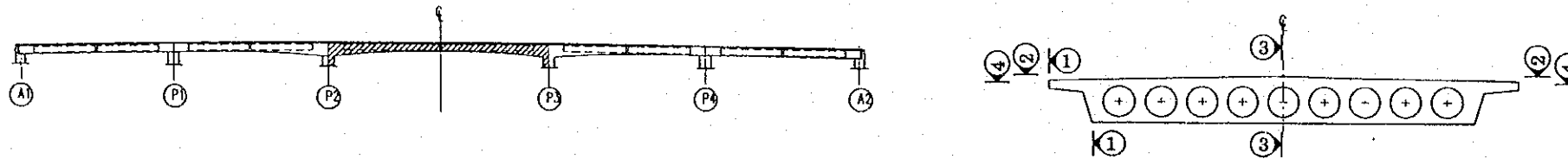


SIDE ELEVATION
(SCALE 1:1000)



NOTE

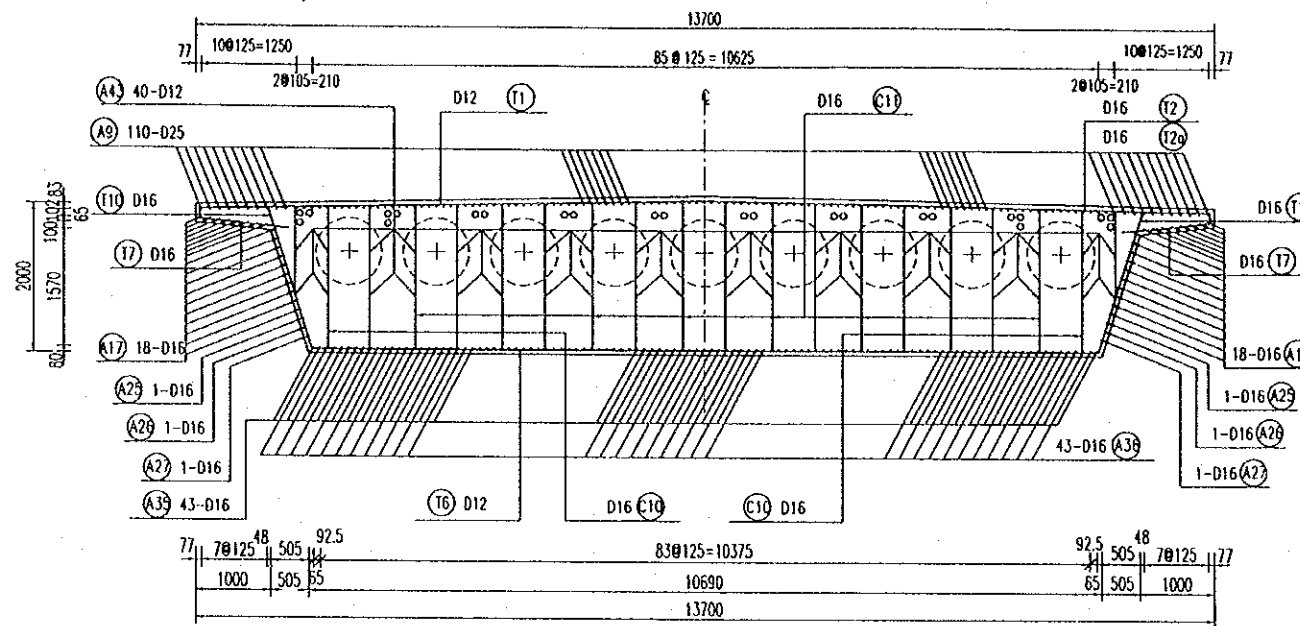
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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 (NK) NIPPON KOEI CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	CHECKED BY NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 6	DWG NO. P1/BR4/0250
--	---	---	---	--	---	--	--	------------------------

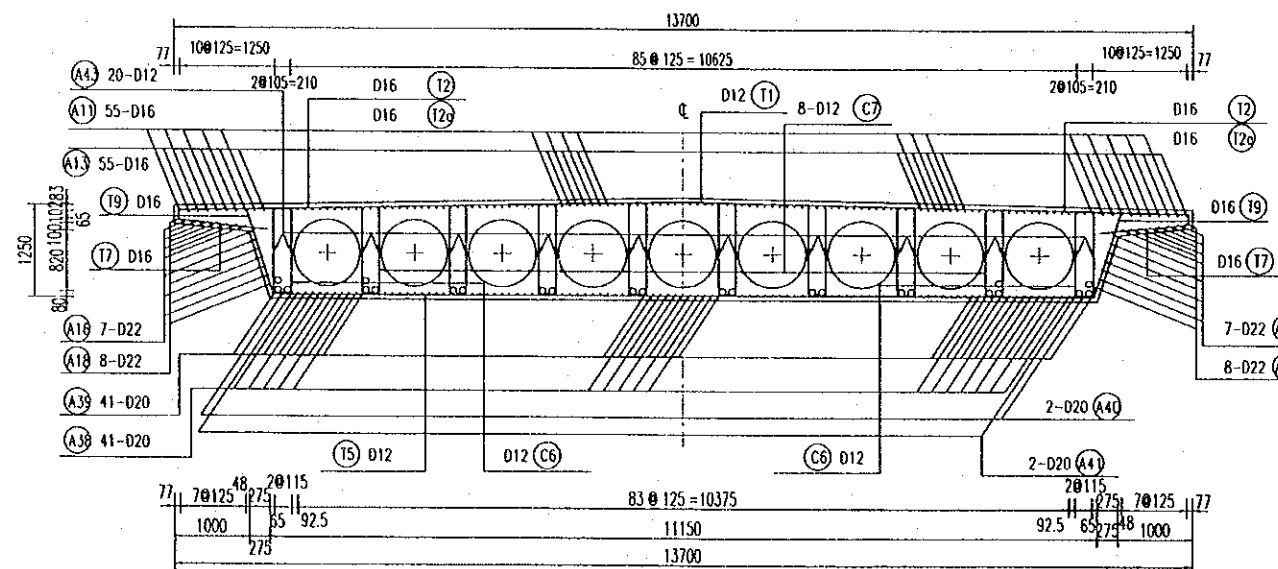
SECTION

SCALE 1:100

5 - 5 (7 - 7)

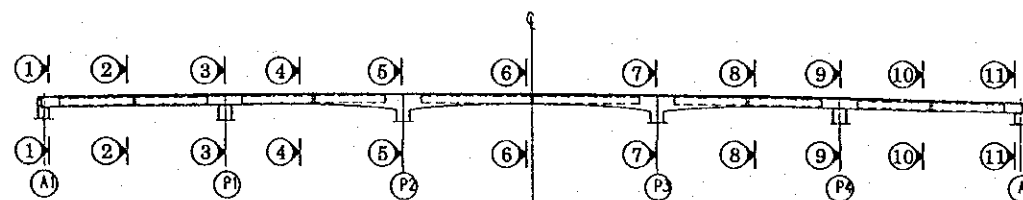


6 - 6



SIDE ELEVATION

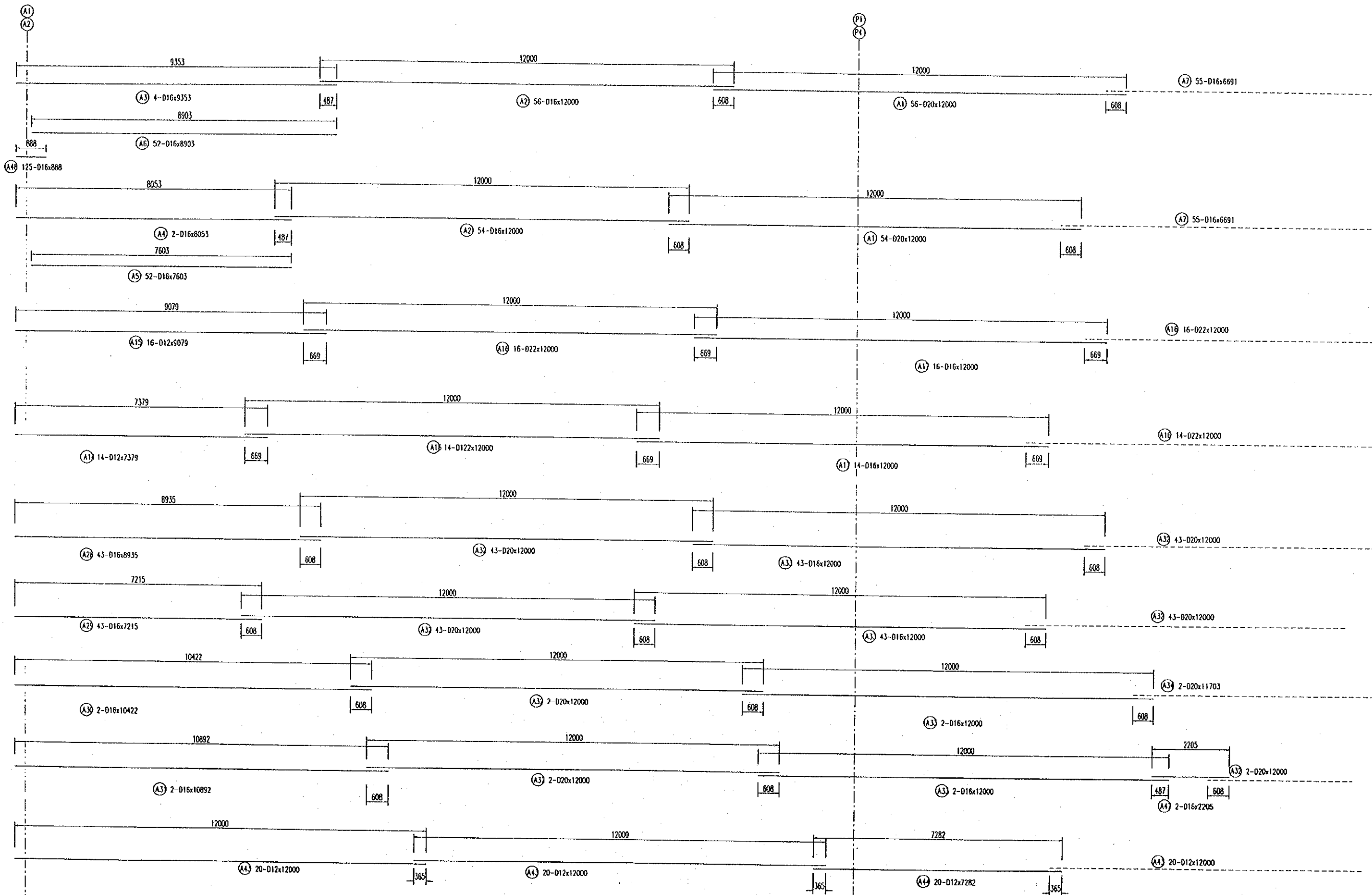
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NOTE

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

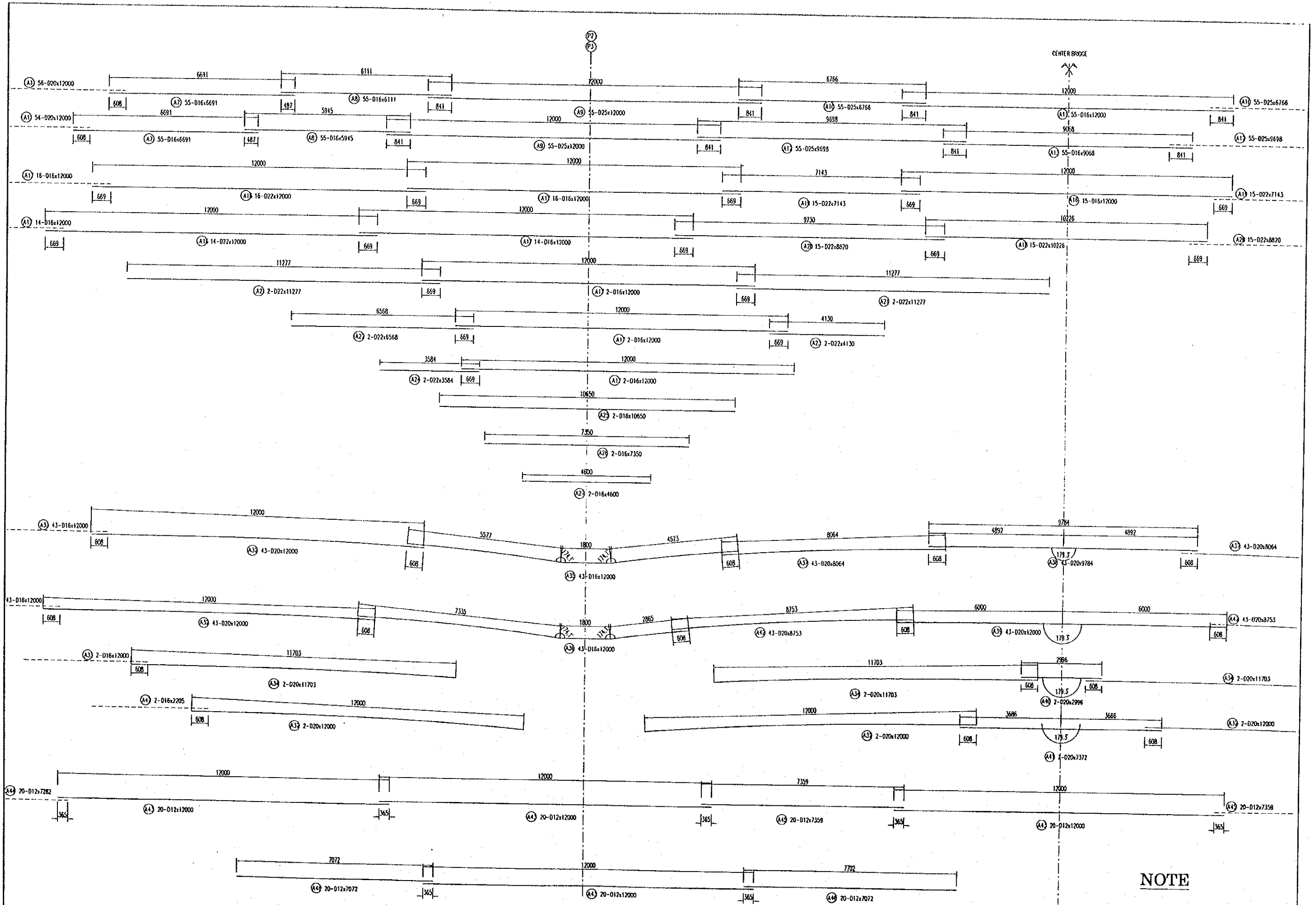
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	NAME T. Kametani SIGNATURE DATE 20/9/2000	NAME K. Matsumoto SIGNATURE DATE 29/9/2000	NAME K. Enomoto SIGNATURE DATE 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 8	P1/BR4/0270



NOTE

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

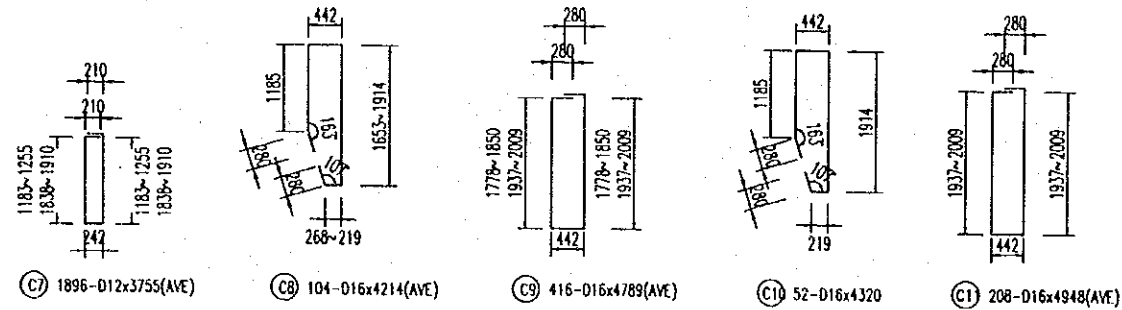
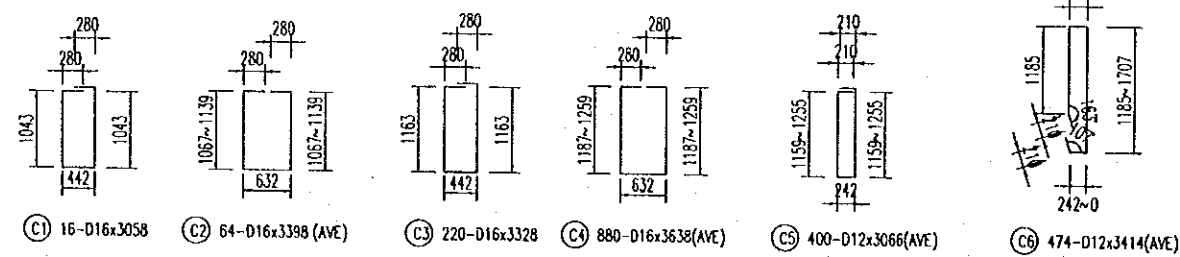
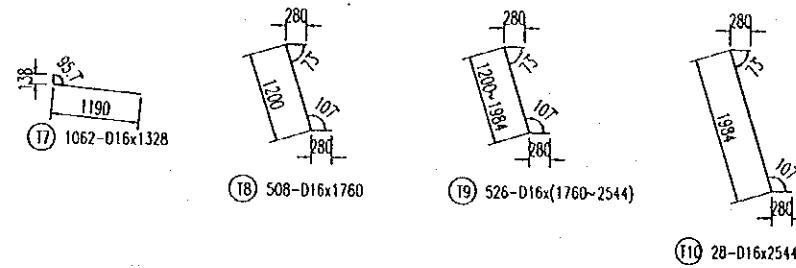
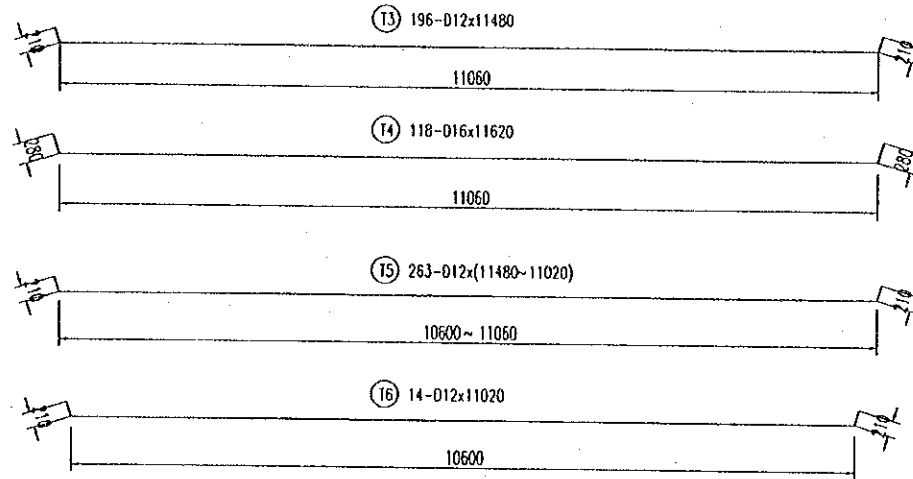
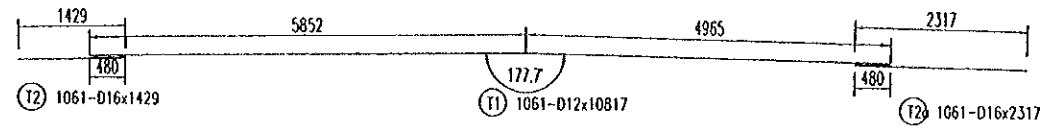
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 9	P1/BR4/0280



NOTE

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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 INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 10	DWG NO. P1/BR4/0290
				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		



NOTE

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE	P1/BR4/0300
				SIGNATURE	SIGNATURE	SIGNATURE	REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 11	
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		




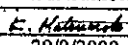
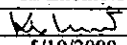
LIST OF REINFORCEMENTS OF HOLLOW SLAB

