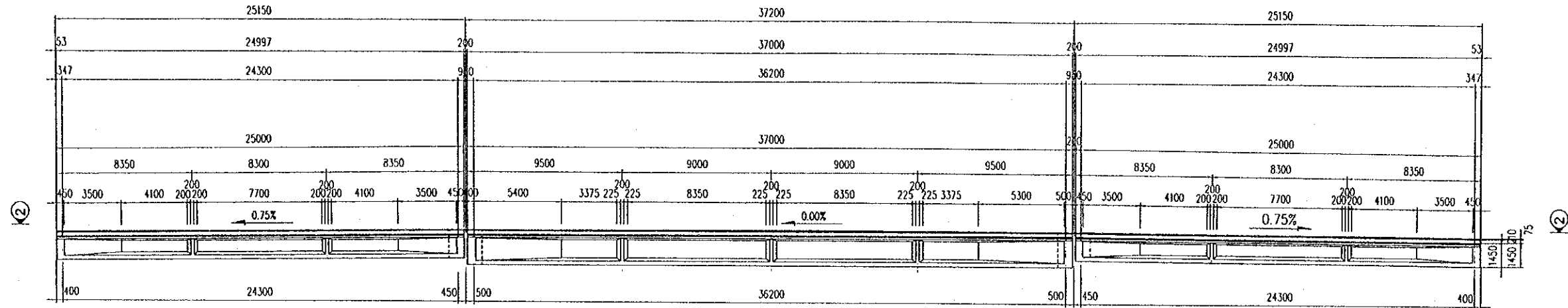


II. SUPERSTRUCTURE

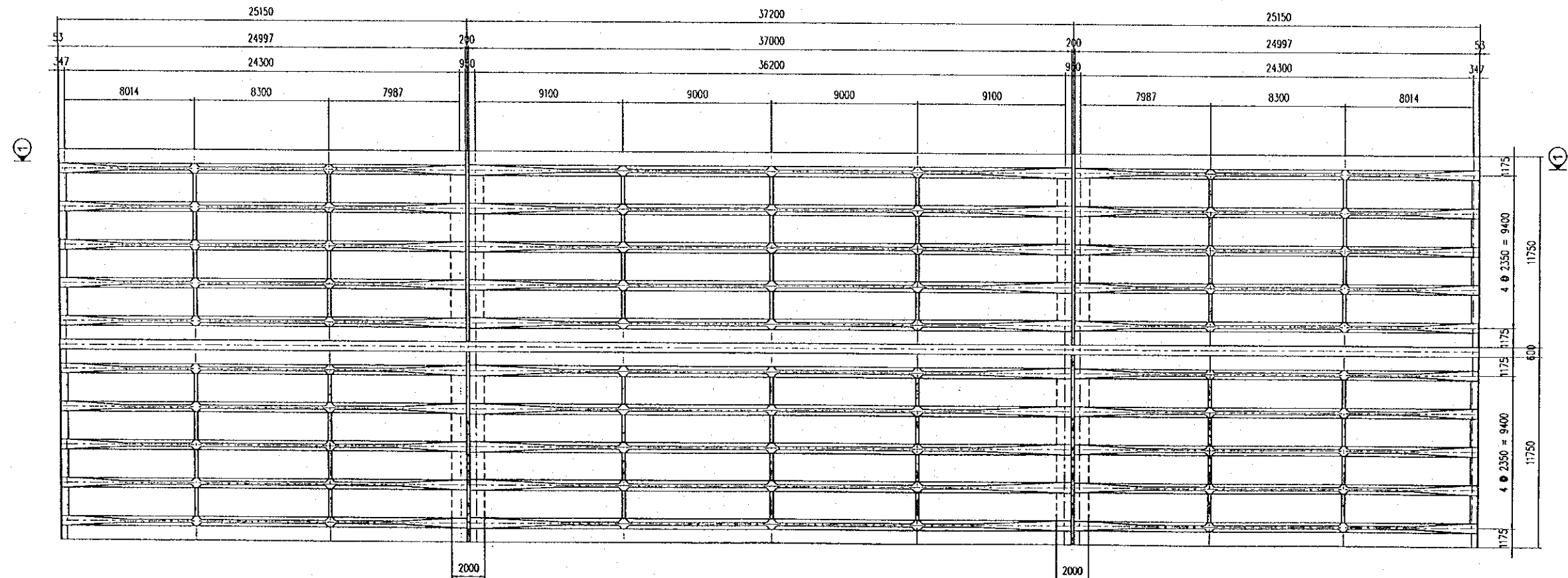
SECTION 1 - 1

(SCALE 1 : 300)



SECTION 2 - 2

(SCALE 1 : 300)



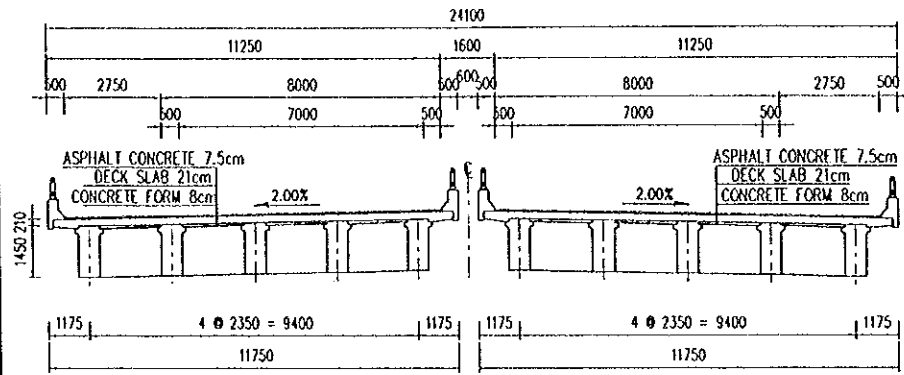
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE SUPERSTRUCTURE GIRDER LAYOUT - SHEET 1	P1/BR2/0090
				SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>		
				DATE	20/9/2000	29/9/2000		

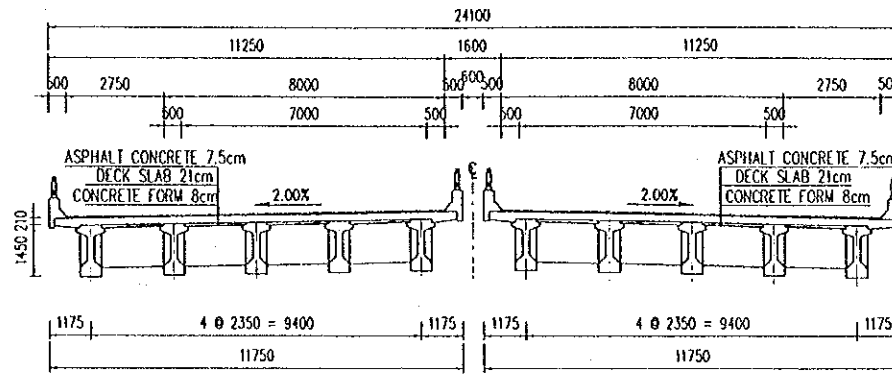
SECTION 1 - 1

(SCALE : 1:200)



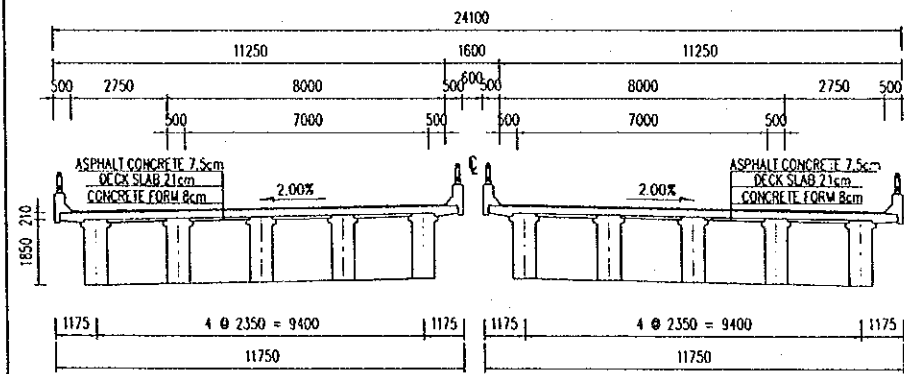
SECTION 2 - 2

(SCALE : 1:200)



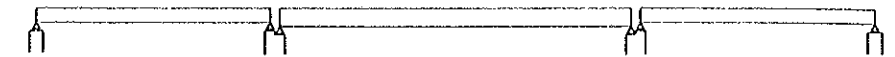
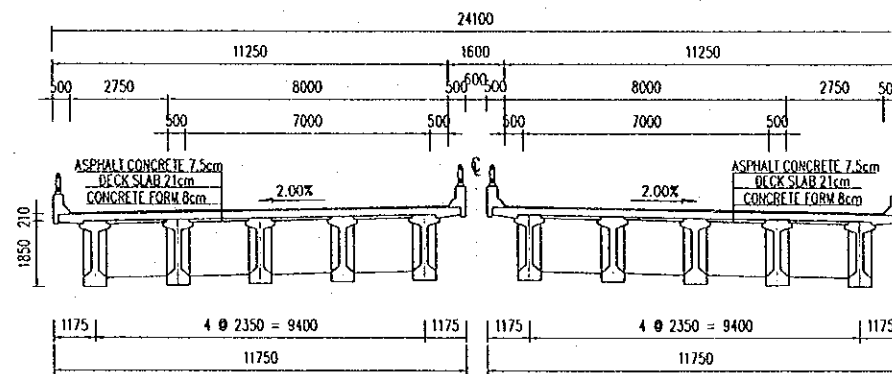
SECTION 3 - 3

(SCALE : 1:200)

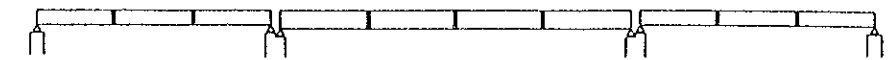


SECTION 4 - 4

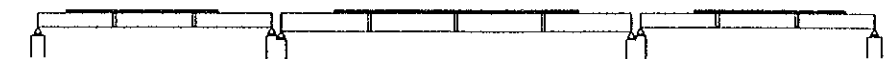
(SCALE : 1:200)



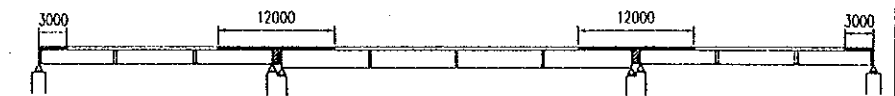
STEP - 1 ERECTION I-GIRDER



STEP - 2 CONSTRUCT INTERMEDIATE DIAPHRAGM



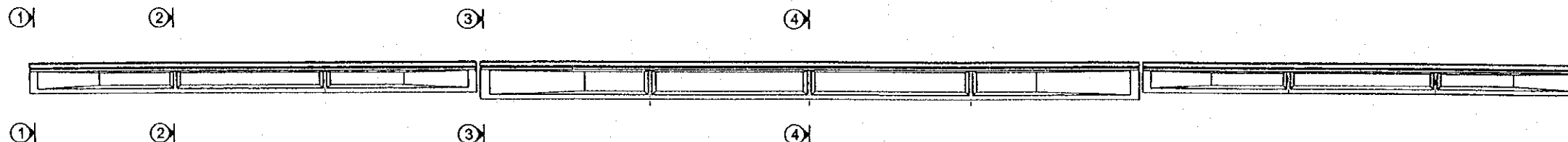
STEP - 3 CONSTRUCT SLAB EXCEPT CONNECTION



STEP - 4 CONSTRUCT CONNECTION & END DIAPHRAGM

CONSTRUCTION SEQUENCE

MARKING DIAGRAM



NOTES :

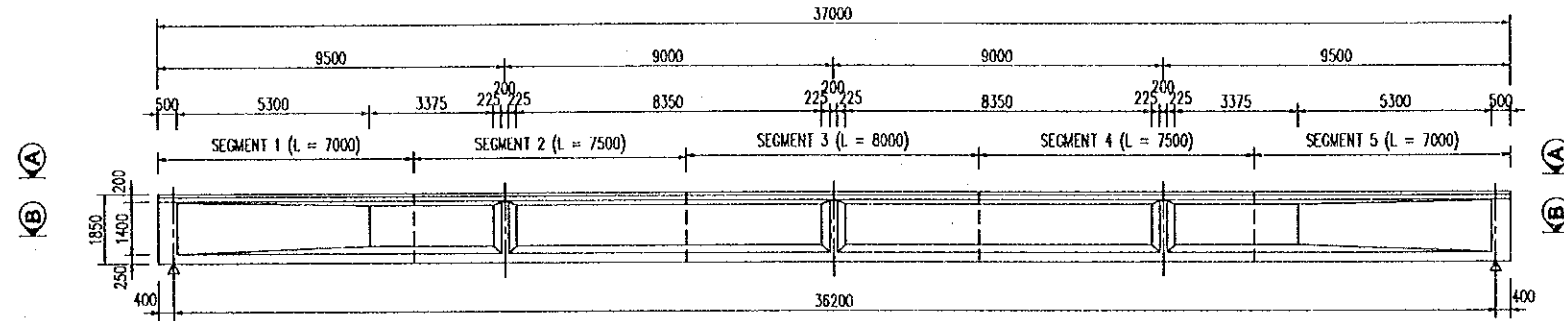
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	K. Matsumoto [Signature] 29/9/2000	K. Enomoto [Signature] 5/10/2000	SMALL TRA VA BRIDGE SUPERSTRUCTURE GIRDER LAYOUT - SHEET 2	P1/BR2/0100

DETAIL OF SUPER STRUCTURE FOR SMALL TRA VA BRIDGE
(Ls = 36.2M)

ELEVATION

(SCALE : 1:200)



1/2 SECTION A - A

(SCALE : 1:200)

1/2 SECTION B - B

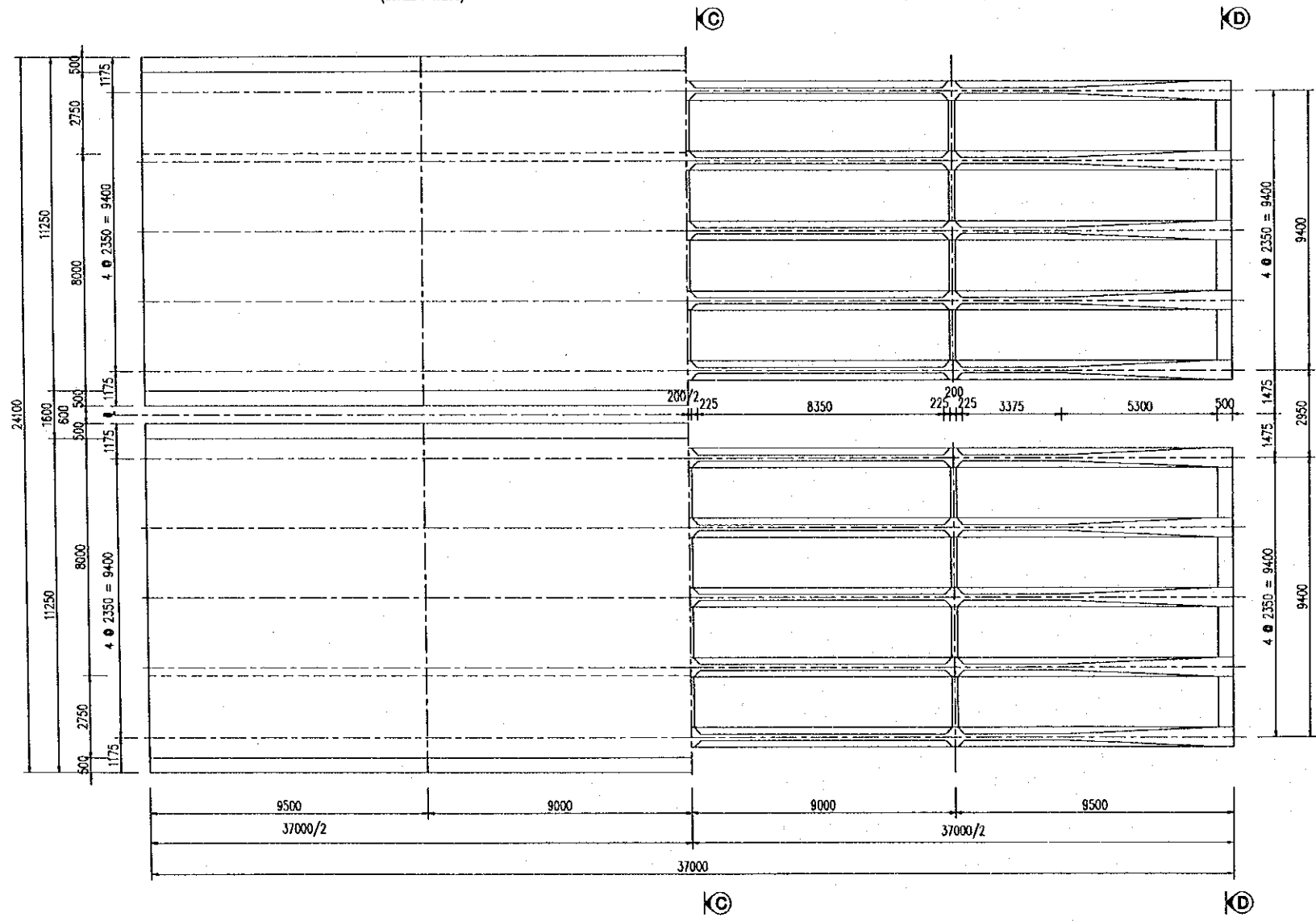
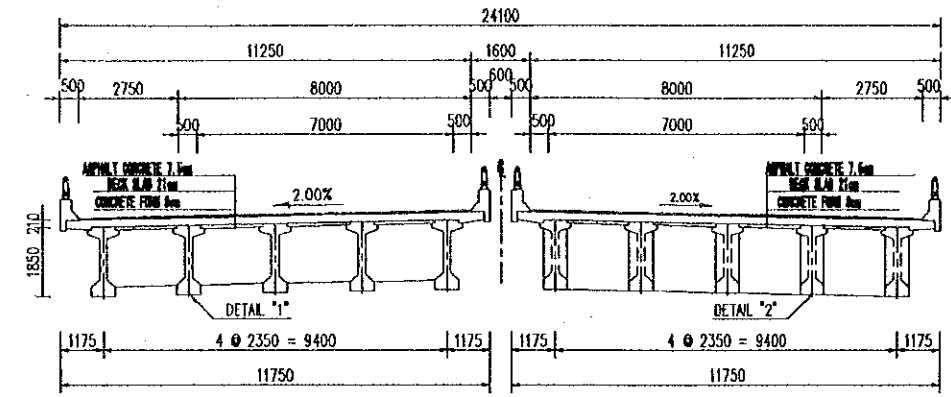
(SCALE : 1:200)

1/2 SECTION C - C

(SCALE : 1:200)

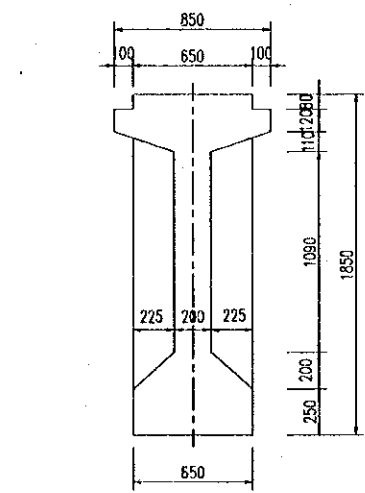
1/2 SECTION D - D

(SCALE : 1:200)



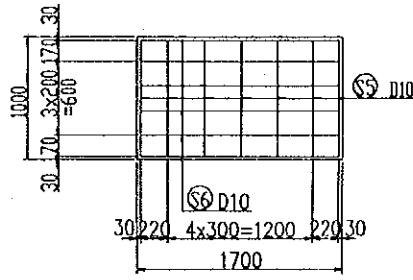
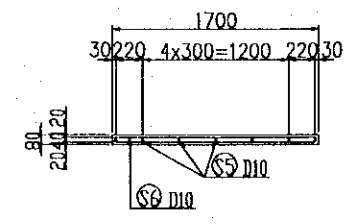
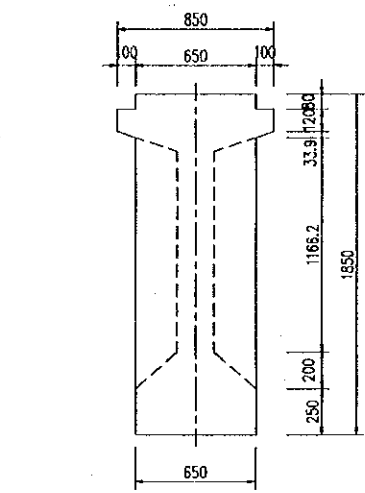
DETAIL "1"

(SCALE : 1:40)



DETAIL "2"

(SCALE : 1:40)

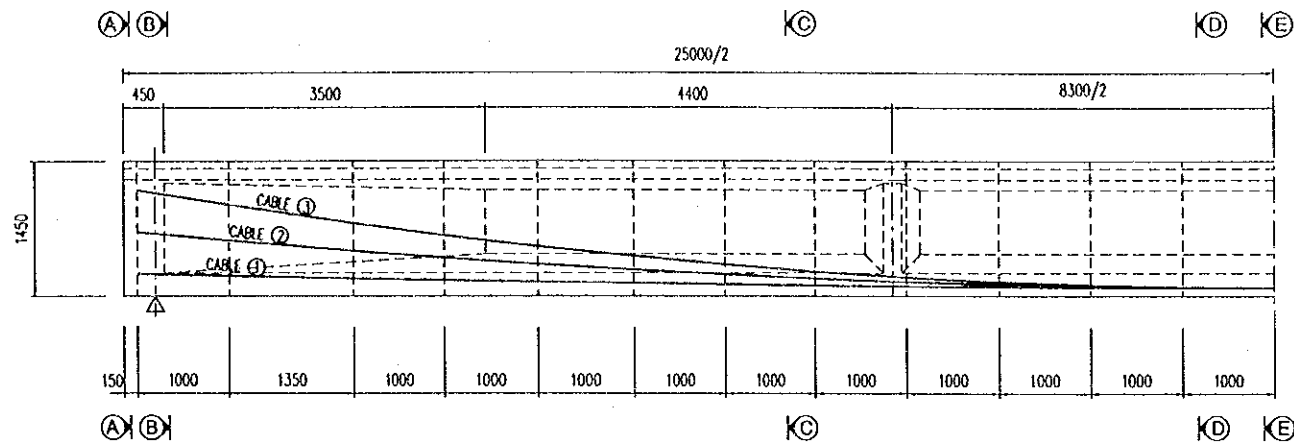


NOTES :

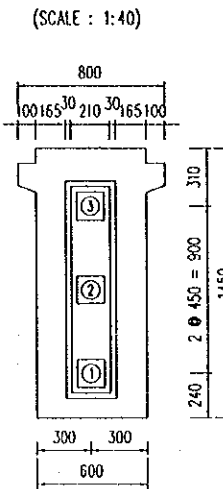
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBİ CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE SUPERSTRUCTURE - APPROACH BRIDGE GENERAL VIEW OF "T" GIRDER L = 37M	P1/BR2/0120
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

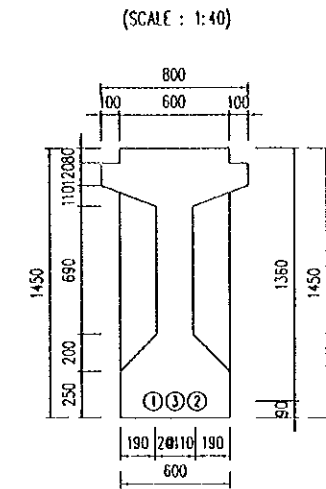
PC CABLE ARRANGEMENT OF GIRDER FOR SMALL TRA VA BRIDGE (Ls = 24.30M)



SECTION A - A



SECTION E - E



POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER

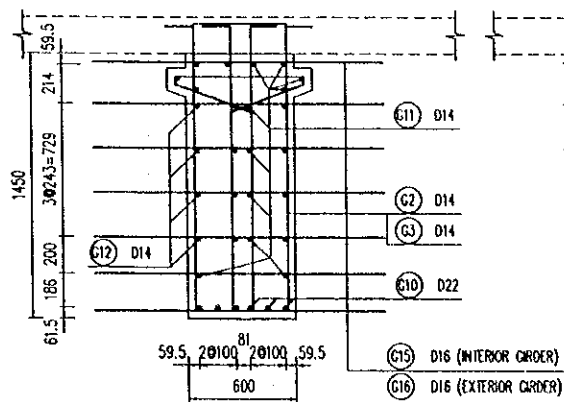
L	12350	11350	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	218	189	170	153	139	126	115	106	99	94	91
CABLE ②	690	600	486	411	343	284	233	189	153	126	106	94
CABLE ③	1140	983	783	651	533	430	339	263	201	152	118	97

PC CABLE 12 S 12.7				(UNIT : MM)
CABLE No	L1	L2	2x Σ Li	α
①	1000	11351	24702	1°17'
②	1004	11365	24738	5'8"
③	1012	11397	24818	8°56'

WEIGHT = 74.258 x 9.29 kg/m = 689.9 kg
 SHEATHING Ø 80/85 : 74.258 M
 ANCHORAGE : 6 SET
 CEMENT GROUT IN SHEATHING : 0.373 M3
 CONCRETE : 15.879 M3

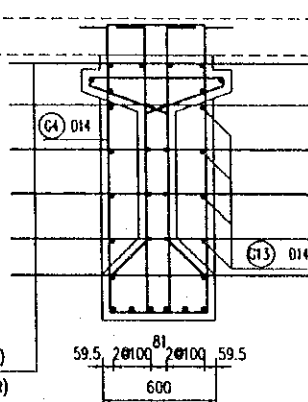
SECTION B - B

(SCALE : 1:40)



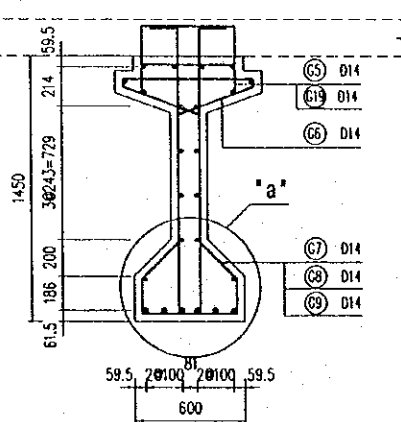
SECTION C - C

(SCALE : 1:40)



