)
16-TCB M22 x 105(S10T)



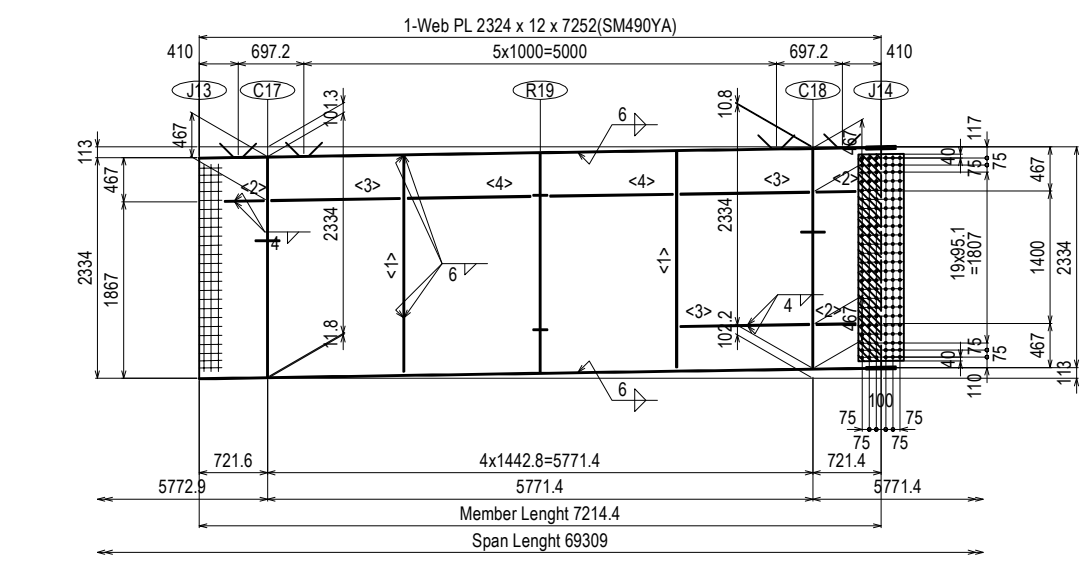
- Note**
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY Y. SUZUKI</td> <td></td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY Y. SUZUKI		14 Jul. 2017	CHECKED BY T. HAYAKAWA		20 Jul. 2017	APPROVED BY Y. SANO		25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (13)	PACKAGE 3 DWG No. P3-FO-1422
NAME	SIGNATURE	DATE																
PREPARED BY Y. SUZUKI		14 Jul. 2017																
CHECKED BY T. HAYAKAWA		20 Jul. 2017																
APPROVED BY Y. SANO		25 Jul. 2017																

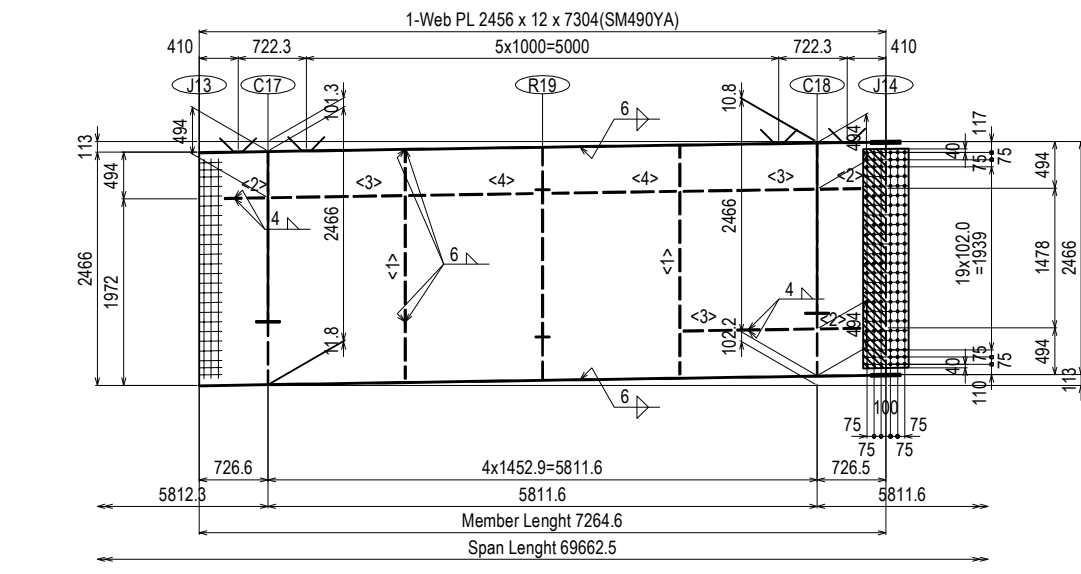
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (14) S=1:80



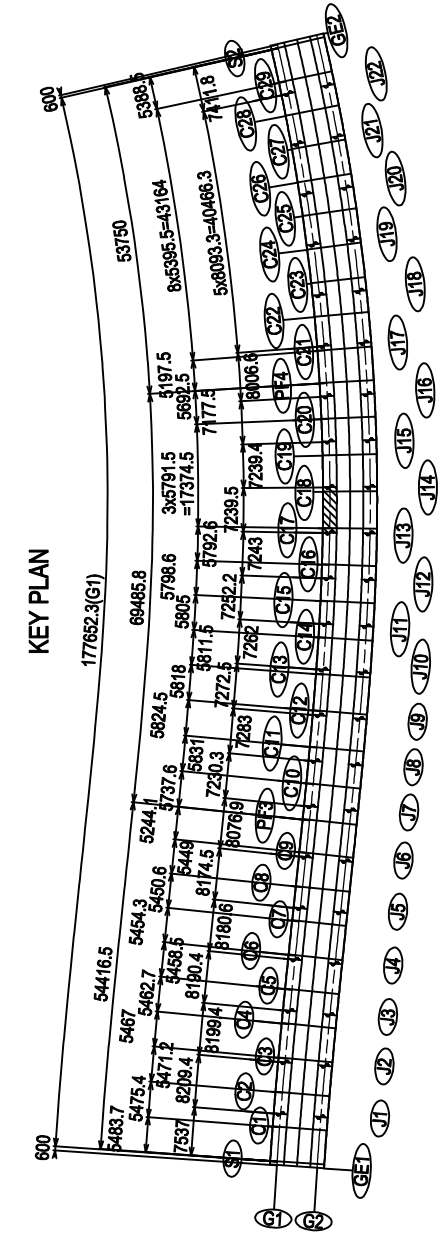
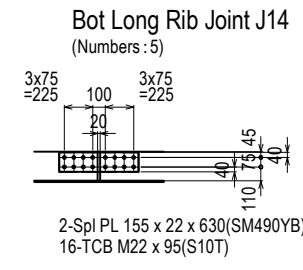
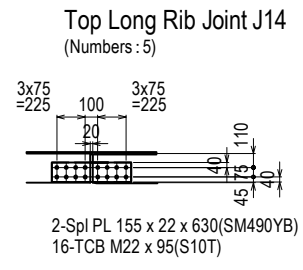
- <Upper Flg>**
 16-RB φ16 x 600(SS400)
 <1>1-Rib PL 230 x 22 x 7207(SM490YB)
 <2>1-Rib PL 230 x 22 x 7215(SM490YB)
 1-Rib PL 230 x 22 x 7224(SM490YB)
 1-Rib PL 230 x 22 x 7232(SM490YB)
 1-Rib PL 230 x 22 x 7240(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 6 x 165(SS400)
 6-Fill PL 305 x 6 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>**
 1-Rib PL 230 x 22 x 7215(SM490YB)
 <1>1-Rib PL 230 x 22 x 7232(SM490YB)
 1-Rib PL 230 x 22 x 3566(SM490YB)
 <2>1-Rib PL 230 x 22 x 3574(SM490YB)
 <3>1-Rib PL 230 x 22 x 3582(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 4-TCB M22 x 65(S10T)
 96-TCB M22 x 65(S10T)
 4-TCB M22 x 65(S10T)



- <1>2-V.Stiff PL 140 x 12 x 2296
 <2>3-H.Stiff PL 140 x 12 x 412
 <3>3-H.Stiff PL 140 x 12 x 1363
 <4>2-H.Stiff PL 140 x 12 x 1297
 1-Spl PL 2194 x 9 x 480(SM490YA)
 1-Spl PL 2194 x 9 x 480(SM490YA)
 1-Fill PL 2191 x 2.3 x 240(SS400)
 144-TCB M22 x 70(S10T)