REINF No	DIA (MM)	LENGTH (MM)	NUMBER	UNIT WEIGHT KG/M	WEIGHT KG	REMARKS
A1	D20	12000	220	2.466	6510.6	
A2	D16	12000	220	1.578	4166.8	
A3	D16	9353	8	1.578	118.1	
A4	D16	8053	4	1.578	50.8	
A5	D16	7603	104	1.578	1248.0	
A6	D16	8903	104	1.578	1461.4	
A7	D16	6691	220	1.578	2323.3	
A8	D16	6111	110	1.578	1061.0	
A8'	D16	5945	110	1.578	1032.2	
A9	D25	12000	220	3.853	10172.9	
A10	D25	6766	110	3.853	2867.9	
A11	D16	12000	55	1.578	1041.7	
A12	D25	9698	110	3.853	4110.7	
A13	D16	9068	55	1.578	787.2	
A14	D12	7379	28	0.888	183.4	
A15	D12	9079	32	0.888	257.9	
A16	D22	12000	135	2.984	4834.1	
A17	D16	12000	132	1.578	2500.1	
A18	D22	10226	15	2.984	457.7	
A19	D22	7143	30	2.984	639.5	
A20	D22	8820	30	2.984	789.6	
A21	D22	11277	8	2.984	269.2	
A22	D22	6568	4	2.984	78.4	
A23	D22	4130	4	2.984	49.3	
A24	D22	3584	4	2.984	42.8	
A25	D16	10650	4	1.578	67.2	
A26	D16	7350	4	1.578	46.4	
A27	D16	4600	4	1.578	29.0	
A28	D16	8935	86	1.578	1212.8	
A29	D16	7215	86	1.578	979.3	
A30	D16	10422	4	1.578	65.8	
A31	D16	10892	4	1.578	68.8	
A32	D20	12000	360	2.466	10653.8	
A33	D16	12000	360	1.578	6818.4	
A34	D20	11703	8	2.466	230.9	
A35	D16	12000	86	1.578	1628.8	
A36	D16	12000	86	1.578	1628.8	
A37	D20	8064	86	2.466	1710.3	
A38	D20	9784	43	2.466	1037.5	
A39	D20	12000	43	2.466	1272.5	
A40	D20	2996	2	2.466	14.8	

REINF No	DIA (MM)	LENGTH (MM)	NUMBER	UNIT WEIGHT KG/M	WEIGHT KG	REMARKS
A41	D20	7372	2	2.466	36.4	
A42	D20	8753	86	2.466	1856.4	
A43	D12	12000	220	0.888	2343.8	
A44	D12	7282	40	0.888	258.6	
A45	D12	7359	40	0.888	261.3	
A46	D12	7702	80	0.888	547.0	
A47	D16	2205	4	1.578	13.9	
A48	D16	888	250	1.578	350.4	
T1	D12	10817	1061	0.888	10189.3	
T2	D16	1429	1061	1.578	2393.0	
T2A	D16	2317	1061	1.578	3880.1	
T3	D12	11480	196	0.888	1997.7	
T4	D16	11620	118	1.578	2164.2	
T5	D12	11250	263	0.888	2626.8	AVERAGE
T6	D12	11020	14	0.888	137.0	
T7	D16	1328	1062	1.578	2226.0	
T8	D16	1760	508	1.578	1411.2	
T9	D16	2152	526	1.578	1786.6	AVERAGE
T10	D16	2544	28	1.578	112.4	
C1	D16	3088	16	1.578	78.0	
C2	D16	3398	64	1.578	343.2	AVERAGE
C3	D16	3328	220	1.578	1155.6	
C4	D16	3638	880	1.578	5052.9	AVERAGE
C5	D12	3066	400	0.888	1088.8	AVERAGE
C6	D12	3414	474	0.888	1436.7	AVERAGE
C7	D12	3755	1396	0.888	6320.8	AVERAGE
C8	D16	4214	104	1.578	691.7	
C9	D16	4789	416	1.578	3144.4	
C10	D16	4320	52	1.578	354.6	
C11	D16	4948	208	1.578	1624.4	
TOTAL :						
D12	:	27649.2	KG			
D16	:	55118.7	KG	CONCRETE	: 1673.6	M3
D20	:	23323.2	KG			
D22	:	7160.6	KG			
D25	:	17151.5	KG			
				130403.2 KG		

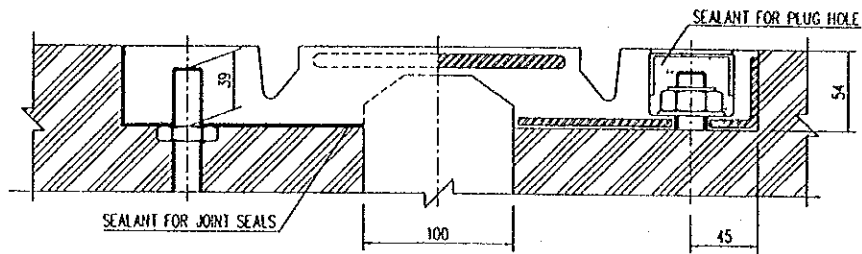
NOTE

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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	CHECKED BY	APPROVED BY	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 12	DWG NO. P1/BR4/0310	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		

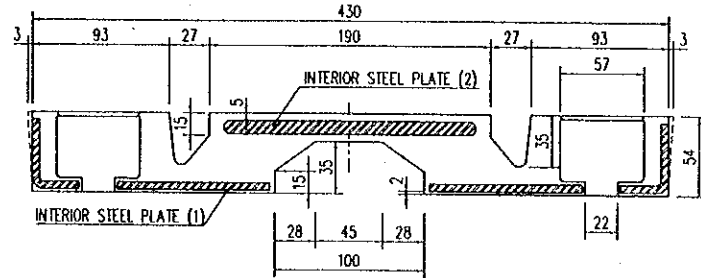
INSTALLATION SECTION

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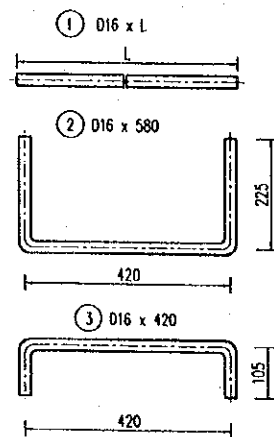
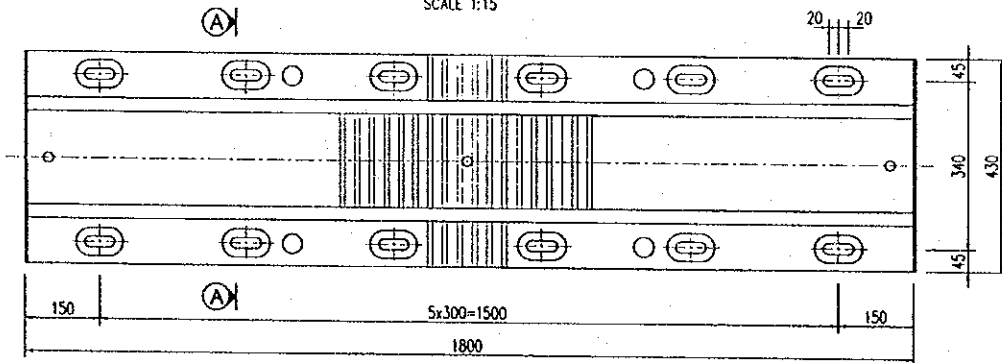
SECTION A - A

SCALE 1:5



PLAN

SCALE 1:15

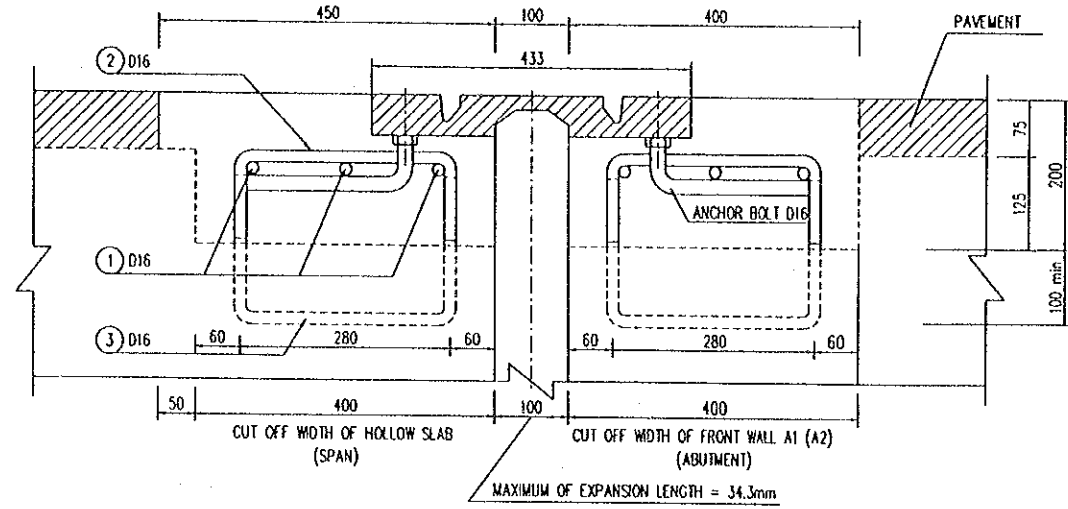


QUANTITY TABLE (Per m)

ITEMS	KIND OR SIZE	QUANTITY	REMARKS
EXPANSION JOINT	TF No.80	1 m	
ANCHOR BOLT	#16 L = 272 mm	12/1.8m	Ø300
REINFORCEMENT	① 6 - D16	9.47 kg	L=14m, N=6
	② 10 - D16	9.15 kg	Ø200
	③ 10 - D16	6.63 kg	Ø200
CUT OFF	PAVEMENT	0.064 m ³	
	HOLLOW SLAB	0.050 m ³	
	WALL OF ABUTMENT	0.650 m ³	
CONCRETE		0.147 m ³	CAST IN PLACE

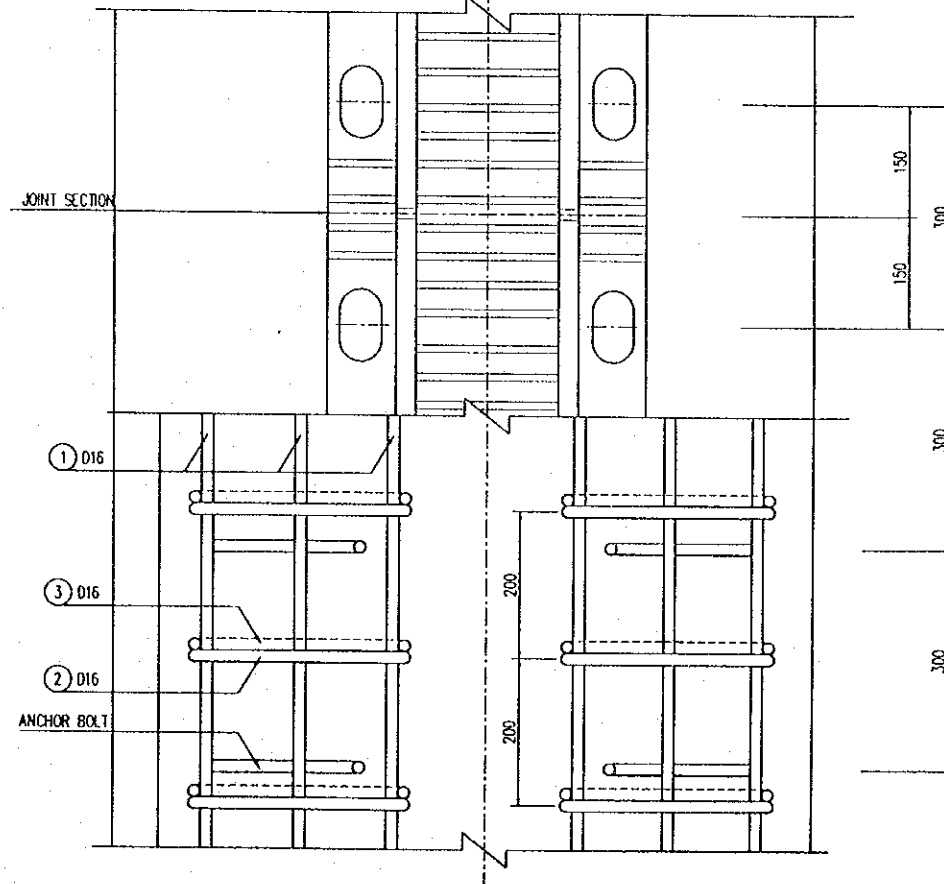
VERTICAL SECTION

SCALE 1:10



PLAN

SCALE 1:10



EXPANSION JOINT AT ABUTMENT

NOTES

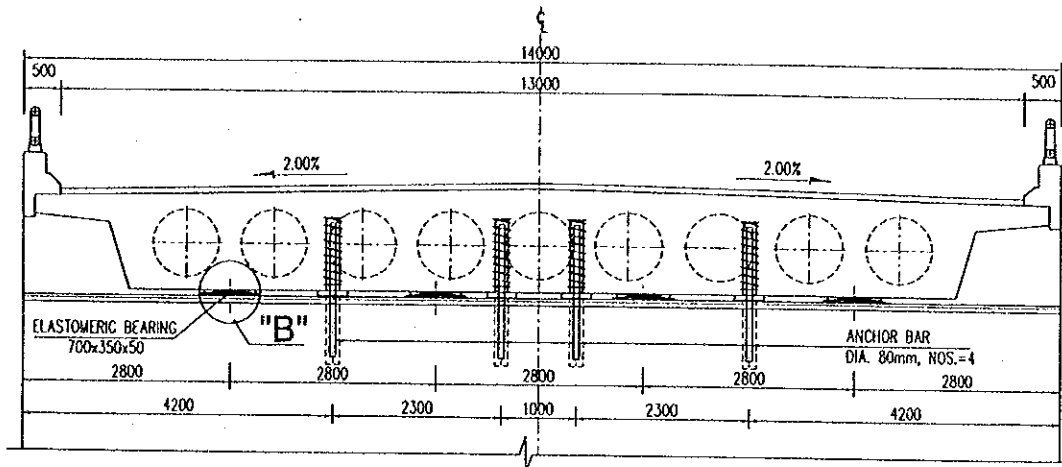
ABUTMENT	A1	A2	TOTAL
LENGTH (M)	13.0	13.0	26.0

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE EXPANSION JOINT DETAILS AT ABUTMENT A1 & A2	P1/BR4/0320
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

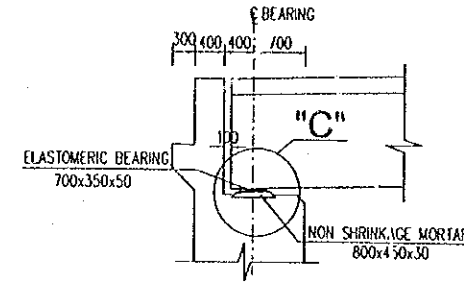
CROSS SECTION (A1, A2)

SCALE 1:100



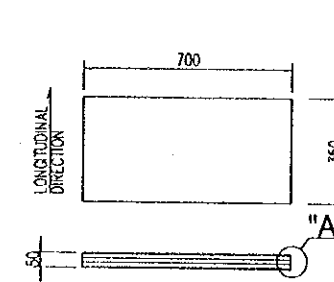
PROFILE (A1, A2)

SCALE 1:100



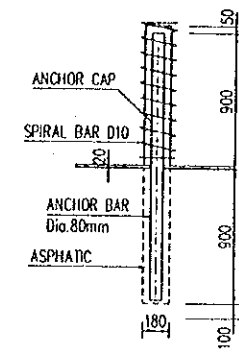
ELASTOMERIC BEARING

SCALE 1:25



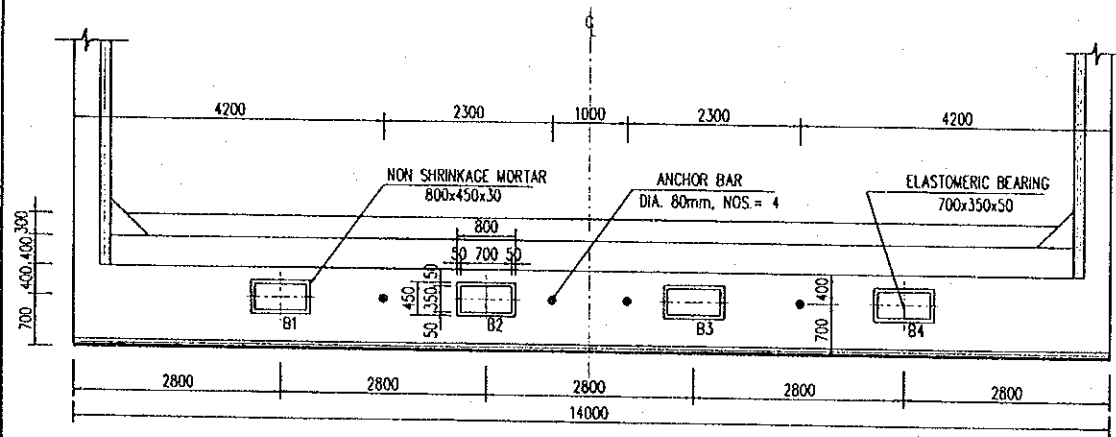
ANCHOR BAR

SCALE 1:50



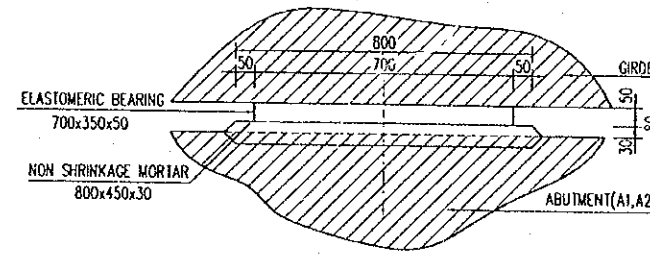
PLAN (A1, A2)

SCALE 1:100



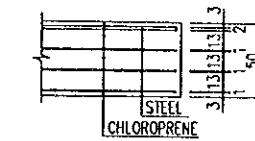
DETAIL "B"

SCALE 1:20



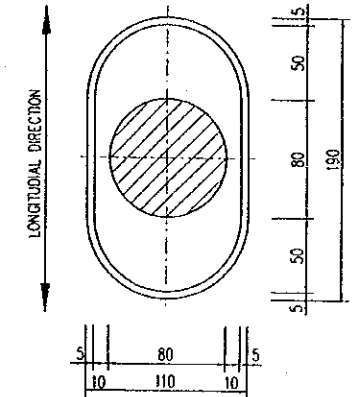
DETAIL "A"

SCALE 1:5



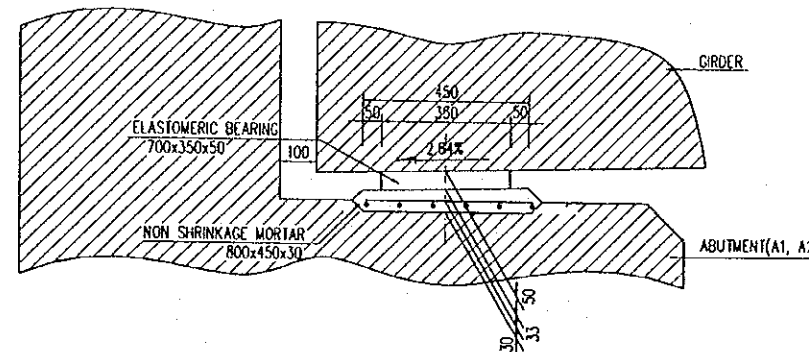
ANCHOR CAP

SCALE 1:5

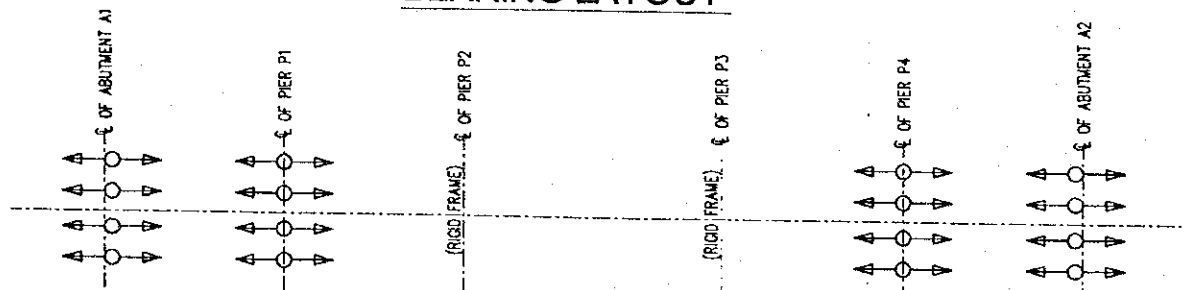


DETAIL "C"

SCALE 1:20



BEARING LAYOUT



QUANTITY TABLE (FOR 1 ABUTMENT)