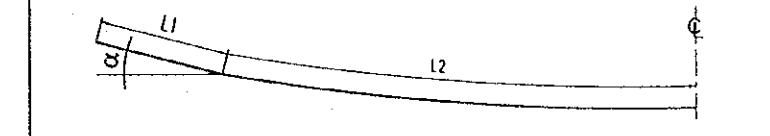
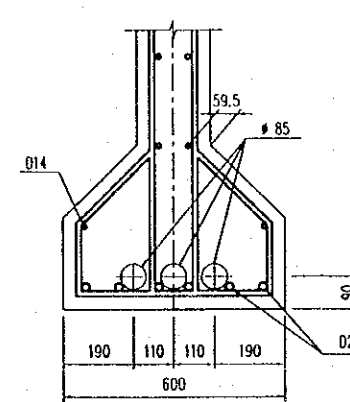
SECTION D - D

(SCALE : 1:40)



DETAIL "a"

(SCALE 1 : 20)

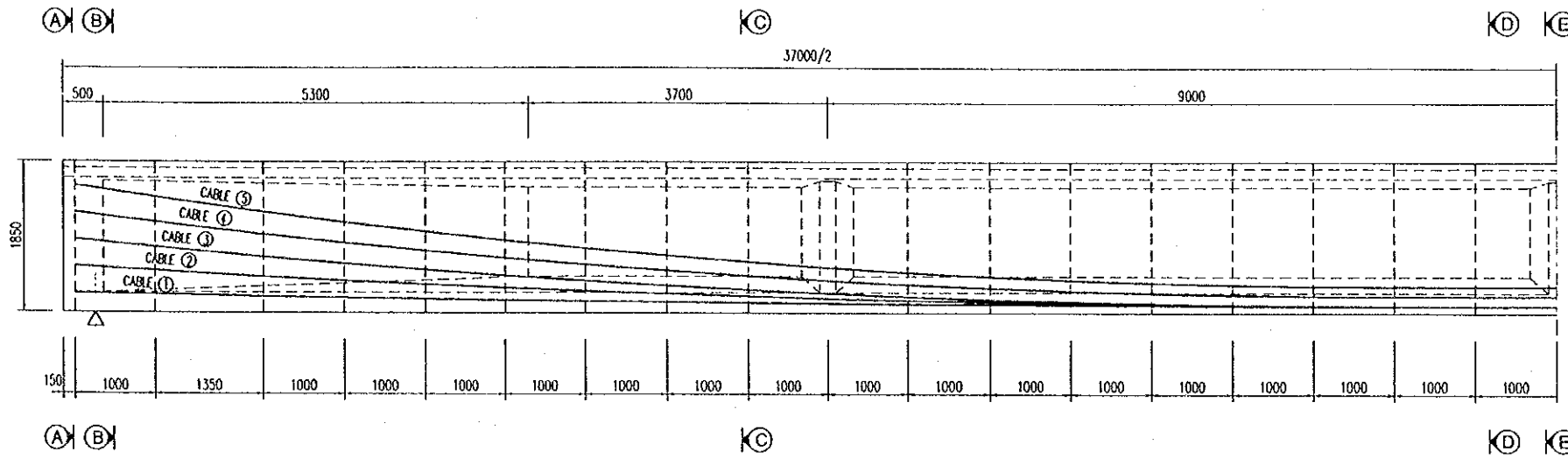


NOTES :

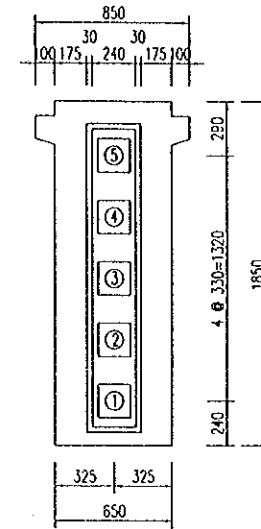
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	SMALL TRA VA BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF "I" GIRDER L=25M	P1/BR2/0130

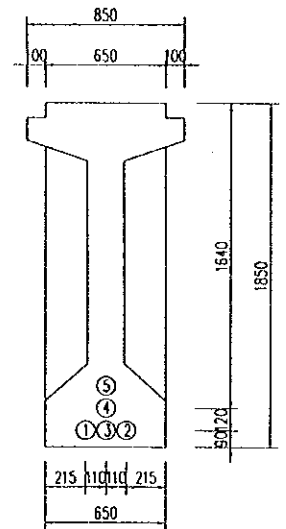
PC CABLE ARRANGEMENT OF GIRDER FOR SMALL TRA VA BRIDGE (Ls = 36.2M)



SECTION A - A
(SCALE 1 : 40)



SECTION E - E
(SCALE 1 : 40)



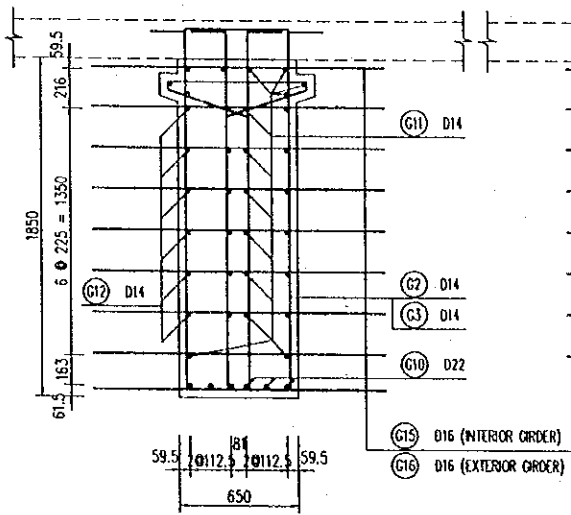
POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER

L	18350	17350	16000	15000	14000	13000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	223	200	185	171	158	146	136	126	118	110	104	99	95	92	91	90	90
CABLE ②	570	515	443	395	350	308	270	236	205	178	155	135	119	106	97	92	90	90
CABLE ③	900	807	686	604	528	458	394	336	285	239	200	166	139	117	102	93	90	90
CABLE ④	1230	1112	961	857	762	673	593	520	455	398	348	306	271	245	225	214	210	210
CABLE ⑤	1560	1418	1235	1111	995	889	792	704	626	556	496	446	404	372	349	335	330	330

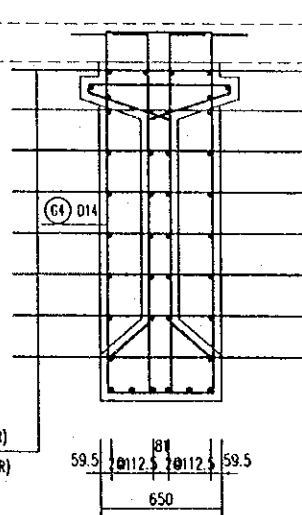
PC CABLE 12 S 12.7 (UNIT : MM)					
CABLE No	L1	L2	L3	2x Σ Li	a
①	1000	15351	2000	36702	0°59'
②	1002	15355	2000	36714	2°52'
③	1004	15373	2000	36754	5°20'
④	1007	15385	2000	36784	6°42'
⑤	1010	15401	2000	36822	8°4'

WEIGHT = 183.78 x 9.29 kg/m = 1707.3 kg
 SHEATHING # 80/65 : 183.78 M
 ANCHORAGE : 10 SET
 CEMENT GROUT IN SHEATHING : 0.923 M3
 CONCRETE : 29.226 M3

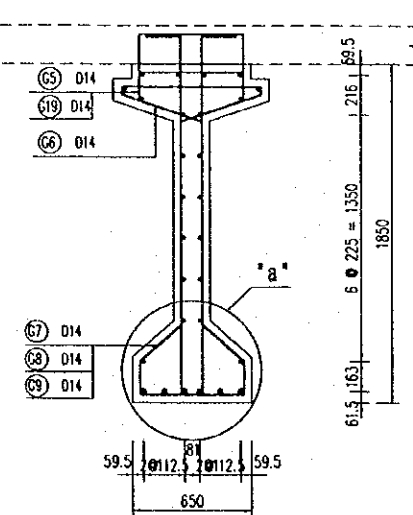
SECTION B - B
(SCALE : 1:40)



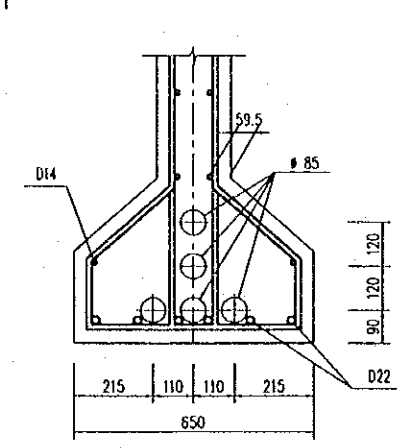
SECTION C - C
(SCALE : 1:40)



SECTION D - D
(SCALE : 1:40)



DETAIL "a"
(SCALE 1:20)



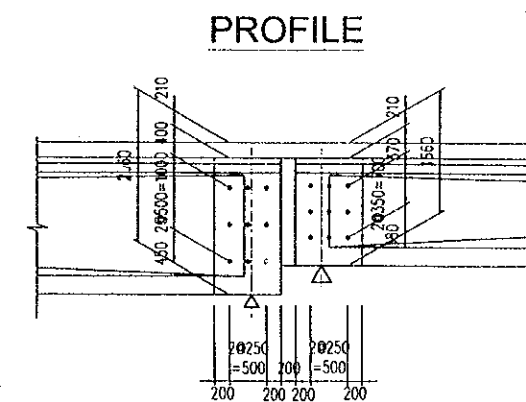
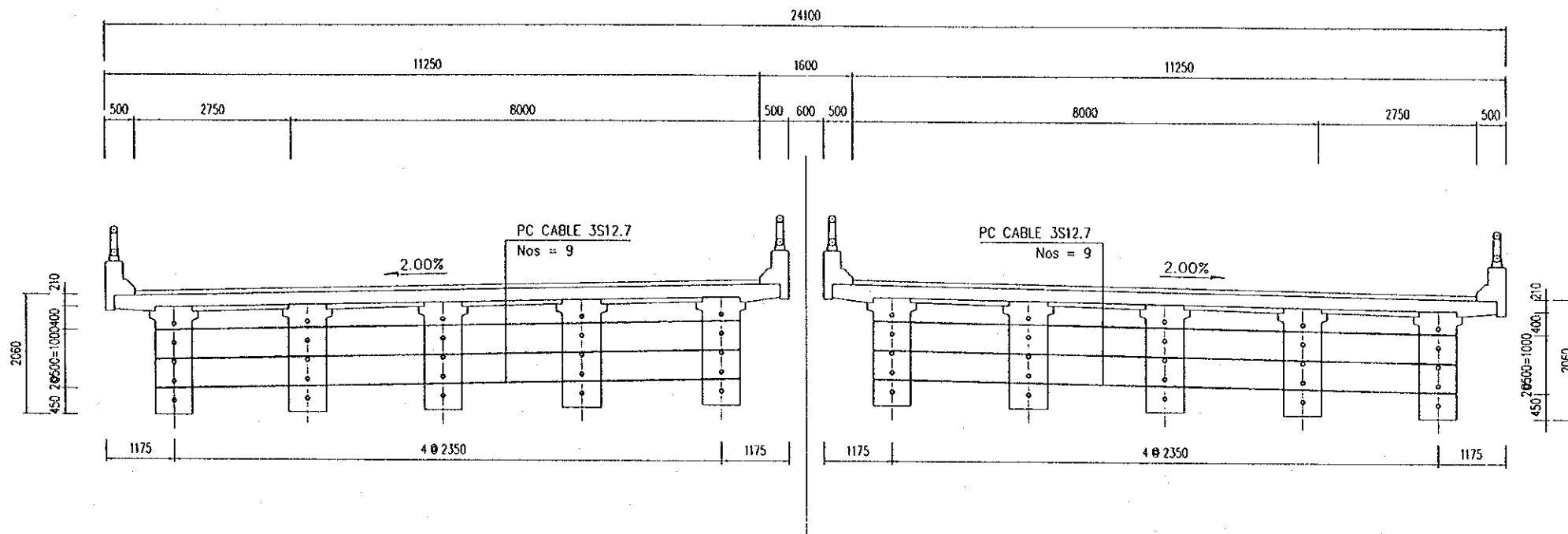
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

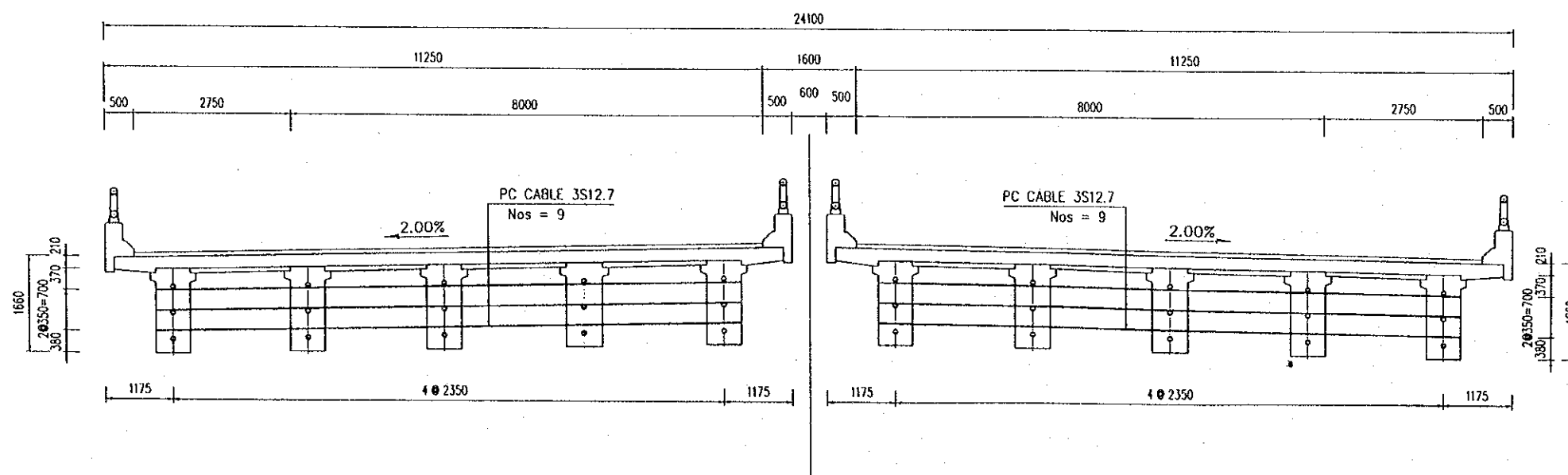
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kamejani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE SUPERSTRUCTURE - APPROACH BRIDGE TENDON ARRANGEMENT OF "I" GIRDER L=37M	P1/BR2/0140
				NAME	NAME	NAME		
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

CONNECTION DIAPHRAGM
(SCALE 1 : 100)

SECTION OF "I" GIRDER L = 37M



SECTION OF "I" GIRDER L = 25M



TOTAL QUANTITY

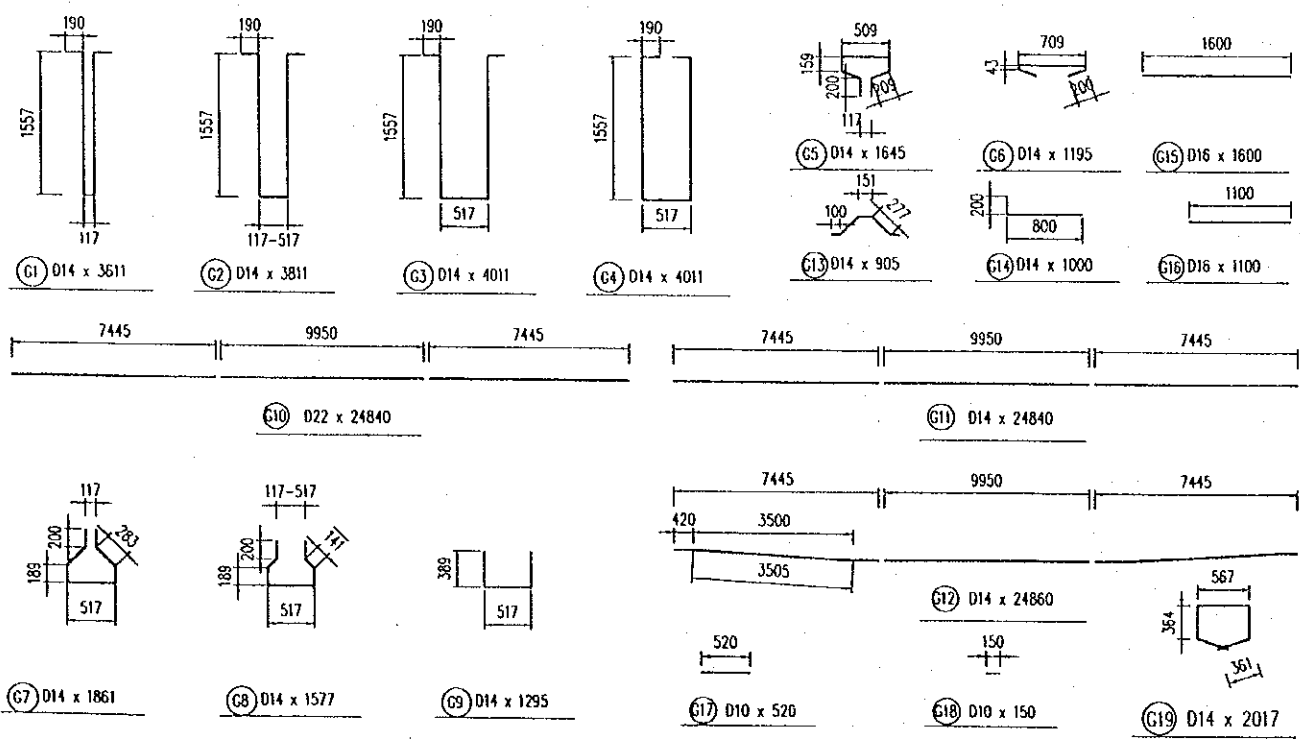
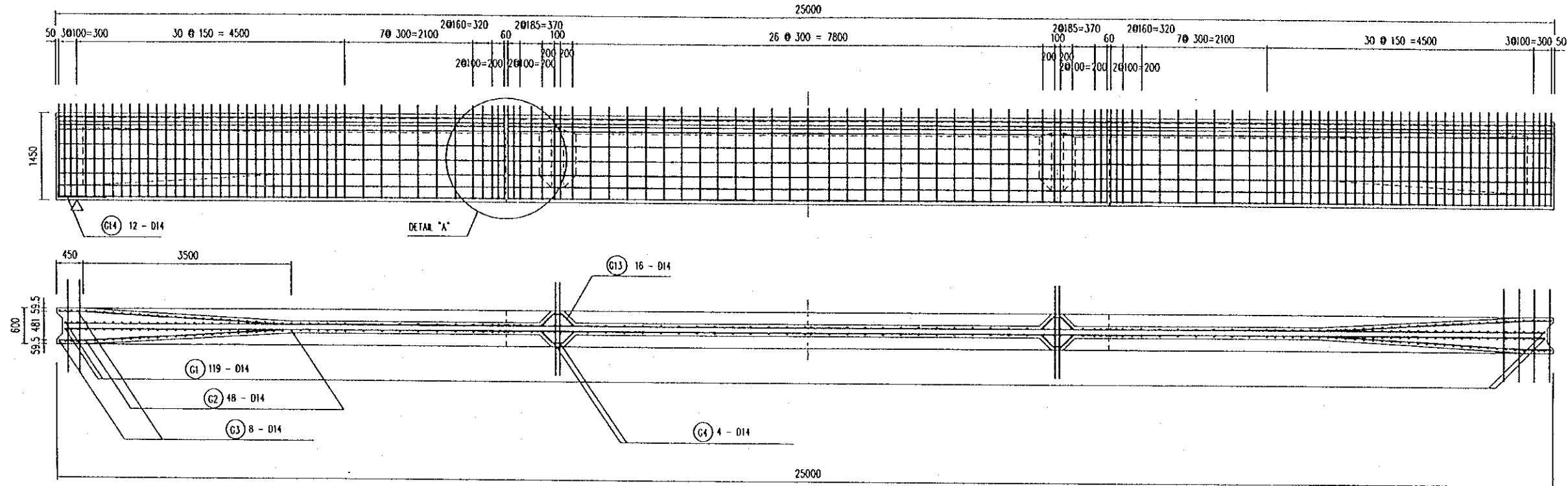
TOTAL WEIGHT OF PC CABLE 3S12.7 = 723.8 x 2.32 kg/m = 1679.2 (kg)
 SHEATHING Ø 50/55 : 723.8 M
 ANCHORAGE : 144 SET
 CEMENT GROUT IN SHEATHING : 1.42 M3

NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.

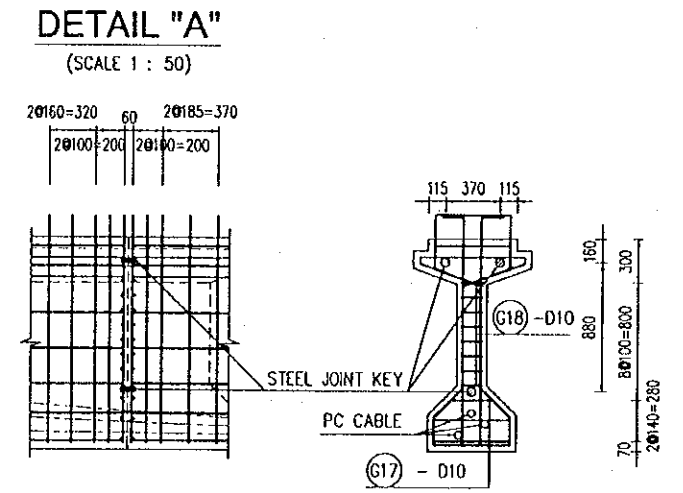
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE SMALL TRA VA BRIDGE SUPERSTRUCTURE TENDONS ARRANGEMENT OF CONNECTION DIAPHRAGMS	DWG NO. P1/BR2/0150	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>			<i>K. Enomoto</i>
				DATE	20/9/2000	29/9/2000			5/10/2000

BAR ARRANGEMENT OF GIRDER FOR SMALL TRA VA BRIDGE (Ls = 24.30M)



BAR LIST (FOR 1 GIRDER)						
REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	3611	119	1.208	519.1	
G2	14	3811	48	1.208	221.0	AVERAGE
G3	14	4011	8	1.208	38.8	
G4	14	4011	4	1.208	19.4	
G5	14	1645	131	1.208	260.3	
G6	14	1195	131	1.208	189.1	
G7	14	1861	75	1.208	158.6	
G8	14	1577	48	1.208	91.4	AVERAGE
G9	14	1295	8	1.208	12.5	
G10	22	24840	6	2.984	444.7	
G11	14	24840	18	1.208	540.1	
G12	14	24860	8	1.208	240.2	
G13	14	905	16	1.208	17.5	
G14	14	1000	12	1.208	14.5	
G15	16	1600	48	1.578	121.2	INTERIOR GIRDER
G16	16	1100	48	1.578	83.3	EXTERIOR GIRDER
G17	10	520	12	0.617	3.9	
G18	10	150	32	0.617	3.0	
G19	14	2017	119	1.208	289.94	
TOTAL			3195.2		(3157.2)	
	D10		6.9		(6.9)	
	D14		2622.4		(2622.4)	
	D16		121.2		(83.3)	
	D22		444.7		(444.7)	

STEEL JOINT KEY : 6 SET

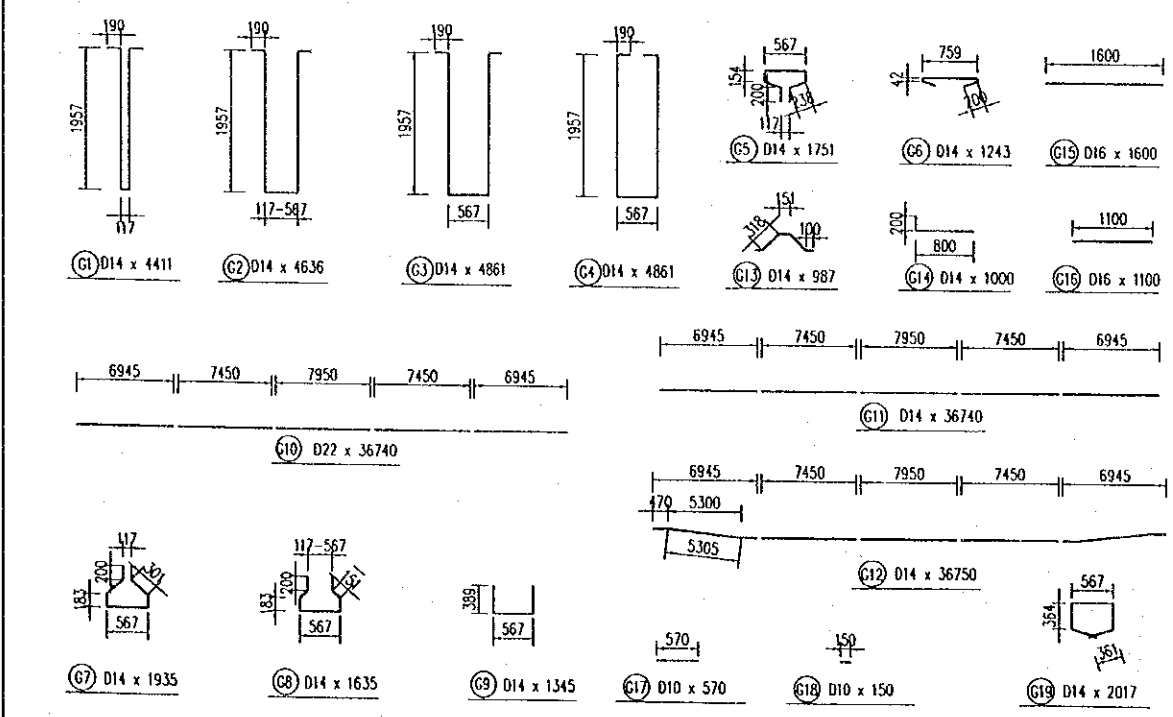
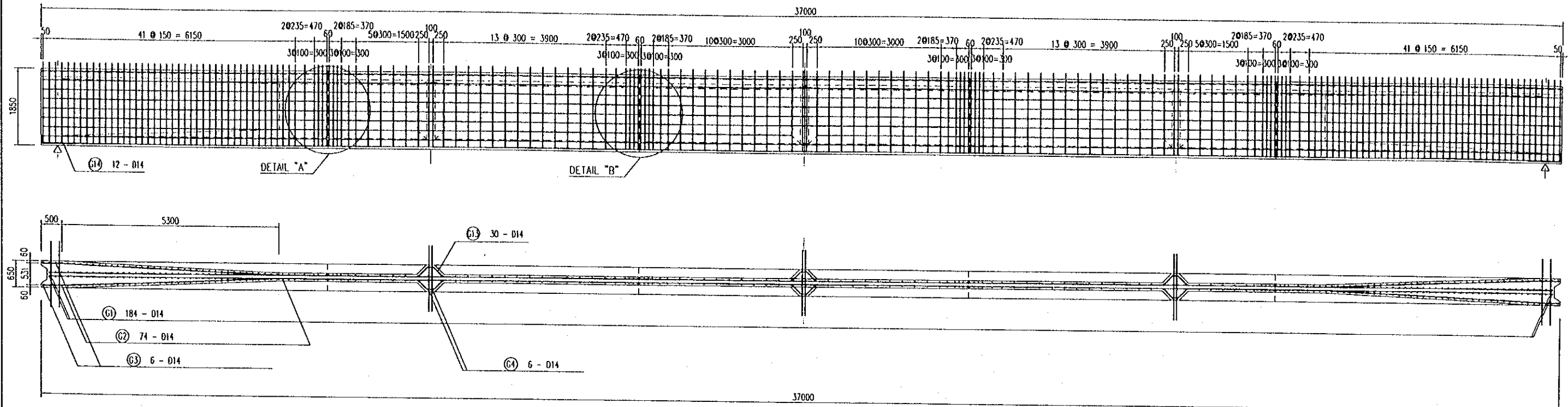


NOTES :

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.
- THE VALUE OF INSIDE () ARE FOR EXTERIOR GIRDER.