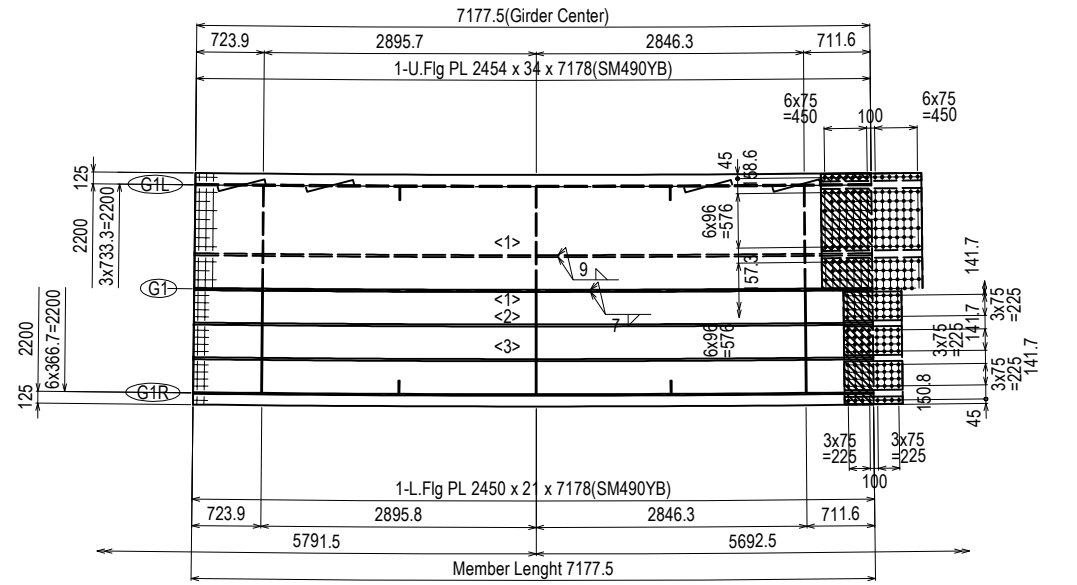
- <1>2-V.Stiff PL 140 x 12 x 2420
 <2>3-H.Stiff PL 140 x 12 x 417
 <3>3-H.Stiff PL 140 x 12 x 1373
 <4>2-H.Stiff PL 140 x 12 x 1307
 1-Spl PL 2326 x 9 x 480(SM490YA)
 1-Spl PL 2326 x 9 x 480(SM490YA)
 1-Fill PL 2323 x 2.3 x 240(SS400)
 144-TCB M22 x 70(S10T)



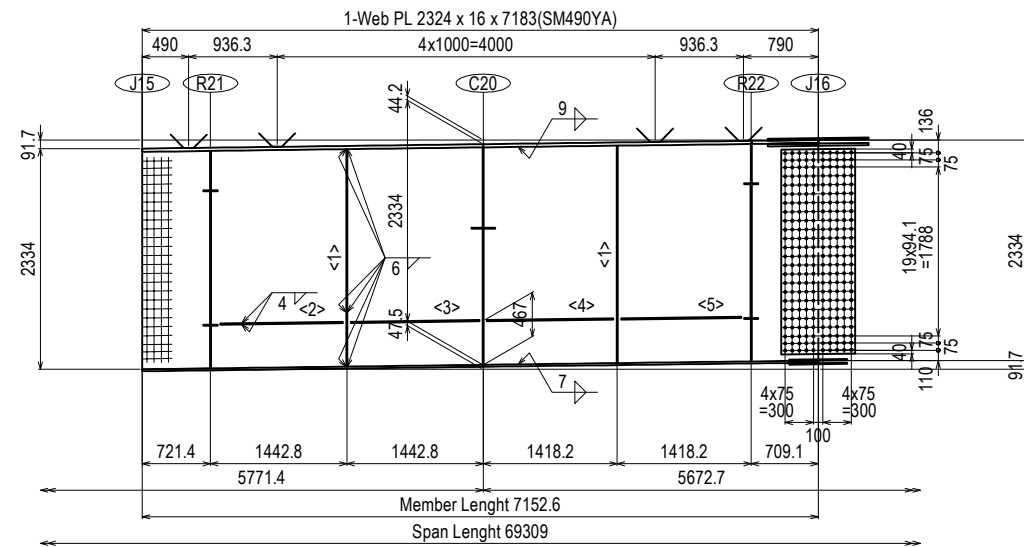
Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY Y. SUZUKI</td> <td></td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY Y. SUZUKI		14 Jul. 2017	CHECKED BY T. HAYAKAWA		20 Jul. 2017	APPROVED BY Y. SANO		25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (14)	PACKAGE 3 DWG No. P3-FO-1423
NAME	SIGNATURE	DATE																
PREPARED BY Y. SUZUKI		14 Jul. 2017																
CHECKED BY T. HAYAKAWA		20 Jul. 2017																
APPROVED BY Y. SANO		25 Jul. 2017																

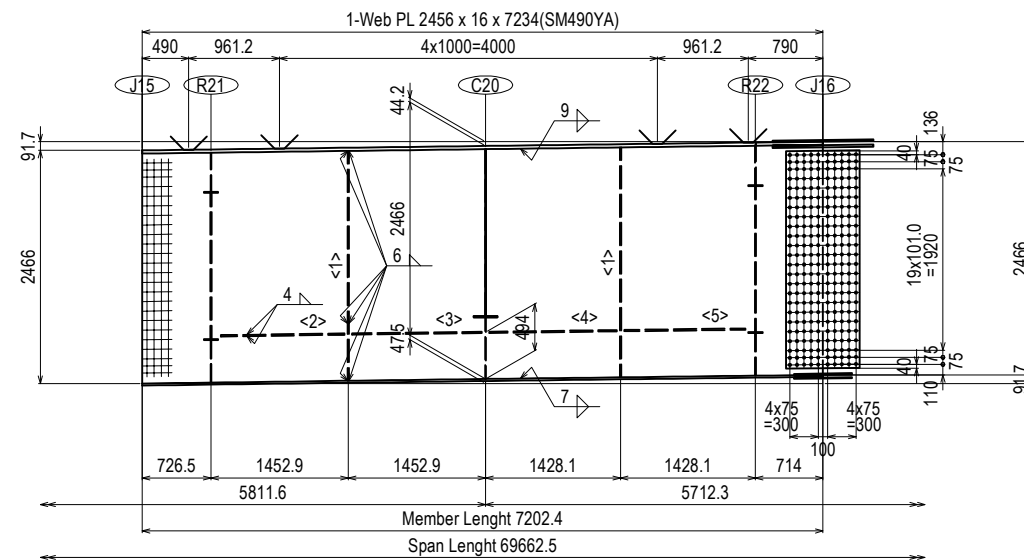
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (16) S=1:80



- <Upper Flg>
 14-RB φ16 x 600(SS400)
 <1>1-Rib PL 230 x 22 x 7152(SM490YB)
 1-Rib PL 230 x 22 x 7169(SM490YB)
 1-Spl PL 80 x 25 x 1080(SM490YB)
 3-Spl PL 656 x 25 x 1080(SM490YB)
 1-Spl PL 80 x 25 x 1080(SM490YB)
 1-Spl PL 2440 x 19 x 1080(SM490YB)
 2-Fill PL 80 x 2.3 x 540(SS400)
 3-Fill PL 656 x 2.3 x 540(SS400)
 14-TCB M22 x 115(S10T)
 276-TCB M22 x 115(S10T)
 14-TCB M22 x 115(S10T)
- <Lower Flg>
 1-Rib PL 230 x 22 x 7144(SM490YB)
 1-Rib PL 230 x 22 x 7152(SM490YB)
 <1>1-Rib PL 230 x 22 x 7161(SM490YB)
 <2>1-Rib PL 230 x 22 x 7169(SM490YB)
 <3>1-Rib PL 230 x 22 x 7177(SM490YB)
 1-Spl PL 80 x 14 x 630(SM490YA)
 6-Spl PL 305 x 14 x 630(SM490YA)
 1-Spl PL 80 x 14 x 630(SM490YA)
 1-Spl PL 2440 x 12 x 630(SM490YA)
 1-Fill PL 2440 x 6 x 315(SS400)
 8-TCB M22 x 90(S10T)
 192-TCB M22 x 90(S10T)
 8-TCB M22 x 90(S10T)

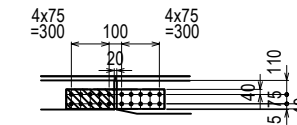


- <1>2-V.Stiff PL 140 x 12 x 2308
 <2>1-H.Stiff PL 160 x 14 x 1297
 <3>1-H.Stiff PL 160 x 14 x 1363
 <4>1-H.Stiff PL 160 x 14 x 1338
 <5>1-H.Stiff PL 160 x 14 x 1272
 1-Spl PL 2178 x 10 x 780(SM490YA)
 1-Spl PL 2178 x 10 x 780(SM490YA)
 240-TCB M22 x 75(S10T)



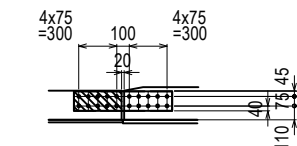
- <1>2-V.Stiff PL 140 x 12 x 2432
 <2>1-H.Stiff PL 160 x 14 x 1307
 <3>1-H.Stiff PL 160 x 14 x 1373
 <4>1-H.Stiff PL 160 x 14 x 1348
 <5>1-H.Stiff PL 160 x 14 x 1282
 1-Spl PL 2309 x 10 x 780(SM490YA)
 1-Spl PL 2309 x 10 x 780(SM490YA)
 240-TCB M22 x 75(S10T)

Top Long Rib Joint J16
(Numbers : 2)

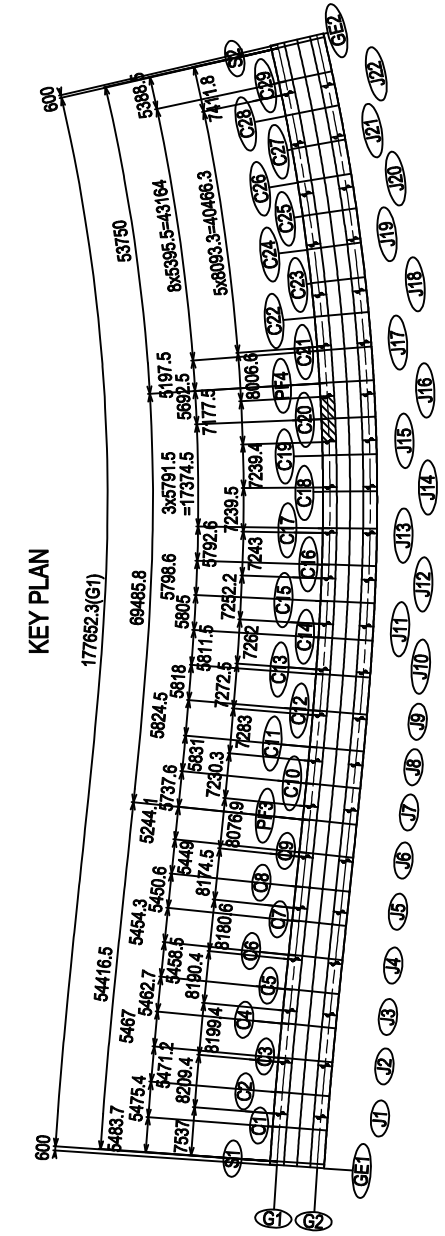


- 2-Spl PL 155 x 22 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 105(S10T)