ITEMS	UNIT	QUANTITY
BEARING (700x350x50)mm	SET	4
ANCHOR BAR #80mm	SET	4

BEARING PERFORMANCE REQUIREMENTS

LOCATION	SERVICEABILITY		
	VERTICAL LOAD (kN)		LONGITUDINAL HORIZONTAL LOAD (kN)
	MAXIMUM	MINIMUM	
ABUTMENT(A1, A2)	1830	636	114

KEY:

← ○ → DONOTES GUIDE SLIDING BEARING MOVEMENT (IN THE GIVEN BY THE ARROWS)

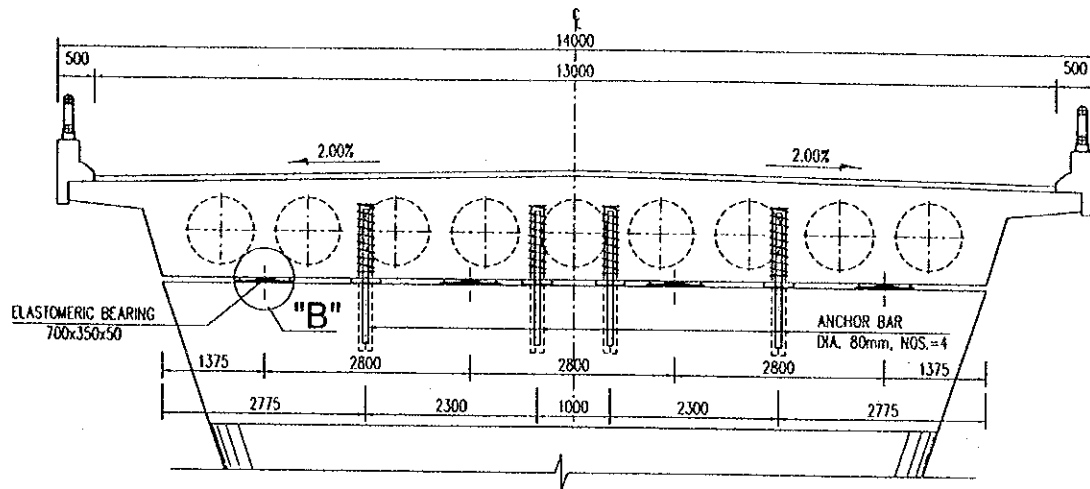
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE BEARING DETAILS AT ABUTMENT A1 & A2	P1/BR4/0330
				DATE: 20/9/2000	DATE: 22/9/2000	DATE: 5/10/2000		

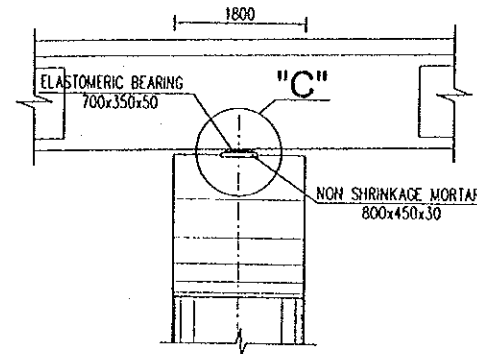
CROSS SECTION (P1, P4)

SCALE 1:100



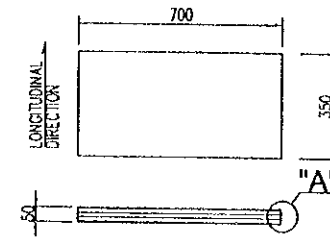
PROFILE (P1, P4)

SCALE 1:100



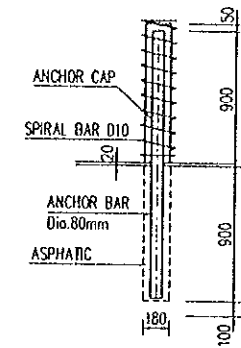
ELASTOMERIC BEARING

SCALE 1:25



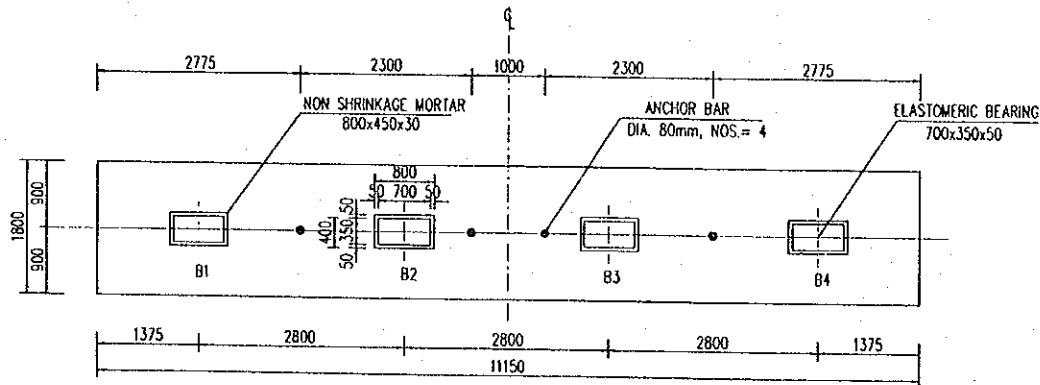
ANCHOR BAR

SCALE 1:50



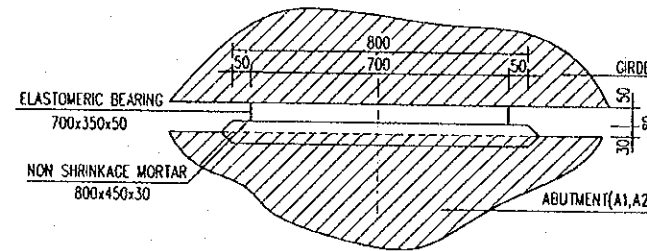
PLAN (P1, P4)

SCALE 1:100



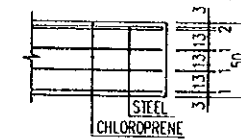
DETAIL "B"

SCALE 1:20



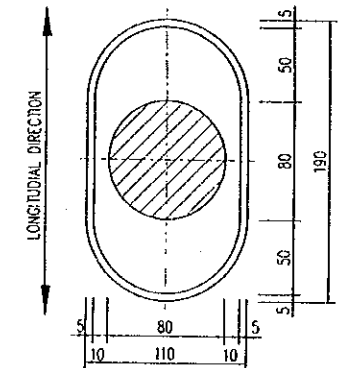
DETAIL "A"

SCALE 1:5



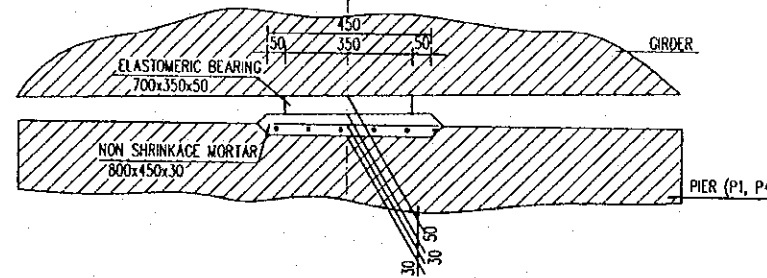
ANCHOR CAP

SCALE 1:5

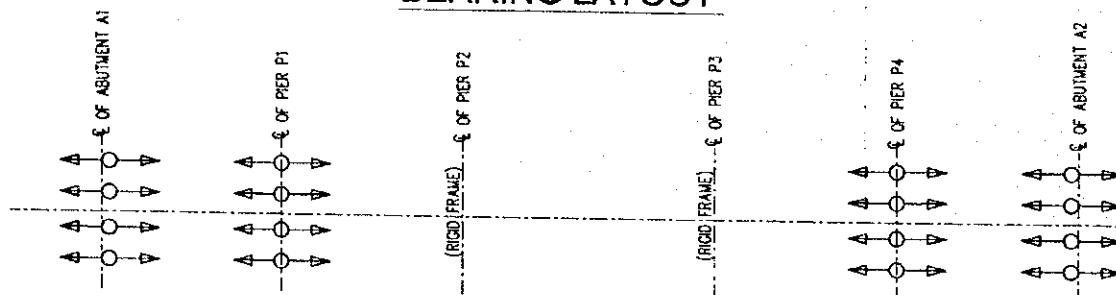


DETAIL "C"

SCALE 1:20



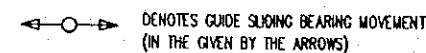
BEARING LAYOUT



QUANTITY TABLE (FOR 1 PIER)

ITEMS	UNIT	QUANTITY
BEARING (700x350x50)mm	SET	4
ANCHOR BAR #80mm	SET	4

KEY :



BEARING PERFORMANCE REQUIREMENTS

LOCATION	SERVICEABILITY		
	VERTICAL LOAD (kN)		LONGITUDINAL HORIZONTAL LOAD (kN)
	MAXIMUM	MINIMUM	
PIER (P1, P4)	3080	1790	263

NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.



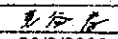

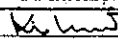
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY 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 INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE BEARING DETAILS AT PIER P1 & P4	DWG NO. P1/BR4/0340
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QUANTITY TABLE OF SUPERSTRUCTURE

ITEMS		UNIT	QUANTITY		
A- HOLLOW SLAB	CONCRETE CLASS C	m3	1674		
	ASPHALT CONCRETE 70mm	m2	1723		
	WATER PROOFING 5mm	m2	1723		
	CABLES 12S12.7	m	3185		
	ANCHORAGE CABLES 12S12.7	set	48		
	SHEATHING CABLES 12S12.7 # 80/85mm	m	3185		
	FILLING GROUT IN SHEATHING	m3	11		
	REINFORCEMENT	16 ϕ D \leq 25	D32	kg	0
			D25	kg	17152
			D22	kg	7161
			D20	kg	23323
			D16	kg	55119
			TOTAL	kg	102754
			D \leq 14	kg	27649
	TOTAL	kg	130403		
B- EXPANSION JOINT 100MM	m	26			
C- BEARING (700x350x50)MM	set	16			
D- ANCHORAGE BAR # 80MM	set	16			

NOTES

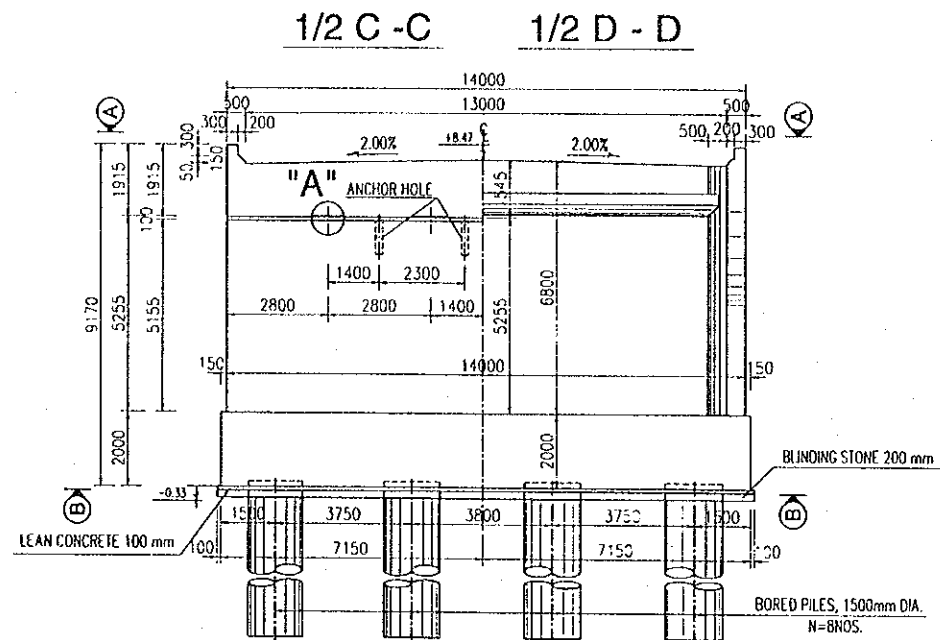
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE QUANTITY TABLE OF SUPERSTRUCTURE	P1/BR4/0350
				SIGNATURE 				
				DATE 20/9/2000	29/9/2000	5/10/2000		

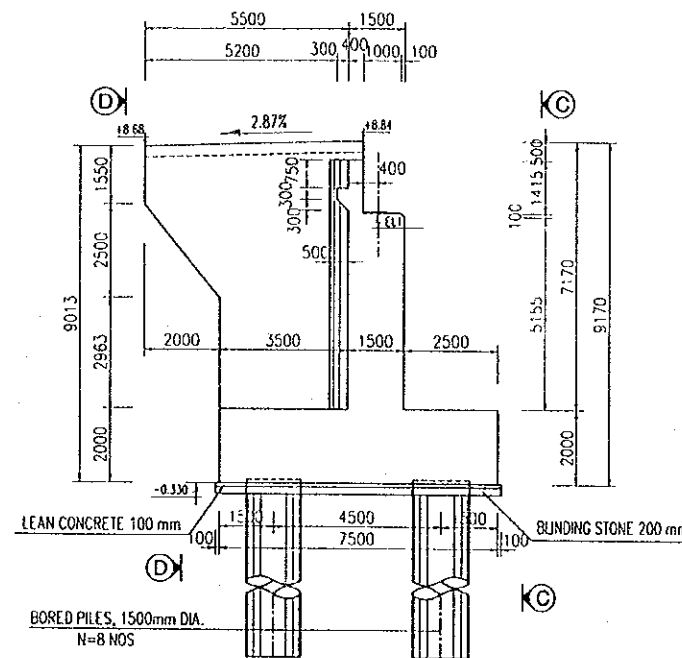
III. ABUTMENTS

DETAILS OF ABUTMENT

(SCALE 1:200)

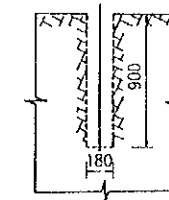


SIZE ELEVATION

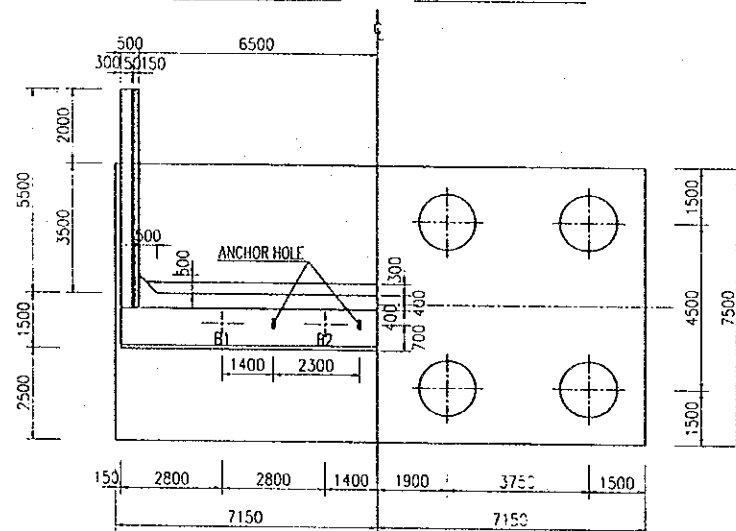


DETAIL OF ANCHOR HOLE

(SCALE 1:50)

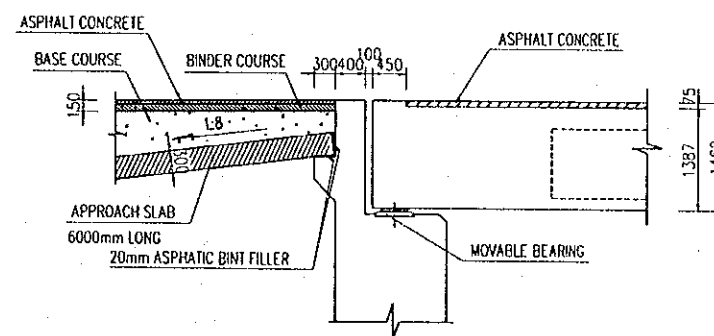


1/2 A-A and 1/2 B-B



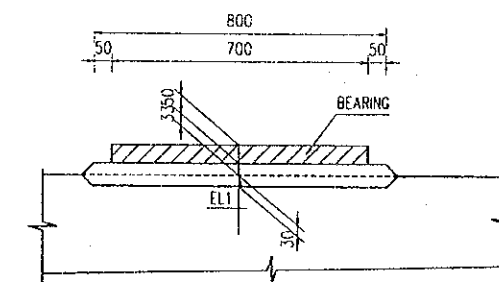
DETAIL OF BACK WALL

(SCALE 1:100)

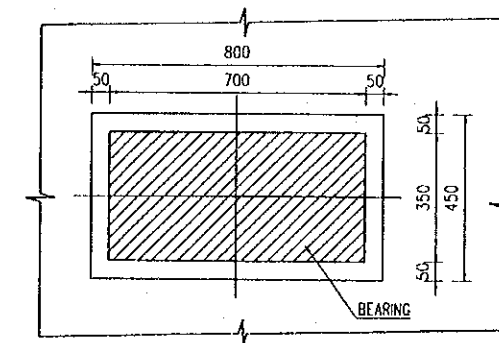


DETAIL "A"

(SCALE 1:20)



PLAN



HOLLOW SLAB BEARING SEAT ELEVATION OF EL1

ABUTMENT	GROUT PAD	B1	B2
A1		+6.93	+6.93
A2		+6.93	+6.93

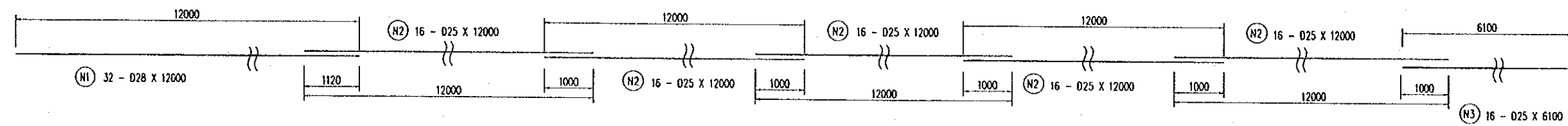
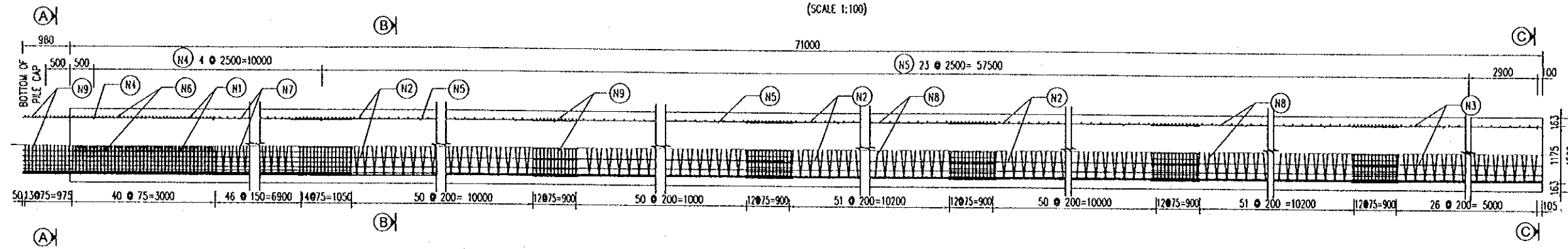
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS	P1/BR4/0360
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000	ABUTMENT A1 & A2 - GENERAL ARRANGEMENT	

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

(SCALE 1:100)