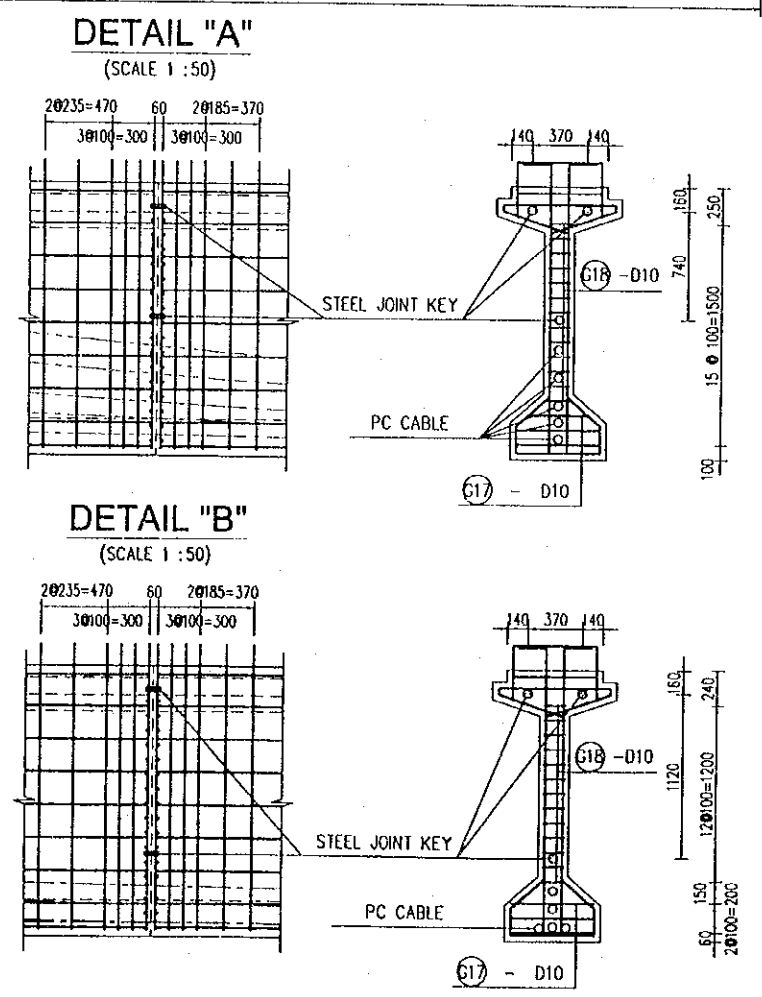
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: DATE: 20/9/2000	CHECKED BY K. Matsumoto SIGNATURE: DATE: 29/9/2000	APPROVED BY K. Enomoto SIGNATURE: DATE: 5/10/2000	DRAWING TITLE SMALL TRA VA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF "I" GIRDER L = 25M	DWG NO. P1/BR2/0160
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BAR ARRANGEMENT OF GIRDER FOR SMALL TRA VA BRIDGE (Ls = 36.2M)



BAR LIST (FOR 1 GIRDER)						
REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	184	1.208	980.4	
G2	14	4636	74	1.208	414.4	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	6	1.208	35.2	
G5	14	1751	196	1.208	414.6	
G6	14	1243	196	1.208	294.3	
G7	14	1935	122	1.208	285.2	
G8	14	1635	74	1.208	146.2	AVERAGE
G9	14	1345	6	1.208	9.8	
G10	22	36740	6	2.984	657.8	
G11	14	36740	22	1.208	976.4	
G12	14	36750	12	1.208	532.7	
G13	14	987	30	1.208	35.8	
G14	14	1000	12	1.208	14.5	
G15	16	1600	84	1.578	212.1	INTERIOR GIRDER
G16	16	1100	84	1.578	145.8	EXTERIOR GIRDER
G17	10	570	24	0.617	8.4	
G18	10	150	104	0.617	9.6	
G19	14	2017	184	1.208	448.3	
TOTAL			5510.9		(5444.7)	
	D10		18.1		(18.1)	
	D14		4623.0		(4623.0)	
	D16		212.1		(145.8)	
	D22		657.8		(657.8)	

STEEL JOINT KEY : 12 SET

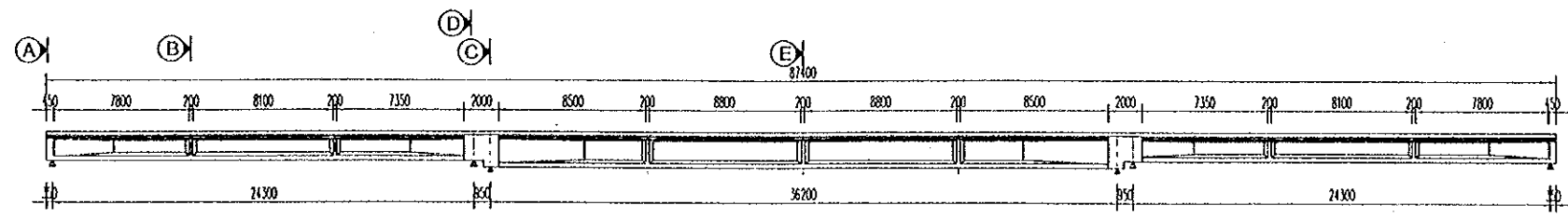


NOTES :

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.
2. THE VALUE OF INSIDE () ARE FOR EXTERIOR GIRDER.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE SUPERSTRUCTURE - APPROACH BRIDGE REINFORCEMENT OF "I" GIRDER L = 37M	P1/BR2/0170
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

PROFILE X-X



HALF SECTION A-A

SCALE 1:75

HALF SECTION B-B

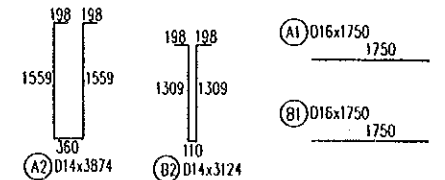
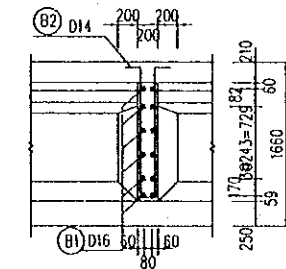
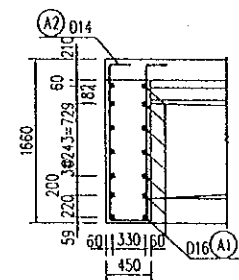
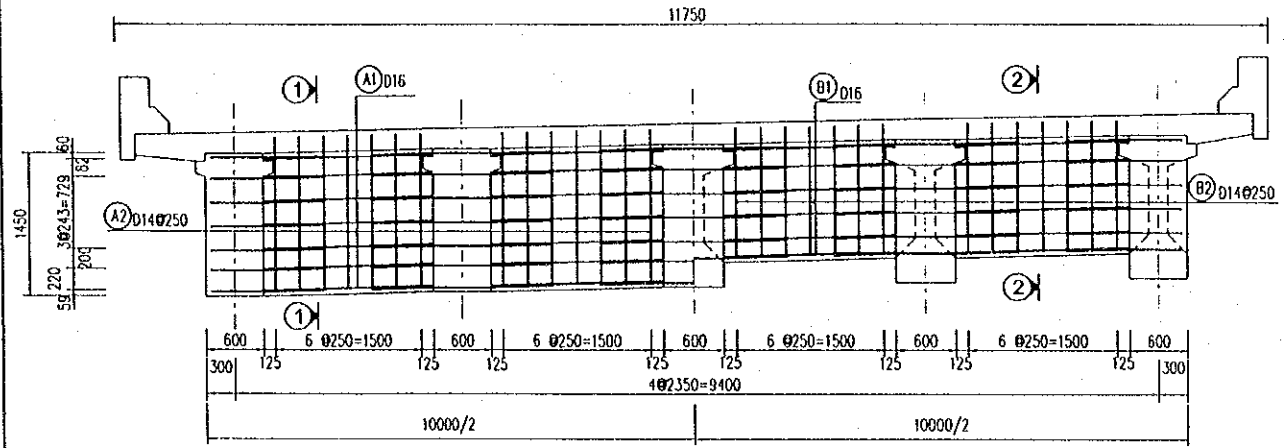
SCALE 1:75

SECTION 1-1

SCALE 1:75

SECTION 2-2

SCALE 1:75



HALF SECTION C-C

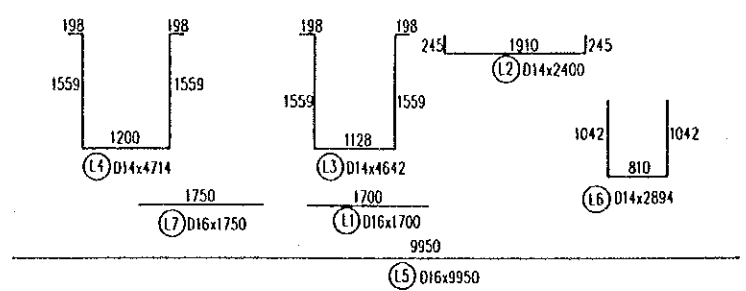
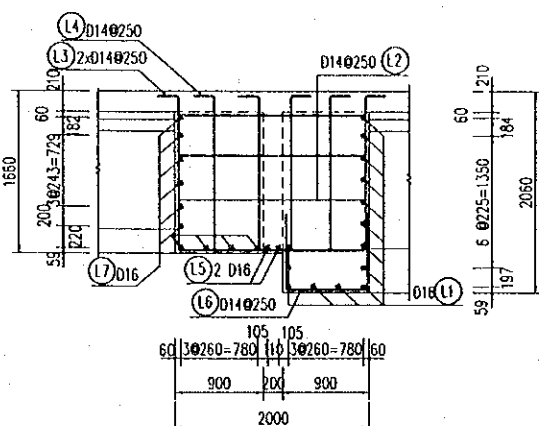
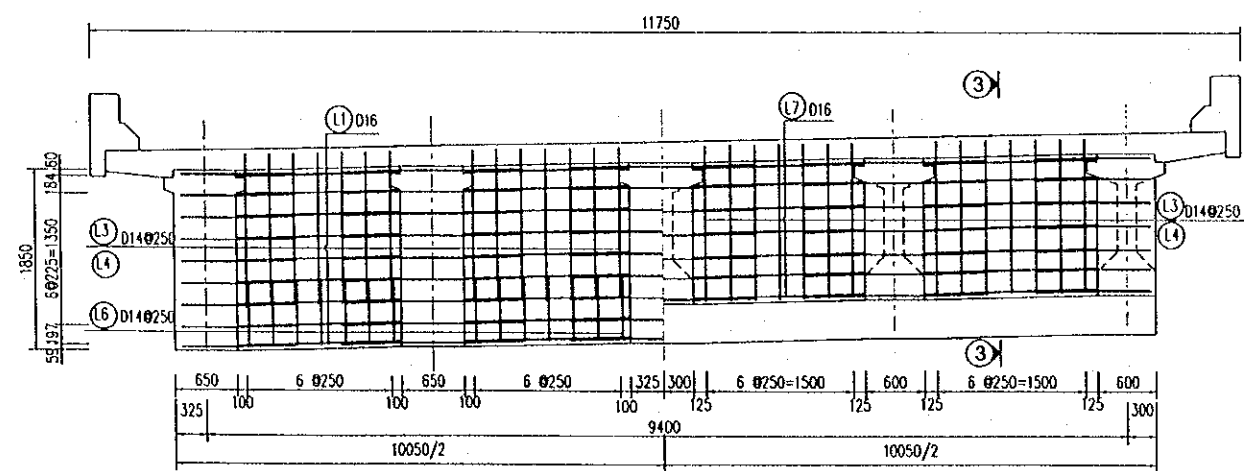
SCALE 1:75

HALF SECTION D-D

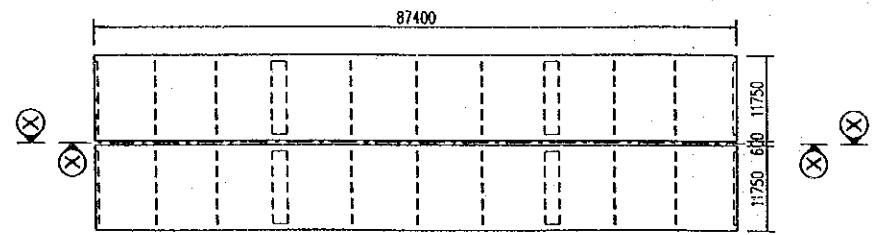
SCALE 1:75

SECTION 3-3

SCALE 1:75



KEY PLAN



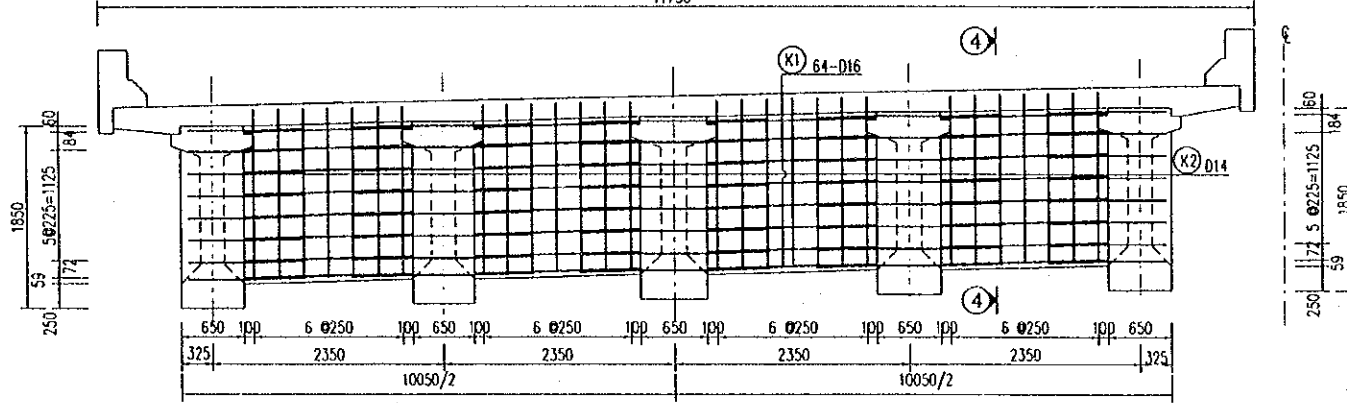
NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRAVA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF DIAPHRAGMS-SHEET1	P1/BR2/0180
				NAME	DATE	DATE		
				SIGNATURE	20/9/2000	29/9/2000		
						5/10/2000		

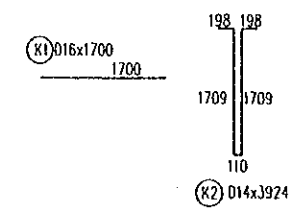
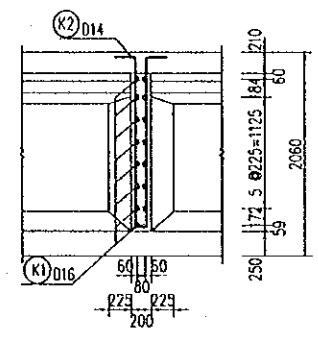
SECTION E-E

SCALE 1:75
11750



SECTION 4-4

SCALE 1:75



LIST OF REINFORCEMENT

NAME	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)
A1	16	1750	224	1.578	618.6
A2	14	3874	112	1.208	524.1
B1	16	1750	384	1.578	1060.4
B2	14	3124	224	1.208	845.3
K1	16	1700	384	1.578	1030.1
K2	14	3924	168	1.208	796.4
L1	16	1700	224	1.578	600.9
L2	14	2400	336	1.208	974.1
L3	14	4642	224	1.208	1256.1
L4	14	4714	112	1.208	637.8
L5	16	9950	8	1.578	125.6
L6	14	2894	112	1.208	391.5
L7	16	1750	160	1.578	441.8
CONCRETE		TOTAL			9302.7
129.943		D16			3877.4
		D14			5425.3

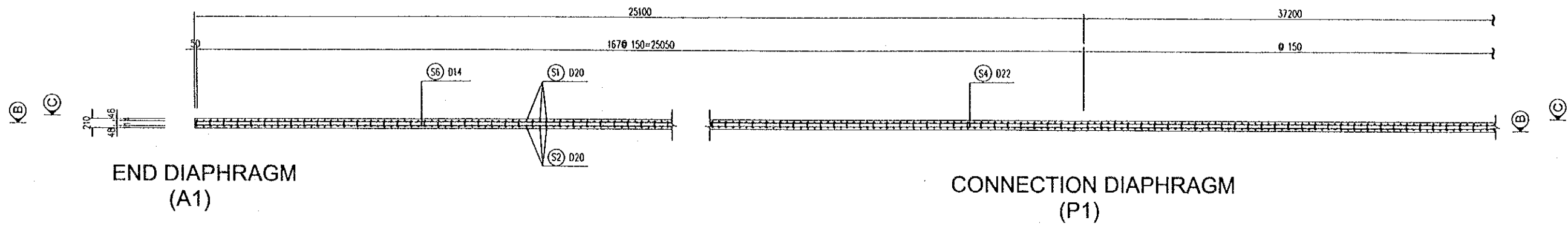
NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NR) NIPPON KOEI CO.,LTD.	T. Kamctani	K. Matsumoto	K. Enomoto	SMALL TRAVA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF DIAPHRAGMS-SHEET 2	P1/BR2/0181
				SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>		
				DATE	20/9/2000	29/9/2000		

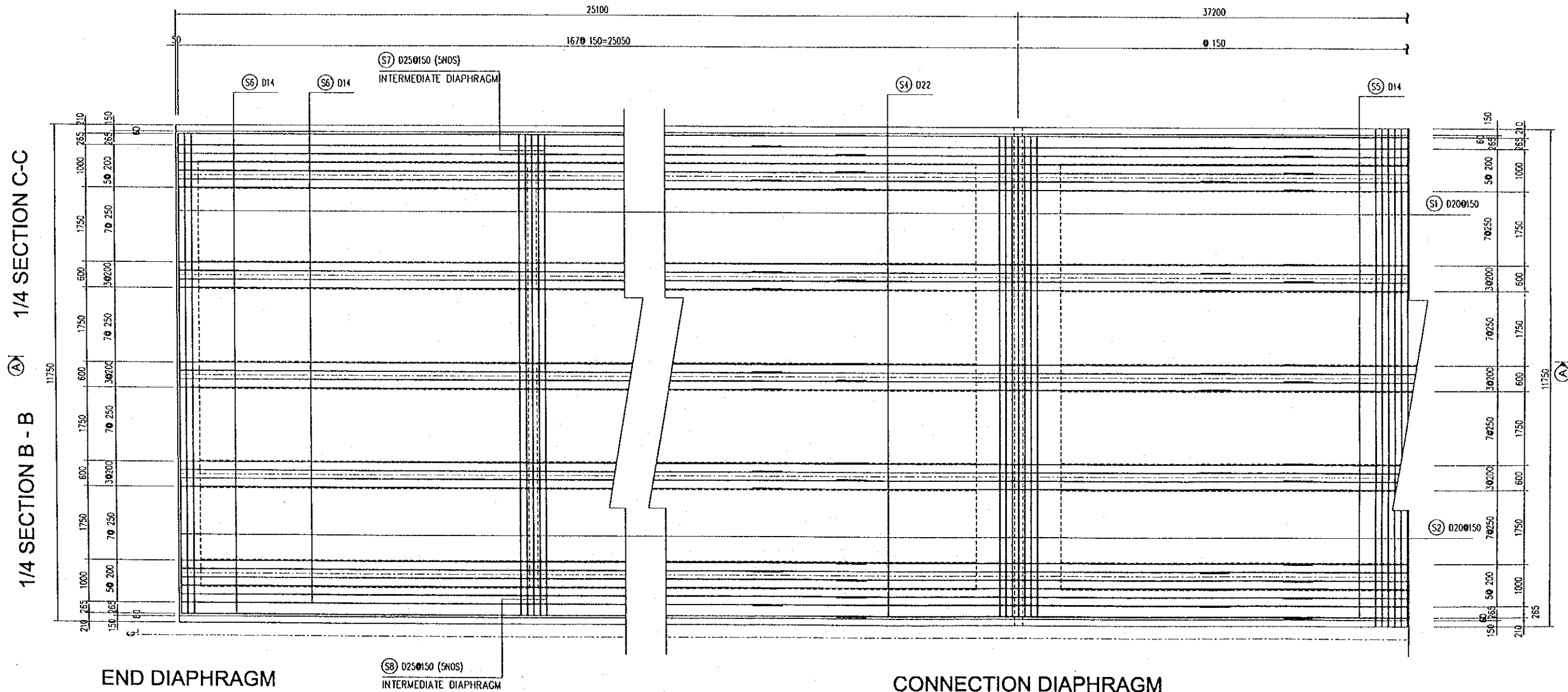
SECTION A - A

SCALE : 1:100



END DIAPHRAGM (A1)

CONNECTION DIAPHRAGM (P1)



END DIAPHRAGM (A1)

(S7) D25@150 (SNOS) INTERMEDIATE DIAPHRAGM

CONNECTION DIAPHRAGM (P1)

PLAN SCALE 1:100

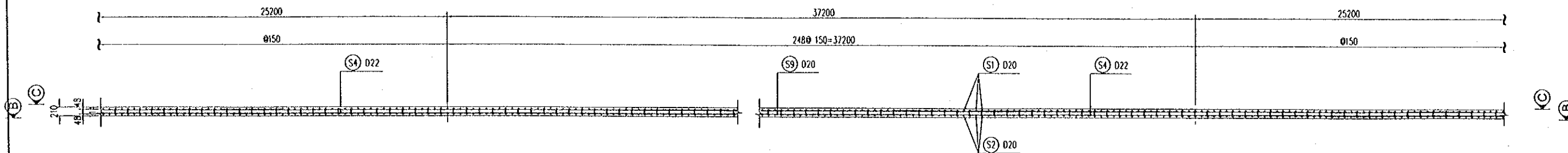
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRAVA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 1	P1/BR2/0190
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

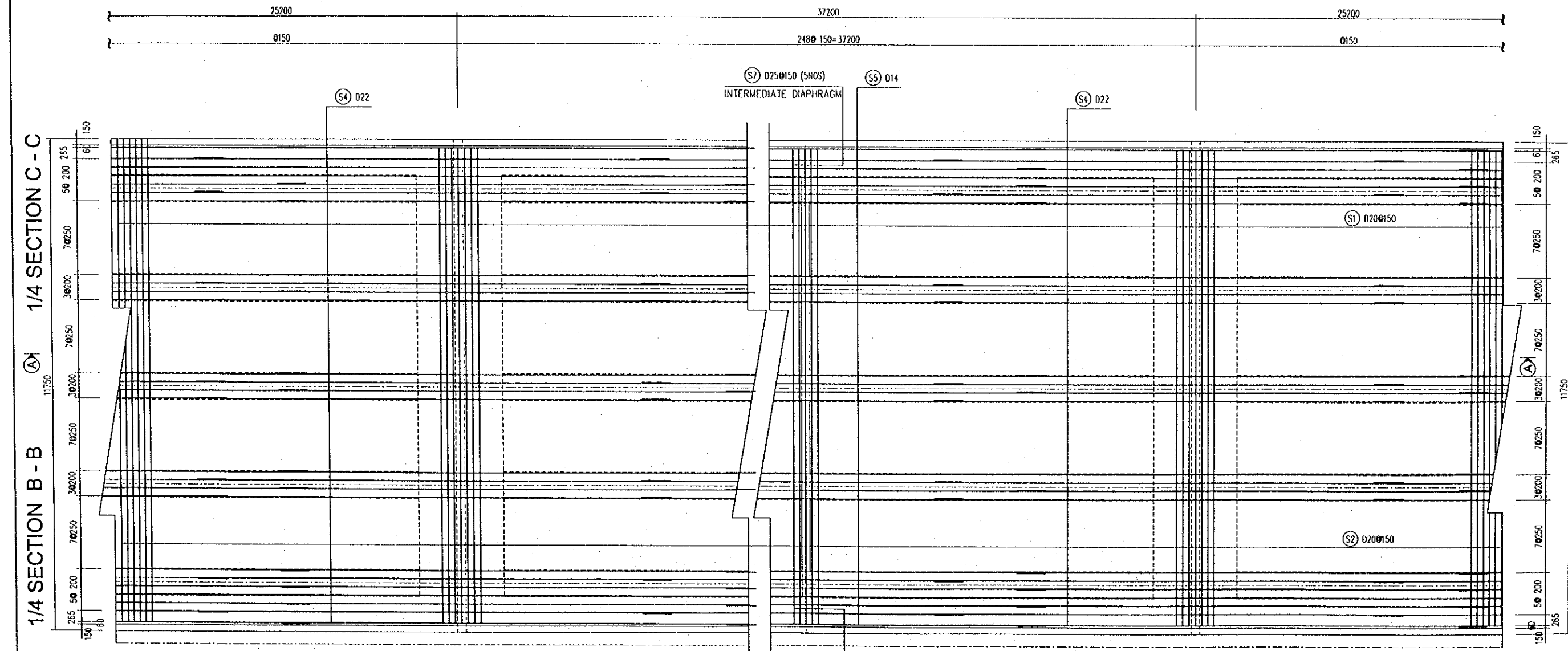
SECTION A - A

SCALE : 1:100



CONNECTION DIAPHRAGM (P1)