Bot Long Rib Joint J16
(Numbers : 5)



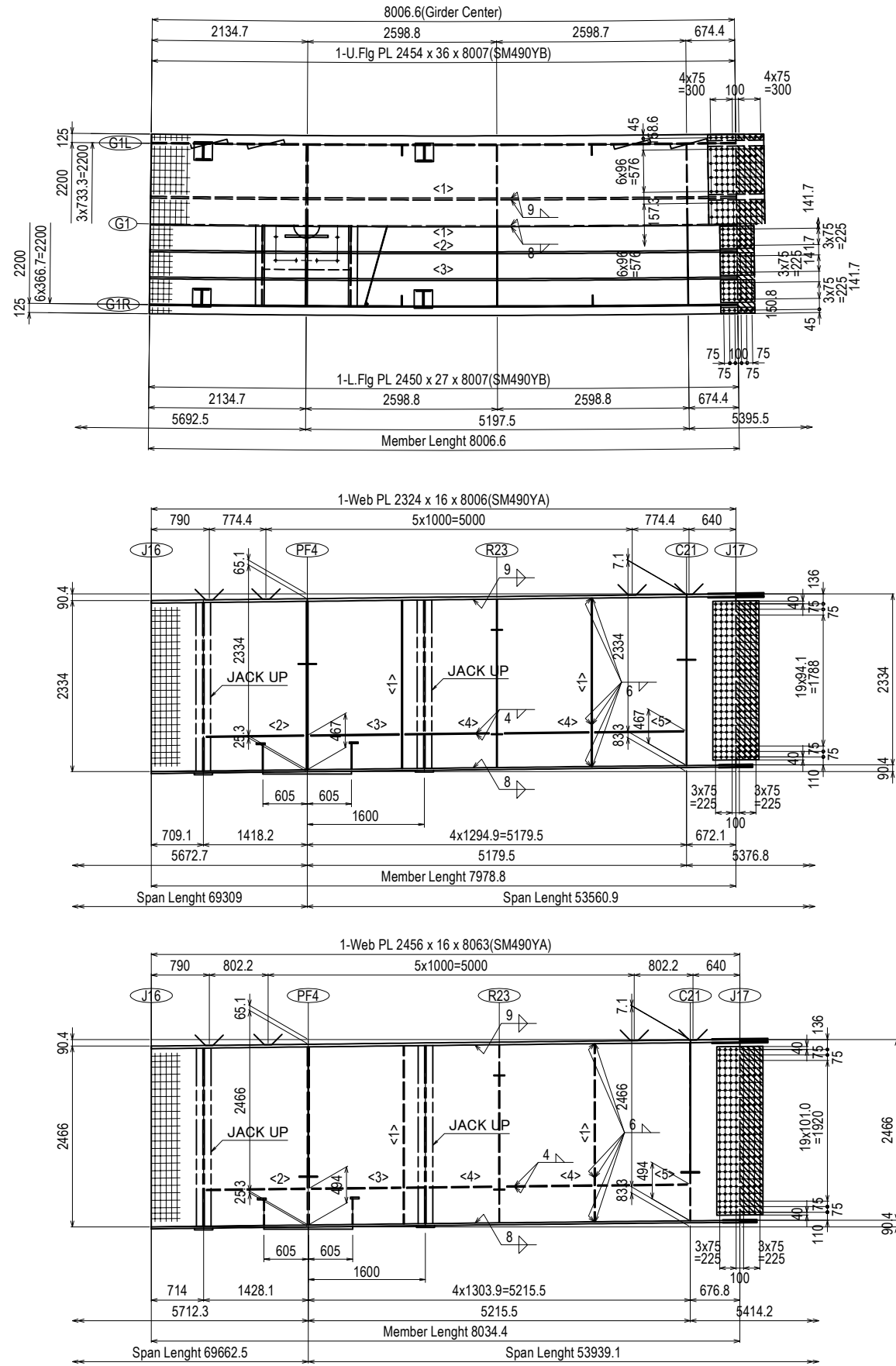
- 2-Spl PL 155 x 19 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 100(S10T)



Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>Y. SUZUKI</td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	Y. SUZUKI	14 Jul. 2017	CHECKED BY	T. HAYAKAWA	20 Jul. 2017	APPROVED BY	Y. SANO	25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (16)	PACKAGE 3 DWG No. P3-FO-1425
NAME	SIGNATURE	DATE																
PREPARED BY	Y. SUZUKI	14 Jul. 2017																
CHECKED BY	T. HAYAKAWA	20 Jul. 2017																
APPROVED BY	Y. SANO	25 Jul. 2017																

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (17) S=1:80

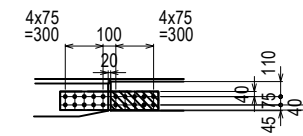


- <Upper Flg>**
 16-RB ϕ 16 x 600(SS400)
 <1>1-Rib PL 260 x 25 x 7980(SM490YB)
 1-Rib PL 260 x 25 x 7999(SM490YB)
 1-Spl PL 80 x 14 x 780(SM490YA)
 3-Spl PL 656 x 14 x 780(SM490YA)
 1-Spl PL 80 x 14 x 780(SM490YA)
 1-Spl PL 2440 x 12 x 780(SM490YA)
 2-Fill PL 80 x 16 x 390(SS400)
 3-Fill PL 656 x 16 x 390(SS400)
 10-TCB M22 x 100(S10T)
 192-TCB M22 x 100(S10T)
 10-TCB M22 x 100(S10T)
- <Lower Flg>**
 1-Rib PL 260 x 25 x 7971(SM490YB)
 1-Rib PL 260 x 25 x 7980(SM490YB)
 <1>1-Rib PL 260 x 25 x 7990(SM490YB)
 <2>1-Rib PL 260 x 25 x 7999(SM490YB)
 <3>1-Rib PL 260 x 25 x 8008(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 6-Spl PL 305 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 13 x 240(SS400)
 6-TCB M22 x 80(S10T)
 144-TCB M22 x 80(S10T)
 6-TCB M22 x 80(S10T)
 1-Sole PL 1210 x 40 x 1210(SM490B)

- <1>2-V.Stiff PL 140 x 12 x 2306
 <2>1-H.Stiff PL 160 x 14 x 1329
 <3>1-H.Stiff PL 160 x 14 x 1206
 <4>2-H.Stiff PL 160 x 14 x 1149
 <5>1-H.Stiff PL 160 x 14 x 1214
 1-Spl PL 2175 x 9 x 630(SM490YA)
 1-Spl PL 2175 x 9 x 630(SM490YA)
 1-Fill PL 2171 x 2.3 x 315(SS400)
 192-TCB M22 x 70(S10T)

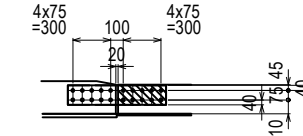
- <1>2-V.Stiff PL 140 x 12 x 2430
 <2>1-H.Stiff PL 160 x 14 x 1339
 <3>1-H.Stiff PL 160 x 14 x 1215
 <4>2-H.Stiff PL 160 x 14 x 1158
 <5>1-H.Stiff PL 160 x 14 x 1224
 1-Spl PL 2307 x 9 x 630(SM490YA)
 1-Spl PL 2307 x 9 x 630(SM490YA)
 1-Fill PL 2303 x 2.3 x 315(SS400)
 192-TCB M22 x 70(S10T)

Top Long Rib Joint J17
(Numbers : 2)

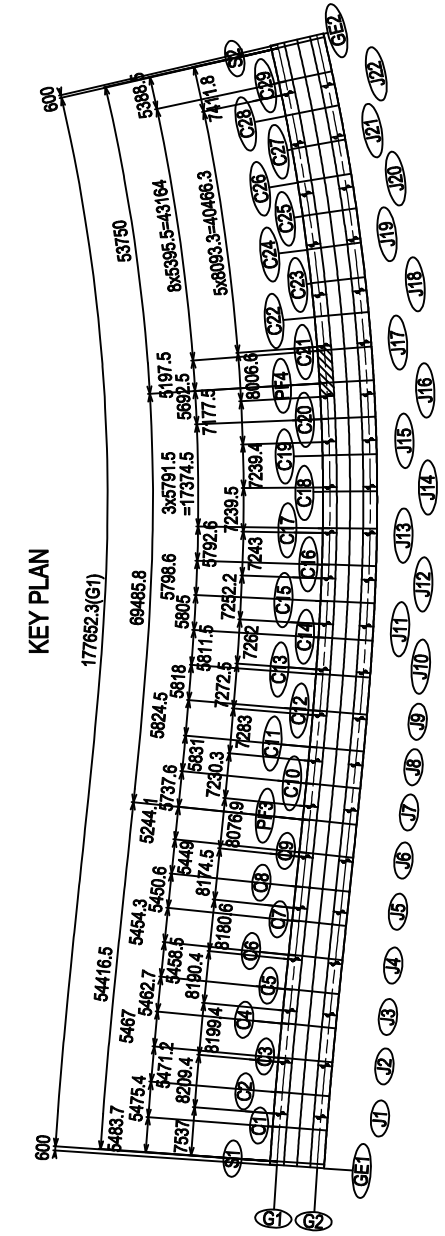


- 2-Spl PL 155 x 22 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 105(S10T)