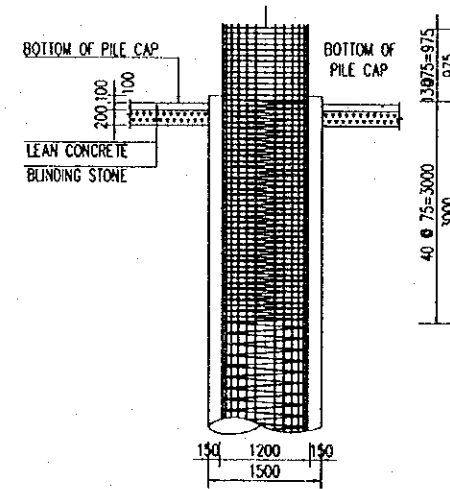
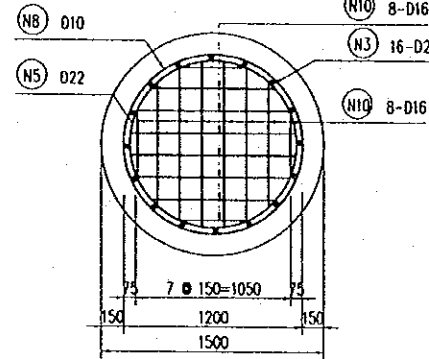
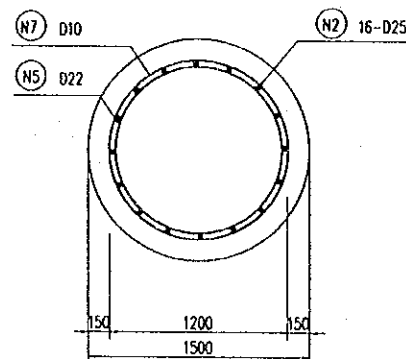
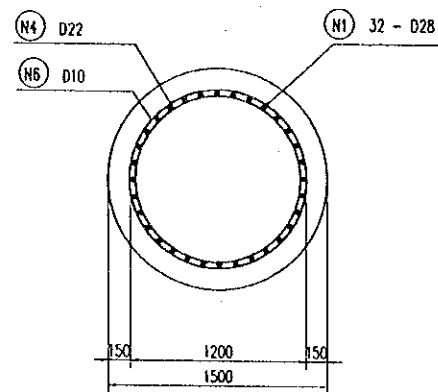
SECTION A-A
(SCALE 1:50)

SECTION B-B
(SCALE 1:50)

SECTION C-C
(SCALE 1:50)

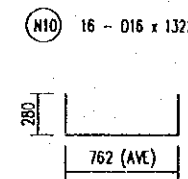
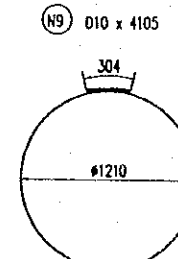
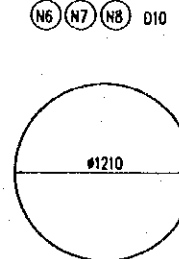
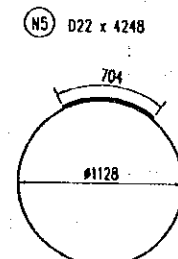
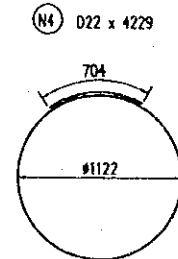
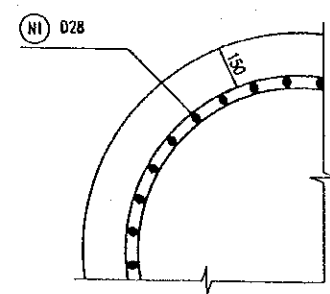
DETAIL OF CONCRETE PILE HEAD
(SCALE 1:100)

MATERIAL OF PILE



TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUME (m ³)
N1	D28	12000	4.834	32	1856.3	125.47
N2	D25	12000	3.853	80	3698.9	
N3	D25	6100	3.853	16	376.1	
N4	D22	4229	2.984	6	75.7	
N5	D22	4248	2.984	24	304.2	
N6	D10	152053	0.617	1	93.8	
N7	D10	174681	0.617	1	107.9	
N8	D10	1052968	0.617	1	649.7	
N9	D10	4105	0.617	94	238.1	
N10	D16	1322	1.578	16	33.4	
					D10	1089.5 kg
					D16	33.4 kg
					D22	379.9 kg
					D25	4075.0 kg
					D28	1856.3 kg
TOTAL						7434.1 kg

DETAIL OF RECOVERING
(SCALE 1:25)



NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS A1&A2 BORED PILE DETAILS - L=71M	P1/BR4/0370
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

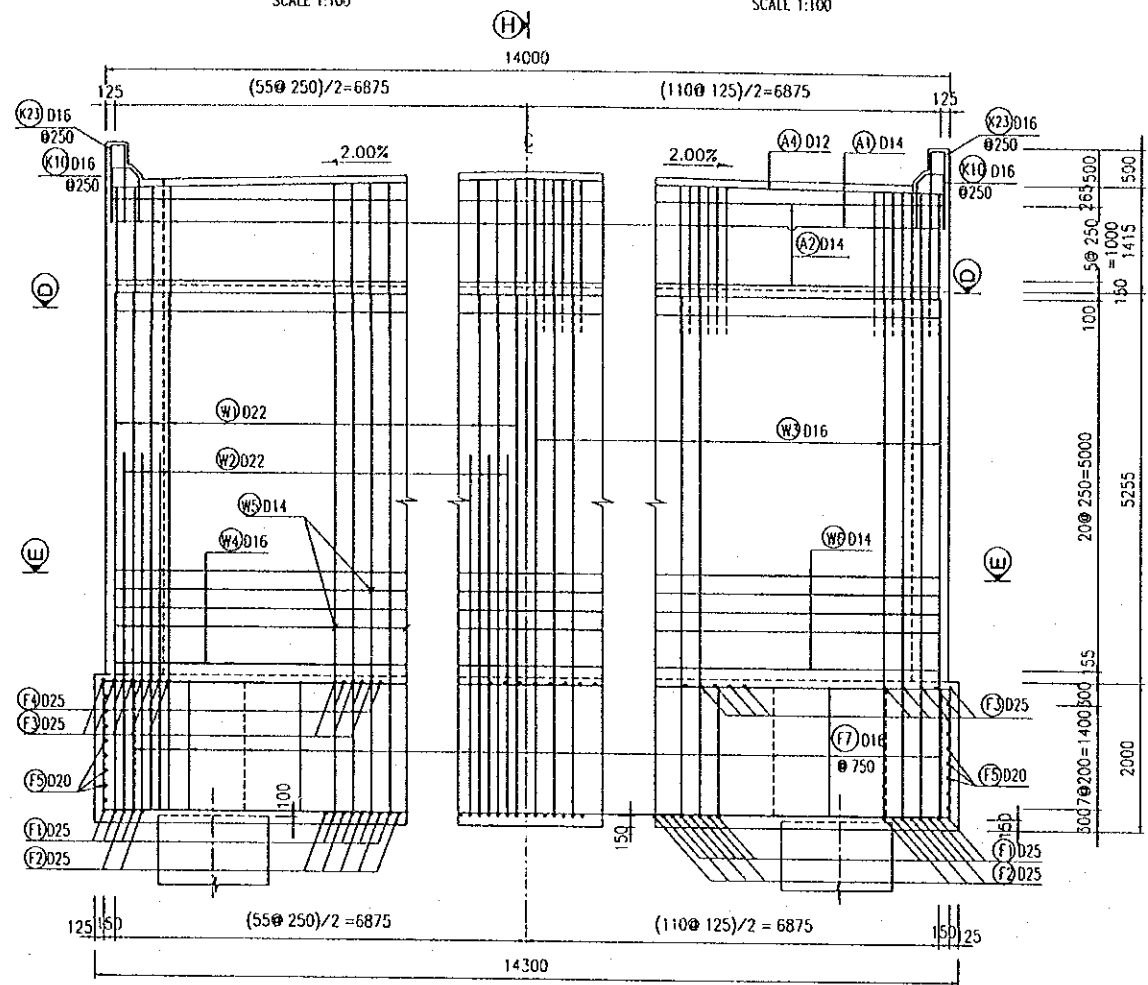
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HALF SECTION B - B

SCALE 1:100

HALF SECTION C - C

SCALE 1:100

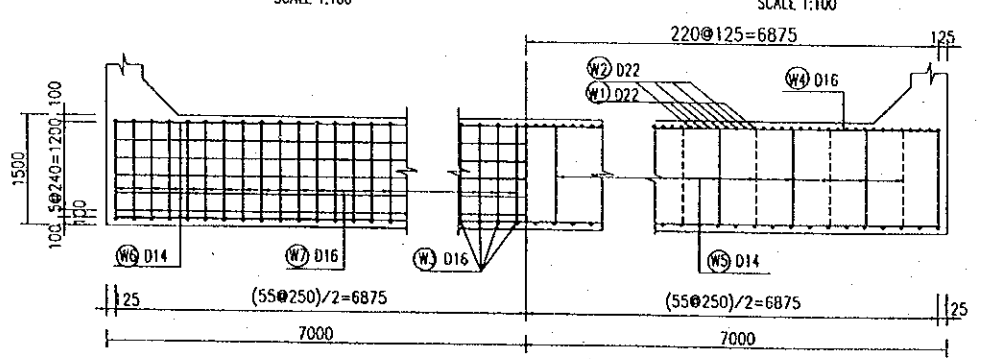


HALF SECTION D - D

SCALE 1:100

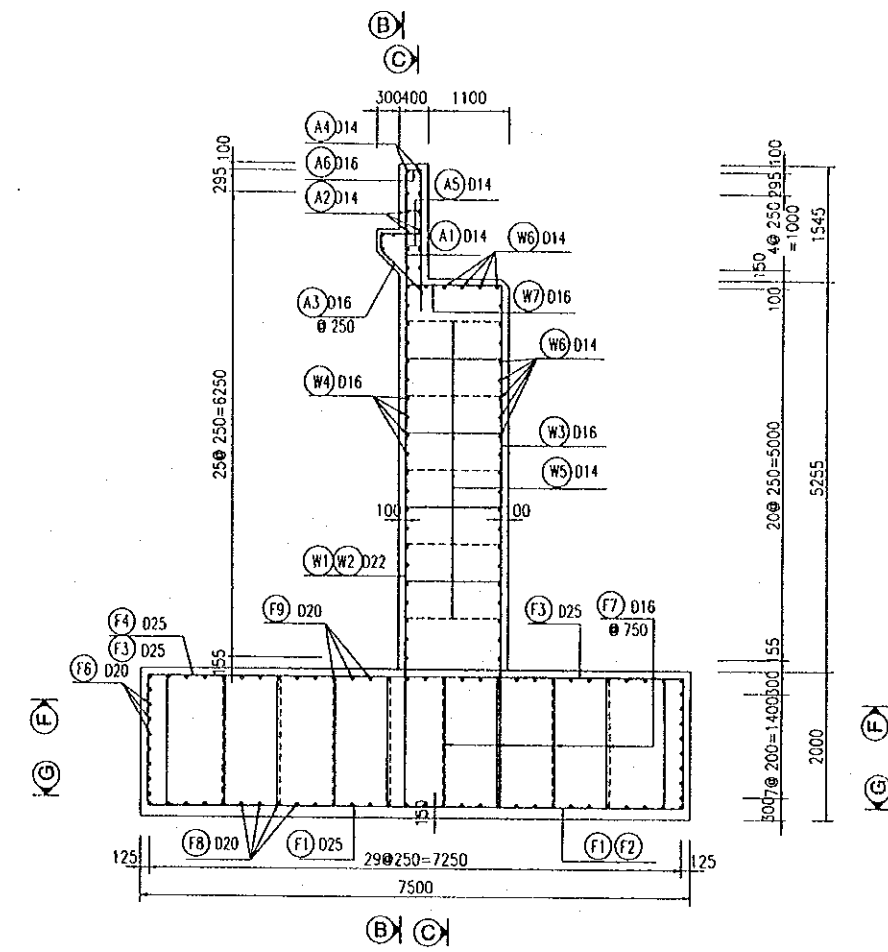
HALF SECTION E - E

SCALE 1:100



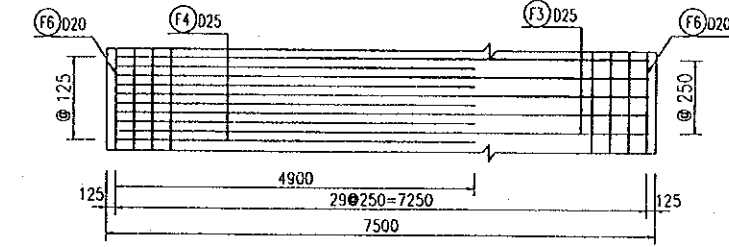
SECTION H - H

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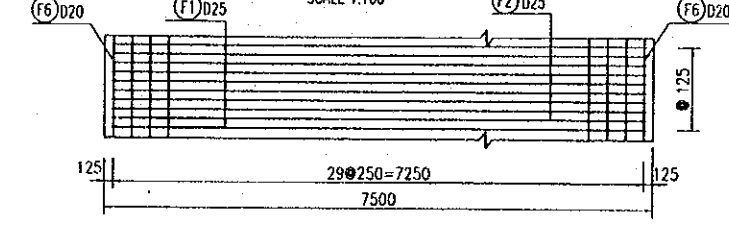
SECTION F - F

SCALE 1:100



SECTION G - G

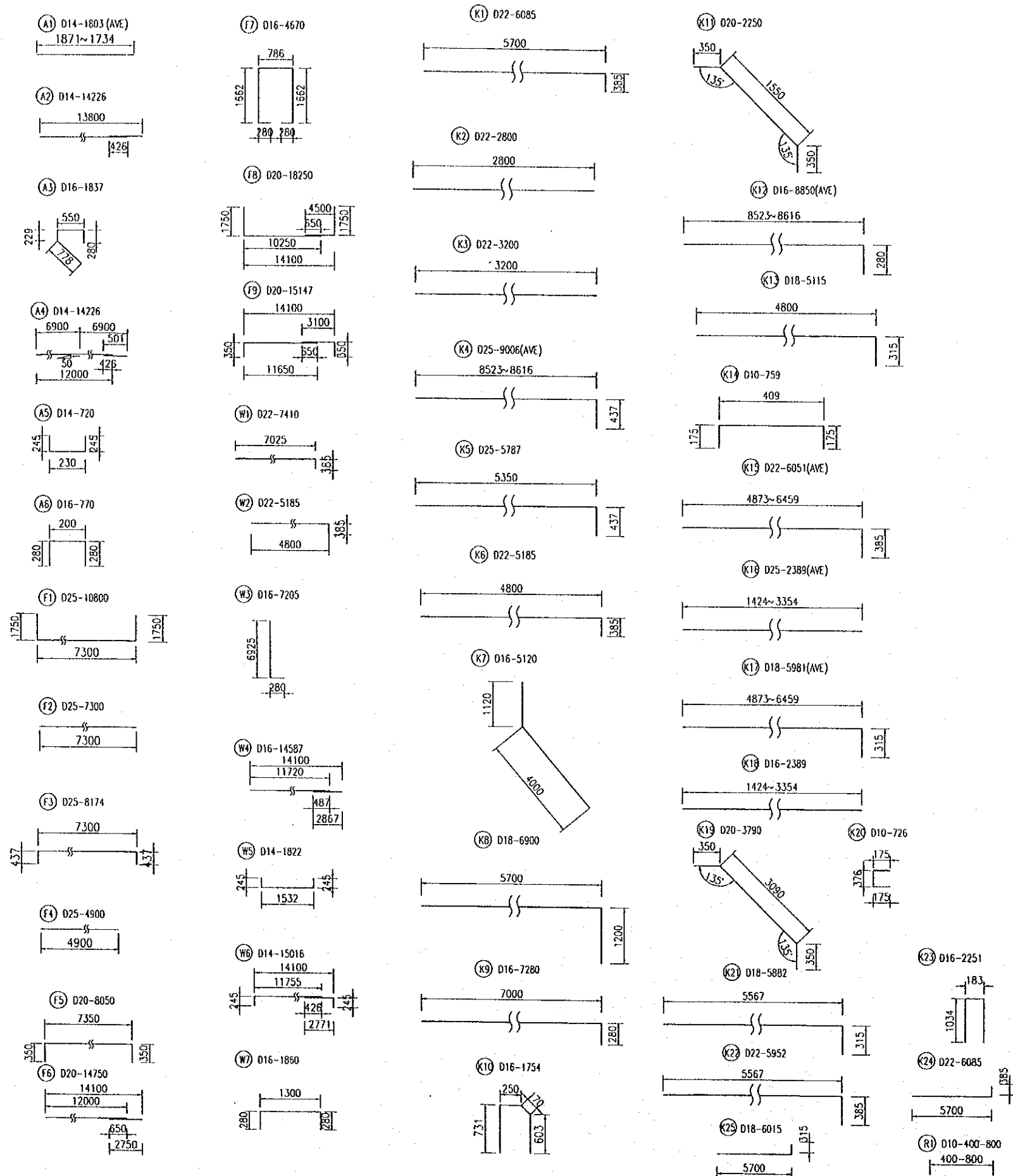
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NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS	P1/BR4/0380
				SIGNATURE	SIGNATURE	SIGNATURE	ABUTMENT A1 & A2 - REINFORCEMENT - SHEET 1	
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		



LIST OF REINFORCEMENTS (FOR 1 ABUTMENT)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARK
A1	14	1803	167	1.208	363.7	AVERAGE
A2	14	14226	13	1.208	223.4	
A3	16	1837	52	1.578	150.7	
A4	14	14226	2	1.208	34.4	
A5	14	720	56	1.208	48.7	
A6	16	760	56	1.578	67.2	
F1	25	10800	58	3.853	2413.5	
F2	25	7300	55	3.853	1547.0	
F3	25	8174	58	3.853	1826.7	
F4	25	4900	55	3.853	1038.4	
F5	20	8050	16	2.466	317.6	
F6	20	14750	16	2.466	582.0	
F7	16	4670	81	1.578	586.9	
F8	20	18250	30	2.466	1350.1	
F9	20	15147	30	2.466	1120.6	
W1	22	7410	56	2.984	1238.2	
W2	22	5185	55	2.984	851.0	
W3	16	7205	56	1.578	636.7	
W4	16	14587	20	1.578	460.4	
W5	14	1822	117	1.208	257.5	
W6	14	15016	26	1.208	471.6	
W7	16	1860	56	1.578	164.4	
K1	22	6085	8	2.984	145.3	
K2	22	2800	12	2.984	100.3	
K3	22	3200	22	2.984	210.1	
K4	25	9006	28	3.853	971.6	AVERAGE
K5	25	5787	16	3.853	356.8	
K6	22	5185	24	2.984	371.3	
K7	16	5120	4	1.578	32.3	
K8	18	6900	10	1.578	108.9	
K9	16	7280	8	1.578	91.9	
K10	16	1754	46	1.578	127.3	
K11	20	2250	14	2.466	77.7	
K12	16	8850	28	1.578	391.0	AVERAGE
K13	18	5115	24	1.998	245.3	
K14	10	756	208	0.617	97.0	
K15	22	6051	18	2.984	325.0	AVERAGE
K16	25	2309	14	3.853	128.9	AVERAGE
K17	18	5981	18	1.998	215.1	AVERAGE
K18	16	2389	14	1.578	52.8	
K19	20	3790	52	2.466	486.0	
K20	10	726	56	0.617	25.1	
K21	18	5882	2	1.998	23.5	
K22	22	5952	2	2.984	35.5	
K23	16	2251	56	1.578	163.4	
K24	22	6085	8	2.984	145.3	
K25	18	8015	8	1.998	96.1	
R1	10	400-800	56	0.617	18.8	AVERAGE
D10	140.9	(kg)			3934.0	(kg)
D14	1399.3	(kg)			3421.9	(kg)
D16	3043.9	(kg)			8282.8	(kg)
D18	580.0	(kg)				
TOTAL	20802.8	(kg)				

NOTES

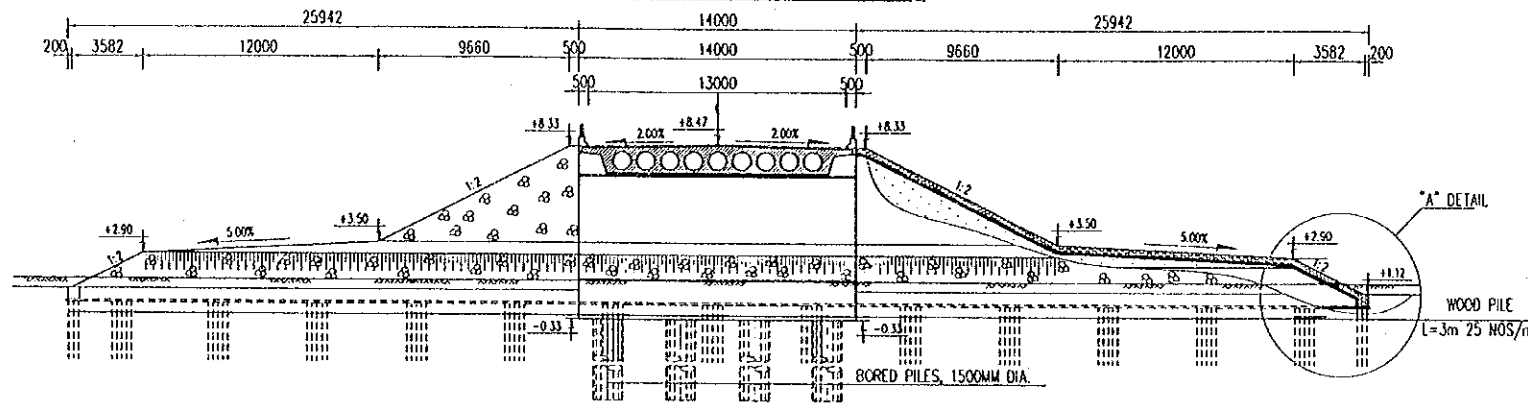
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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 NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1& A2 - REINFORCEMENT - SHEET 3	DWG NO. P1/BR4/0400
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EARTHWORKS SLOPE PROTECTION