CONNECTION DIAPHRAGM (P2)



CONNECTION DIAPHRAGM (P1)

PLAN
SCALE 1:100

CONNECTION DIAPHRAGM (P2)

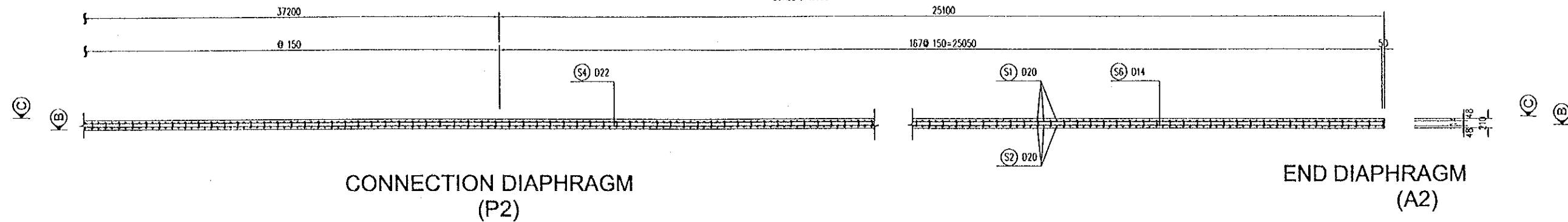
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	CHECKED BY NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	DRAWING TITLE SMALL TRAVA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 2	DWG NO. P1/BR2/0200
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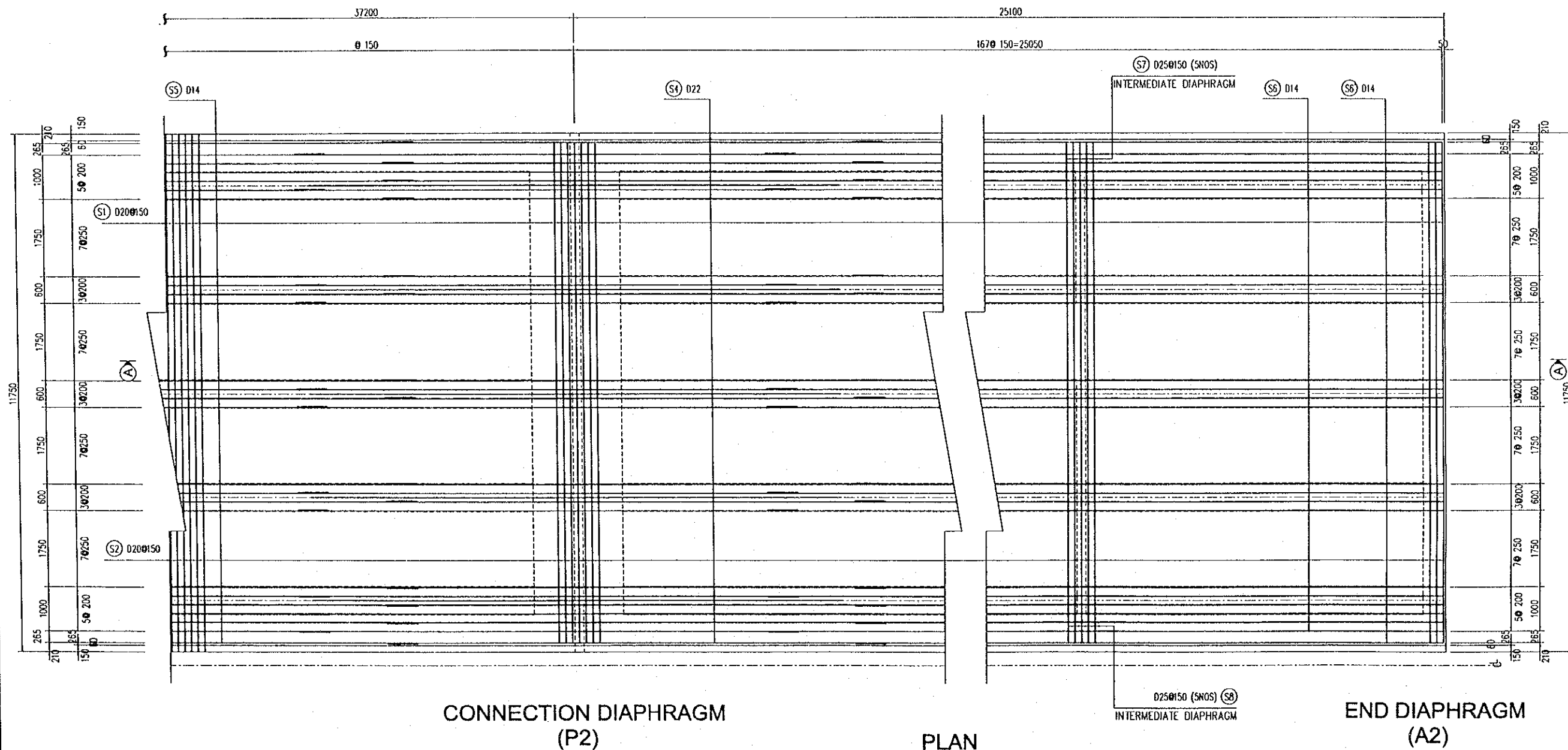
SECTION A - A

SCALE : 1:100



CONNECTION DIAPHRAGM (P2)

END DIAPHRAGM (A2)



CONNECTION DIAPHRAGM (P2)

INTERMEDIATE DIAPHRAGM

END DIAPHRAGM (A2)

PLAN
SCALE 1:100

1/4 SECTION B - B 1/4 SECTION C - C

NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO .P1/BR2/0030

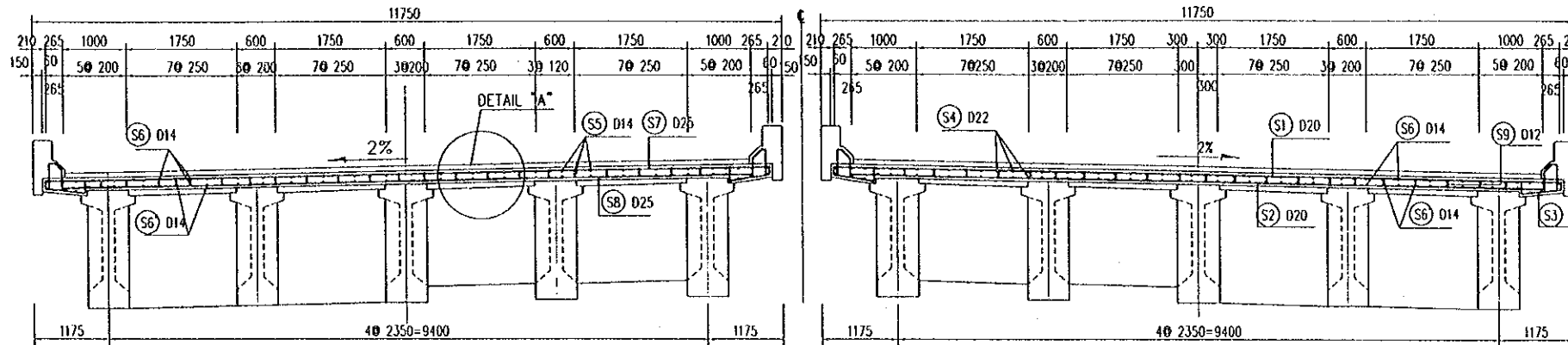
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBİ CO.,LTD.	NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	SMALL TRAVA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 3	P1/BR2/0210

1/4 SECTION
AT END DIAPHRAGM

1/4 SECTION AT
INTERMEDIATE DIAPHRAGM

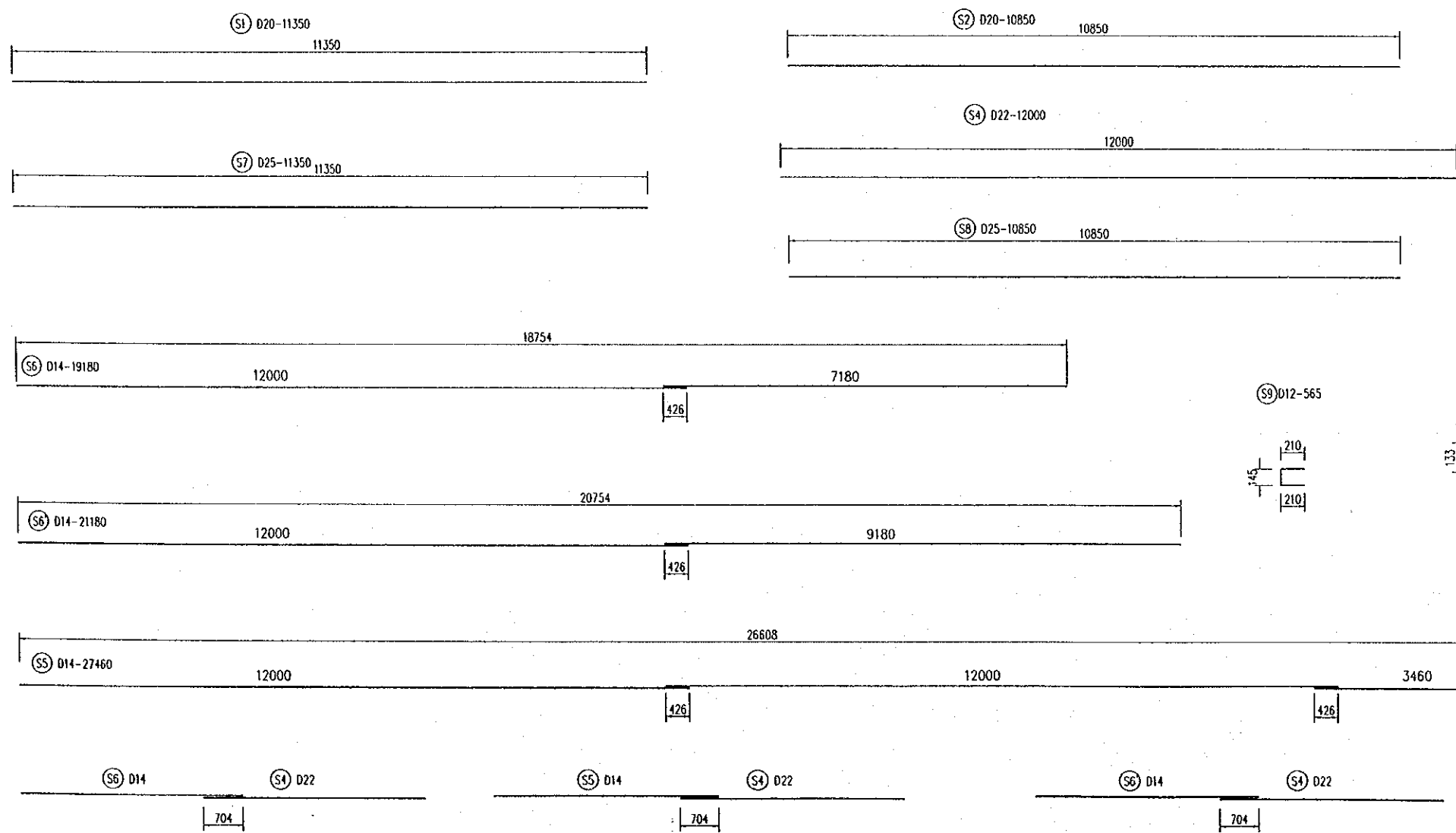
1/4 SECTION AT
CONNECTION DIAPHRAGM

1/4 SECTION
AT END DIAPHRAGM



LIST OF REINFORCEMENT

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	1096	2.466	30676.1
S2	20	10850	1096	2.466	29324.7
S3	14	963	2332	1.208	2712.8
S4	22	12000	400	2.984	14323.2
S5	14	27460	200	1.208	6634.3
S6	14	19180	200	1.208	4633.9
S6*	14	21180	200	1.208	5117.1
S7	25	11350	70	3.853	3061.2
S8	25	10850	70	3.853	2926.4
S9	12	565	14575	0.888	7312.6
TOTAL		106722.3		(KG)	
D25		5987.6		(KG)	CONCRETE : 419.6(M3)
D22		14323.2		(KG)	
D20		60000.8		(KG)	
D14		19098.1		(KG)	
D12		7312.6		(KG)	



NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO .P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRAVA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 4	P1/BR2/0220
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

QUANTITY TABLE OF SUPERSTRUCTURE

ITEMS		UNIT	TOTAL
A- BEAM			
CONCRETE	GRIDER CONCRETE CLASS B	m ³	609.8
	PRECAST CONCRETE PLATE CLASS D	m ³	96.3
	DIAPHRAGM CLASS D	m ³	129.9
	DECK SLAB CLASS D	m ³	419.6
ASPHALT CONCRETE OF 70 MM THICKNESS		m ²	1862.0
WATER PROOFING OF 5 MM THICKNESS		m ²	1862.0
CABLE	CABLES 12S12.7	m	3323.0
	CABLES 3S12.7	m	723.8
ANCHORAGE	ANCHORAGE CABLES 12S12.7	set	220.0
	ANCHORAGE CABLES 3S12.7	set	144.0
SHEATHING	CABLES 12S12.7 Ø 80/85 MM	m	3322.9
	CABLES 3S12.7 Ø 50/55 MM	m	723.8
CEMENT GROUT IN SHEATHING		m ³	18.1
STEEL SHEAR KEY			240.0
REINFORCEMENT	D25	kg	5987.6
	D22	kg	29795.9
	D20	kg	60042.1
	D16	kg	7876.1
	D14	kg	137061.3
	D12	kg	7312.6
	D10	kg	316.9
	D6	kg	11550.0
	TOTAL	kg	259942.5
B-EXPANSION JOINT 50 MM		m	43.0
C-BEARING	500x250x50	set	40.0
	600x300x57	set	20.0
D- ANCHORAGE BAR		set	48.0

NOTES

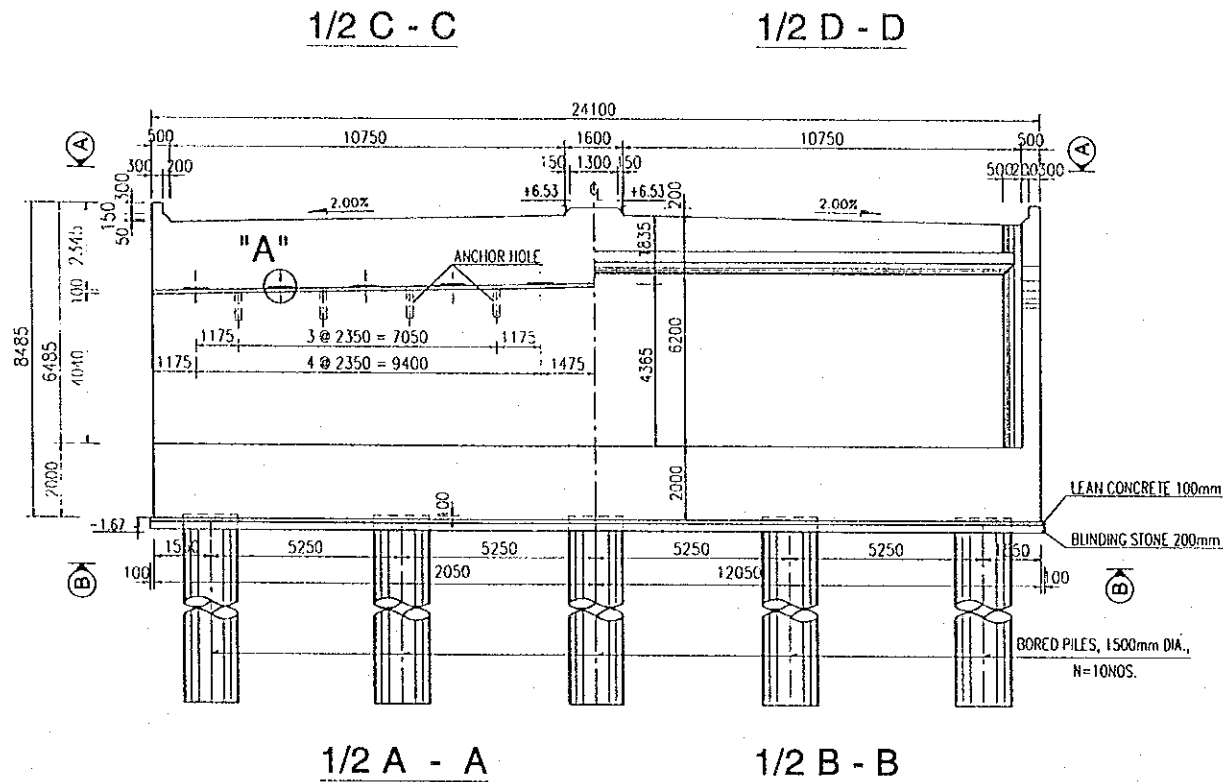
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE SUPERSTRUCTURE QUANTITY TABLES OF SUPERSTRUCTURE	P1/BR2/0250
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>	<i>K. Enomoto</i>		
				DATE	20/9/2000	29/9/2000	5/10/2000		

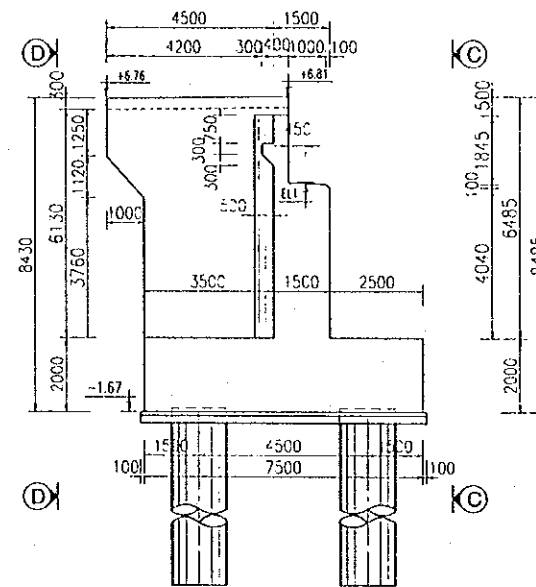
III. ABUTMENTS

DETAIL OF ABUTMENT

(SCALE 1:200)

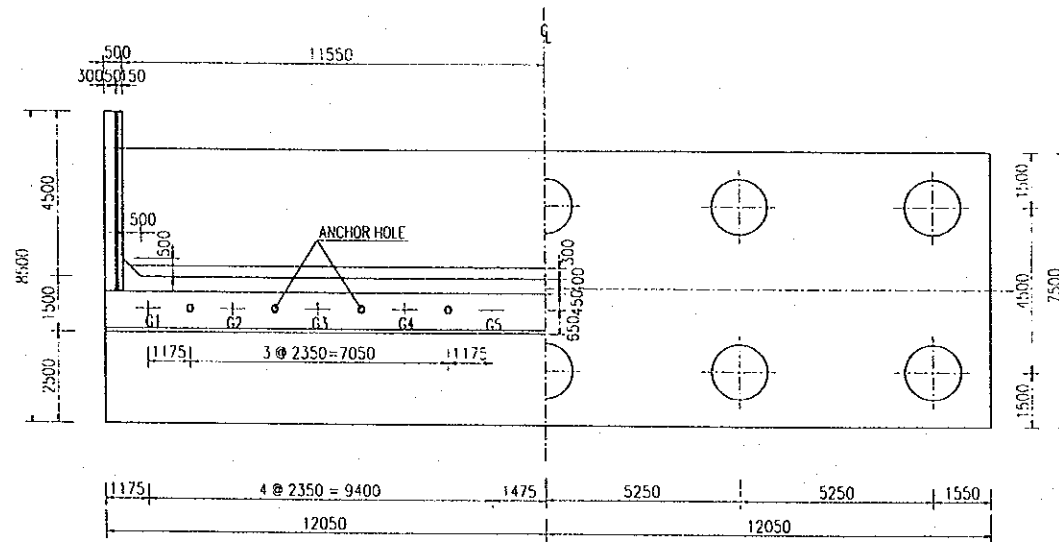
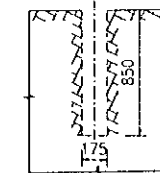


SIDE ELEVATION



DETAIL OF ANCHOR HOLE

(SCALE 1:50)

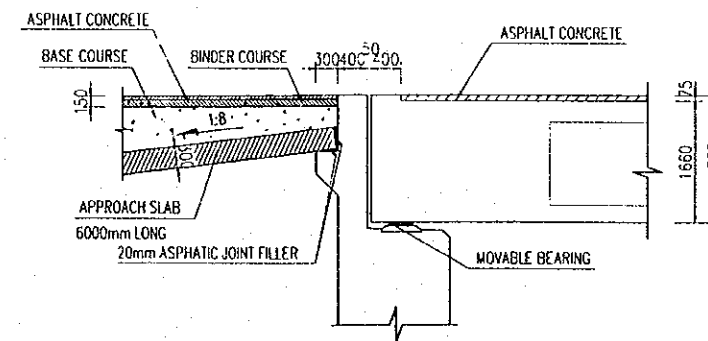


GIRDER BEARING SEAT
ELEVATION OF EL1

ABUTMENT	GROUT PAD	G1	G2	G3	G4	G5
A1-A2		+4.49	+4.54	+4.59	+4.63	+4.68

DETAIL OF BACK WALL

(SCALE 1:100)

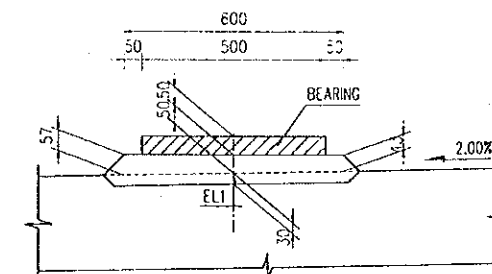


NOTES

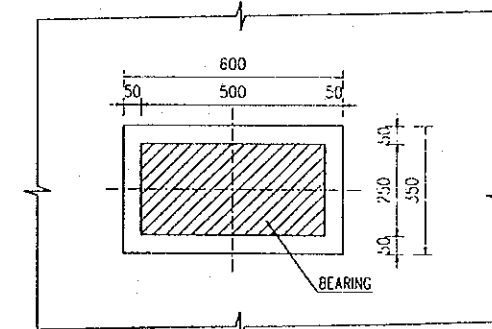
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

DETAIL "A"

(SCALE 1:20)



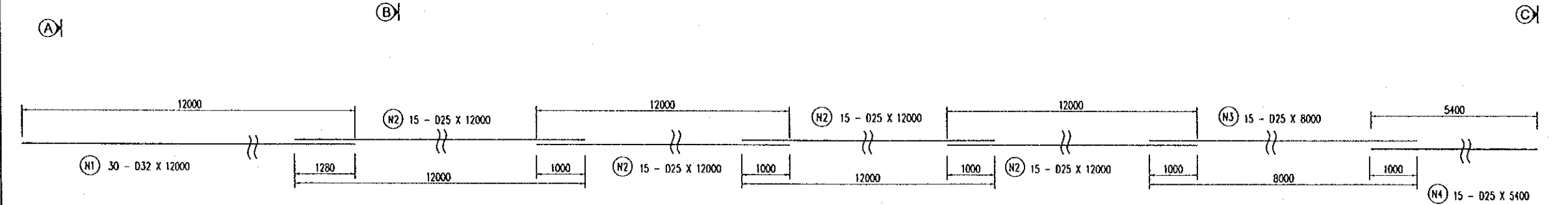
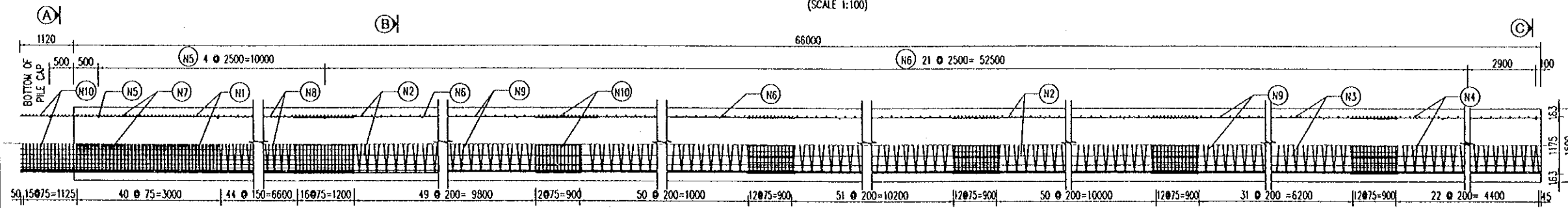
PLAN



PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE ABUTMENTS GENERAL VIEW OF ABUTMENTS A1 & A2	P1/BR2/0260
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

BORED CAST IN-SITU PILE DETAILS FOR ABUTMENTS A1&A2

(SCALE 1:100)



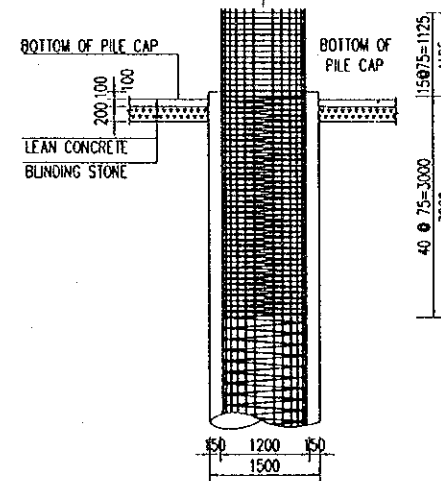
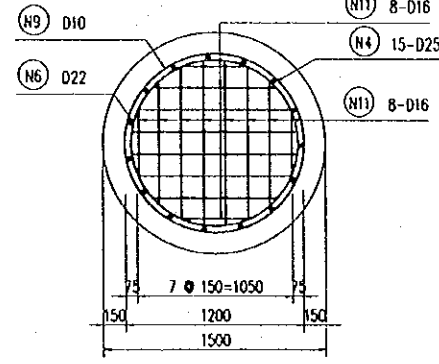
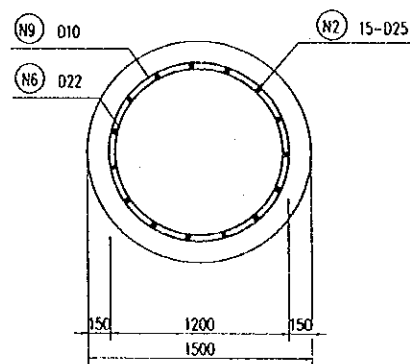
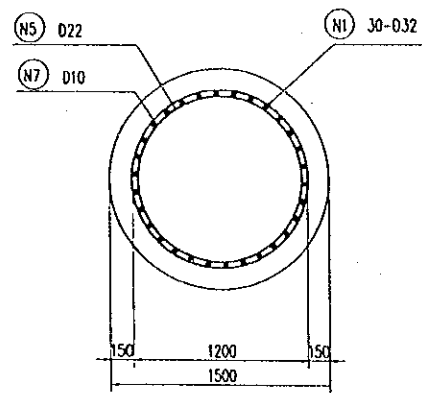
SECTION A-A
(SCALE 1:50)

SECTION B-B
(SCALE 1:50)

SECTION C-C
(SCALE 1:50)

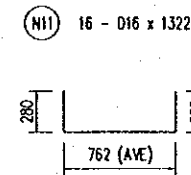
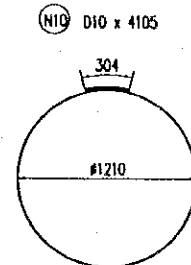
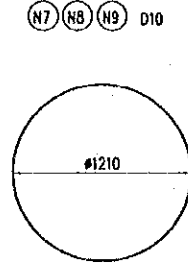
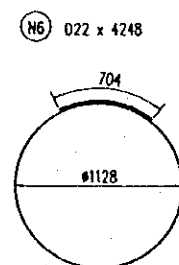
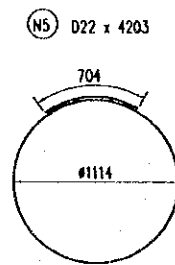
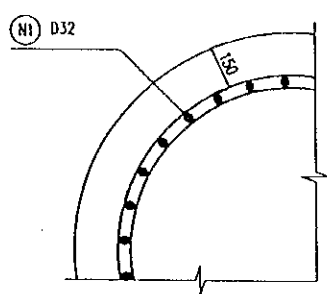
DETAIL OF CONCRETE PILE HEAD
(SCALE 1:100)

MATERIAL OF PILE



TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUMN (m ³)
N1	D32	12000	6.313	30	2272.7	
N2	D25	12000	3.853	60	2774.2	
N3	D25	8000	3.853	15	462.4	
N4	D25	5400	3.853	15	312.1	
N5	D22	4203	2.984	6	75.3	
N6	D22	4248	2.984	22	278.9	
N7	D10	152053	0.617	1	93.8	
N8	D10	167258	0.617	1	103.2	
N9	D10	961736	0.617	1	593.4	
N10	D10	4105	0.617	98	248.2	
N11	D16	1322	1.578	16	33.4	
					D10	1038.6 kg
					D16	33.4 kg
					D22	354.2 kg
					D25	3548.7 kg
					D32	2272.7 kg
					TOTAL	7247.6 kg
						116.63

DETAIL OF RECOVERING
(SCALE 1:25)



NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR2/0030.