Bot Long Rib Joint J17
(Numbers : 5)



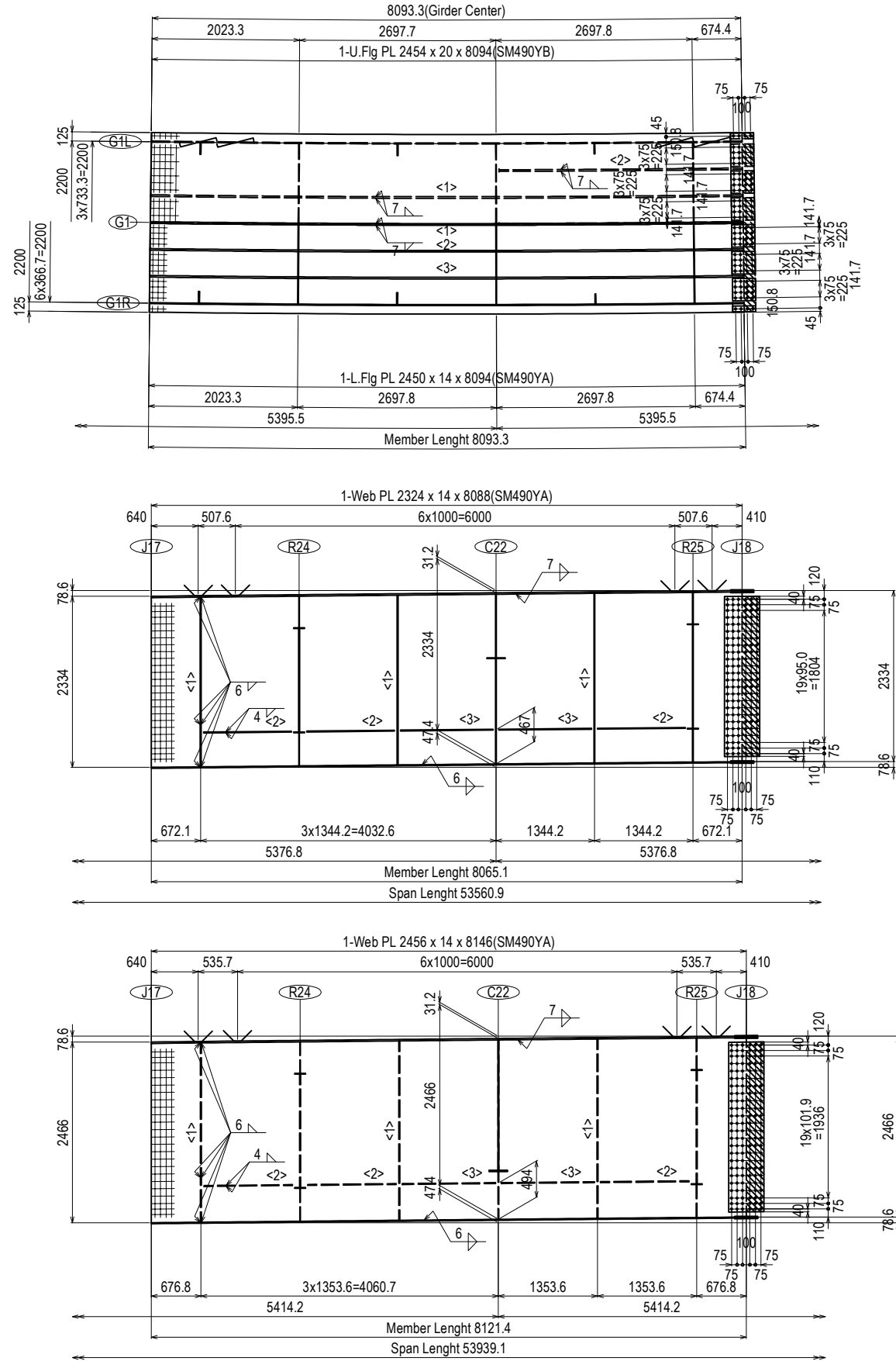
- 2-Spl PL 155 x 19 x 780(SM490YB)
 1-Fill PL 155 x 3.2 x 390(SS400)
 20-TCB M22 x 100(S10T)



Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	Y. SUZUKI				14 Jul. 2017
				CHECKED BY	T. HAYAKAWA				20 Jul. 2017
				APPROVED BY	Y. SANO				25 Jul. 2017
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (17)							DWG No.	3	
							P3-FO-1426		

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (18) S=1:80

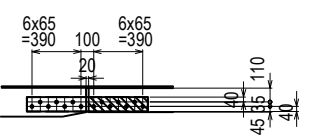


- <Upper Flg>**
 18-RB φ16 x 600(SS400)
 <1> 1-Rib PL 230 x 22 x 8066(SM490YB)
 1-Rib PL 230 x 22 x 8085(SM490YB)
 <2> 1-Rib PL 230 x 22 x 3317(SM490YB)
 1-Rib PL 230 x 22 x 3325(SM490YB)
 1-Rib PL 230 x 22 x 3333(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 9 x 165(SS400)
 6-Fill PL 305 x 9 x 165(SS400)
 4-TCB M22 x 75(S10T)
 96-TCB M22 x 75(S10T)
 4-TCB M22 x 75(S10T)
- <Lower Flg>**
 1-Rib PL 230 x 22 x 8057(SM490YB)
 1-Rib PL 230 x 22 x 8066(SM490YB)
 <1> 1-Rib PL 230 x 22 x 8075(SM490YB)
 <2> 1-Rib PL 230 x 22 x 8085(SM490YB)
 <3> 1-Rib PL 230 x 22 x 8094(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 1-Fill PL 2440 x 4.5 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)

- <1> 3-V. Stiff PL 140 x 12 x 2322
 <2> 3-H. Stiff PL 140 x 12 x 1198
 <3> 2-H. Stiff PL 140 x 12 x 1264
 1-Spl PL 2188 x 9 x 480 (SM490YA)
 1-Spl PL 2188 x 9 x 480 (SM490YA)
 1-Fill PL 2186 x 2.3 x 240 (SS400)
 144-TCB M22 x 70 (S10T)

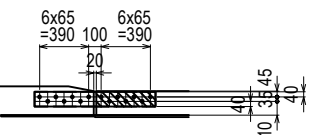
- <1> 3-V. Stiff PL 140 x 12 x 2446
 <2> 3-H. Stiff PL 140 x 12 x 1208
 <3> 2-H. Stiff PL 140 x 12 x 1273
 1-Spl PL 2320 x 9 x 480 (SM490YA)
 1-Spl PL 2320 x 9 x 480 (SM490YA)
 1-Fill PL 2318 x 2.3 x 240 (SS400)
 144-TCB M22 x 70 (S10T)

Top Long Rib Joint J18
(Numbers : 5)

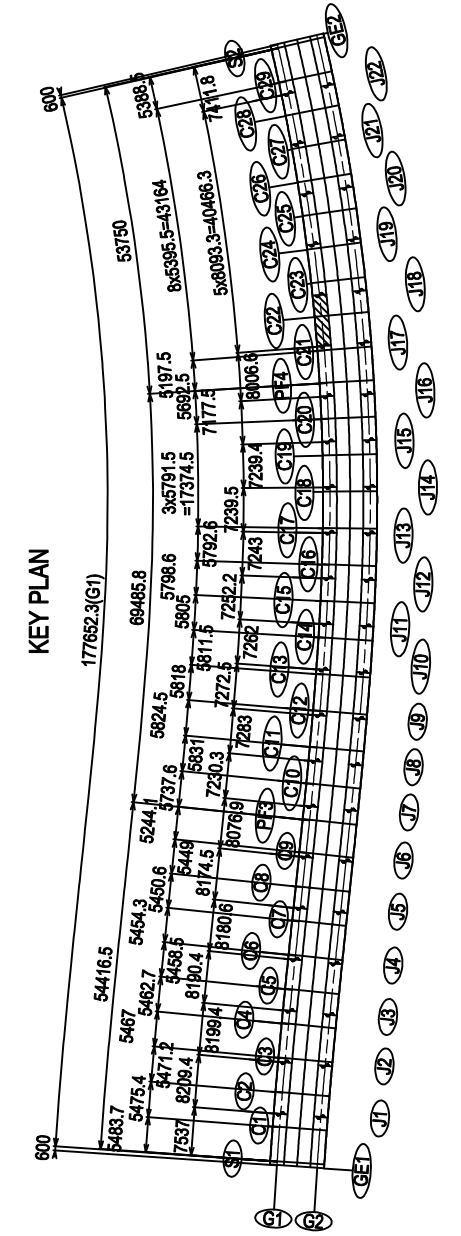


- 2-Spl PL 115 x 19 x 960(SM490YB)
 1-Fill PL 115 x 3.2 x 480(SS400)
 14-TCB M22 x 95(S10T)

Bot Long Rib Joint J18
(Numbers : 5)