A-A (ABUTMENT A1,A2)

(SCALE 1:375)



PLAN

SIDE ELEVATION

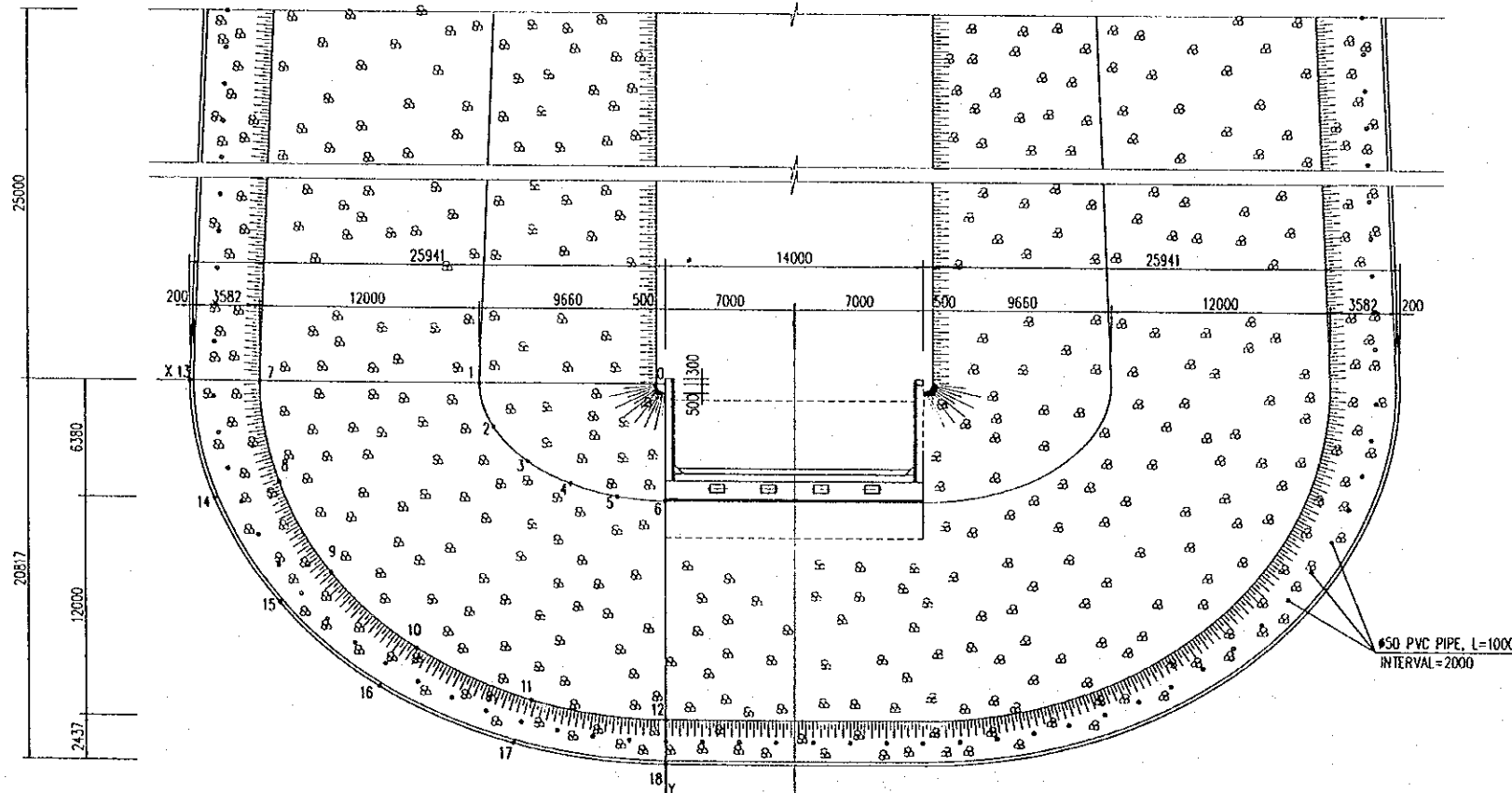
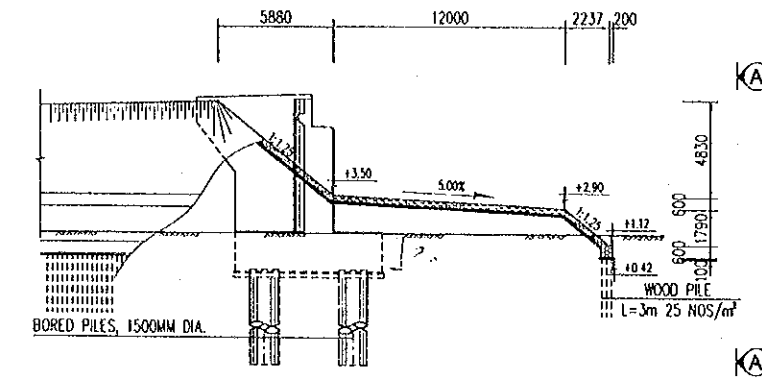


TABLE OF COORDINATES

No	X (cm)	Y (cm)
0	0	0
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2	938	237
3	753	424
4	519	547

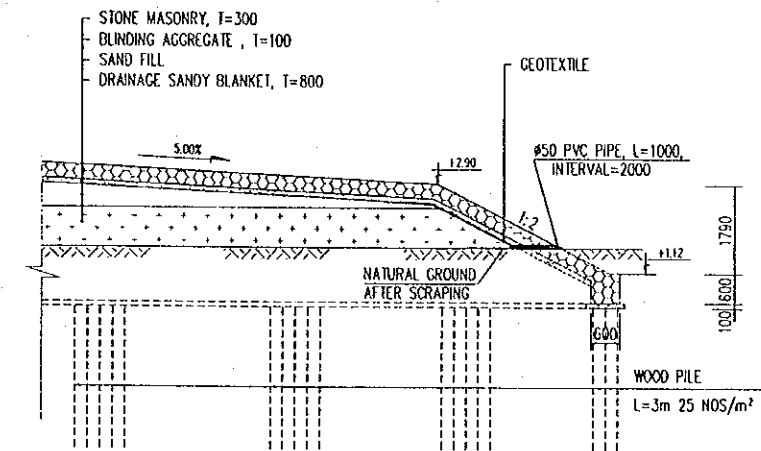
No	X (cm)	Y (cm)
5	264	616
6	0	638
7	2216	0
8	2112	549
9	1820	1043

No	X (cm)	Y (cm)
10	1358	1450
11	733	1734
12	0	1838
13	2594	0
14	2464	643

No	X (cm)	Y (cm)
15	2107	1209
16	1556	1663
17	833	1971
18	0	2082

"A" DETAIL

(SCALE 1:150)



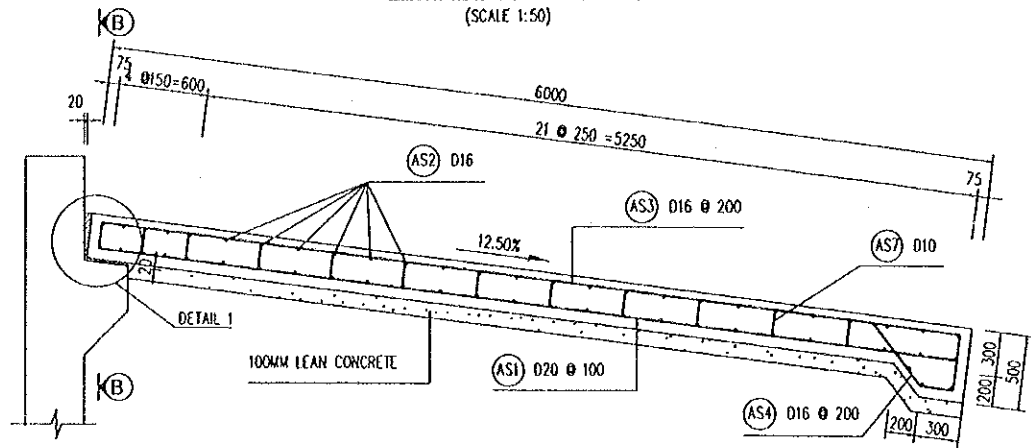
NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P1/BR4/0030

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	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS EARTHWORKS SLOPE PROTECTION	P1/BR4/0410
				NAME	DATE	DATE		
				SIGNATURE	20/9/2000	29/9/2000		
						5/10/2000		

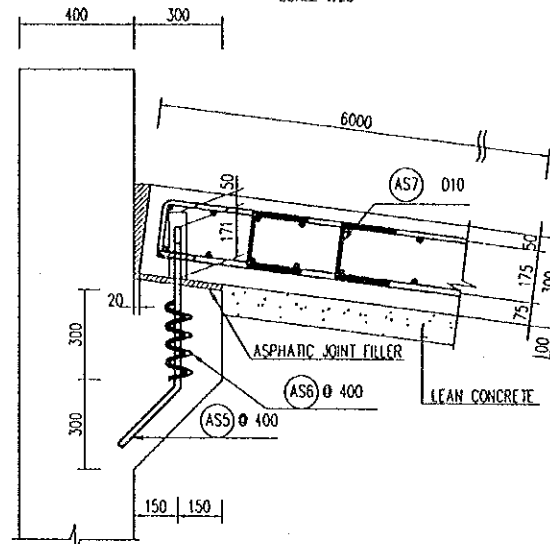
SECTION A - A

(SCALE 1:50)



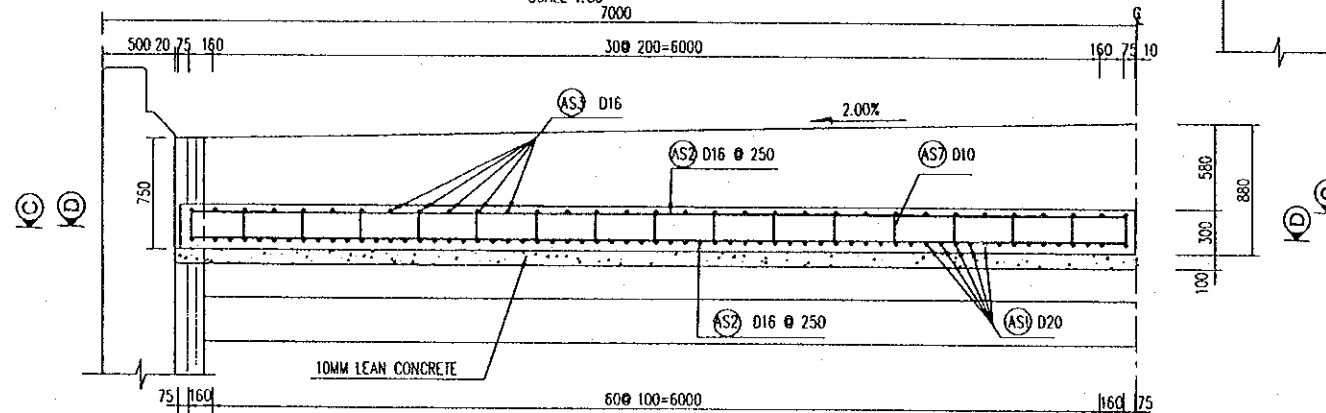
DETAIL 1

SCALE 1:25



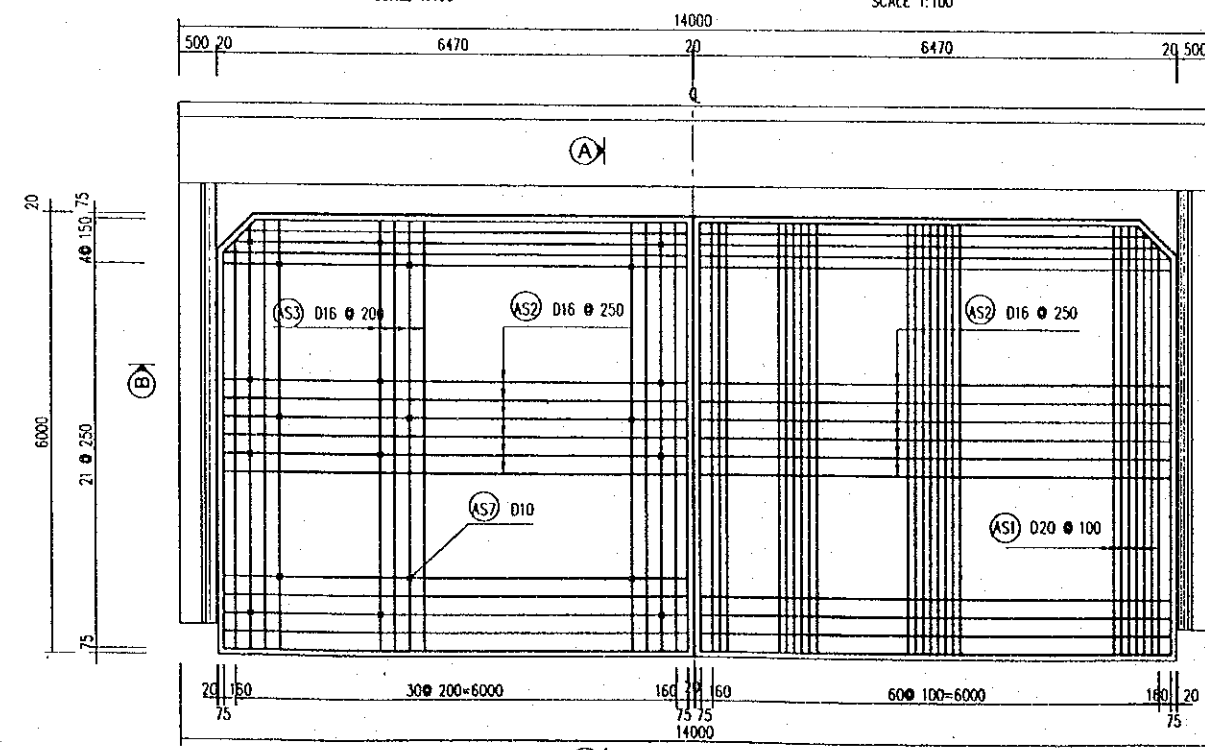
HALF SECTION B - B

SCALE 1:50



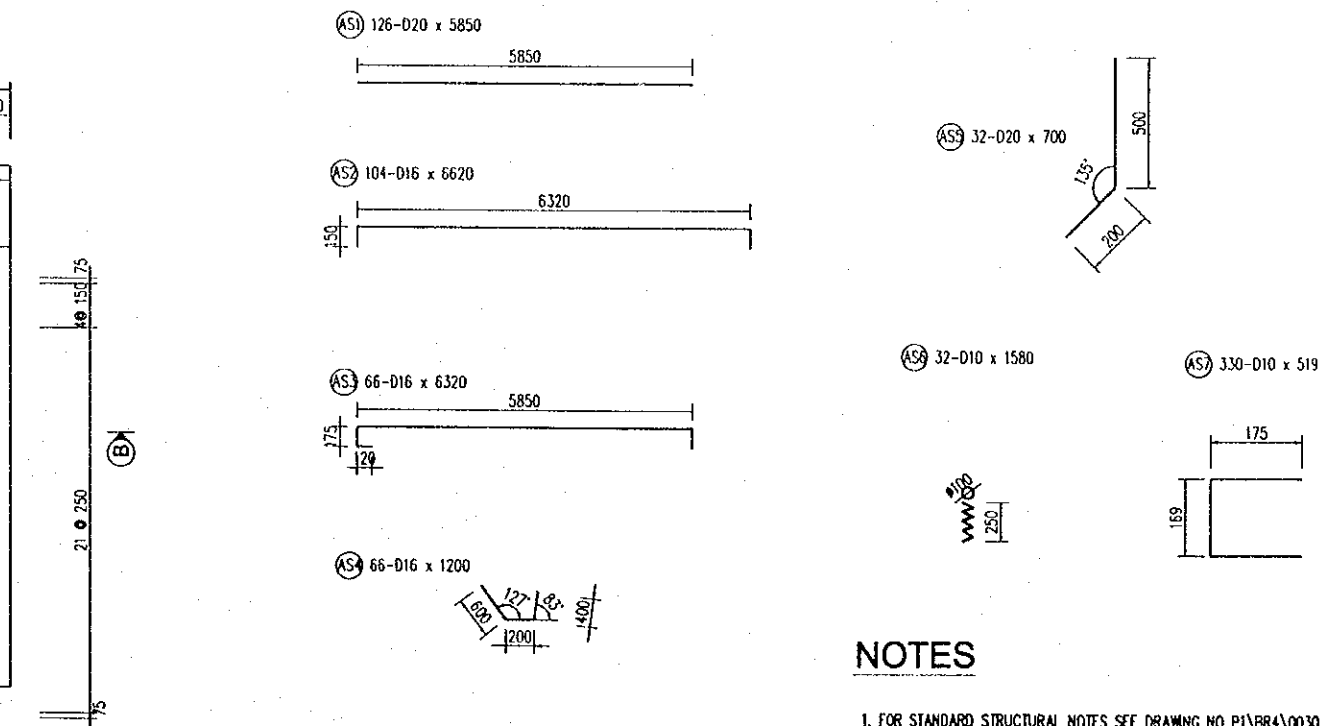
HALF SECTION C - C

SCALE 1:100



HALF SECTION D - D

SCALE 1:100



**LIST OF REINFORCEMENT
(FOR 1 APPROACH SLAB)**

TYPE	DIAMETER (mm)	LENGTH OF BAR (mm)	U.WEIGHT (kg/m)	NUMBER	WEIGHT (Kg)
AS1	D20	5850	2.466	126	1817.7
AS2	D16	6620	1.578	110	1149.1
AS3	D16	6320	1.578	66	658.2
AS4	D16	1200	1.578	66	125.0
AS5	D20	700	2.466	32	55.2
AS6	D10	1580	0.617	32	31.2
AS7	D10	519	0.617	330	105.7
				D20	1872.9 kg
				D16	1932.3 kg
				D10	136.9 kg
				TOTAL :	3942.1 kg
				CONCRETE :	24.3 m ³
				LEAN CONCRETE :	7.5 m ³
				ASPHATIC JOINT FILLER :	0.23 m ³

NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1\BR4\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	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS APPROACH SLAB DETAILS	P1/BR/0420
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