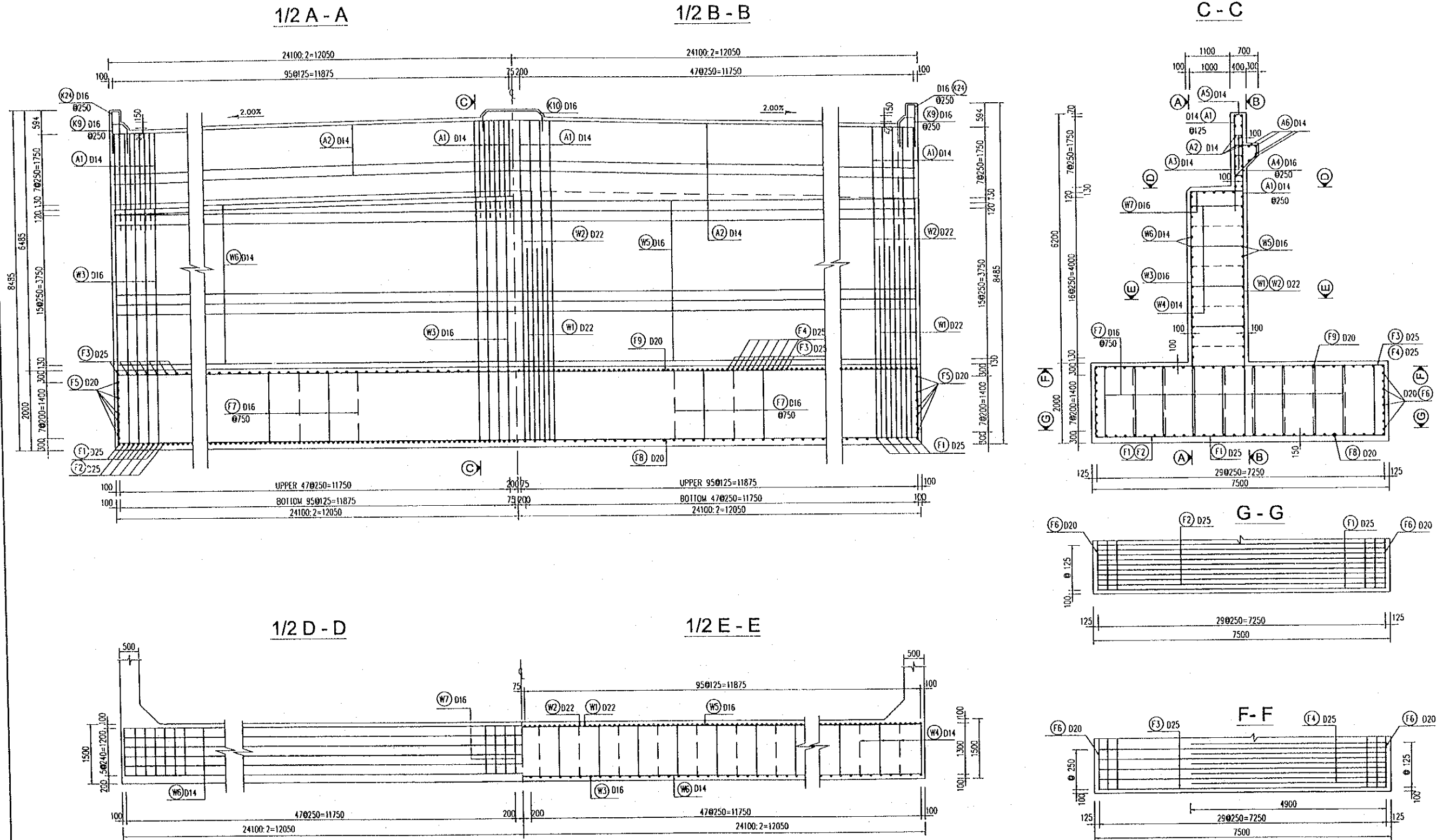
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	CHECKED BY K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	APPROVED BY K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DRAWING TITLE SMALL TRA VA BRIGE ABUTMENTS A1&A2 BORED PILE DETAILS - L=66M	DWG NO. P1/BR2/0270
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D:\C-TRINH\CT\NEW\SMALL\PI-BR2-0270.dwg Wed Aug 30 14:39:59 2000 BY C-HUY

D:\Project\CanTho 8-2000\BR2-Small Tra Va\Sua\P1-BR2-0280-0290-0300.dwg Mon Aug 28 15:17:02 2000 Quang Thành

REINFORCEMENT ARRANGEMENT OF ABUTMENT A1 & A2

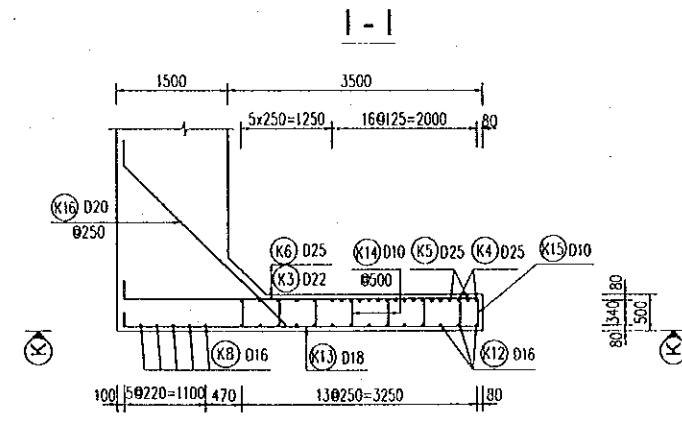
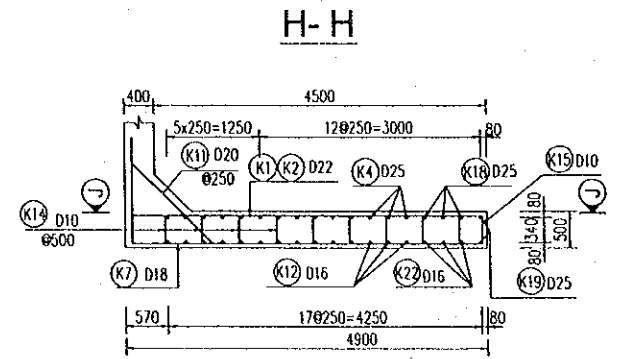
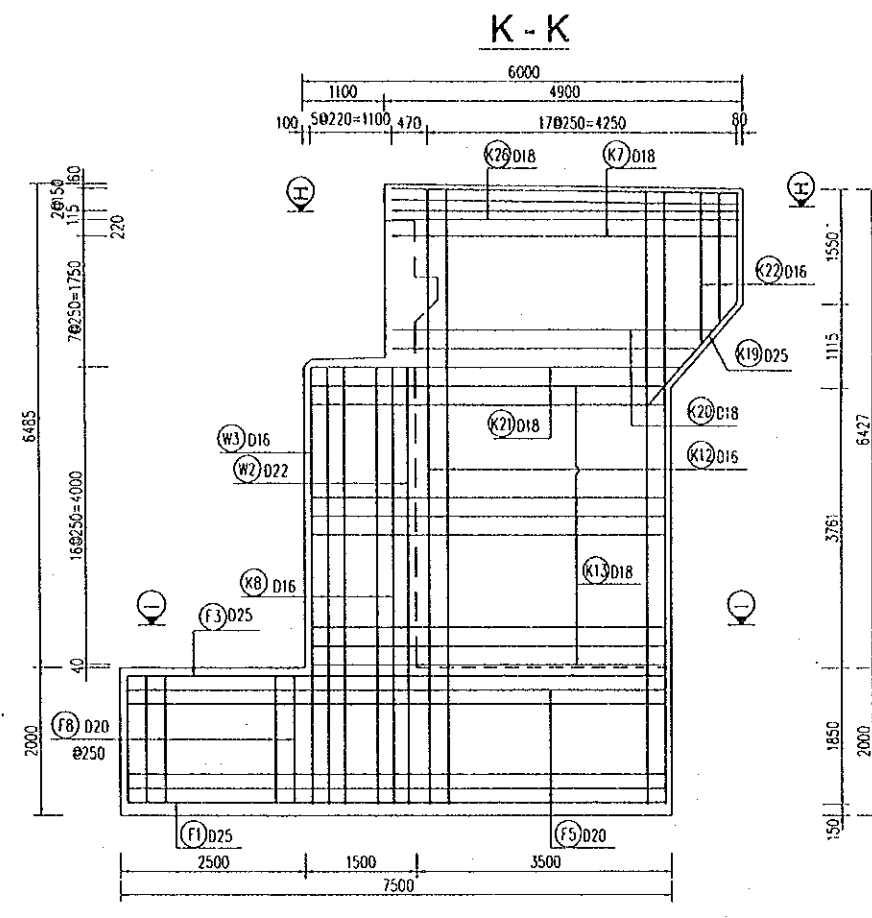
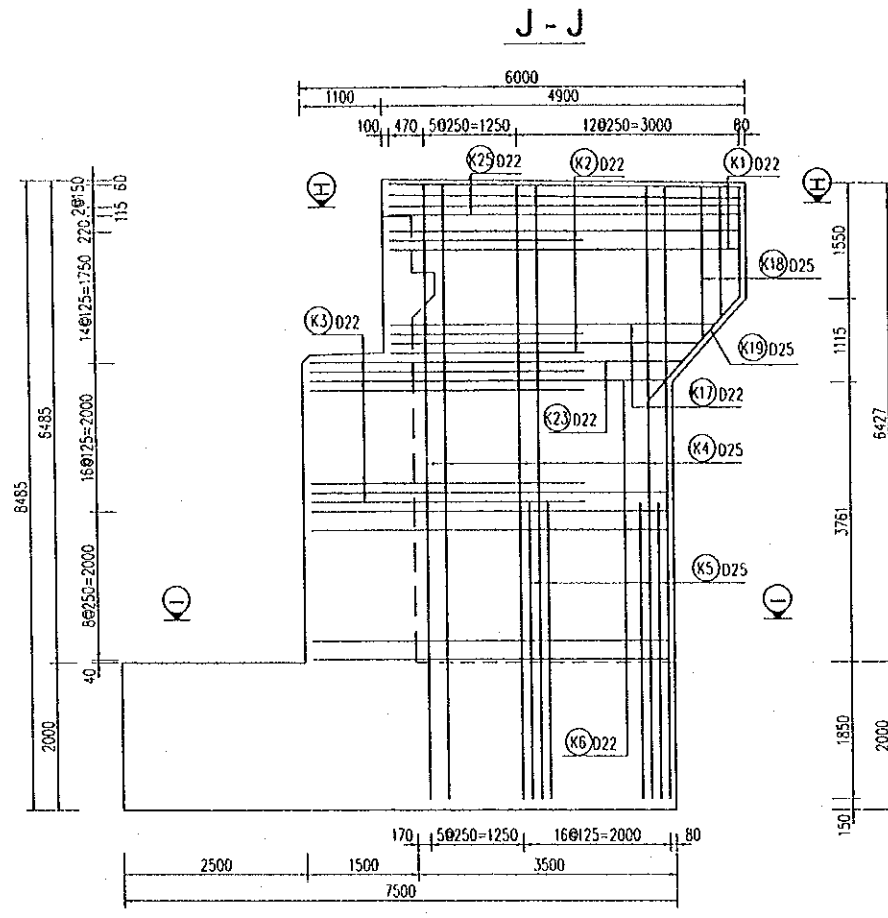
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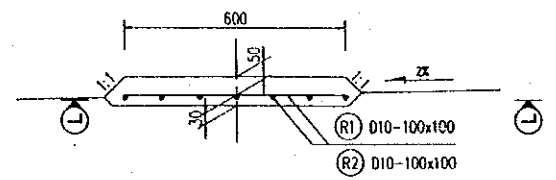
NOTE

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

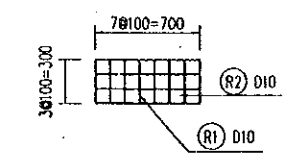
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	SMALL TRA VA BRIDGE ABUTMENTS REINFORCEMENT OF ABUTMENT A1&A2 - SHEET1	P1/BR2/0280



REINFORCING SHOES
(SCALE 1:20)



L-L
(SCALE 1:50)



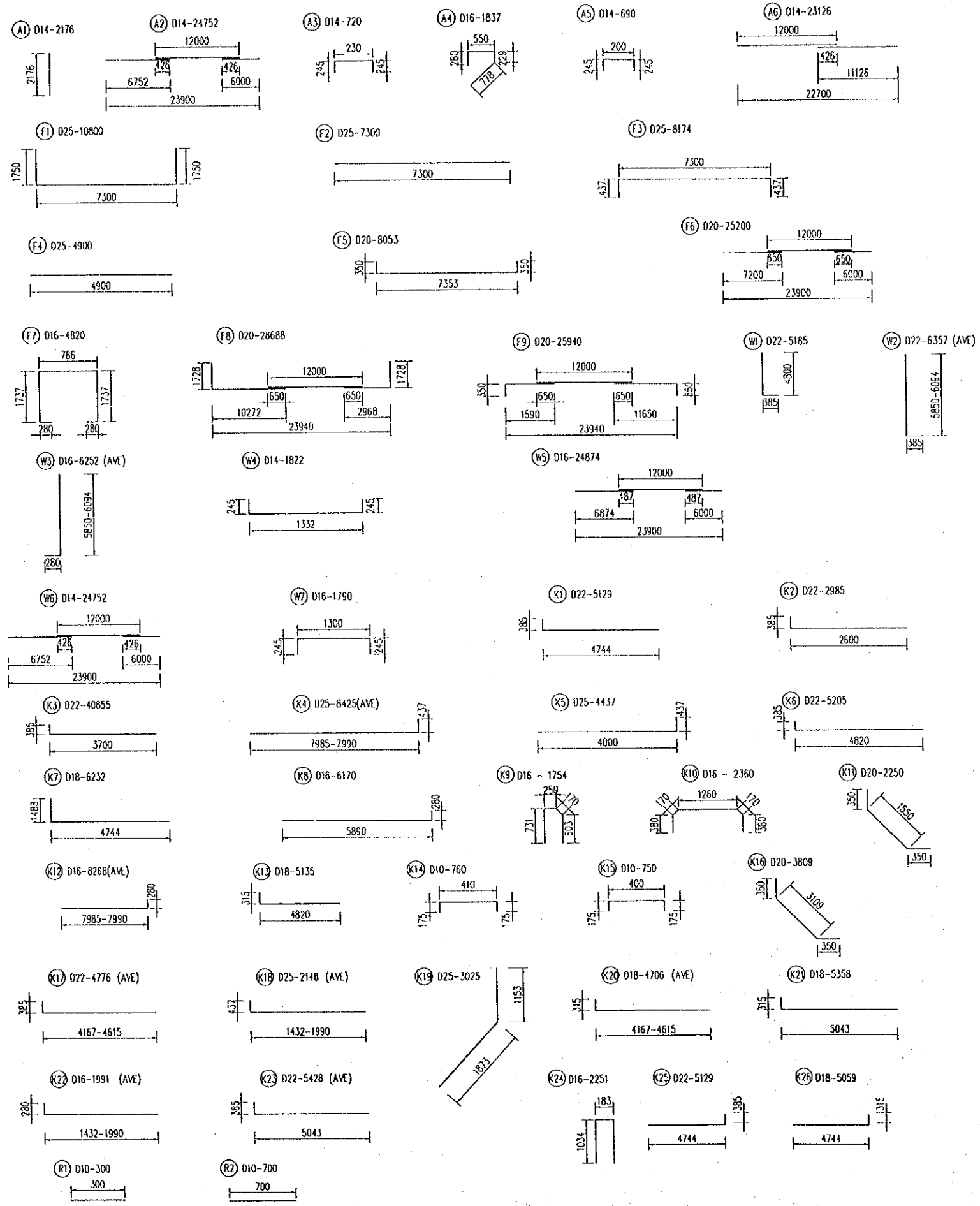
NOTE

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	SMALL TRA VA BRIDGE ABUTMENTS REINFORCEMENT OF ABUTMENT A1&A2 - SHEET2	P1/BR2/0290

D:\Project\CanTho 8-2000\BR2-Small Tra Va\Sua\P1-BR2-0280-0290-0300.dwg Mon Aug 28 15:17:20 2000 Quang Thành

LIST OF REINFORCEMENT (FOR ONE ABUTMENT)



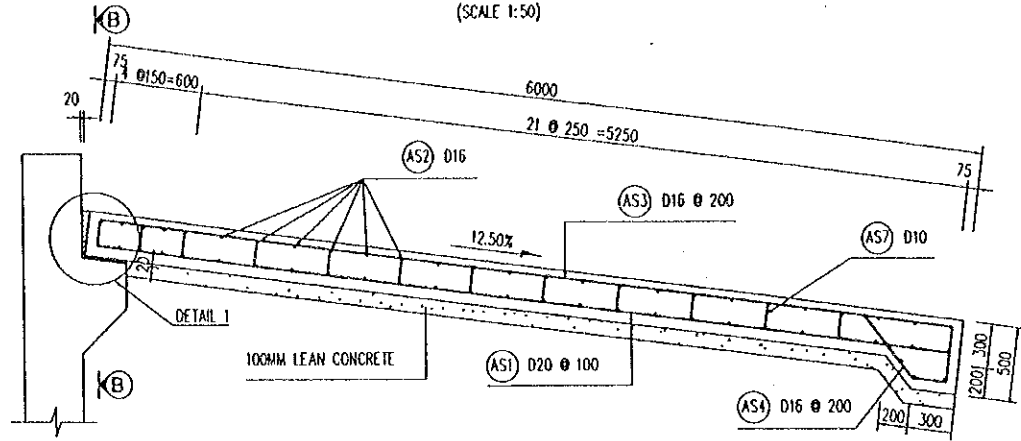
REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
A1	14	2176	289	1.208	759.7	
A2	14	24752	16	1.208	478.6	
A3	14	720	141	1.208	122.7	
A4	16	1837	97	1.578	281.2	
A5	14	690	97	1.208	80.9	
A6	14	23126	4	1.208	111.8	
F1	25	10800	97	3.853	4036.8	
F2	25	7300	96	3.853	2700.4	
F3	25	8174	97	3.853	3055.0	
F4	25	4900	96	3.853	1812.6	
F5	20	8053	16	2.466	317.8	
F6	20	25200	16	2.466	994.4	
F7	16	4820	155	1.578	1179.2	
F8	20	28688	30	2.466	2122.5	
F9	20	25940	30	2.466	1919.2	
W1	22	5185	94	2.984	1454.4	
W2	22	6357	97	2.984	1840.0	AVERAGE
W3	16	6252	97	1.578	957.2	AVERAGE
W4	14	1822	184	1.208	405.1	
W5	16	24874	17	1.578	667.4	
W6	14	24752	22	1.208	658.0	
W7	16	1790	97	1.578	274.0	
K1	22	5129	8	2.984	122.4	
K2	22	2985	14	2.984	153.9	
K3	22	4785	16	2.984	228.5	
K4	25	8425	28	3.853	909.0	AVERAGE
K5	25	4437	16	3.853	273.6	
K6	22	6217	32	2.984	593.7	
K7	18	6232	12	1.998	149.4	
K8	16	6170	10	1.578	97.4	
K9	16	1754	40	1.578	110.7	
K10	16	2360	2	1.578	7.4	
K11	20	2250	18	2.466	99.9	
K12	16	8268	28	1.578	365.4	AVERAGE
K13	18	6152	32	1.998	393.3	
K14	10	760	208	0.617	97.5	
K15	10	750	50	0.617	23.1	
K16	20	3809	34	2.466	319.4	
K17	22	4776	4	2.984	57.0	AVERAGE
K18	25	2148	6	3.853	49.7	AVERAGE
K19	25	3025	4	3.853	46.6	
K20	18	4706	6	1.998	56.4	AVERAGE
K21	18	5358	2	1.998	21.4	
K22	16	1991	6	1.578	18.9	AVERAGE
K23	22	5428	2	2.984	32.4	AVERAGE
K24	16	2251	40	1.578	142.1	
K25	22	5129	8	2.984	122.4	
K26	18	5059	8	1.998	80.9	
R1	10	300	80	0.617	14.8	
R2	10	700	40	0.617	17.3	
TOTAL				30833.4	kg	
D10:	152.7	kg	D20:	5773.2	kg	
D14:	2616.8	kg	D22:	4604.7	kg	
D16:	4100.9	kg	D25:	12883.7	kg	
D18:	701.4	kg				

NOTE

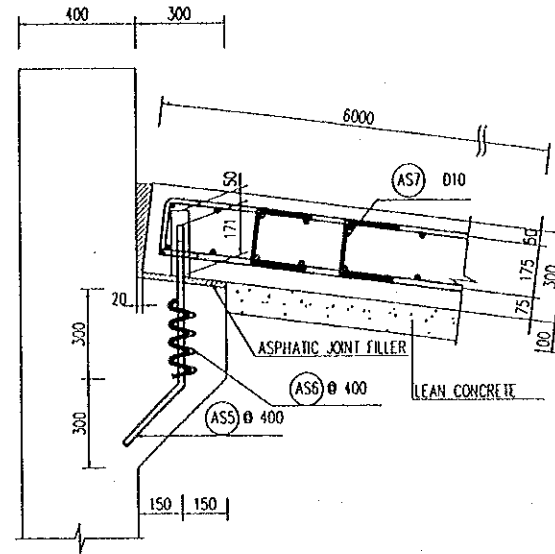
- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE ABUTMENTS REINFORCEMENT OF ABUTMENT A1&A2 - SHEET3	P1/BR2/0300
				SIGNATURE				
				DATE	20/9/2000	29/9/2000		

SECTION A - A
(SCALE 1:50)