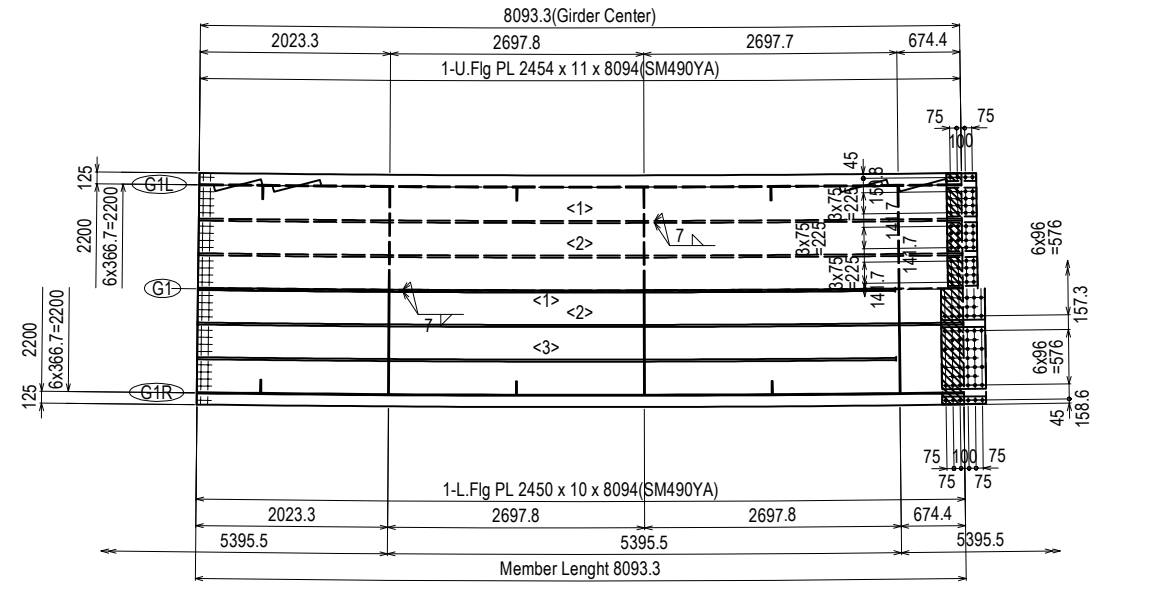
- 2-Spl PL 115 x 19 x 960(SM490YB)
 1-Fill PL 115 x 3.2 x 480(SS400)
 14-TCB M22 x 95(S10T)



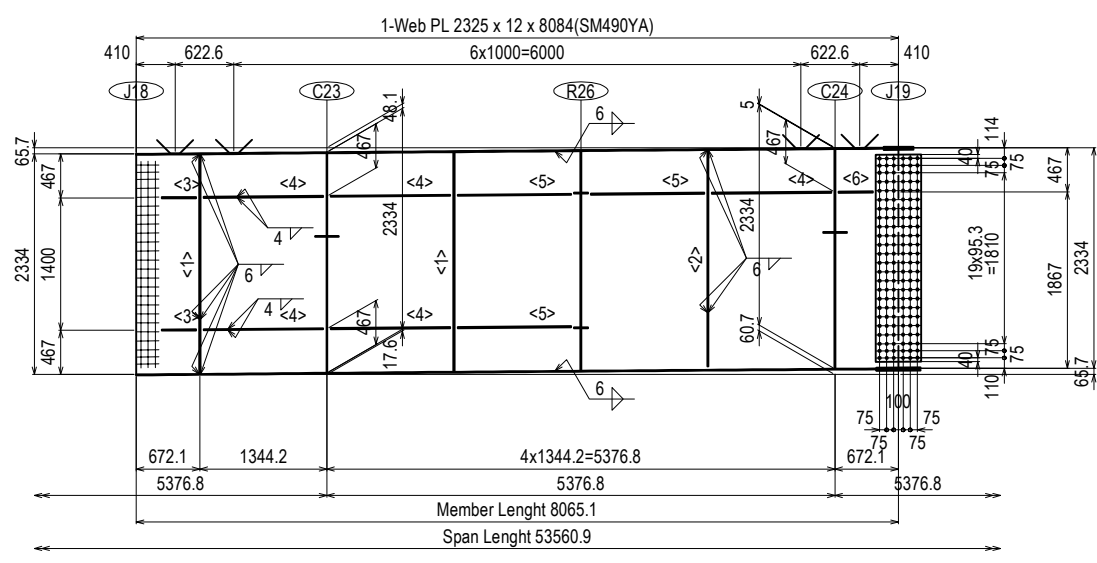
- Note**
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>Y. SUZUKI</td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	Y. SUZUKI	14 Jul. 2017	CHECKED BY	T. HAYAKAWA	20 Jul. 2017	APPROVED BY	Y. SANO	25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (18)	PACKAGE 3 DWG No. P3-FO-1427
NAME	SIGNATURE	DATE																
PREPARED BY	Y. SUZUKI	14 Jul. 2017																
CHECKED BY	T. HAYAKAWA	20 Jul. 2017																
APPROVED BY	Y. SANO	25 Jul. 2017																

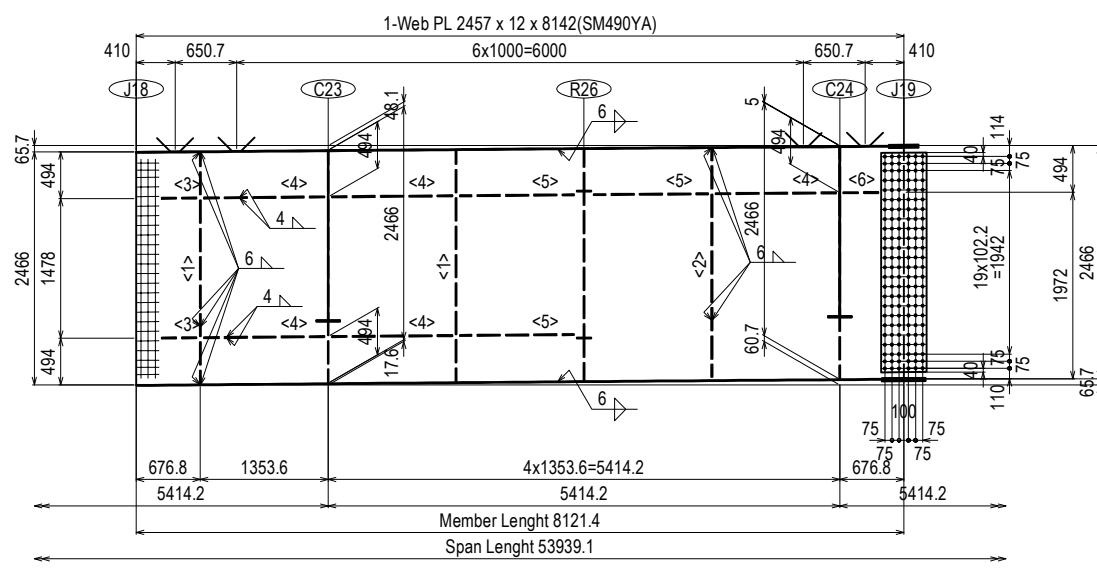
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (19) S=1:80



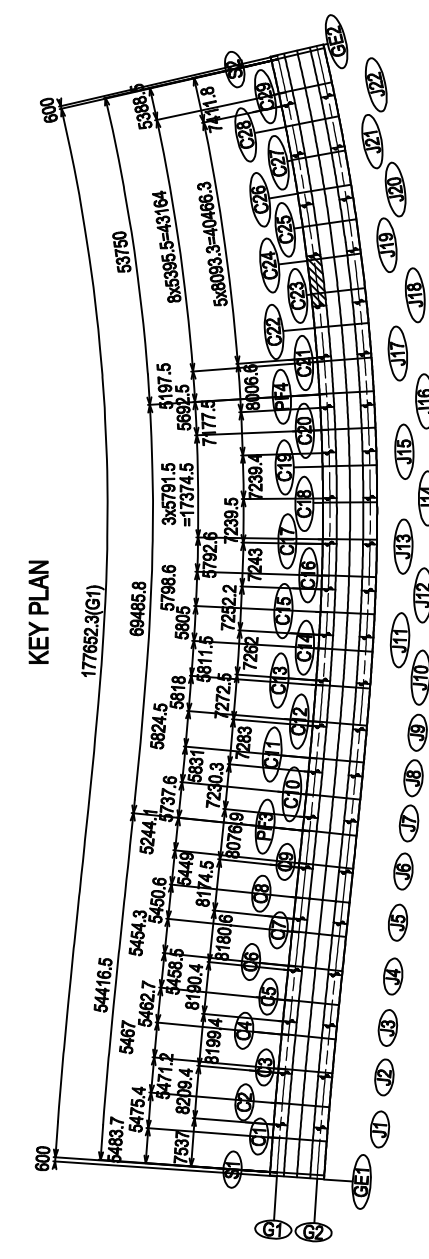
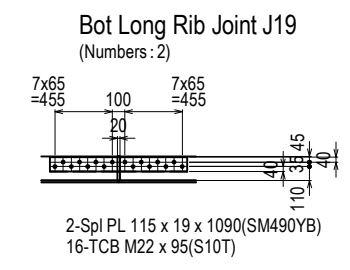
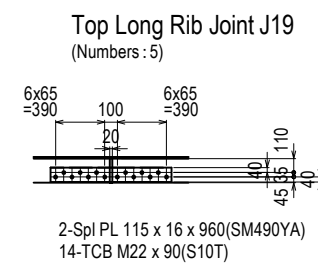
- <Upper Flg>
- 18-RB φ16 x 600(SS400)
 - <1>1-Rib PL 190 x 19 x 8056(SM490YB)
 - <2>1-Rib PL 190 x 19 x 8066(SM490YB)
 - 1-Rib PL 190 x 19 x 8075(SM490YB)
 - 1-Rib PL 190 x 19 x 8084(SM490YB)
 - 1-Rib PL 190 x 19 x 8094(SM490YB)
 - 1-Spl PL 80 x 9 x 330(SM490YA)
 - 6-Spl PL 305 x 9 x 330(SM490YA)
 - 1-Spl PL 80 x 9 x 330(SM490YA)
 - 1-Spl PL 2440 x 9 x 330(SM490YA)
 - 2-Fill PL 80 x 3.2 x 165(SS400)
 - 6-Fill PL 305 x 3.2 x 165(SS400)
 - 4-TCB M22 x 70(S10T)
 - 96-TCB M22 x 70(S10T)
 - 4-TCB M22 x 70(S10T)
- <Lower Flg>
- 1-Rib PL 190 x 19 x 7354(SM490YB)
 - 1-Rib PL 190 x 19 x 8066(SM490YB)
 - <1>1-Rib PL 190 x 19 x 7371(SM490YB)
 - <2>1-Rib PL 190 x 19 x 8084(SM490YB)
 - <3>1-Rib PL 190 x 19 x 7388(SM490YB)
 - 1-Spl PL 80 x 9 x 480(SM490YA)
 - 3-Spl PL 656 x 9 x 480(SM490YA)
 - 1-Spl PL 80 x 9 x 480(SM490YA)
 - 1-Spl PL 2440 x 9 x 480(SM490YA)
 - 1-Fill PL 2440 x 6 x 240(SS400)
 - 6-TCB M22 x 70(S10T)
 - 108-TCB M22 x 70(S10T)
 - 6-TCB M22 x 70(S10T)