QUANTITY TABLE OF ABUTMENT

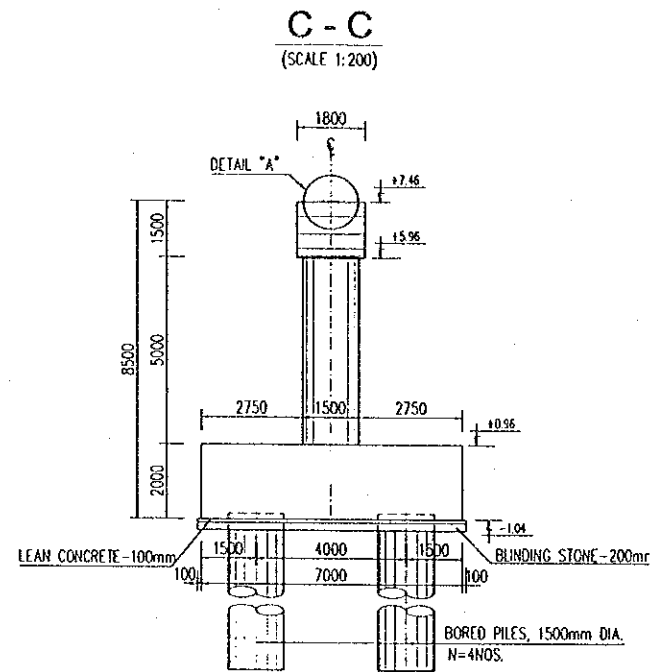
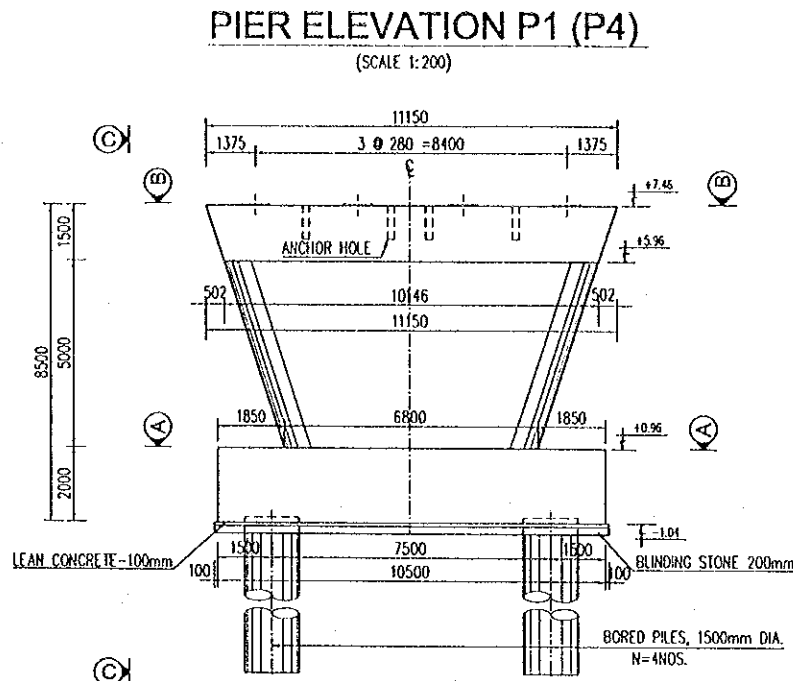
ITEMS	UNIT	ABUTMENT		TOTAL		
		A1	A2			
A- ABUTMENT						
PILE	NUMBER OF PILES	PILE	8	8	16	
	BORED PILES #1500MM DIA. TOTAL LENGTH	M	568.8	568.8	1138	
	CONCRETE CLASS D	M3	1005.2	1005.2	2010	
	REINFORCEMENT	D28	KG	14850.4	14850.4	29701
		D25	KG	32600.0	32600.0	65200
		D22	KG	3039.2	3039.2	6078
		D16	KG	267.2	267.2	534
		D10	KG	8716.0	8716.0	17432
TOTAL	KG	59472.8	59472.8	118946		
ABUTMENT	CONCRETE CLASS E	M3	368.8	368.8	738	
	REINFORCEMENT	D25	KG	8282.8	8282.8	16566
		D22	KG	3421.9	3421.9	6844
		D20	KG	3934	3934	7868
		D18	KG	580	580	1160
		D16	KG	3043.9	3043.9	6088
		D14	KG	1399.3	1399.3	2799
		D10	KG	140.9	140.9	282
	TOTAL	KG	20802.8	20802.8	41606	
	LEAN CONCRETE CLASS G	M3	9.8	9.8	20	
	BINDING STONE	M3	19.5	19.5	39	
EXCAVATION	M3	465	465	931		
FILLING	M3	217	217	435		
B- APPROACH SLAB						
	CONCRETE CLASS E	M3	24.3	24.3	49	
	LEAN CONCRETE CLASS G	M3	7.5	7.5	15	
	ASPHALTIC BIND FILLER T=20MM	M3	0.23	0.23	0.5	
	REINFORCEMENT	D20	KG	1872.9	1872.9	3746
		D16	KG	1932.3	1932.3	3865
		D10	KG	136.9	136.9	274
		TOTAL	KG	3942.1	3942.1	7884
C- SLOPE PROTECTION						
	STONE MASONRY T=300MM	M3	734.3	734.3	1469	
	BINDING AGGREGATE T=100MM	M3	245.1	245.1	490	
	GEOTEXTILE	M2	600.0	600.0	1200	
	PVC PILE 50MM DIA., L=1000MM	M	68.0	68.0	136	
	EXCAVATION	M3	592.0	592.0	1184	
	FILLING	M3	411.0	411.0	822	
	FOOTING	WOODEN PILE L=3M	M	8219	8219.0	16438
BINDING STONE		M3	11	11.0	22	
STONE MASONRY		M3	49.3	49.3	99	

NOTES

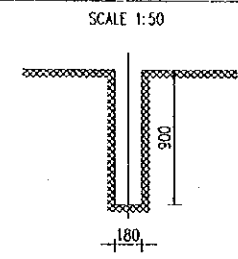
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

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 KOBI CO., LTD.	NAME T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE ABUTMENTS QUANTITY TABLE OF ABUTMENT	P1/BR4/0430
				SIGNATURE <i>T. Kametani</i>	<i>K. Matsumoto</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		

IV. PIERS

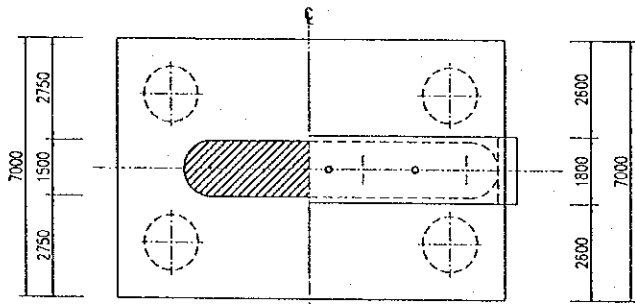


DETAIL ANCHOR HOLE



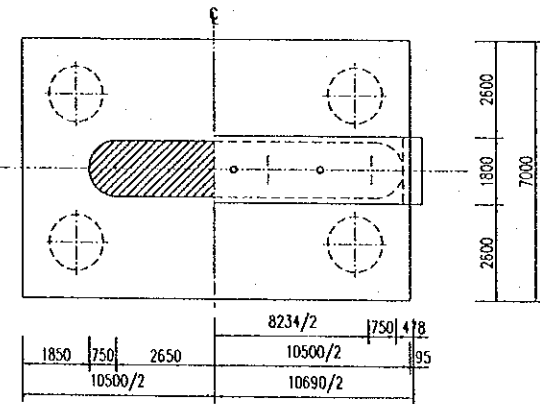
1/2 A - A

(SCALE 1:200)



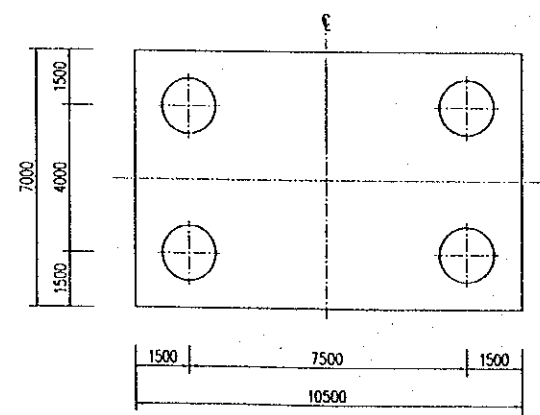
1/2 B - B

(SCALE 1:200)

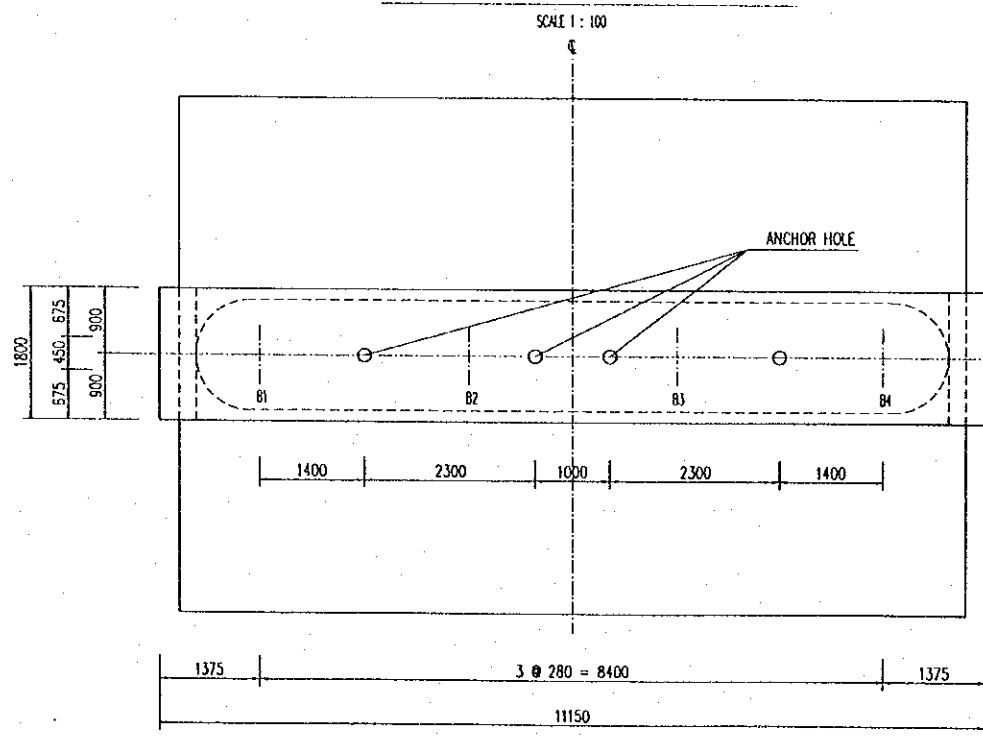


PIER CAP - PLAN

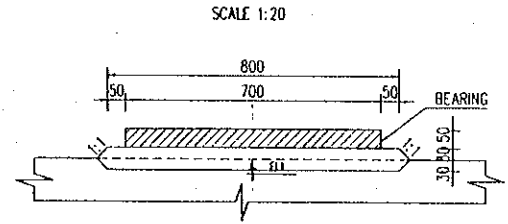
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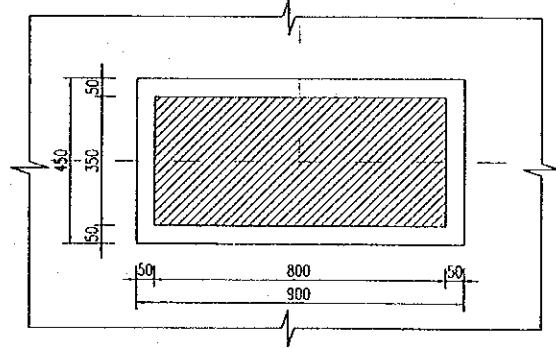
BEARING SEAT - PLAN



DETAIL "A"



PLAN



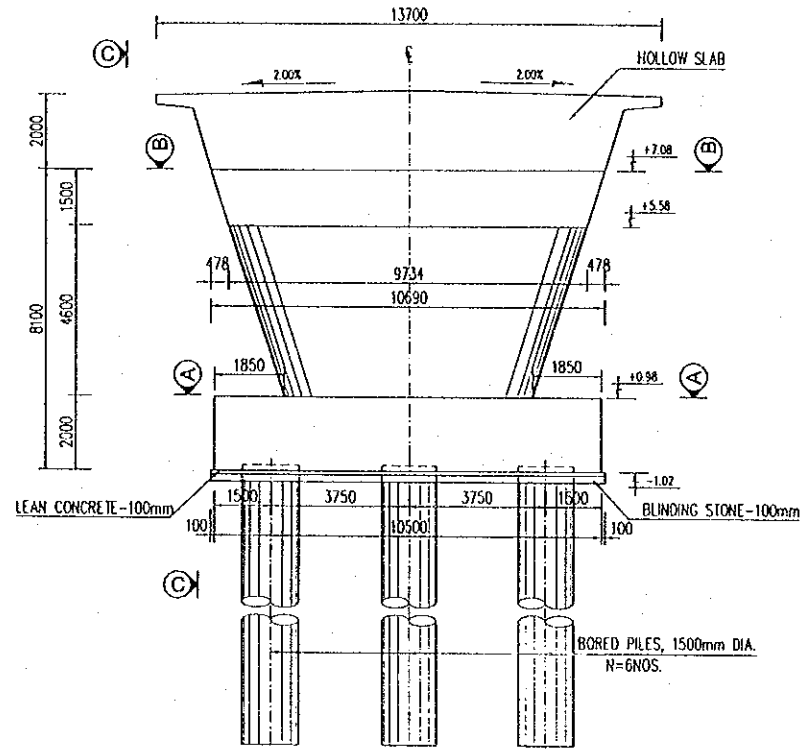
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE PIERS PIER P1 & PIER P4 - GENERAL VIEW	P1/BR4/0440
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

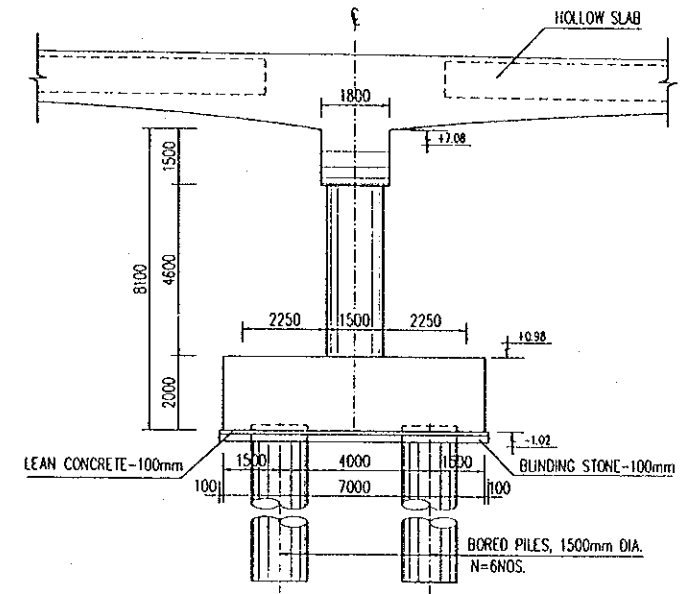
PIER ELEVATION P2 (P3)

(SCALE 1:200)



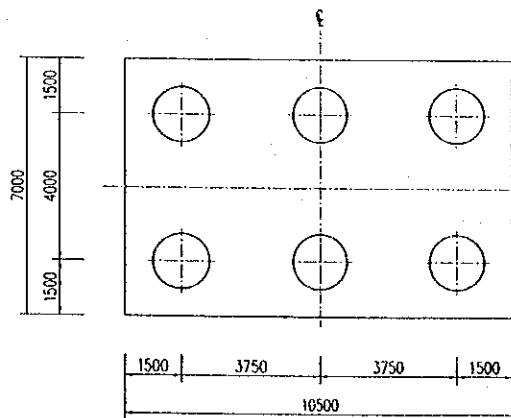
C - C

(SCALE 1:200)



PIER CAP - PLAN

(SCALE 1:200)

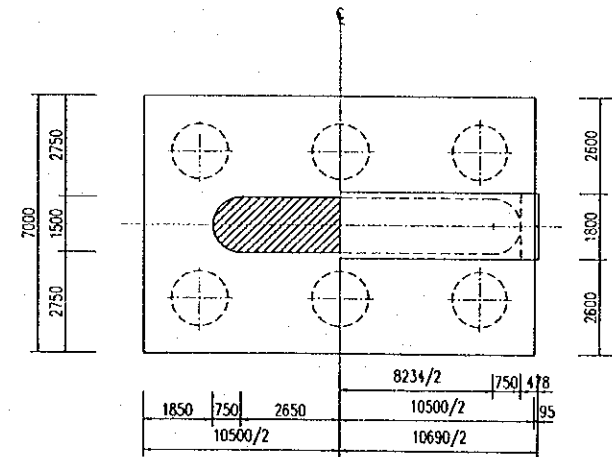


1/2 A - A

(SCALE 1:200)

1/2 B - B

(SCALE 1:200)



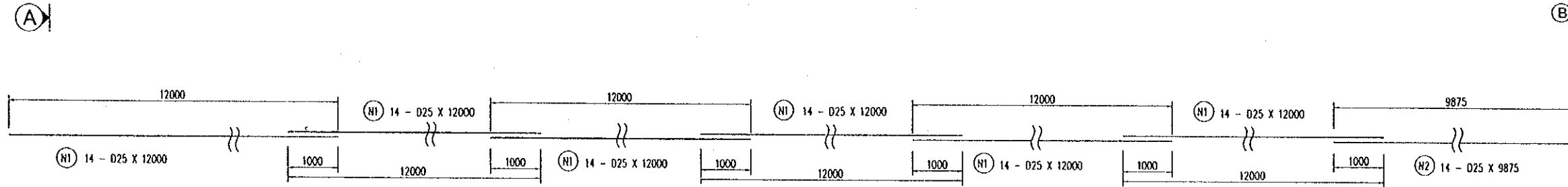
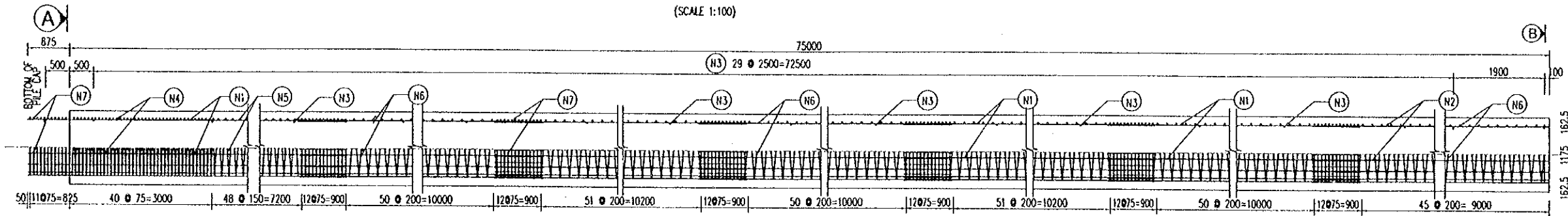
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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. Kamctani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE PIERS PIER P2 & PIER P3 - GENERAL VIEW	P1/BR4/0450
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

BORED CAST IN-SITU PILE DETAILS FOR PIERS P1&P4

(SCALE 1:100)

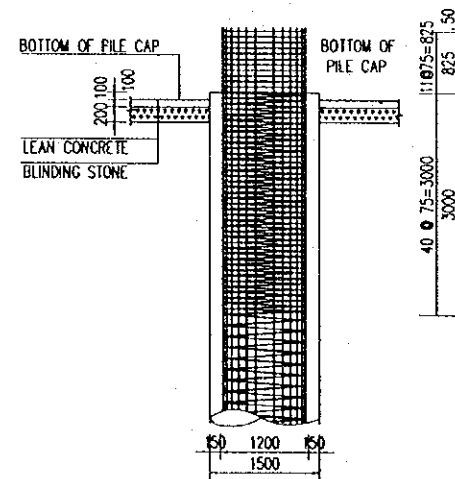
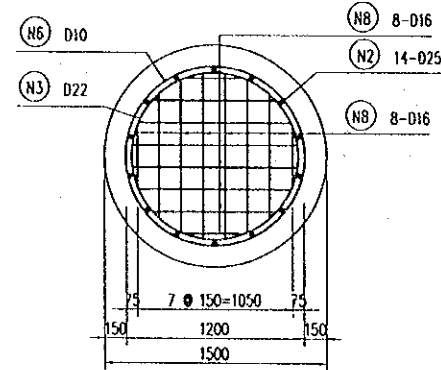
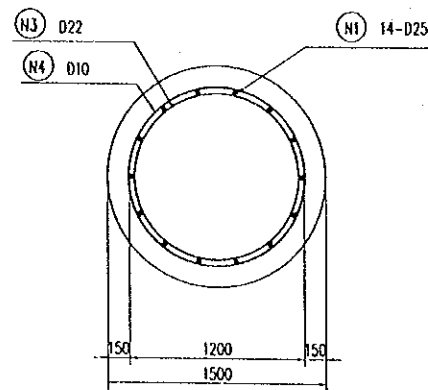


SECTION A-A
(SCALE 1:50)

SECTION B-B
(SCALE 1:50)

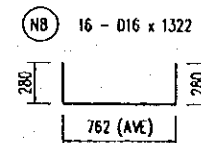
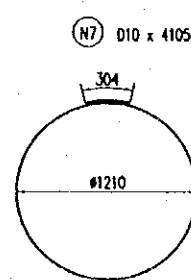
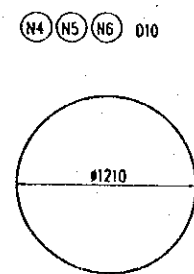
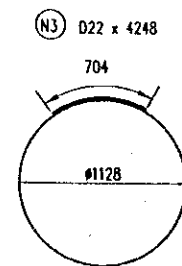
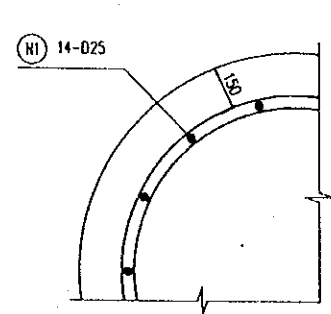
DETAIL OF CONCRETE PILE HEAD
(SCALE 1:100)