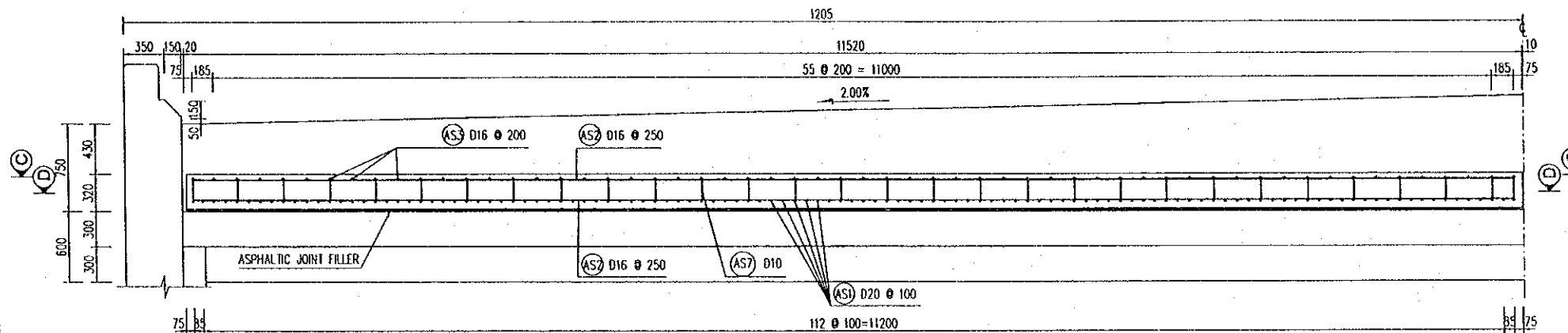
DETAIL 1
SCALE 1:25



LIST OF REINFORCEMENT

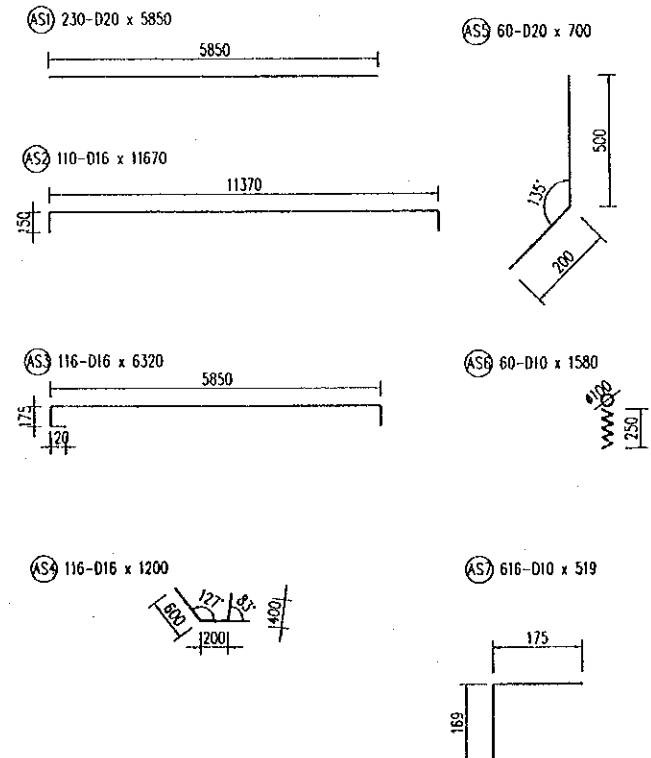
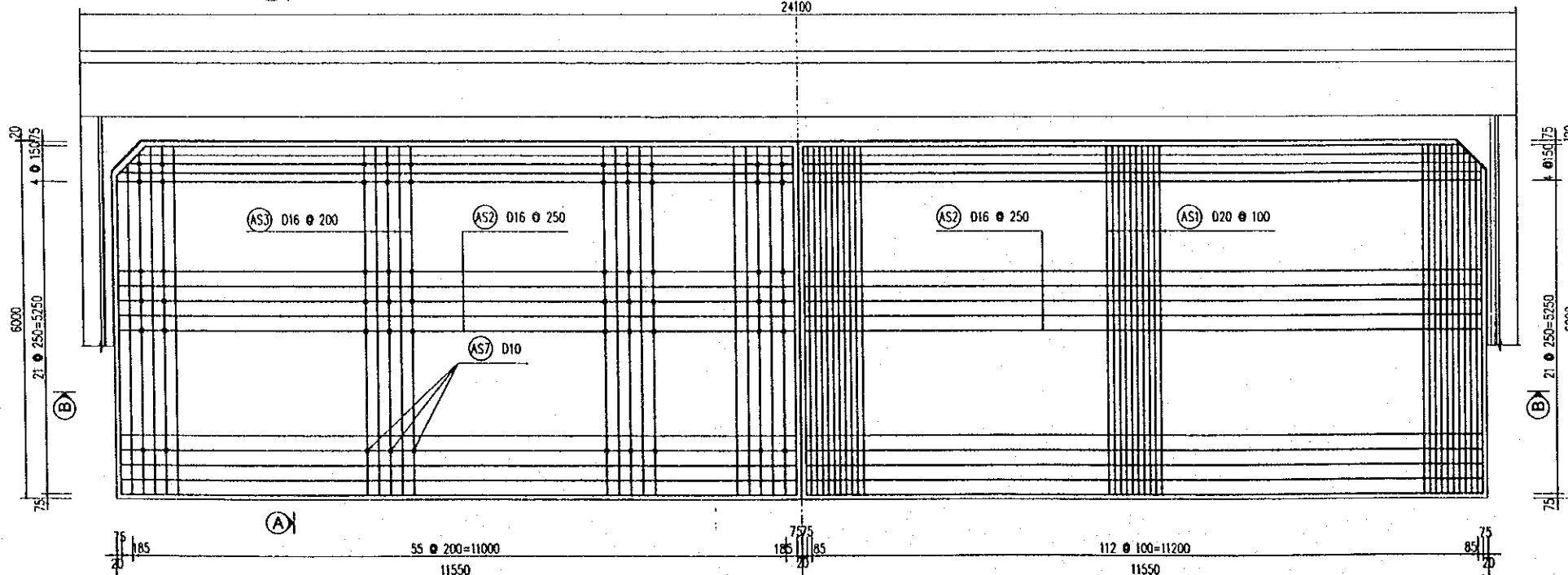
TYPE	D (mm)	LENGTH OF BAR (mm)	U.WEIGHT (kg/m)	NUMBER	WEIGHT (Kg)
AS1	D20	5850	2.466	230	3318.0
AS2	D16	11670	1.578	110	2025.7
AS3	D16	6320	1.578	116	1156.9
AS4	D16	1200	1.578	116	219.7
AS5	D20	700	2.466	60	103.6
AS6	D10	1580	0.617	60	58.5
AS7	D10	519	0.617	616	197.3
				D10	255.8 kg
				D16	3402.3 kg
				D20	3421.6 kg
TOTAL :					7079.7 kg
CONCRETE :					43.4 m³
LEAN CONCRETE :					13.4 m³
ASPHALTIC JOINT FILLER :					0.6 m³

HALF SECTION B - B
(SCALE 1:50)



HALF SECTION C - C
(SCALE 1:100)

HALF SECTION D - D
(SCALE 1:100)



NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	NAME T. Kametani SIGNATURE DATE 20/9/2000	NAME K. Matsumoto SIGNATURE DATE 29/9/2000	NAME K. Enomoto SIGNATURE DATE 5/10/2000	SMALL TRA VA BRIDGE ABUTMENTS DETAILS OF APPROACH SLAB	P3/BR4/0320

QUANTITY TABLE OF ABUTMENTS

ITEMS		UNIT	ABUTMENT A1	ABUTMENT A2	TOTAL	
A- ABUTMENT						
PILE	NUMBER OF PILES	PILE	10.0	10.0	20	
	TOTAL LENGTH OF BORED PILES ϕ 1500MM	M	660.0	660.0	1320	
	CONCRETE CLASS D	M3	1166.3	1166.3	2333	
	REINFORCEMENT	D32	KG	22727.0	22727.0	45454
		D25	KG	35487.0	35487.0	70974
		D22	KG	3542.0	3542.0	7084
		D16	KG	334.0	334.0	668
		D10	KG	10386.0	10386.0	20772
TOTAL	KG	72476.0	72476.0	144952		
ABUTMENT	CONCRETE CLASS E	M3	582.8	582.8	1166	
	REINFORCEMENT	D25	KG	12883.7	12883.7	25767
		D22	KG	4604.7	4604.7	9209
		D20	KG	5773.2	5773.2	11546
		D18	KG	701.4	701.4	1403
		D16	KG	4100.9	4100.9	8202
		D14	KG	2616.8	2616.8	5234
		D10	KG	152.7	152.7	305
	TOTAL	KG	30833.4	30833.4	61667	
	LEAN CONCRETE CLASS G	M3	16.9	16.9	34	
	BLINDING STONE	M3	33.9	33.9	68	
EXCAVATION	M3	1217.2	1201.7	2419		
FILLING	M3	576.5	561.0	1138		
B- APPROACH SLAB						
	CONCRETE CLASS E	M3	43.2	43.2	86	
	LEAN CONCRETE CLASS G	M3	13.3	13.3	27	
	ASPHANTIC JOINT FILLER T=20MM	M3	0.4	0.4	0.8	
	REINFORCEMENT	D20	KG	3421.6	3421.6	6843
		D16	KG	3402.3	3402.3	6805
		D10	KG	255.8	255.8	512
		TOTAL	KG	7079.7	7079.7	14159
C- SLOPE PROTECTION						
	STONE MASONRY T=300MM	M3	563.9	660.7	1225	
	BLINDING AGGREGATE T=100MM	M3	187.6	220.2	408	
	GEOTEXTILE	M2	622.0	946.0	1568	
	PVC PILE F 50MM DIA., L=1000MM	M	66.0	69.0	135	
	EXCAVATION	M3	568.0	595.0	1163	
	FILLING	M3	395.0	413.0	808	
	WOODEN PILE L=3M	M	7891.0	8264.0	16155	
FOOTING	BLINDING STONE	M3	10.5	11.0	22	
	STONE MASONRY T=300MM	M3	47.3	49.6	97	

NOTES:

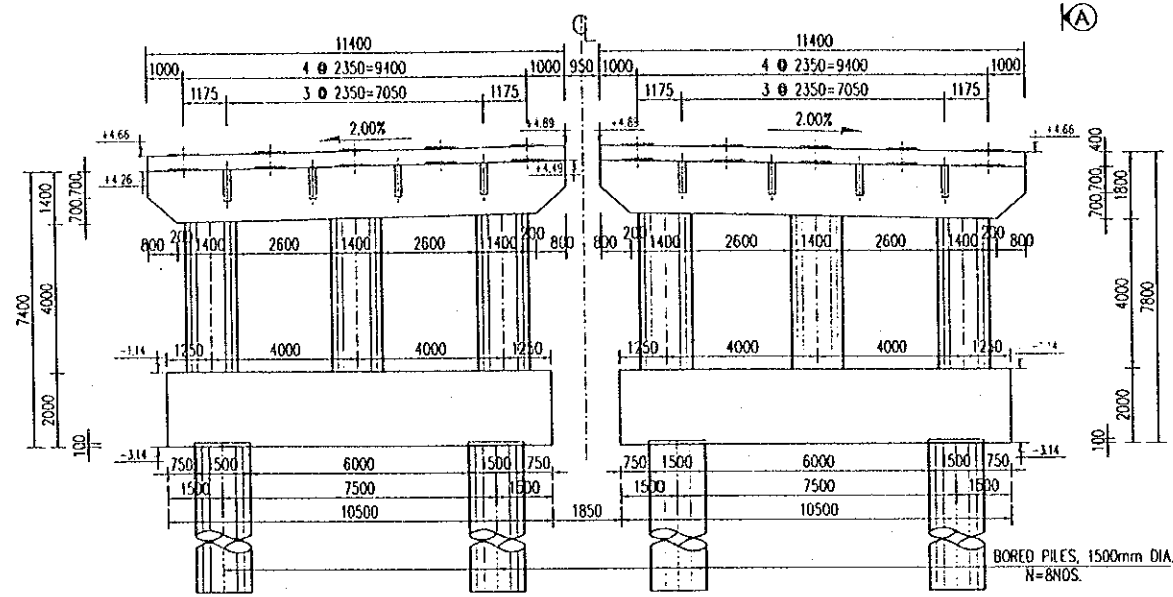
- 1 - FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.
- 2 - QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME T. Kamclani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE ABUTMENTS QUANTITY TABLE OF ABUTMENTS	P1/BR2/0330
				SIGNATURE 				
				DATE 20/9/2000	29/9/2000	5/10/2000		

IV. PIERS

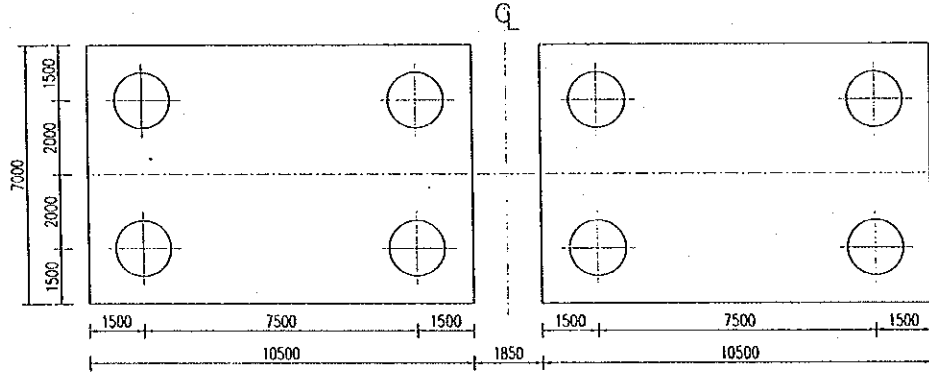
PIER P1(P2)

SCALE 1:200



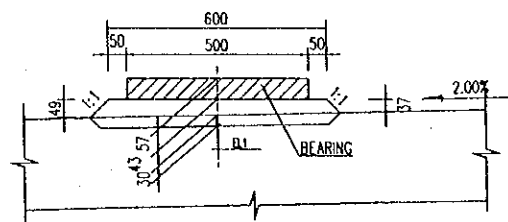
PILE CAP - PLAN

SCALE 1:200

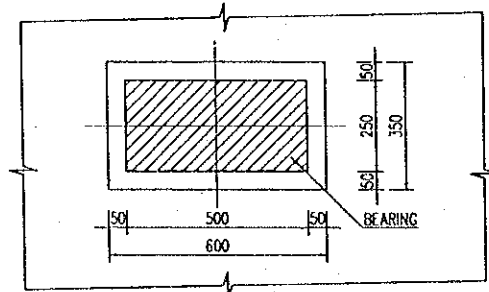


DETAIL "A"

SCALE 1:20

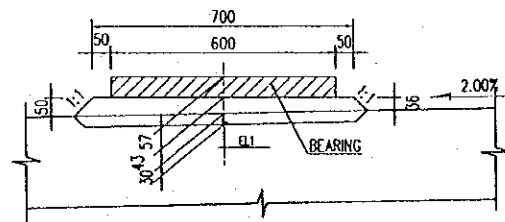


PLAN

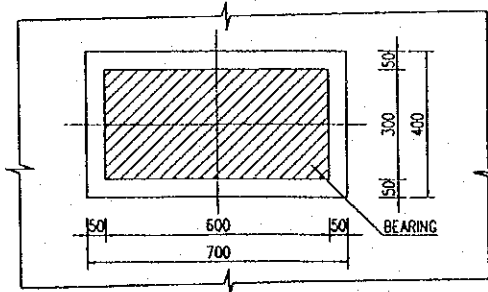


DETAIL "B"

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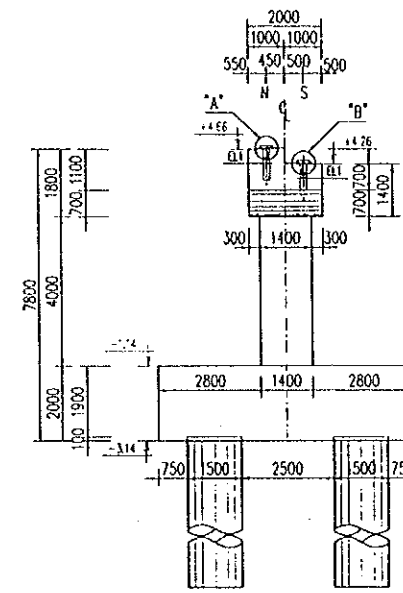


PLAN



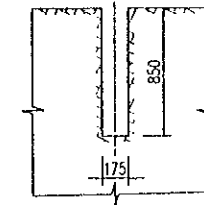
A - A

SCALE 1:200



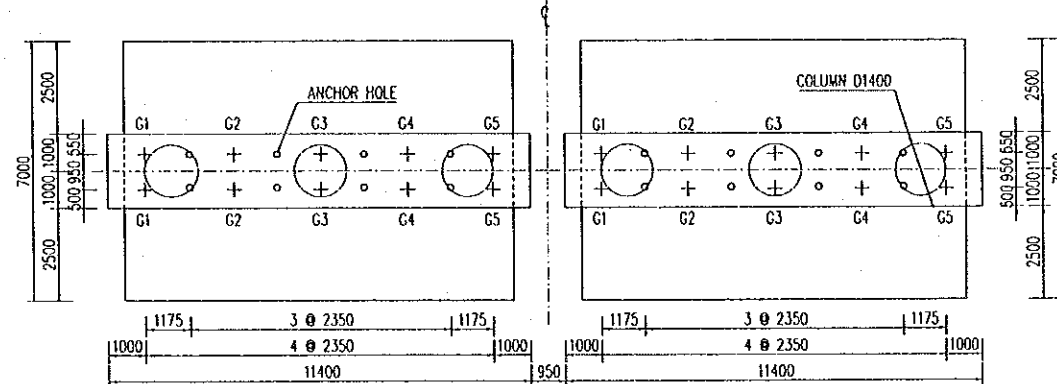
DETAIL OF ANCHOR HOLE

SCALE 1:50



GIRDER BEARING SEAT - PLAN

SCALE 1:200



GIRDER BEARING SEAT ELEVATION OF EL1

PIER TYPE	GROUT PAD	G1	G2	G3	G4	G5
		N	4.697	4.744	4.791	4.838
P1	S	4.295	4.342	4.389	4.436	4.483
	N	4.295	4.342	4.389	4.436	4.483
P2	S	4.697	4.744	4.791	4.838	4.885

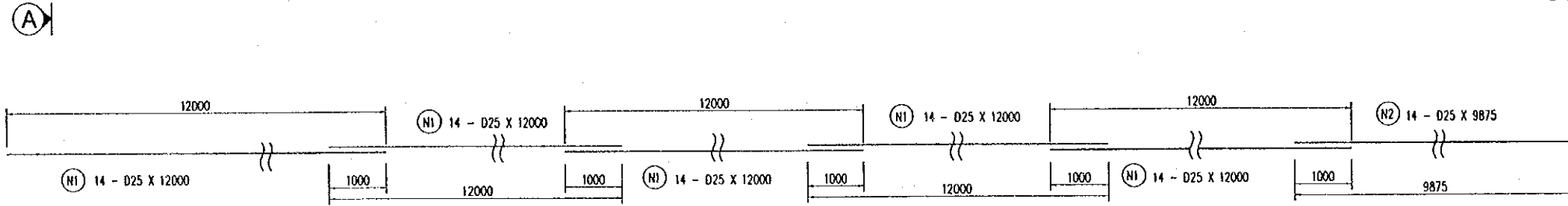
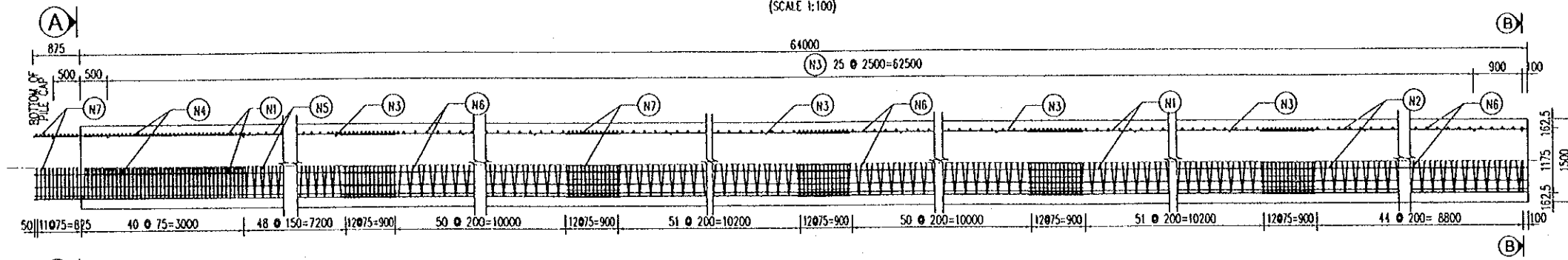
NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P1/BR2/0030

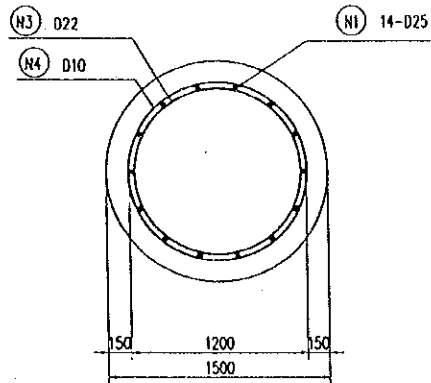
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Kamctani SIGNATURE: [Signature] DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	SMALL TRA VA BRIDGE PIERS GENERAL VIEW OF PIERS P1&P2	P1/BR2/0340

BORED CAST IN-SITU PILE DETAILS FOR PIERS P1&P2

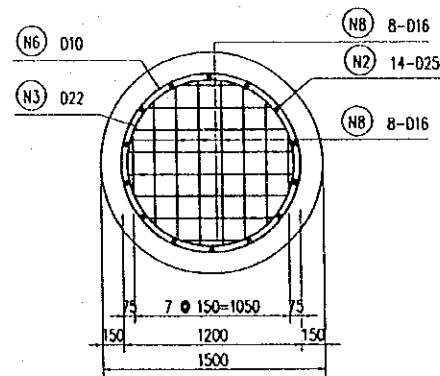
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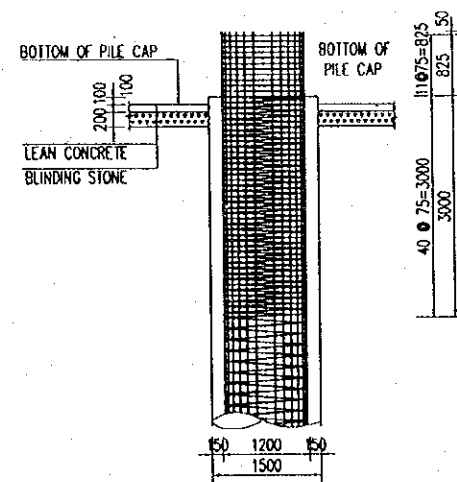
SECTION A-A
(SCALE 1:50)



SECTION B-B
(SCALE 1:50)



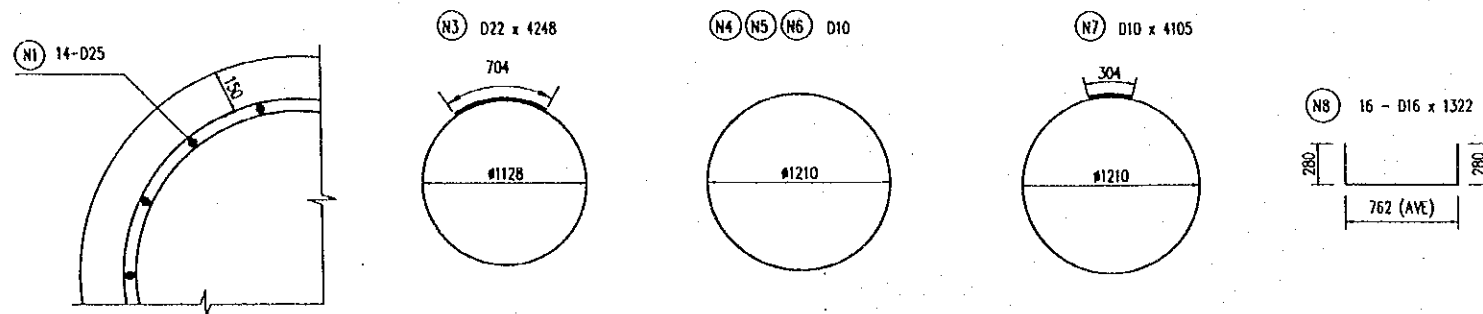
DETAIL OF CONCRETE PILE HEAD
(SCALE 1:100)



MATERIAL OF PILE

TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUME (m ³)	
N1	D25	12000	3.853	70	3236.5	113.1	
N2	D25	9875	3.853	14	532.7		
N3	D22	4228	2.984	28	534.9		
N4	D10	15205.3	0.617	1	93.8		
N5	D10	18246.4	0.617	1	112.6		
N6	D10	93892.8	0.617	1	579.3		
N7	D10	4105	0.617	77	195.0		
N8	D16	1322	1.578	16	33.4		
					D10	980.7 kg	
					D16	33.4 kg	
					D22	354.9 kg	
					D25	3769.2 kg	
					TOTAL	5138.2 kg	

DETAIL OF COVERING
(SCALE 1:25)



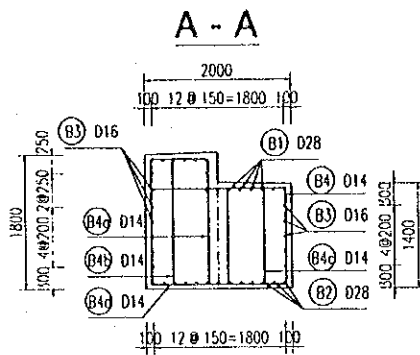
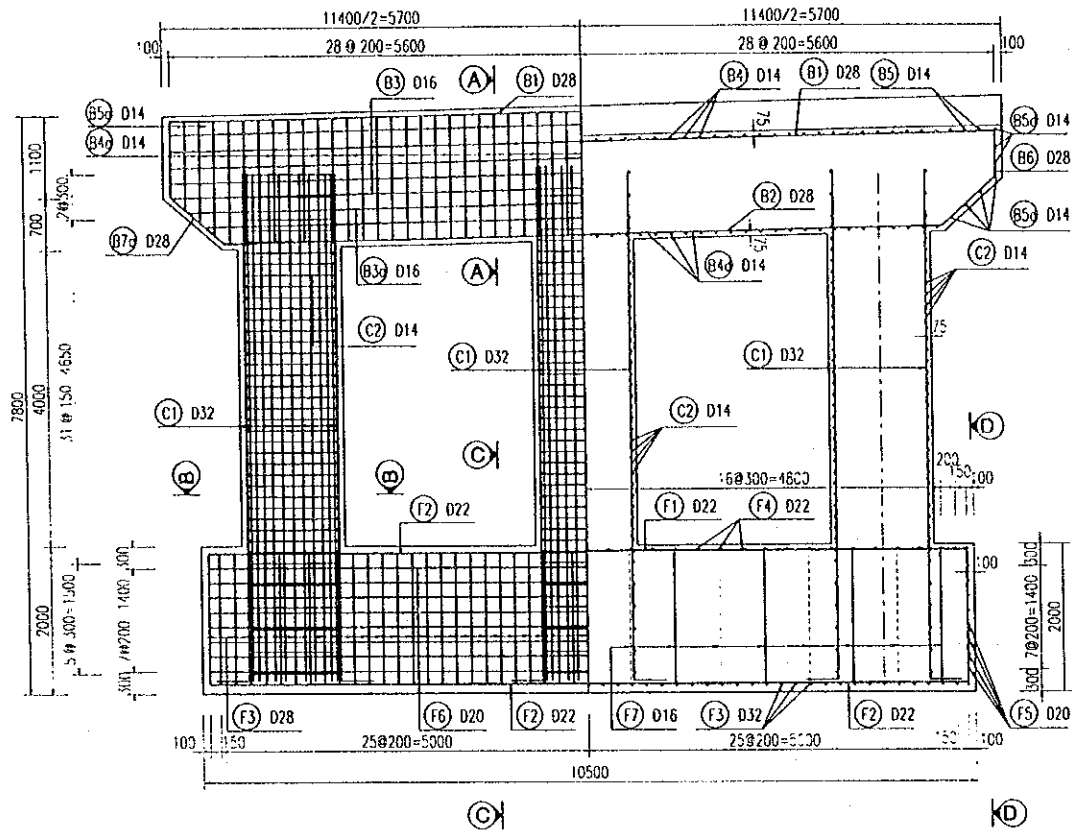
NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR2/0030.