- <1>2-V.Stiff PL 140 x 12 x 2331
- <2>1-V.Stiff PL 140 x 12 x 2296
- <3>2-H.Stiff PL 140 x 12 x 361
- <4>5-H.Stiff PL 140 x 12 x 1264
- <5>3-H.Stiff PL 140 x 12 x 1198
- <6>1-H.Stiff PL 140 x 12 x 363
- 1-Spl PL 2194 x 9 x 480(SM490YA)
- 1-Spl PL 2194 x 9 x 480(SM490YA)
- 144-TCB M22 x 65(S10T)



- <1>2-V.Stiff PL 140 x 12 x 2455
- <2>1-V.Stiff PL 140 x 12 x 2420
- <3>2-H.Stiff PL 140 x 12 x 366
- <4>5-H.Stiff PL 140 x 12 x 1273
- <5>3-H.Stiff PL 140 x 12 x 1208
- <6>1-H.Stiff PL 140 x 12 x 367
- 1-Spl PL 2326 x 9 x 480(SM490YA)
- 1-Spl PL 2326 x 9 x 480(SM490YA)
- 144-TCB M22 x 65(S10T)

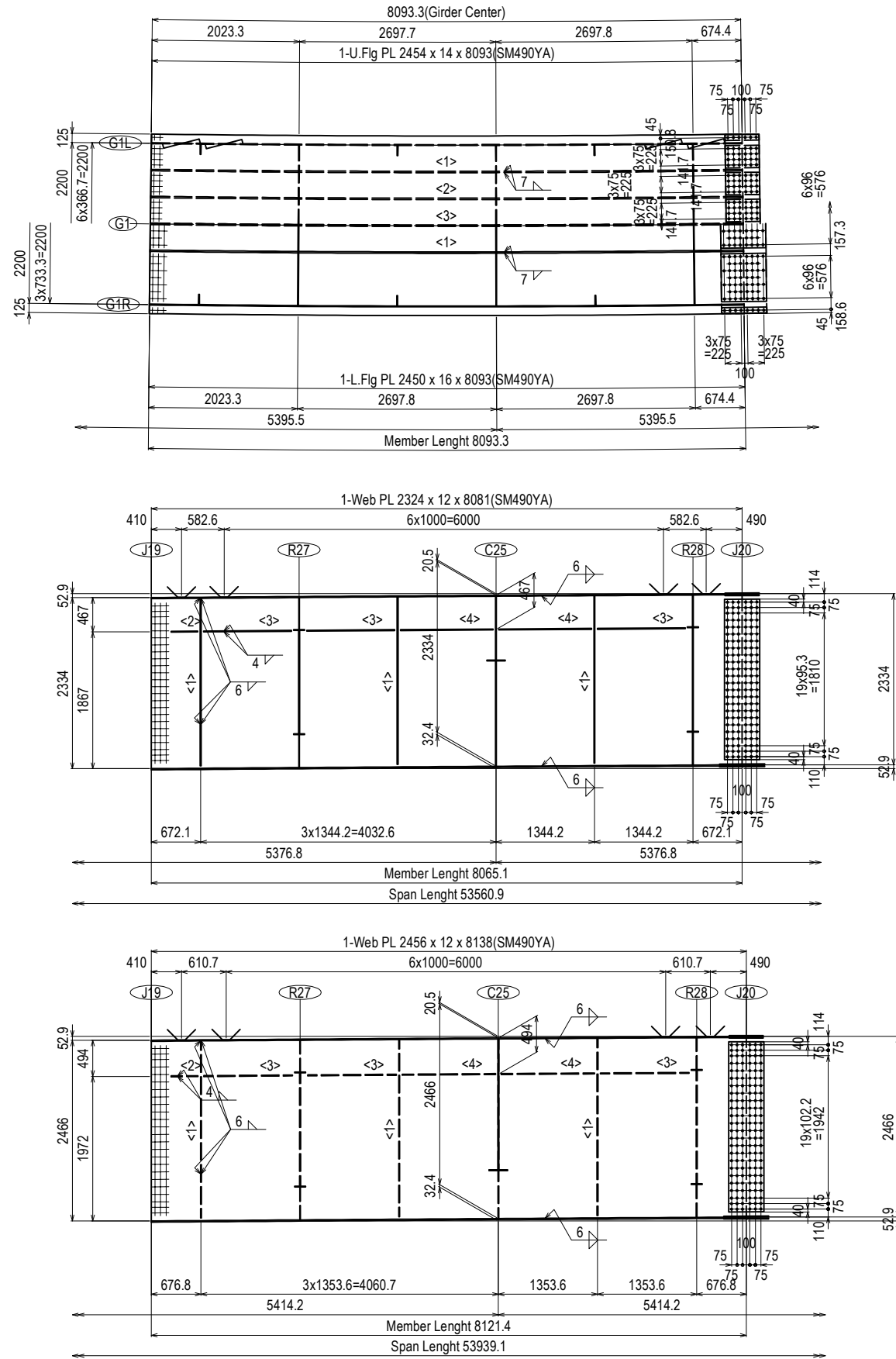


Note

1. All material without the reports is made SM400A
2. + : High-tension bolt M22 (S10T)
3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME Y. SUZUKI	SIGNATURE 	DATE 14 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (19)	PACKAGE 3 DWG No. P3-FO-1428
				PREPARED BY	T. HAYAKAWA	20 Jul. 2017		
				CHECKED BY	Y. SANO	25 Jul. 2017		

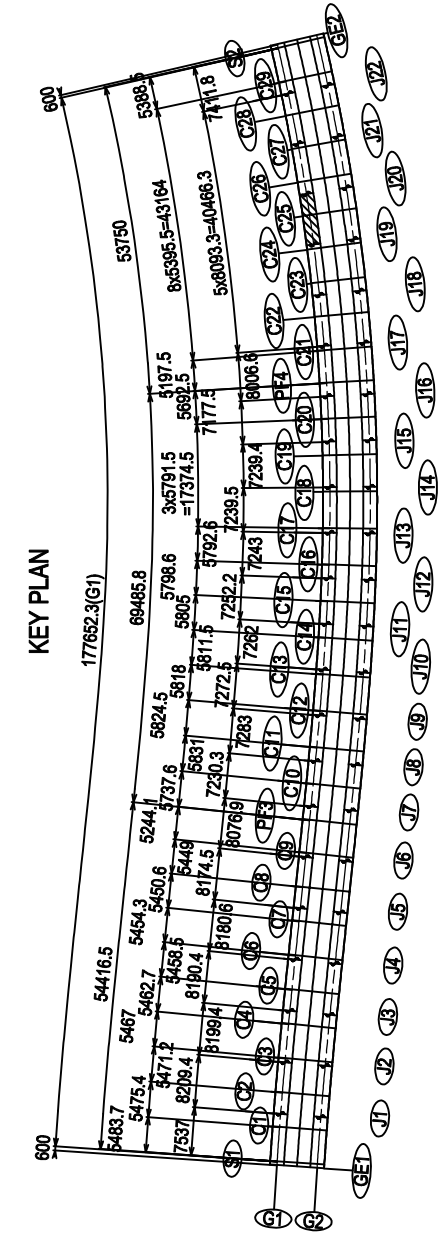
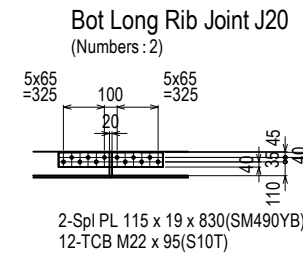
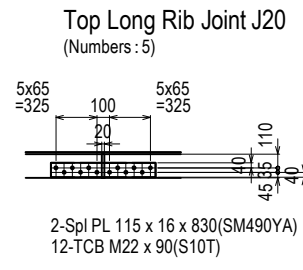
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (20) S=1:80



- <Upper Flg>**
 18-RB φ16 x 600(SS400)
 <1>1-Rib PL 190 x 19 x 8056(SM490YB)
 <2>1-Rib PL 190 x 19 x 8065(SM490YB)
 <3>1-Rib PL 190 x 19 x 8074(SM490YB)
 1-Rib PL 190 x 19 x 8084(SM490YB)
 1-Rib PL 190 x 19 x 8093(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 6-Spl PL 305 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 6-TCB M22 x 70(S10T)
 144-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)
- <Lower Flg>**
 1-Rib PL 190 x 19 x 8065(SM490YB)
 <1>1-Rib PL 190 x 19 x 8084(SM490YB)
 1-Spl PL 80 x 12 x 630(SM490YA)
 3-Spl PL 656 x 12 x 630(SM490YA)
 1-Spl PL 80 x 12 x 630(SM490YA)
 1-Spl PL 2440 x 9 x 630(SM490YA)
 8-TCB M22 x 75(S10T)
 150-TCB M22 x 75(S10T)
 8-TCB M22 x 75(S10T)