MATERIAL OF PILE



TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUME (m3)
N1	D25	12000	3.853	84	3883.8	
N2	D25	9875	3.853	14	532.7	
N3	D22	4248	2.984	32	405.6	
N4	D10	152053	0.617	1	93.8	
N5	D10	182464	0.617	1	112.6	
N6	D10	1128994	0.617	1	696.6	
N7	D10	4105	0.617	90	228.0	
N8	D16	1322	1.578	16	33.4	
					D10	1131.0 kg
					D16	33.4 kg
					D22	405.6 kg
					D25	4416.5 kg
TOTAL						5986.5 kg
						132.54

DETAIL OF COVERING
(SCALE 1:25)



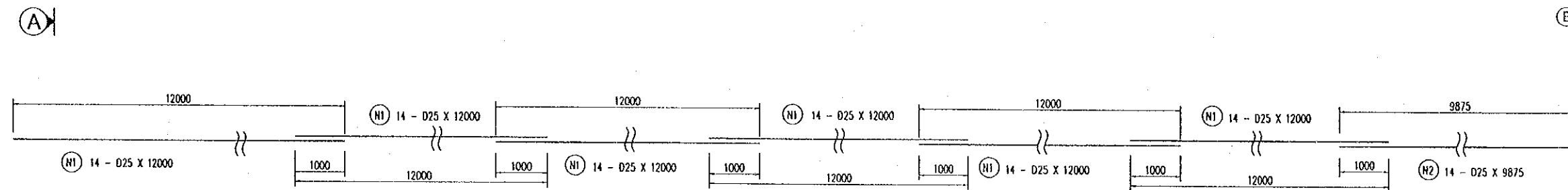
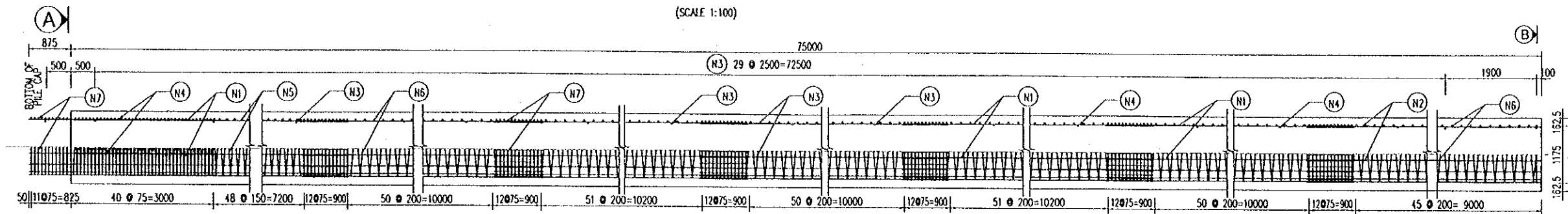
NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE PIERS P1&P4 BORED PILE DETAILS - L=75m.	P1/BR4/0460
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

BORED CAST IN-SITU PILE DETAILS FOR PIERS P2&P3

(SCALE 1:100)



SECTION A-A

(SCALE 1:50)

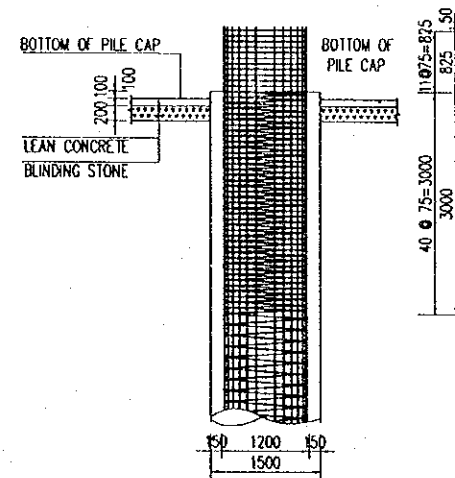
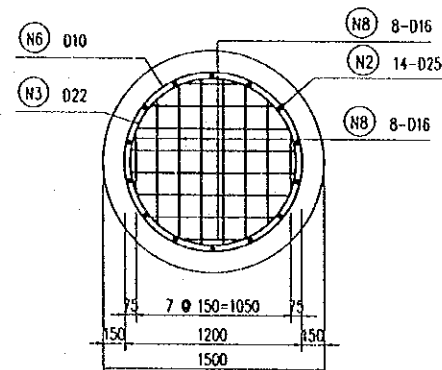
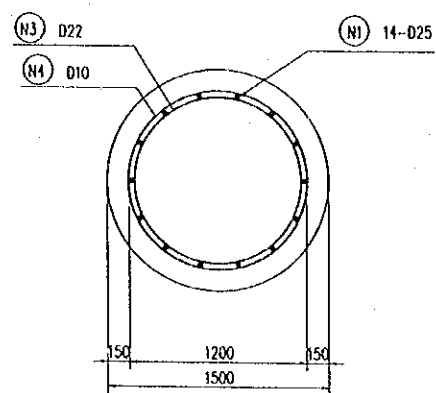
SECTION B-B

(SCALE 1:50)

DETAIL OF CONCRETE PILE HEAD

(SCALE 1:100)

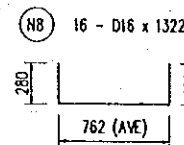
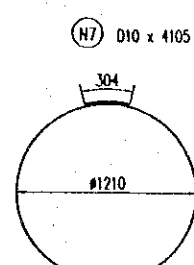
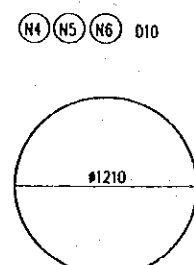
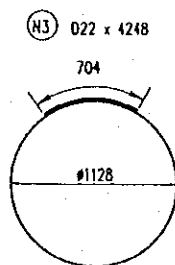
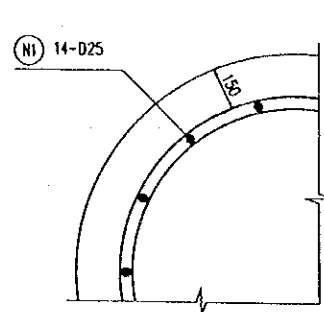
MATERIAL OF PILE



TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUME (m ³)	
N1	D25	12000	3.853	84	3883.8	132.54	
N2	D25	9875	3.853	14	532.7		
N3	D22	4248	2.984	32	405.6		
N4	D10	152053	0.617	1	93.8		
N5	D10	182464	0.617	1	112.6		
N6	D10	1128994	0.617	1	696.6		
N7	D10	4105	0.617	90	228.0		
N8	D16	1322	1.578	16	33.4		
					D10		1131.0 kg
					D16		33.4 kg
					D22		405.6 kg
					D25		4416.5 kg
					TOTAL		5986.5 kg

DETAIL OF COVERING

(SCALE 1:25)



NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

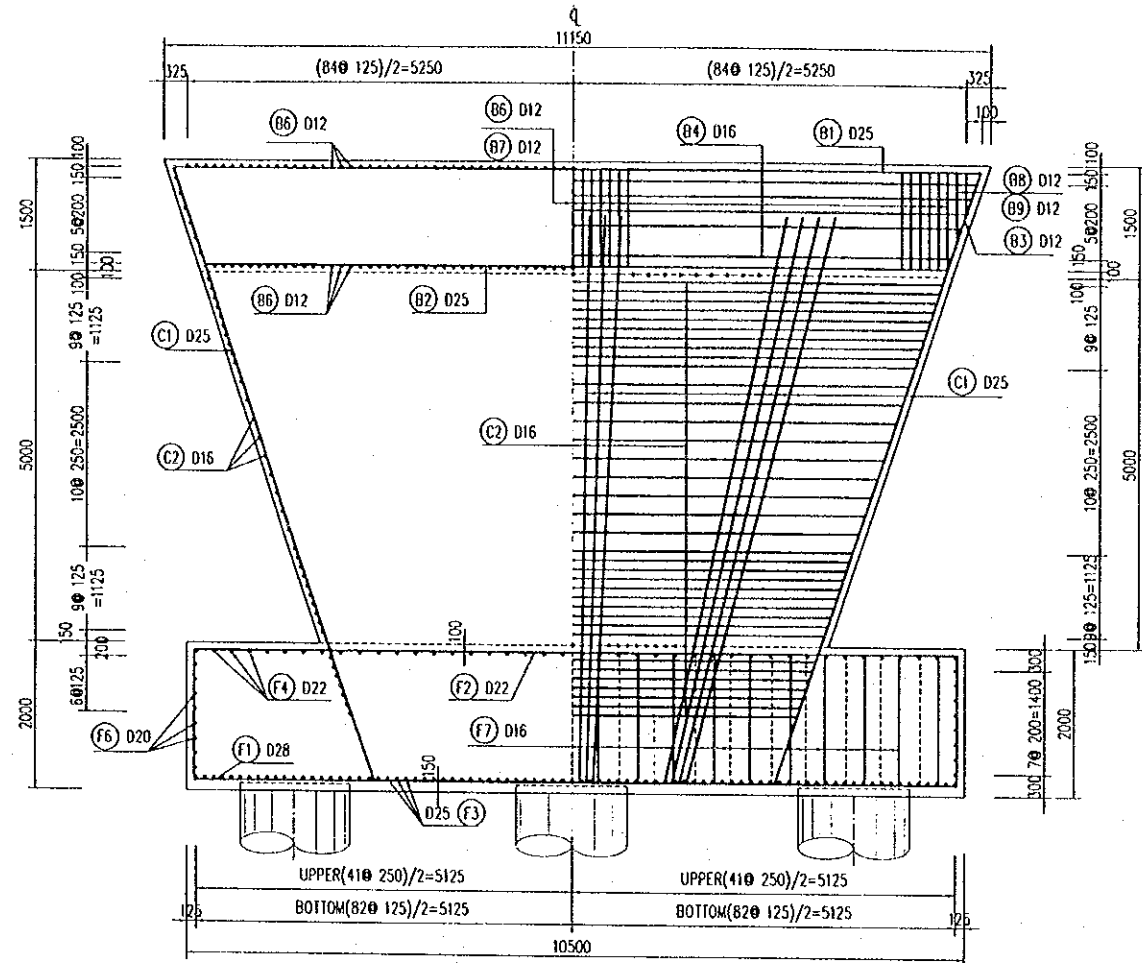
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOBI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE PIERS P2&P3 BORED PILE DETAILS - L= 75m.	P1/BR4/0470
				NAME	SIGNATURE	DATE		
				T. Kametani	K. Matsumoto	20/9/2000		
						29/9/2000		
						5/10/2000		

1/2 SECTION A - A

SCALE 1:100

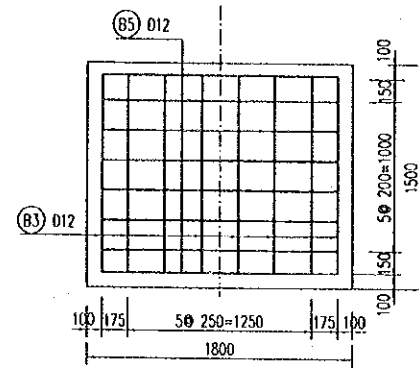
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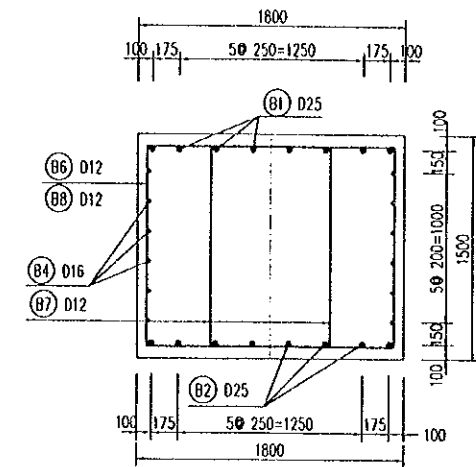
SECTION H - H

SCALE 1:50



SECTION G - G

SCALE 1:50

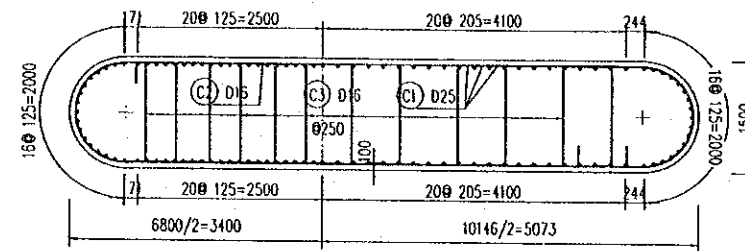


1/2 SECTION E - E

SCALE 1:100

1/2 SECTION F - F

SCALE 1:100

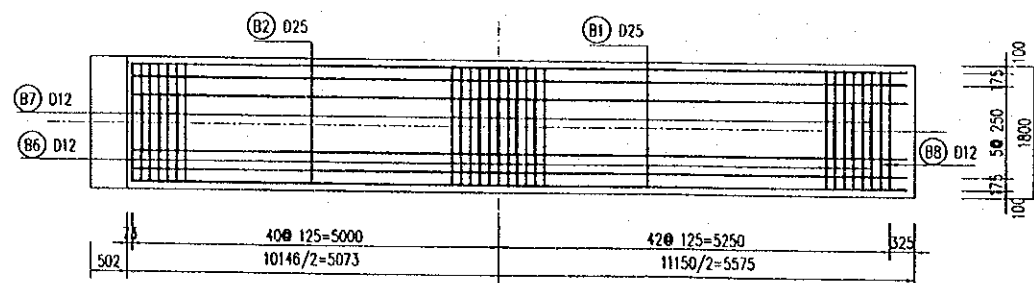


1/2 SECTION B - B

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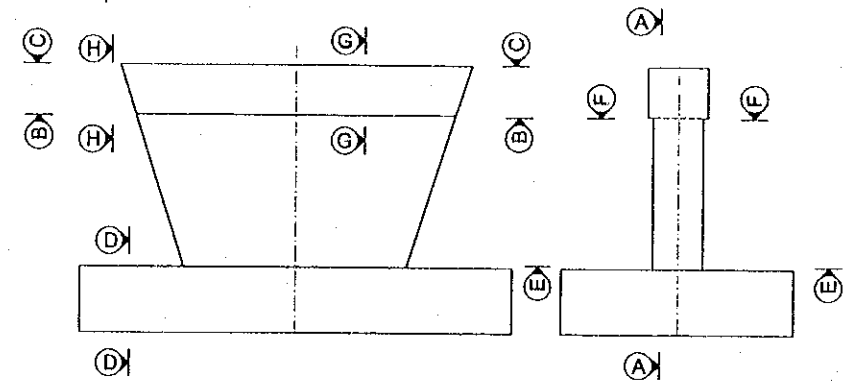
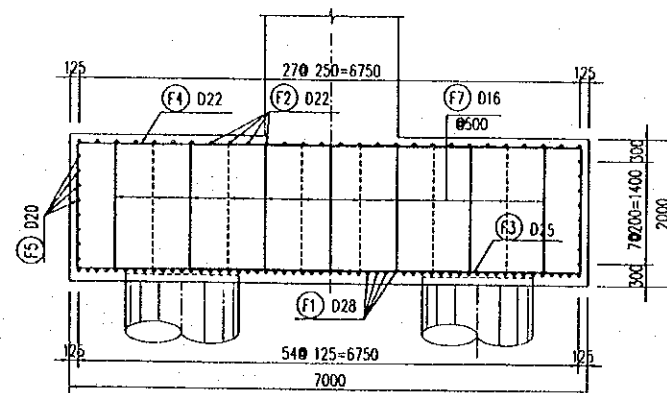
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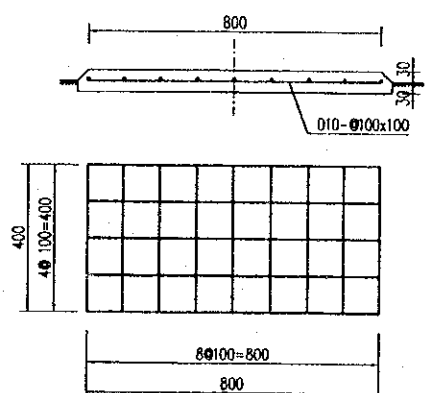
SECTION D - D

SCALE 1:100



REINFORCING SHOES:

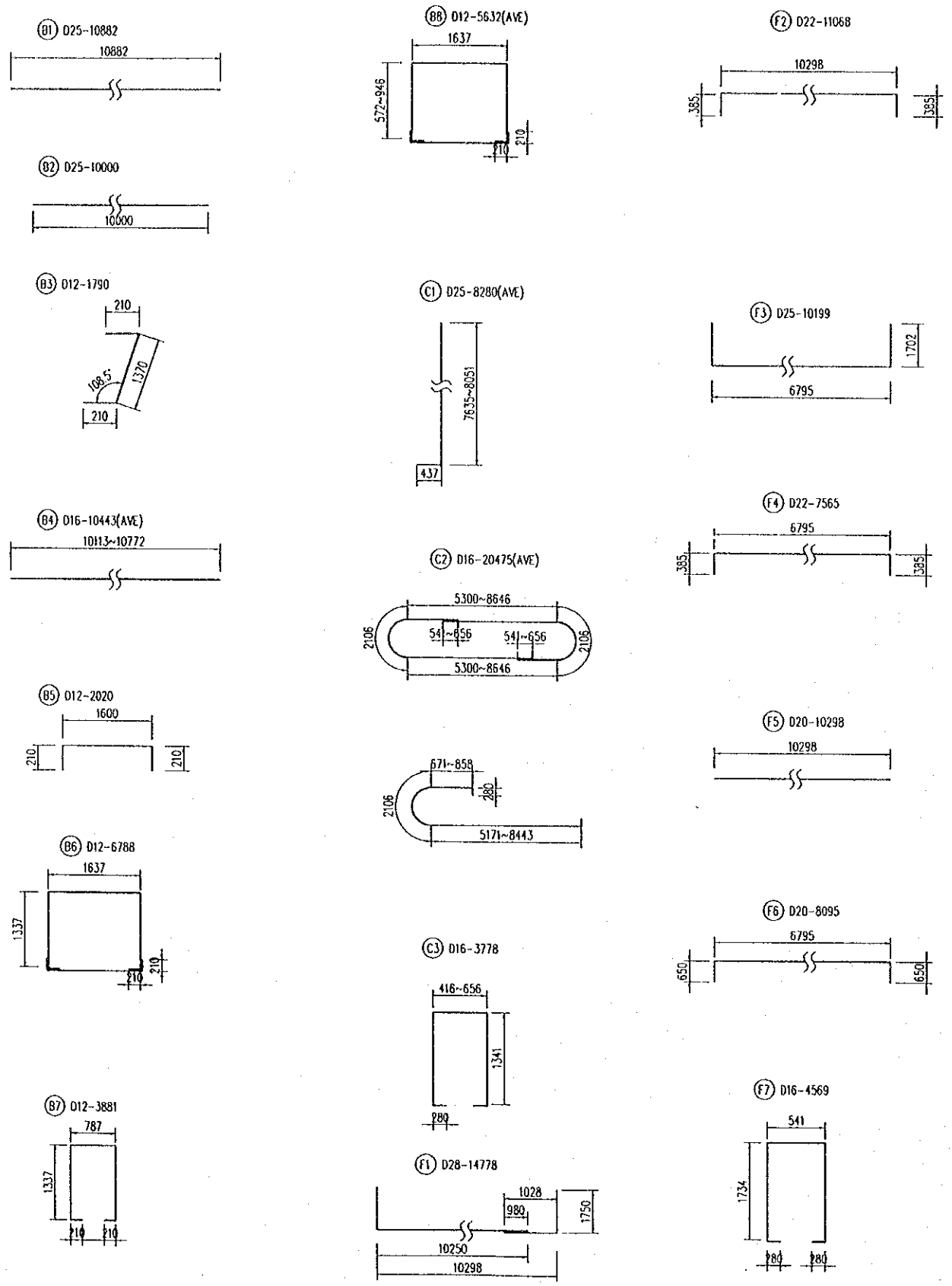
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NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE PIERS PIER P1 & PIER P4 - REINFORCEMENT - SHEET I	P1/BR4/0480