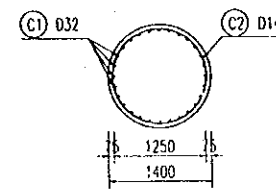
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE PIERS P1&P2 BORED PILE DETAILS - L= 64m.	P1/BR2/0350
				SIGNATURE: <i>T. Kametani</i>	SIGNATURE: <i>K. Matsumoto</i>	SIGNATURE: <i>K. Enomoto</i>		
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

BAR ARRANGEMENT OF PIER

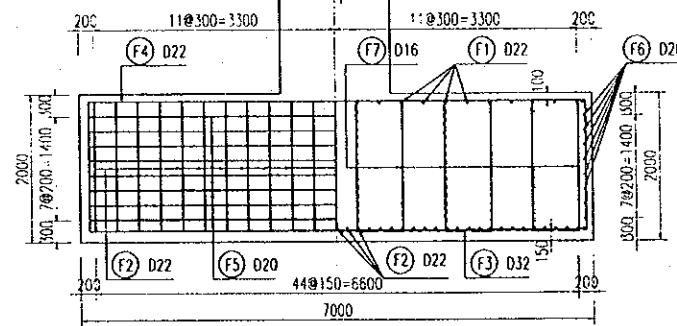
(SCALE 1:100)



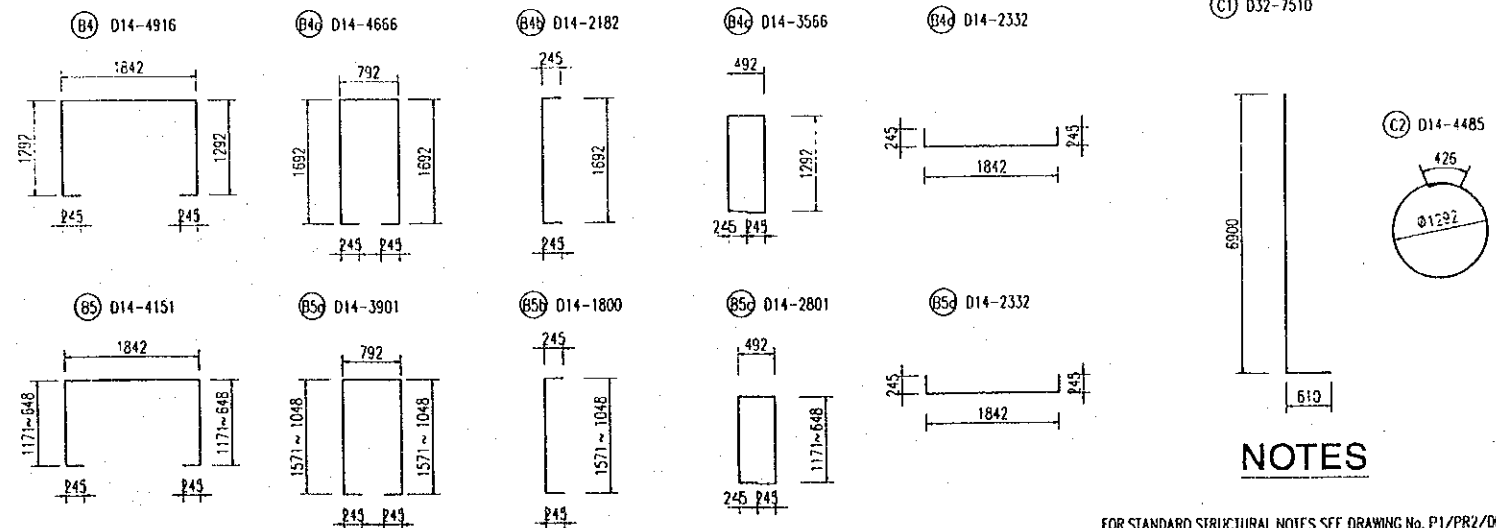
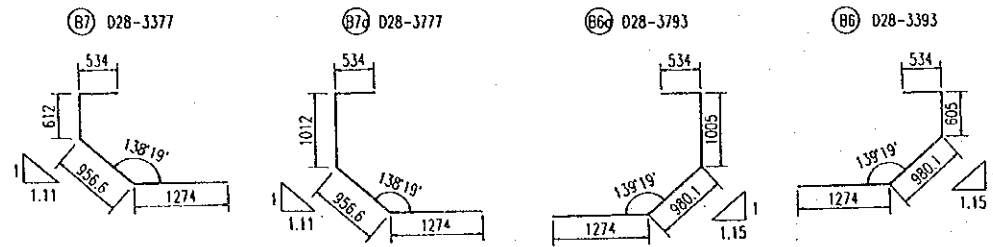
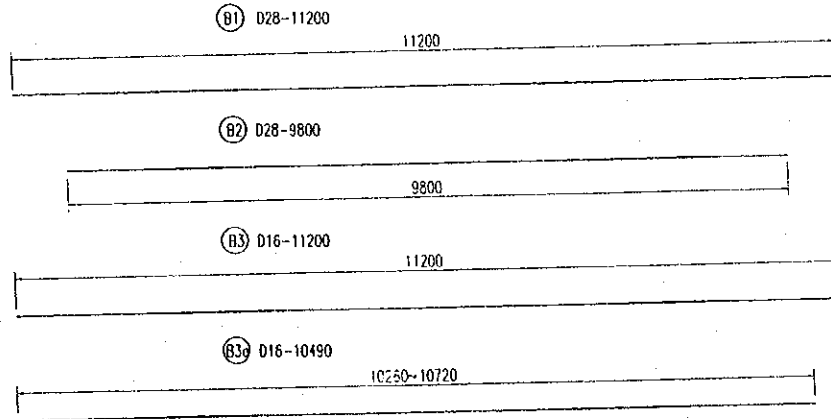
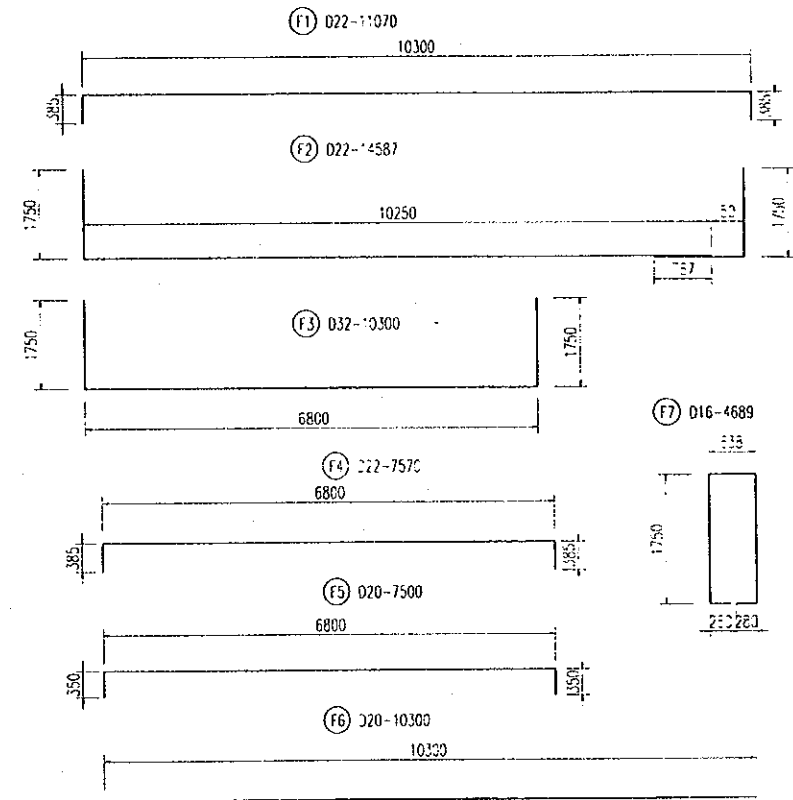
B - B



1/2D - D



1/2C - C





NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P1/PR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	T. Kametani 20/9/2000	K. Matsumoto 29/9/2000	K. Enomoto 5/10/2000	SMALL TRA VA BRIDGE PIERS BAR ARRANGEMENT OF PIERS P1 & P2-SHEET 1	P1/BR2/0360

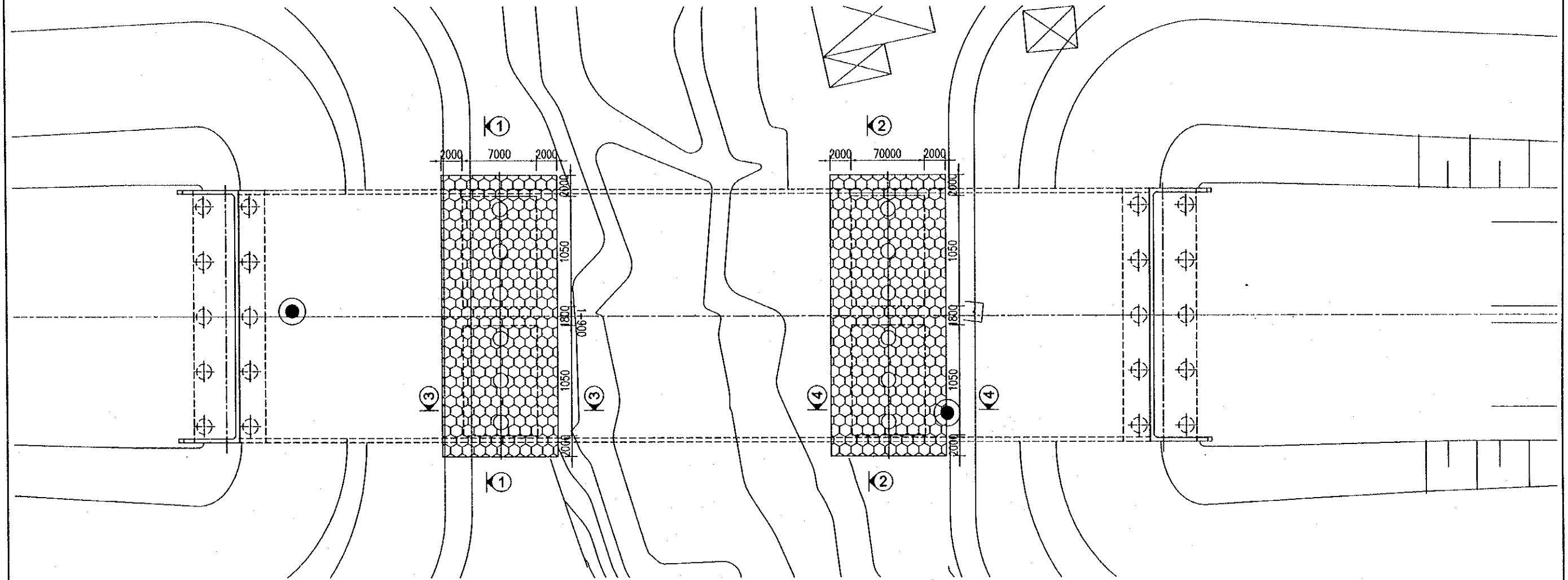
LIST OF REINFORCEMENT FOR PIER 1 & 2

DETAIL	No	DIAMETER (mm)	LENGTH (mm)	QUANTITY	UNITWEIGHT (Kg/m)	TOTALSTEEL (Kg)
PIER CAP	R1	10	5600	10	0.617	34.6
	B1	28	11200	14	4.834	758.0
	B2	28	9800	13	4.834	615.9
	B3	16	11200	9	1.578	159.1
	B3A	16	10490	4	1.578	66.2
	B4	14	4916	49	1.208	291.0
	B4A	14	4666	49	1.208	276.2
	B4B	14	2182	49	1.208	129.2
	B4C	14	3566	49	1.208	211.1
	B4D	14	2332	49	1.208	138.0
	B5	14	4151	8	1.208	40.1
	B5A	14	3901	8	1.208	37.7
	B5B	14	1800	6	1.208	13.0
	B5C	14	2801	6	1.208	20.3
	B5D	14	2332	14	1.208	39.4
	B6	28	3393	7	4.834	114.8
	B6A	28	3793	5	4.834	91.7
	B7	28	3377	7	4.834	114.3
	B7A	28	3777	5	4.834	91.3
	COLUMN	C1	32	7510	84	6.313
C2		14	4485	117	1.208	633.9
FOOTING	F1	22	11070	25	2.984	825.8
	F2	22	14587	47	2.984	2045.8
	F3	32	10300	53	6.313	3446.5
	F4	22	7570	37	2.984	835.8
	F5	20	7500	16	2.466	295.9
	F6	20	10300	16	2.466	406.1
	F7	16	4689	94	1.578	695.5
TOTAL	D10			34.6	(Kg)	
	D14			1829.9	(Kg)	
	D16			920.8	(Kg)	
	D20			702.0	(Kg)	
	D22			3707.4	(Kg)	
	D28			1786.0	(Kg)	
	D32			7429.0	(Kg)	
	TOTAL			16409.7	(Kg)	
	CONCRETE (24 MPa)			200.65	(M ³)	

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOBI CO.,LTD.	NAME T. Kametani SIGNATURE <i>T. Kametani</i> DATE 20/9/2000	NAME K. Matsumoto SIGNATURE <i>K. Matsumoto</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	SMALL TRA VA BRIDGE PIERS BAR ARRANGEMENT OF PIER P1 & P2-SHEET 2	P1/BR2/0370

PLAN

(SCALE 1 : 250)



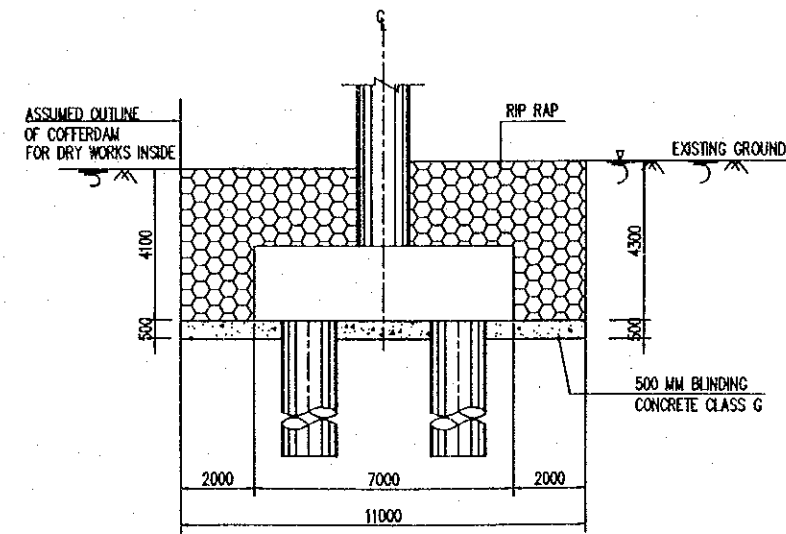
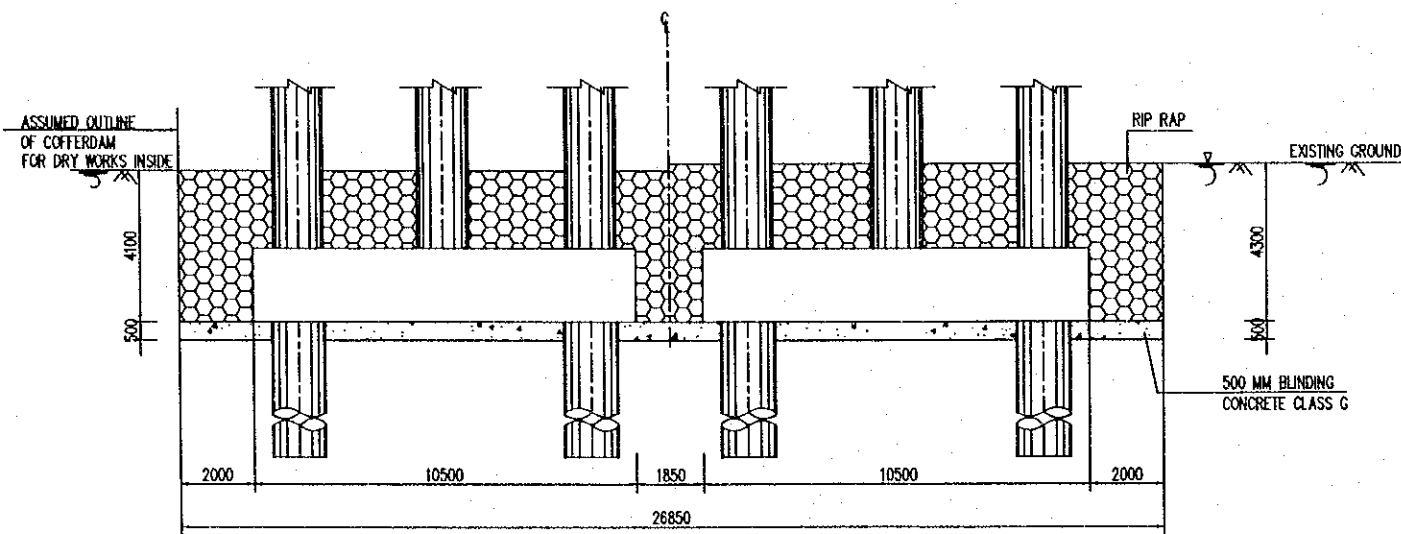
HALF SECTION 1-1

(SCALE 1:200)

HALF SECTION 2-2

HALF SECTION 3-3 HALF SECTION 4-4

(SCALE 1:200)



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING No.BR2/0030.
2. BLINDING CONCRETE CLASS G : 562.4 m³
3. RIP RAP : 1614.6 m³

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE PIERS PROTECTION	P1/BR2/0380
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

QUANTITY TABLE OF PIER

ITEMS		UNIT	PIER 1	PIER 2	TOTAL	
PILE	NUMBER OF PILES	PILE	8	8	16	
	TOTAL LENGTH BORED PILES D=1500MM DIA.	m	512.0	512.0	1024.0	
	CONCRETE PILES CLASS D	m ³	904.8	904.8	1809.6	
	EXCAVATION	m ³	961.3	964.2	1925.5	
	REINFORCEMENT	D10	kg	7845.6	7845.6	15691.2
		D16	kg	267.2	267.2	534.4
		D22	kg	2839.2	2839.2	5678.4
		D25	kg	30153.6	30153.6	60307.2
		TOTAL	kg	41105.6	41105.6	82211.2
	PIERS	CONCRETE CLASS E	m ³	401.3	401.3	802.6
REINFORCEMENT		D10	kg	34.6	34.6	69.2
		D14	kg	1829.9	1829.9	3659.8
		D16	kg	920.8	920.8	1841.6
		D20	kg	702.3	702.3	1404.6
		D22	kg	3707.4	3707.4	7414.8
		D28	kg	1786.0	1786.0	3572.0
		D32	kg	7428.8	7428.8	14857.6
		TOTAL	kg	16409.8	16409.8	32819.6
FORM		CURVE	m ²	108.6	108.6	217.1
		FLAT	m ²	265.5	265.5	531.0
SCAFFOLDING WORK		H < 4M	m ²	254.4	254.4	508.8
		4M < H < 30M	m ²	237.6	237.6	475.3
SUPPORT			m ³	118.5	118.5	237.0
EARTH WORK		EXCAVATION FOR FOUNDATION	m ³	1351.5	1410.6	2762.2
		EXCESS SOIL	m ³	573.8	573.8	1147.6
		BLINDING CONCRETE CLASS C	m ³	281.2	281.2	562.4
		RIP RAP	m ³	777.7	836.8	1614.6
COFFERDAMS		SHEET PILE LARSEN IV	m	2328.0	2328.0	4656.0
		STEEL PILE I 400	m	480.0	480.0	960.0
	BRACE C 300	m	784.0	784.0	1568.0	

NOTES:

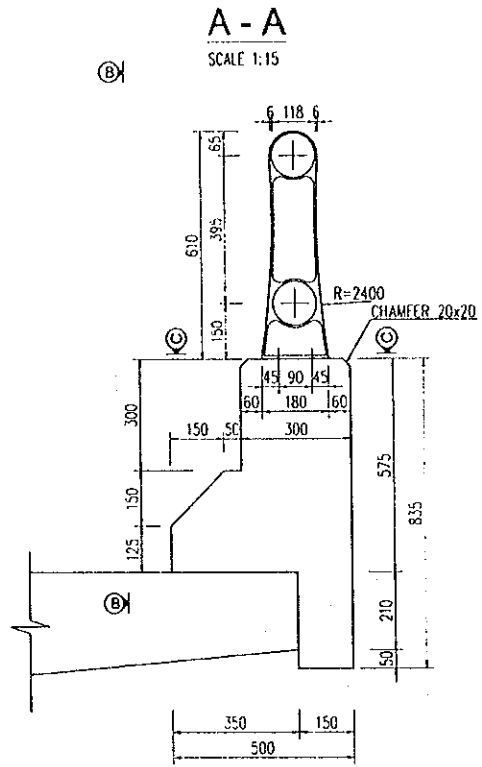
- 1- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR2/0030.
- 2- QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY			DRAWING TITLE	DWG NO.
				NAME	CHECKED BY	APPROVED BY		
				JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.		

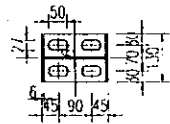
V. MISCELLANEOUS

DETAIL OF PARAPET AND RAILING

SCALE 1:20

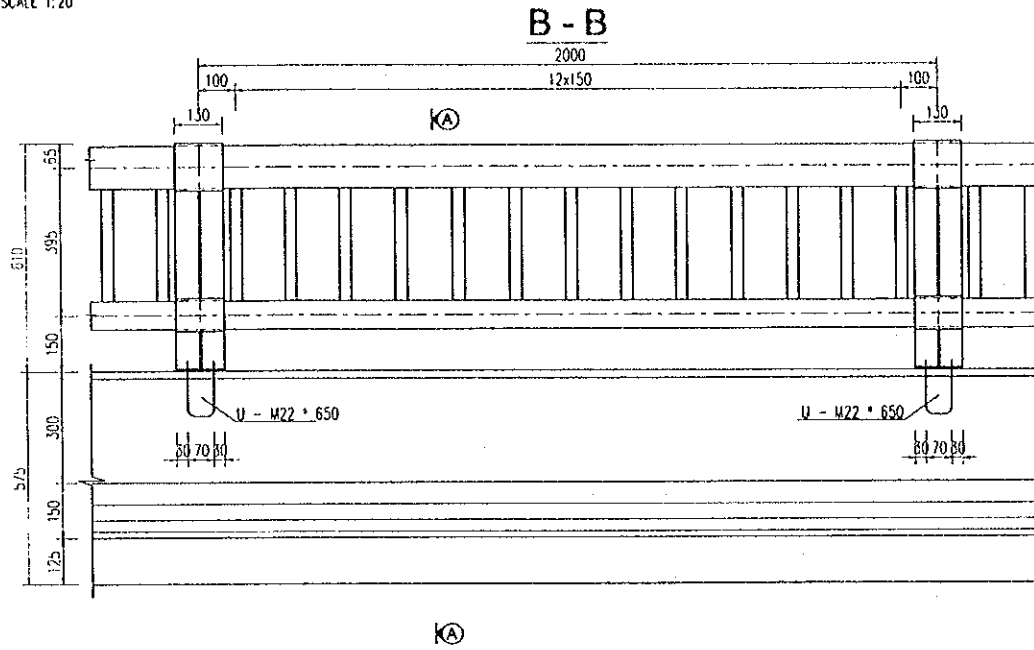


C - C



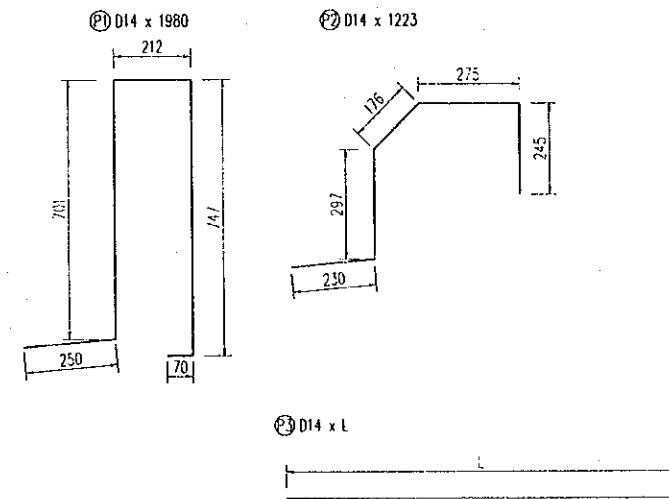
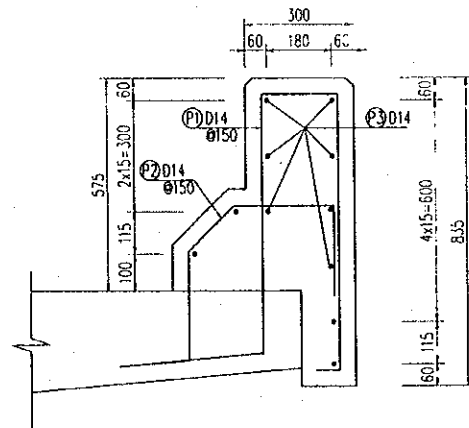
NOTES:

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANISED FOLLOWED BY SPECIFICATION PAINT PROTECTION SYSTEM.