- <1>3-V.Stiff PL 140 x 12 x 2293
 <2>1-H.Stiff PL 140 x 12 x 361
 <3>3-H.Stiff PL 140 x 12 x 1198
 <4>2-H.Stiff PL 140 x 12 x 1264
 1-Spl PL 2193 x 9 x 480(SM490YA)
 1-Spl PL 2193 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

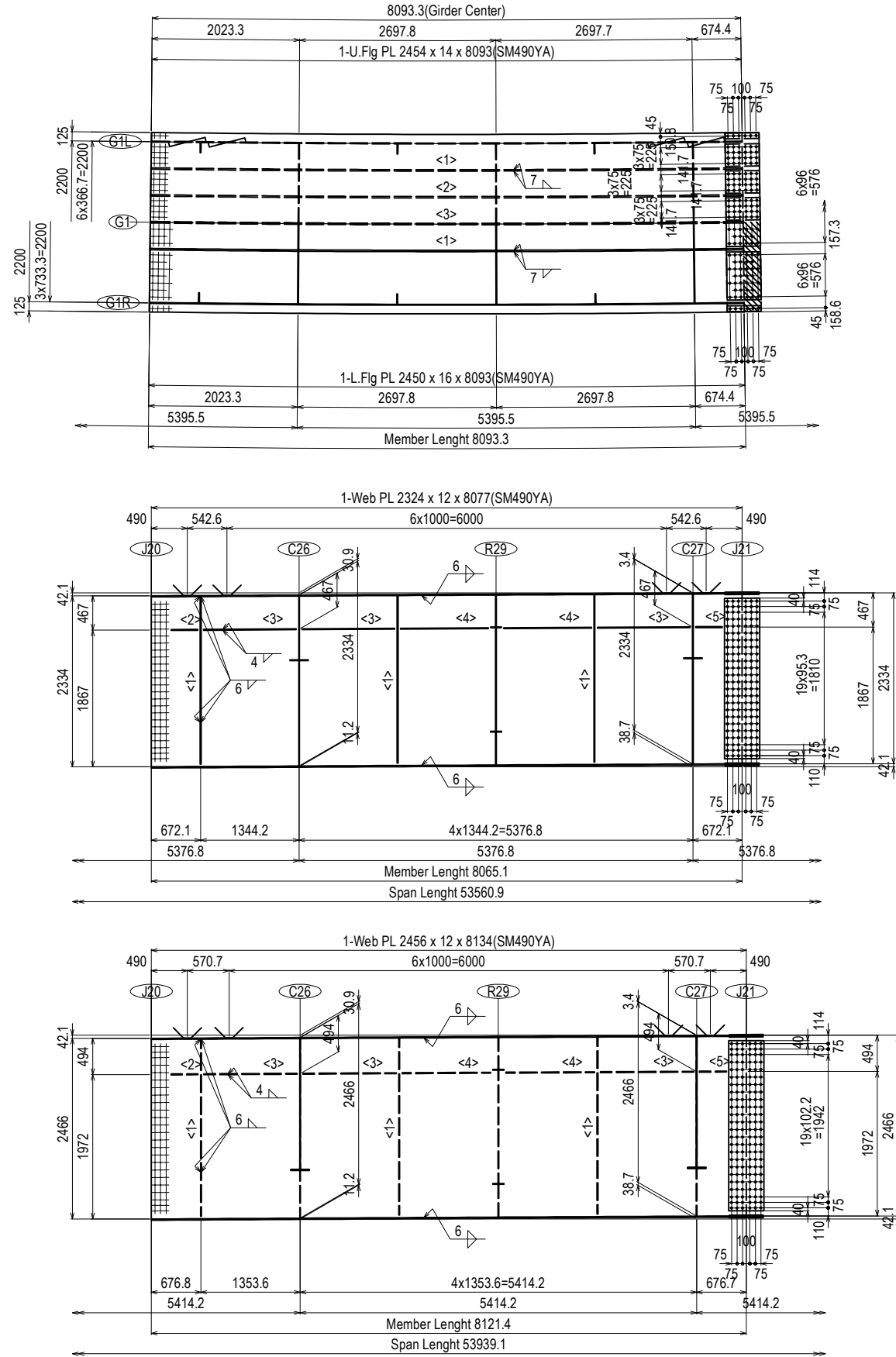
- <1>3-V.Stiff PL 140 x 12 x 2417
 <2>1-H.Stiff PL 140 x 12 x 366
 <3>3-H.Stiff PL 140 x 12 x 1208
 <4>2-H.Stiff PL 140 x 12 x 1273
 1-Spl PL 2325 x 9 x 480(SM490YA)
 1-Spl PL 2325 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY Y. SUZUKI CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE 	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (20)	PACKAGE 3 DWG No. P3-FO-1429
---	--	---	--	--	-----------------------	--	--	---------------------------------------

DETAIL OF MAIN GIRDER G1 (PF2-PF5) (21) S=1:80

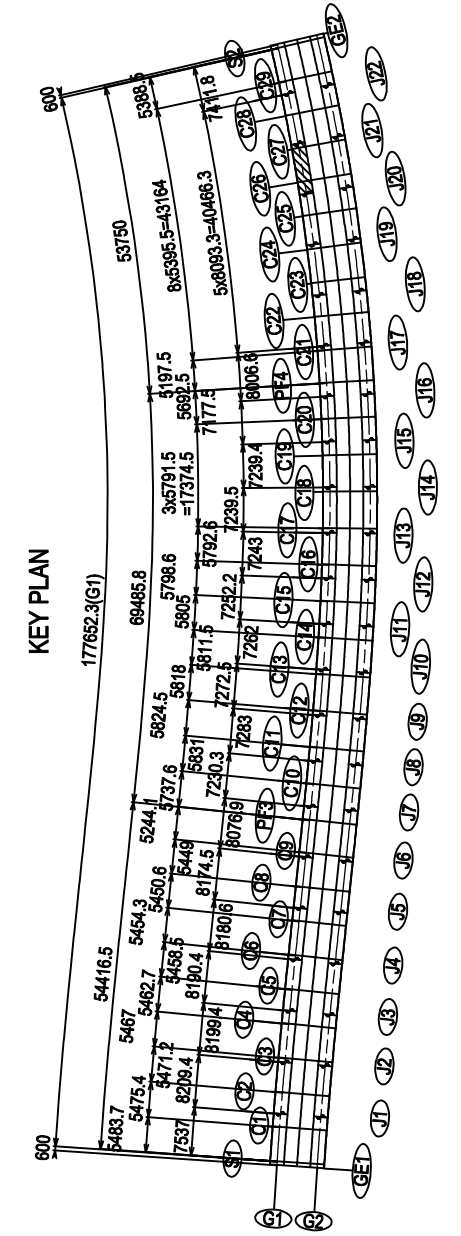
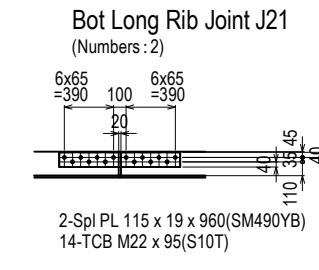
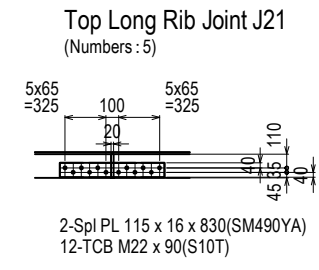


<Upper Fig>
 18-RB φ16 x 600(SS400)
 <1>1-Rib PL 190 x 19 x 8055(SM490YB)
 <2>1-Rib PL 190 x 19 x 8065(SM490YB)
 <3>1-Rib PL 190 x 19 x 8074(SM490YB)
 1-Rib PL 190 x 19 x 8083(SM490YB)
 1-Rib PL 190 x 19 x 8093(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 6-Spl PL 305 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 6-TCB M22 x 70(S10T)
 144-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)

<Lower Fig>
 1-Rib PL 190 x 19 x 8065(SM490YB)
 <1>1-Rib PL 190 x 19 x 8083(SM490YB)
 1-Spl PL 80 x 10 x 480(SM490YA)
 3-Spl PL 656 x 10 x 480(SM490YA)
 1-Spl PL 80 x 10 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 2.3 x 240(SS400)
 6-TCB M22 x 70(S10T)
 108-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)

<1>3-V.Stiff PL 140 x 12 x 2293
 <2>1-H.Stiff PL 140 x 12 x 361
 <3>3-H.Stiff PL 140 x 12 x 1264
 <4>2-H.Stiff PL 140 x 12 x 1198
 <5>1-H.Stiff PL 140 x 12 x 363
 1-Spl PL 2192 x 9 x 480(SM490YA)
 1-Spl PL 2192 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

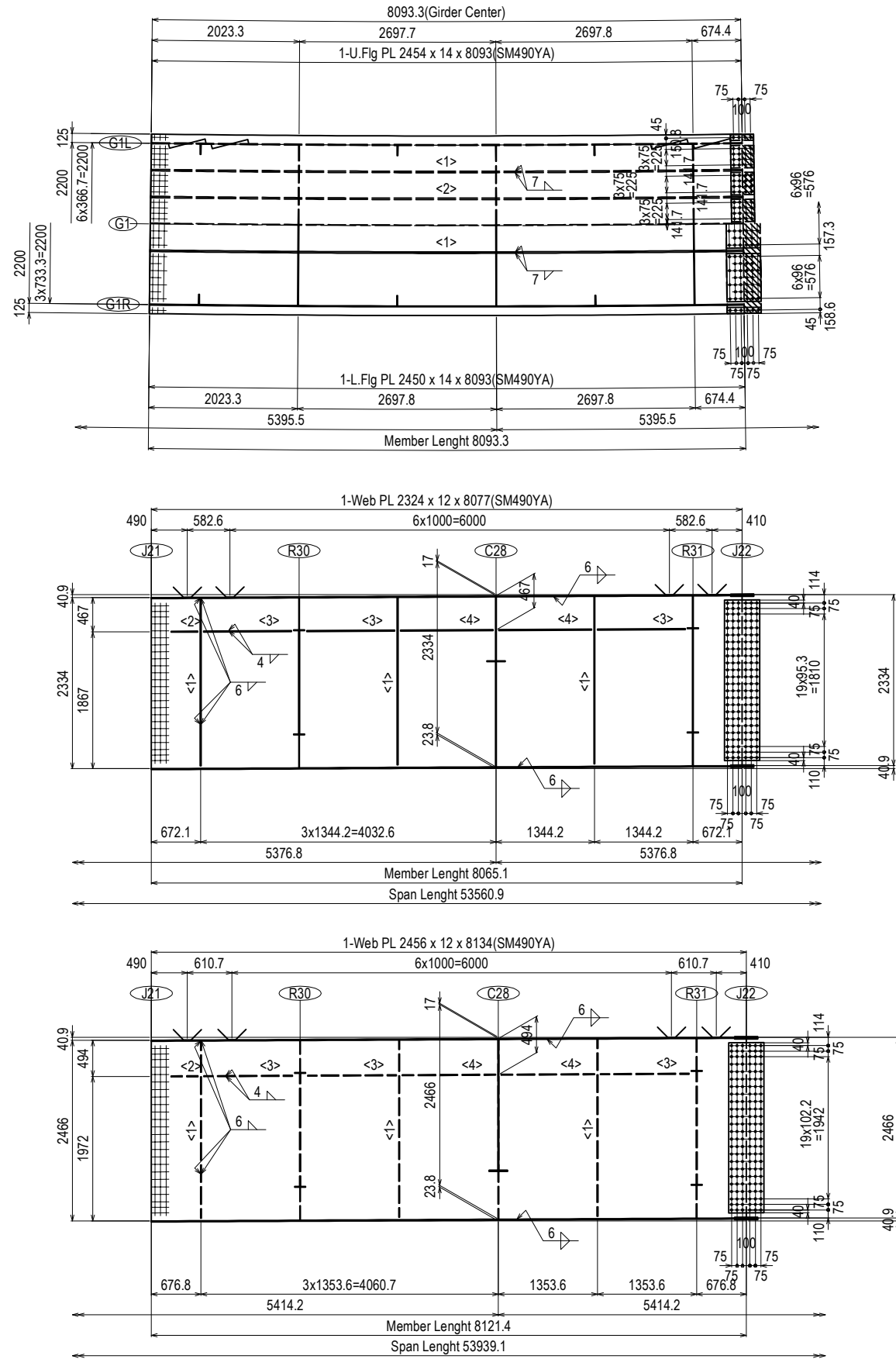
<1>3-V.Stiff PL 140 x 12 x 2417
 <2>1-H.Stiff PL 140 x 12 x 366
 <3>3-H.Stiff PL 140 x 12 x 1273
 <4>2-H.Stiff PL 140 x 12 x 1208
 <5>1-H.Stiff PL 140 x 12 x 367
 1-Spl PL 2324 x 9 x 480(SM490YA)
 1-Spl PL 2324 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>Y. SUZUKI</td> <td>14 Jul. 2017</td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td>20 Jul. 2017</td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td>25 Jul. 2017</td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	Y. SUZUKI	14 Jul. 2017	CHECKED BY	T. HAYAKAWA	20 Jul. 2017	APPROVED BY	Y. SANO	25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (21)	PACKAGE 3 DWG No. P3-FO-1430
NAME	SIGNATURE	DATE																
PREPARED BY	Y. SUZUKI	14 Jul. 2017																
CHECKED BY	T. HAYAKAWA	20 Jul. 2017																
APPROVED BY	Y. SANO	25 Jul. 2017																

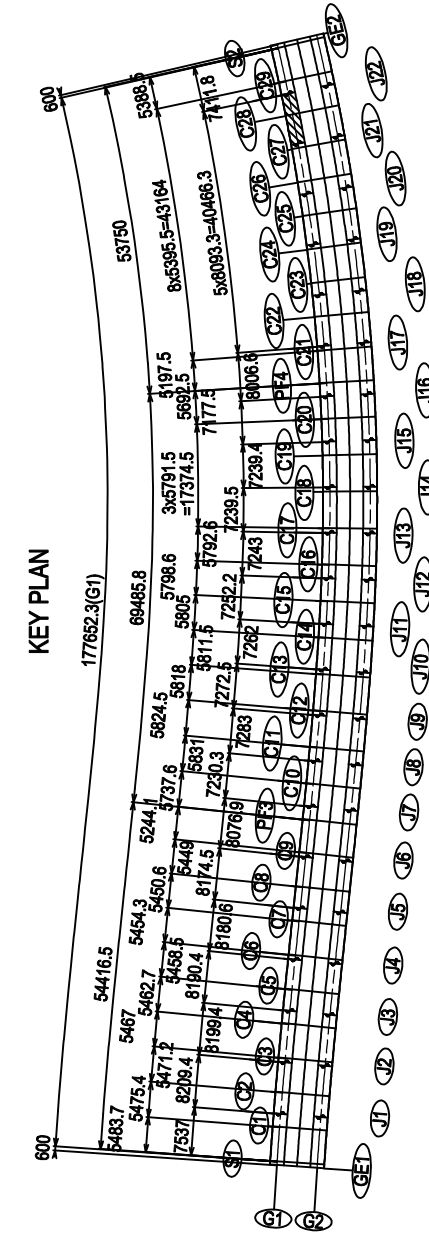
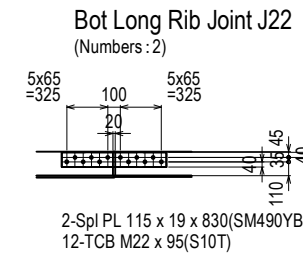
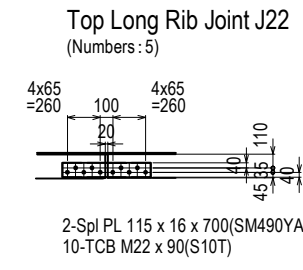
DETAIL OF MAIN GIRDER G1 (PF2-PF5) (22) S=1:80



- <Upper Flg>
 18-RB φ16 x 600(SS400)
 <1>1-Rib PL 190 x 19 x 8055(SM490YB)
 <2>1-Rib PL 190 x 19 x 8065(SM490YB)
 1-Rib PL 190 x 19 x 8074(SM490YB)
 1-Rib PL 190 x 19 x 8083(SM490YB)
 1-Rib PL 190 x 19 x 8093(SM490YB)
 1-Spl PL 80 x 9 x 330(SM490YA)
 6-Spl PL 305 x 9 x 330(SM490YA)
 1-Spl PL 80 x 9 x 330(SM490YA)
 1-Spl PL 2440 x 9 x 330(SM490YA)
 2-Fill PL 80 x 4.5 x 165(SS400)
 6-Fill PL 305 x 4.5 x 165(SS400)
 4-TCB M22 x 70(S10T)
 96-TCB M22 x 70(S10T)
 4-TCB M22 x 70(S10T)
- <Lower Flg>
 1-Rib PL 190 x 19 x 8065(SM490YB)
 <1>1-Rib PL 190 x 19 x 8083(SM490YB)
 1-Spl PL 80 x 9 x 480(SM490YA)
 3-Spl PL 656 x 9 x 480(SM490YA)
 1-Spl PL 80 x 9 x 480(SM490YA)
 1-Spl PL 2440 x 9 x 480(SM490YA)
 1-Fill PL 2440 x 4.5 x 240(SS400)
 6-TCB M22 x 70(S10T)
 108-TCB M22 x 70(S10T)
 6-TCB M22 x 70(S10T)

- <1>3-V.Stiff PL 140 x 12 x 2293
 <2>1-H.Stiff PL 140 x 12 x 361
 <3>3-H.Stiff PL 140 x 12 x 1198
 <4>2-H.Stiff PL 140 x 12 x 1264
 1-Spl PL 2192 x 9 x 480(SM490YA)
 1-Spl PL 2192 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)

- <1>3-V.Stiff PL 140 x 12 x 2417
 <2>1-H.Stiff PL 140 x 12 x 366
 <3>3-H.Stiff PL 140 x 12 x 1208
 <4>2-H.Stiff PL 140 x 12 x 1273
 1-Spl PL 2324 x 9 x 480(SM490YA)
 1-Spl PL 2324 x 9 x 480(SM490YA)
 144-TCB M22 x 65(S10T)



Note
 1. All material without the reports is made SM400A
 2. + : High-tension bolt M22 (S10T)
 3. All scar laps without the reports are made R35

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY Y. SUZUKI CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE 	DATE 14 Jul. 2017 20 Jul. 2017 25 Jul. 2017	DRAWING TITLE DETAIL OF MAIN GIRDER G1 (PF2-PF5) (22)	PACKAGE 3 DWG No. P3-FO-1431
---	--	---	--	--	-----------------------	--	--	---------------------------------------