REINFORCEMENT OF PARAPET

SCALE 1:20



QUANTITY OF RAILING (PER 10M LONG)

ITEM	SIZE	MATERIAL	UNIT WEIGHT	QUANTITY	UNIT	WEIGHT(KG)	REMARK
POST	610*180*130	FCD-450	18.1	5	EACH	90.5	GALVANIZING
UPPER RAIL	114.3*3.5T	STK-400	19.5	10	M	195.0	
BOTTOM RAIL	76.3*2.5T	STK-400	5.77	10	M	57.7	
CONNECTION	490*300	STK-400	2.13	1.67	EACH	3.6	
	67.5*300	STK-400	1.4	1.67	EACH	2.3	
ANCHO BOLT	M22. 650	SS-400	2.9	20	EACH	58.0	
VERTICAL MEMBER	F86*32*300	SS-400	2.09	65	EACH	135.9	

LIST OF REINFORCEMENT OF PARAPET (PER 10M LONG)

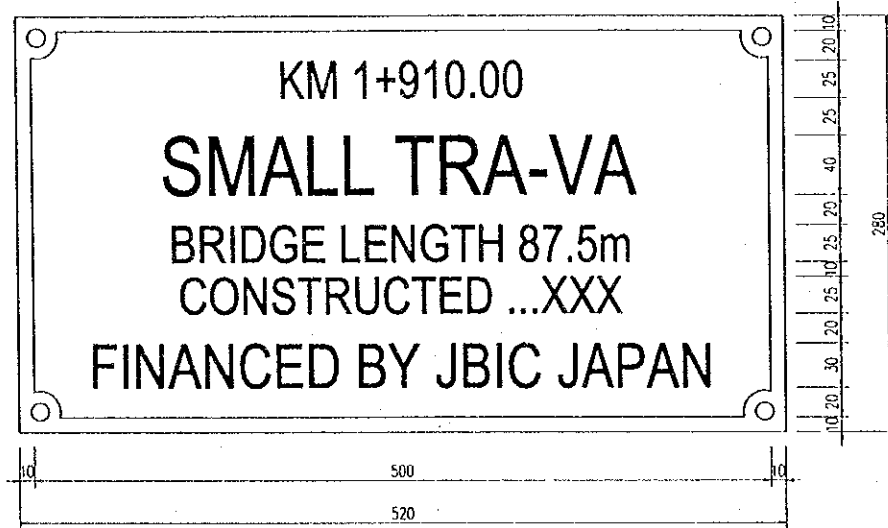
NAME	DIAMETER (mm)	LENGTH (mm)	NUMBER	U. WEIGHT (kg/m)	WEIGHT (kg)
P1	14	1980	68	1,208	162.6
P2	14	1223	68	1,208	100.5
P3	14	10000	11	1,208	132.9
D14 CONCRETE				396.1	kg
				2.56	m ³

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kamelani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE MISCELLANEOUS DETAILS OF PARAPET AND RAILINGS	P1/BR2/0400
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

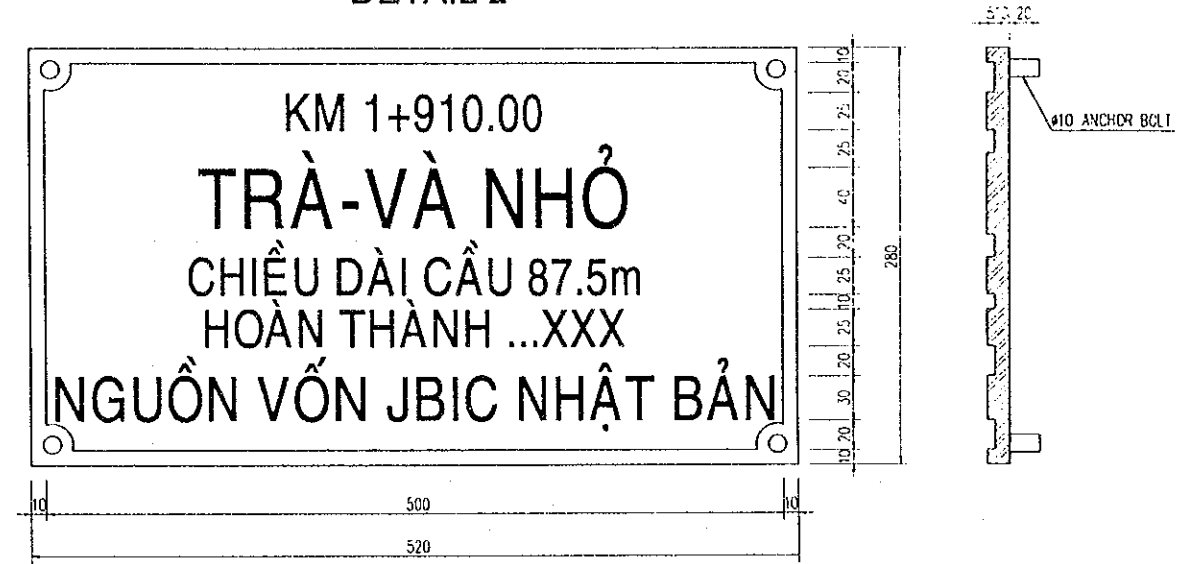
DETAIL OF BRIDGE NAME PLAQUE

SCALE 1:5

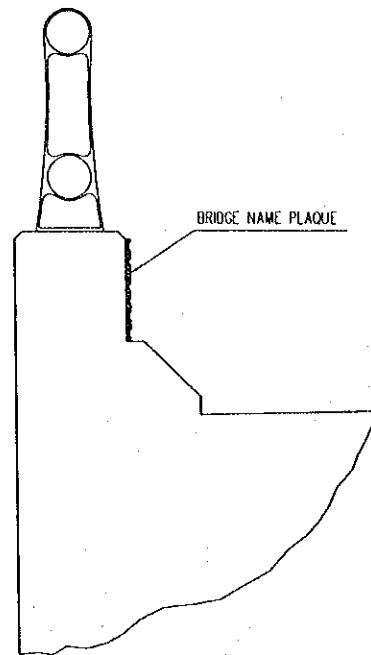
DETAIL 1



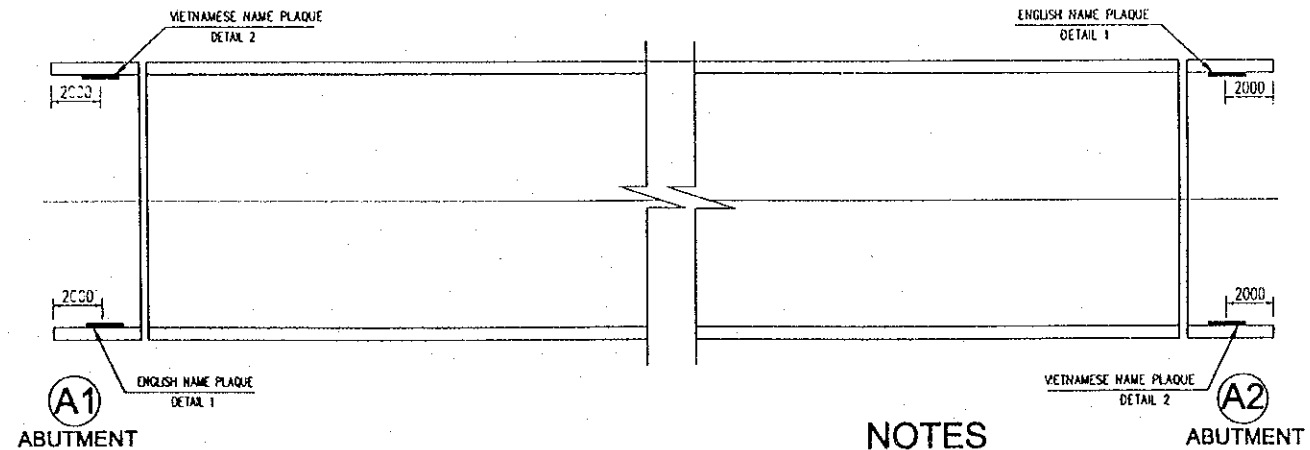
DETAIL 2



LOCATION OF NAME PLAQUE



PLAN



NOTES

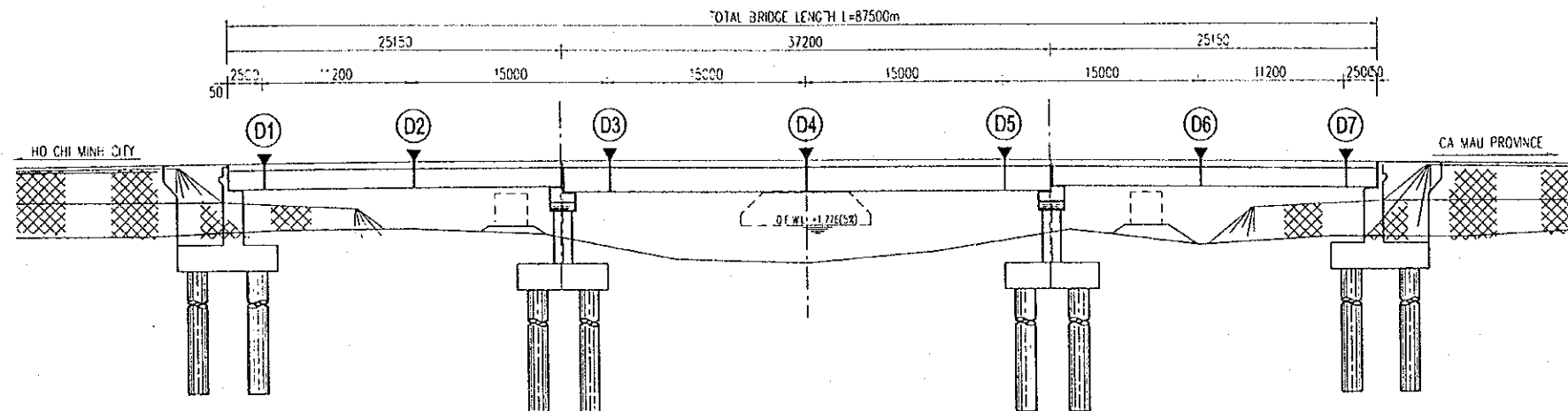
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING No.P1/BR2/0030.
2. MATERIAL SHALL BE BRONZE.
3. THE DATE TO BE ENTERED AGAINST CONSTRUCTED SHALL BE AS INSTRUCTED BY THE ENGINEER.
4. ONE PLATE SHALL BE WRITTEN IN ENGLISH AND ONE IN VIETNAMESE.
THE EXACT FIXING LOCATIONS TO BE INSTRUCTED BY THE ENGINEER.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA-VA BRIDGE MISCELLANEOUS BRIDGE NAME PLAQUE	P1/BR2/0410
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

DRAINAGE AND LIGHTING POLES LAYOUT

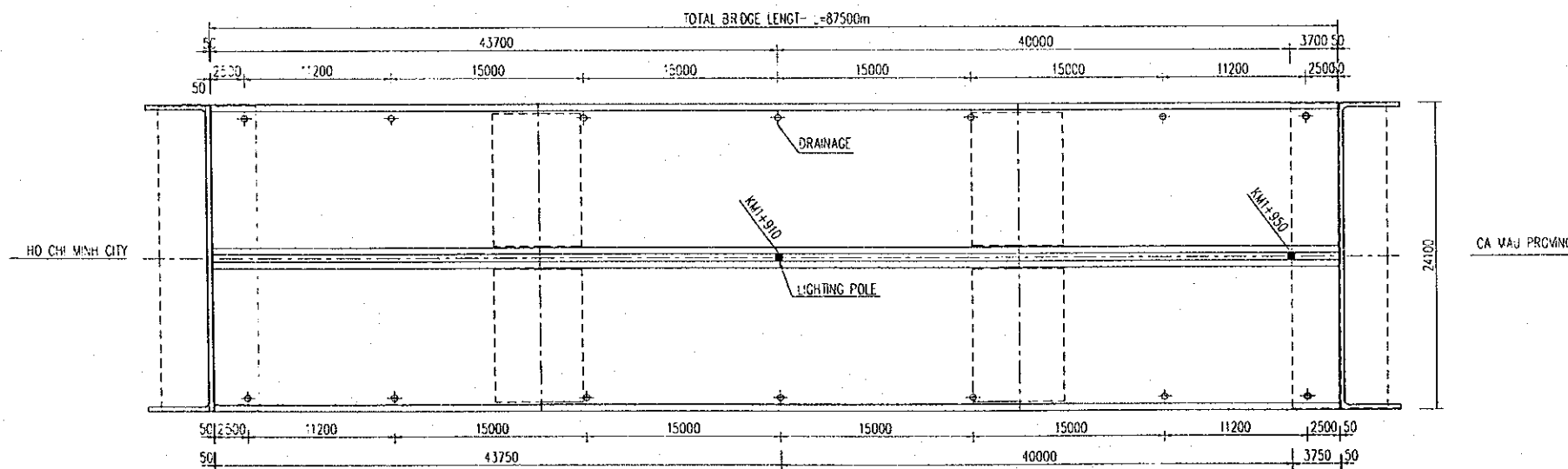
ELEVATION

(SCALE 1:500)



PLAN

(SCALE 1:500)



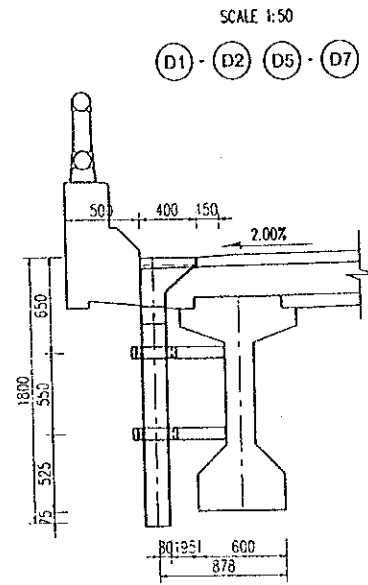
NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR2/0030

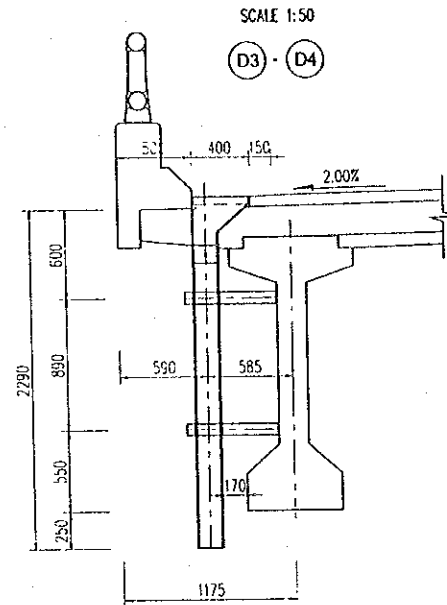
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO., LTD.	NAME	T. Kametani	K. Matsumoto	SMALL TRA VA BRIDGE MISCELLANEOUS DRAINAGE AND LIGHTING POLES LAYOUT	BR2/0420
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>		
				DATE	20/9/2000	29/9/2000		
						K. Enomoto		

DETAILS OF DRAINAGE ON BRIDGE

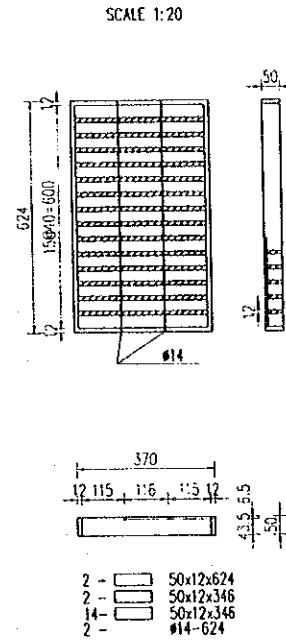
DRAINAGE TYPE A



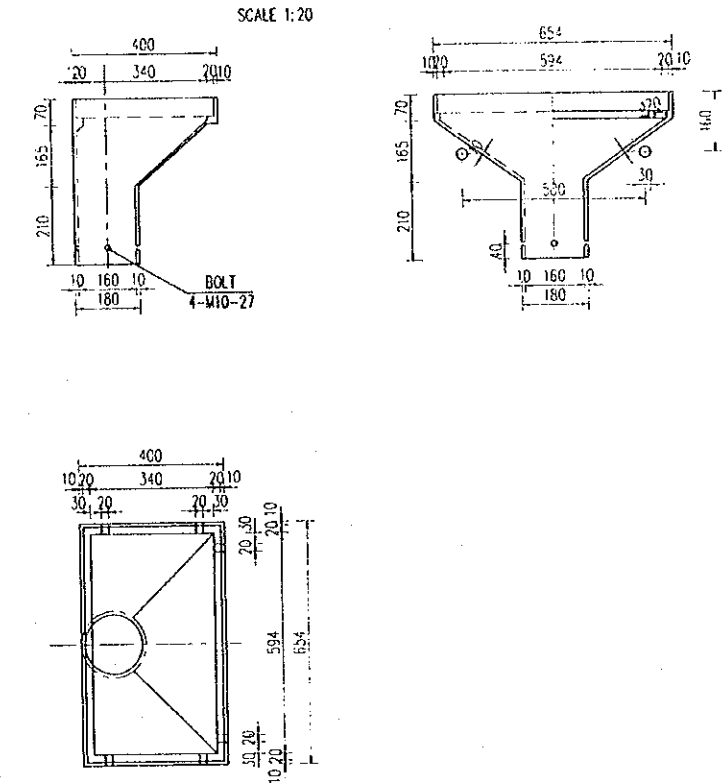
DRAINAGE TYPE B



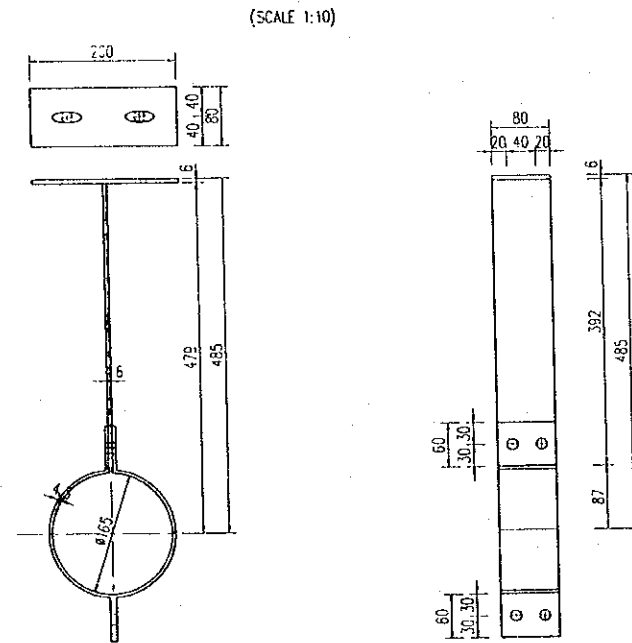
SCREEN



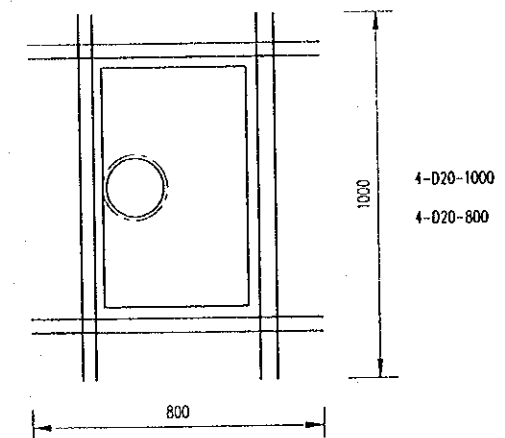
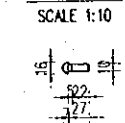
DRAIN BOX



HANGER



BOLT



NOTES

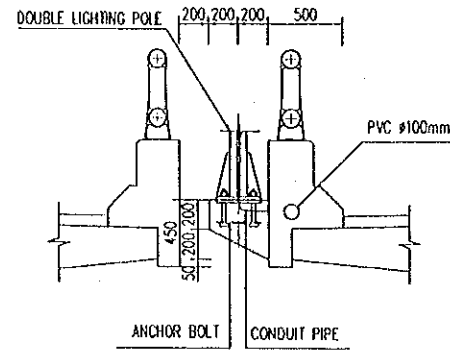
FOR STANDARD STRUCTURAL NOTES SEE DRAWING P1/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	SMALL TRA VA BRIDGE MISCELLANEOUS DETAILS OF DRAINAGE ON BRIDGE	P1/BR2/0430
				NAME	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

DETAILS OF LIGHTING POLES' BASE

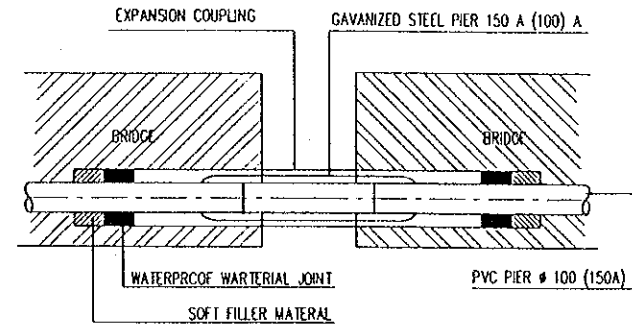
CROSS SECTION

(SCALE : 1:50)



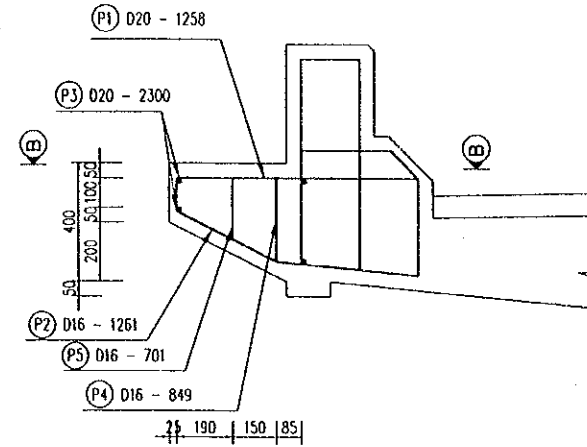
CONDUIT EXPANSION JOINT FOR BRIDGE

(SCALE 1:25)



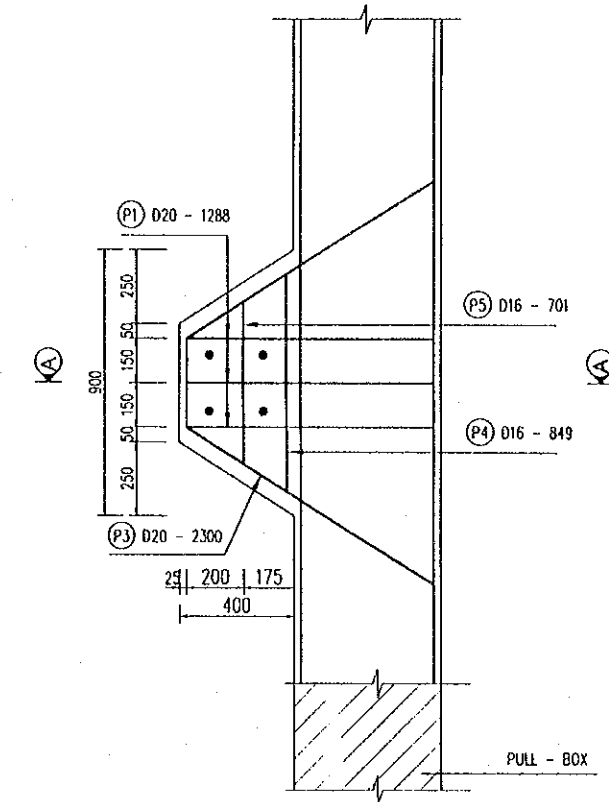
SECTION A-A

(SCALE 1:25)



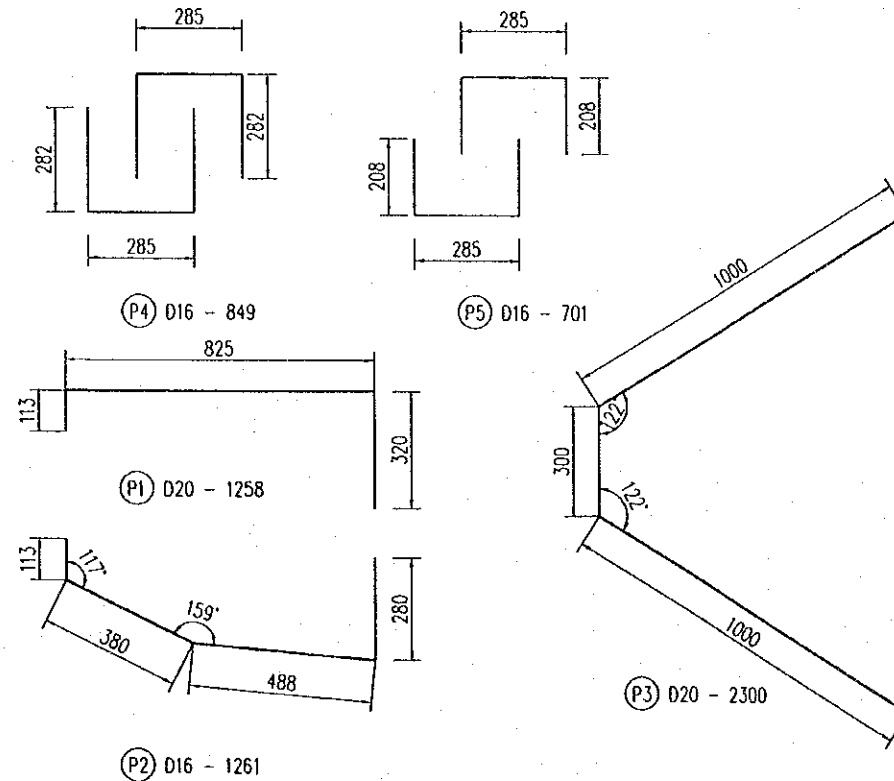
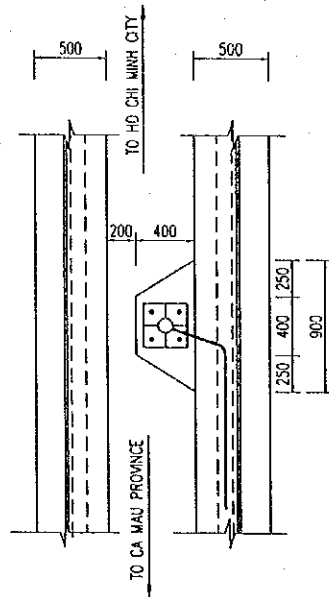
SECTION B-B

(SCALE 1:25)



PLAN

(SCALE : 1:50)



LIST OF REINFORCEMENT

REIN NO	DIAMETER (mm)	LENGTH (mm)	U.WEIGHT (kg/m)	NUMBER	WEIGHT (kg)
P1	Ø 20	1258	2.466	3	9.31
P2	Ø 16	1261	1.578	3	5.97
P3	Ø 20	2300	2.466	2	11.34
P4	Ø 16	849	1.578	2	2.68
P5	Ø 16	701	1.578	2	2.21
TOTAL :					31.51 kg
D16					10.86 kg
D20					20.65 kg
CONCRETE					0.088 m ³



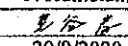
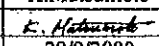
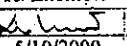
NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR2/0030.
- ANCHOR BOLTS AND CONDUIT PIPES SHALL BE PLACED PRIOR TO CASTING CONCRETE.
- DETAILS OF PULL-BOX SHALL BE SHOWN IN THE SHOP DRAWING TO BE SUBMITTED FOR THE ENGINEER'S APPROVAL.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Kamelani SIGNATURE: [Signature] DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	SMALL TRA VA BRIDGE SUPERSTRUCTURE DETAILS OF LIGHTING POLES' BASES	P1/BR2/0440

QUANTITY TABLE OF MISCELLANEOUS WORKS

ITEMS		UNIT	TOTAL	
PARAPET	CONCRETE CLASS E	m ³	89	
	REINFORCEMENT D14	kg	13860	
RAILING		m	368	
LIGHTING	LIGHTING POLES	poles	2	
	CONCRETE CLASS E	m ³	0.2	
	REINFORCEMENT	D16	kg	22
		D20	kg	41
PVC PILE Ø100MM		m	350	
DRAINAGE	DRAINAGE	set	14	
	PIPE Ø 165MM	m	24	

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOBI CO.,LTD.	NAME: T. Kametani SIGNATURE:  DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE:  DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE:  DATE: 5/10/2000	SMALL TRA VA BRIDGE MISCELLANEOUS QUANTITY TABLES OF MISCELLANEOUS WORKS	P1/BR2/0450

JICA