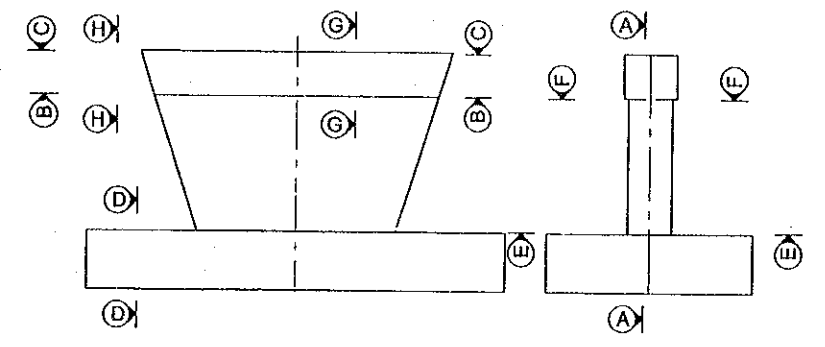
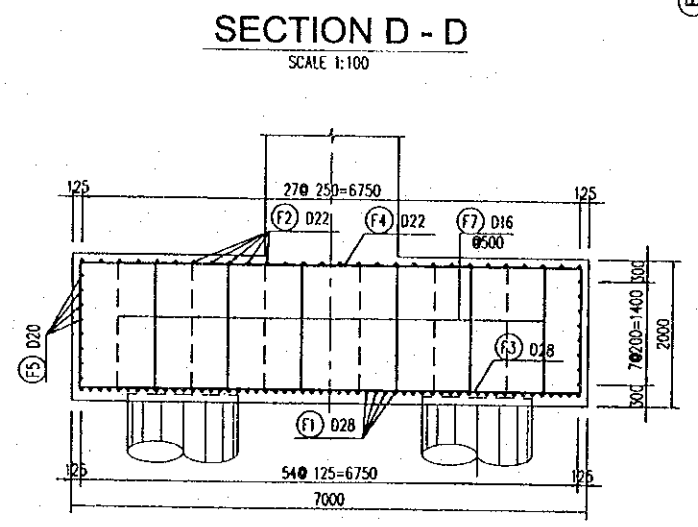
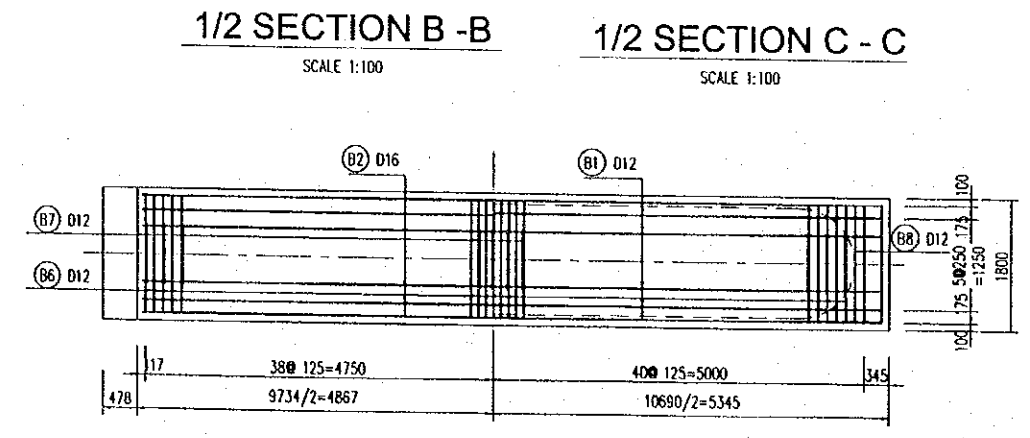
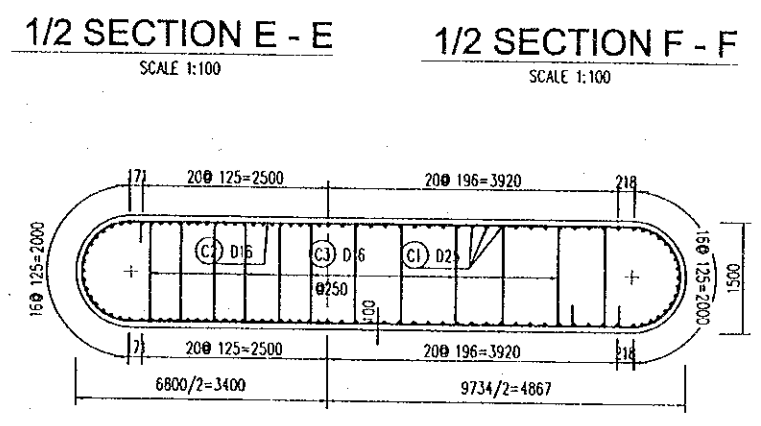
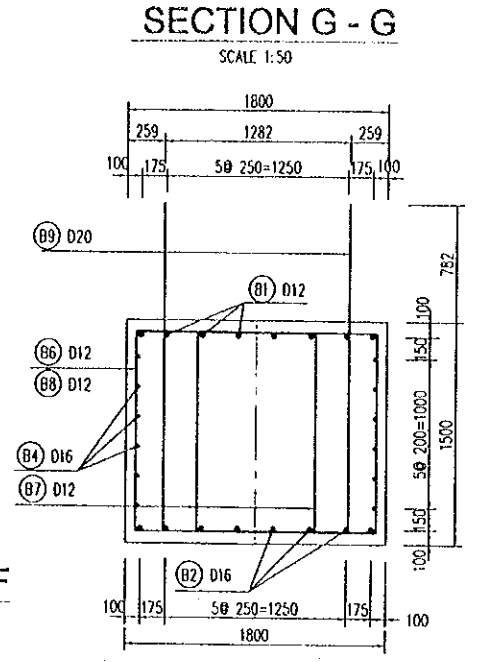
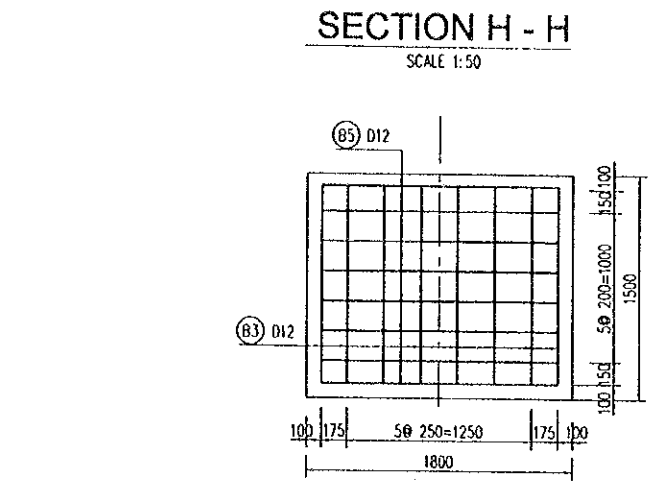
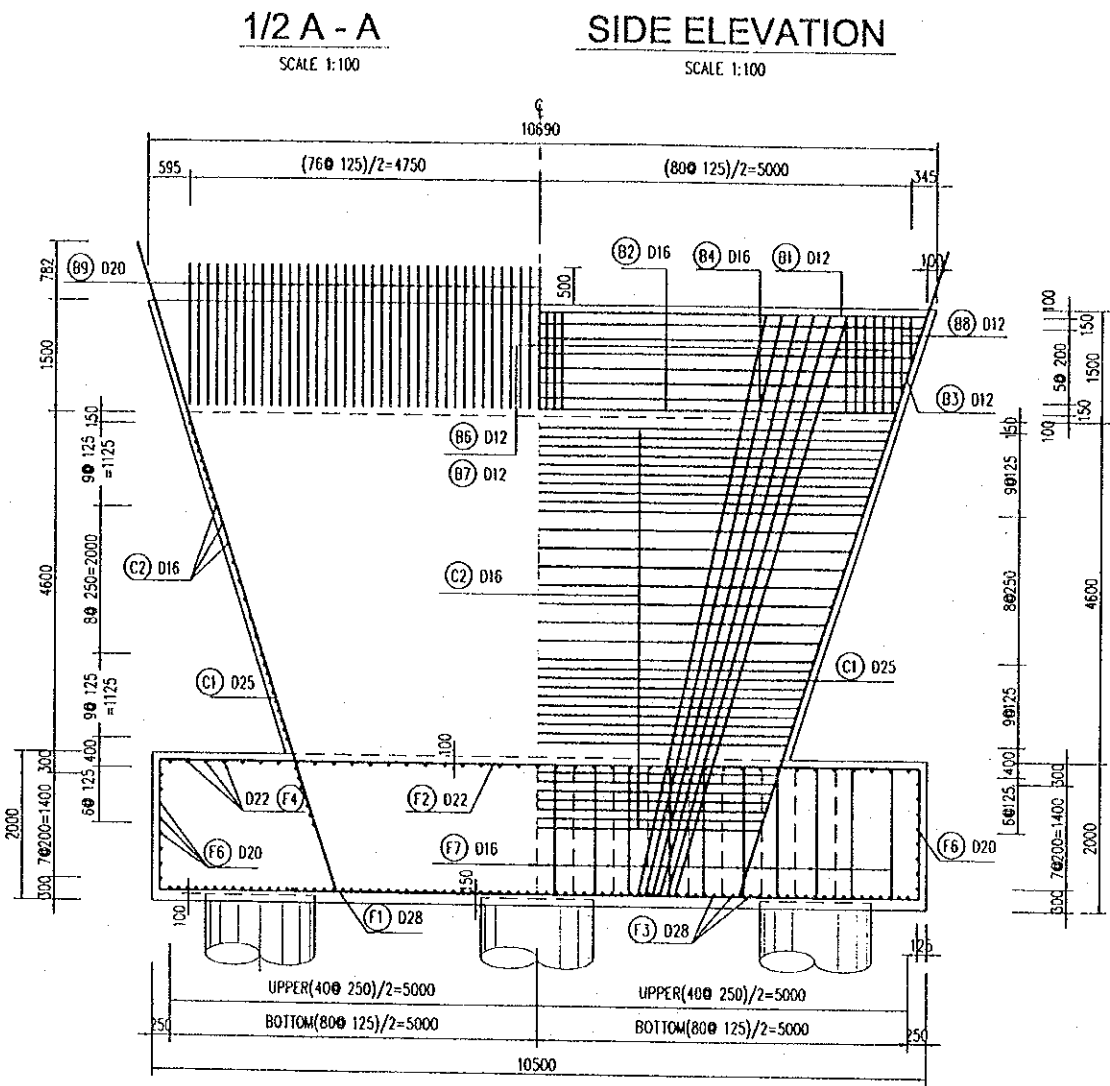
LIST OF REINFORCEMENT (FOR 1 PIER)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARKS
B1	25	10882	8	3.853	335.4	
B2	25	10000	8	3.853	308.2	
B3	12	1790	16	0.888	25.4	
B4	16	10443	12	1.578	197.7	AVERAGE
B5	12	2020	16	0.888	28.7	
B6	12	6788	81	0.888	488.2	
B7	12	3881	41	0.888	141.3	
B8	12	5632	4	0.888	20.0	AVERAGE
C1	25	8280	116	3.853	3700.7	AVERAGE
C2	16	20475	36	1.578	1163.1	AVERAGE
C3	16	3778	132	1.578	786.9	
F1	28	14778	55	4.834	3929.0	
F2	22	11068	28	2.984	924.8	
F3	25	10199	83	3.853	3261.6	
F4	22	7565	42	2.984	948.1	
F5	20	10298	16	2.466	406.3	
F6	20	8095	16	2.466	319.4	
F7	16	4569	110	1.578	793.1	
R	10	30400	1	0.617	18.8	
TOTAL						
		17796.9	KG			
	D28	3929.0	KG			
	D25	7606.0	KG			
	D22	1872.9	KG			
	D20	725.7	KG			
	D16	2940.9	KG			
	D12	703.7	KG			
	D10	18.8	KG			
						CONCRETE : 236.2 M3

NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

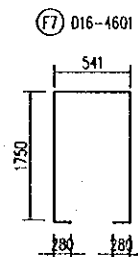
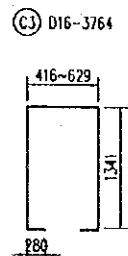
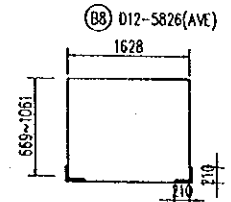
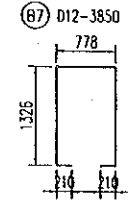
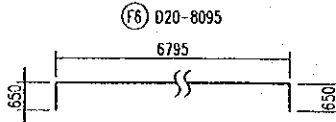
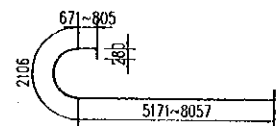
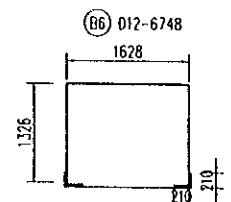
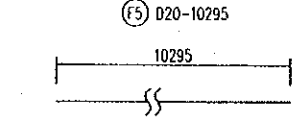
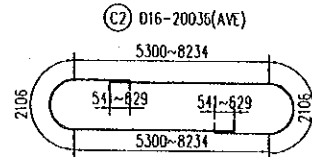
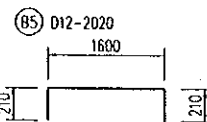
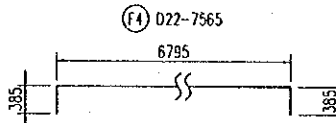
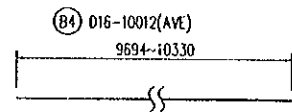
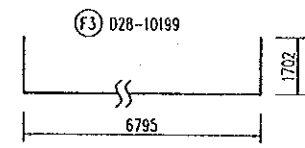
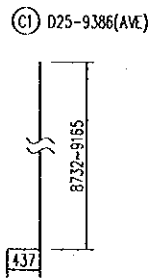
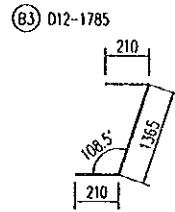
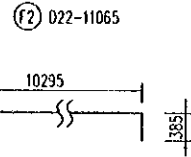
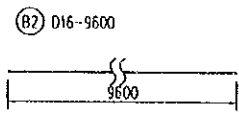
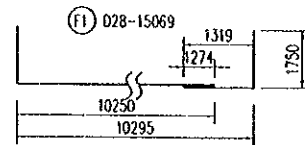
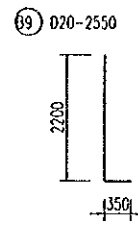
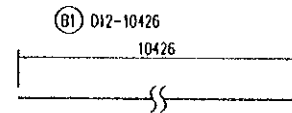
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE PIERS	P1/BR4/0490
				SIGNATURE			PIER P1 & PIER P4 - REINFORCEMENT - SHEET 2	
				DATE	20/9/2000	29/9/2000		



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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	INTERCHANGE 2 FLYOVER BRIDGE PIERS PIER P2 & PIER P3 - REINFORCEMENT - SHEET 1	P1/BR4/0500
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		



LIST OF REINFORCEMENT (FOR 1 PIER)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARKS
B1	12	10426	8	0.888	74.1	
B2	16	9600	8	1.578	121.2	
B3	12	1785	16	0.888	25.4	
B4	16	10012	12	1.578	189.6	AVERAGE
B5	12	2020	16	0.888	28.7	
B6	12	6748	77	0.888	461.4	
B7	12	3850	39	0.888	133.3	
B8	12	5826	4	0.888	20.7	AVERAGE
B9	20	2550	154	2.466	968.4	
C1	25	9386	116	3.853	4195.1	AVERAGE
C2	16	20036	34	1.578	1075.0	AVERAGE
C3	16	3764	126	1.578	748.4	
F1	28	15069	55	4.834	4006.4	
F2	22	11065	28	2.984	924.5	
F3	28	10199	81	4.834	3993.5	
F4	22	7565	41	2.984	925.5	
F5	20	10295	16	2.466	406.2	
F6	20	8095	16	2.466	319.4	
F7	16	4601	114	1.578	827.7	
TOTAL		19444.3	KG			
	D28	7999.9	KG			
	D25	4195.1	KG			
	D22	1850.0	KG			
	D20	1694.0	KG			
	D16	2961.8	KG			
	D12	743.6	KG			
					CONCRETE : 228.3 M3	

NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE PIERS PIER P2 & PIER P3 - REINFORCEMENT - SHEET 2	P1/BR4/0510
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

QUANTITY TABLE OF PIERS

ITEMS	UNIT	PIER P1		PIER P2		PIER P3		PIER P4		TOTAL	
		PIER P1	PIER P2	PIER P3	PIER P4	PIER P3	PIER P4	PIER P3	PIER P4		
PILE	NUMBER OF PILES	PILE	4	6	6	6	4			20	
	TOTAL LENGTH OF BORED PILES #1500MM	M	300.0	450.0	450.0	300.0				1500	
	CONCRETE CLASS D	M3	530.1	795.2	795.2	530.1				2651	
	REINFORCEMENT	D28	KG	0.0	0.0	0.0	0.0				0
		D25	KG	17666.0	26499.0	26499.0	17666.0				88330
		D22	KG	1622.4	2433.6	2433.6	1622.4				8112
		D16	KG	133.6	200.4	200.4	133.6				668
		D10	KG	4524.0	6786.0	6786.0	4524.0				22620
TOTAL		KG	23946.0	35919.0	35919.0	23946.0				119730	
PIER	CONCRETE CLASS E	M3	236.2	228.3	228.3	236.2				929	
	REINFORCEMENT	D28	KG	3929.0	7999.9	7999.9	3929.0				23858
		D25	KG	7606.0	4195.1	4195.1	7606.0				23602
		D22	KG	1872.9	1850.0	1850.0	1872.9				7446
		D20	KG	725.7	1694.0	1694.0	725.7				4839
		D16	KG	2940.9	2961.8	2961.8	2940.9				11805
		D12	KG	703.7	743.6	743.6	703.7				2895
		D10	KG	18.8	0.0	0.0	18.8				38
	TOTAL	KG	17797.0	19444.4	19444.4	17797.0				74483	
	LEAN CONCRETE CLASS G	M3	7.0	6.6	6.6	7.0				27	
	BLINDING STONE	M3	14.0	13.3	13.3	14.0				55	
EXCAVATION	M3	520.3	516.5	516.5	520.3				2074		
FILLING	M3	347.7	343.8	343.8	347.7				1383		

NOTES

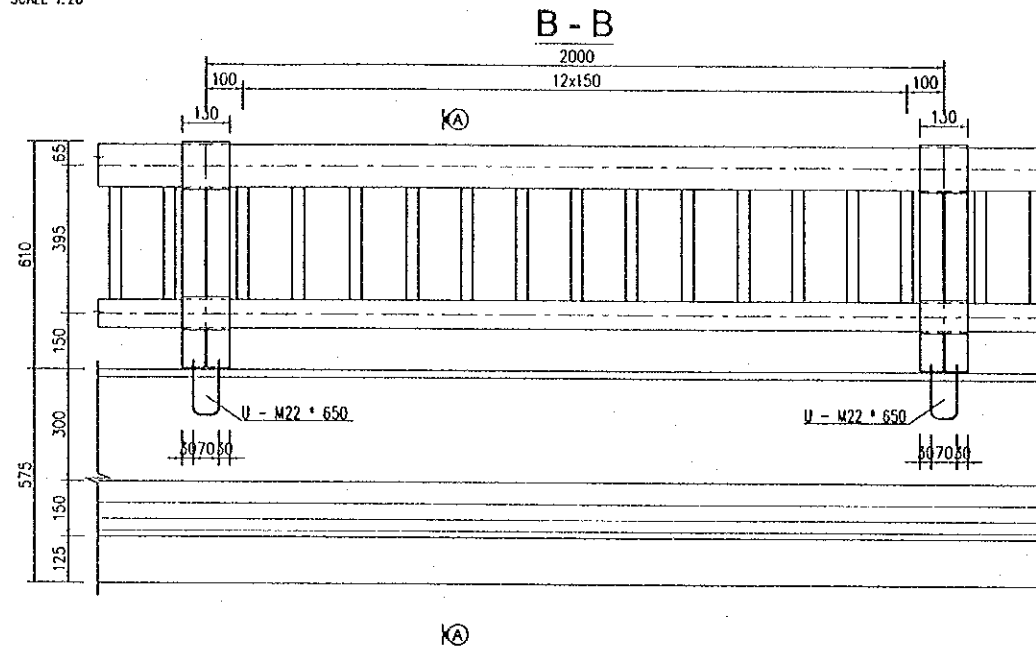
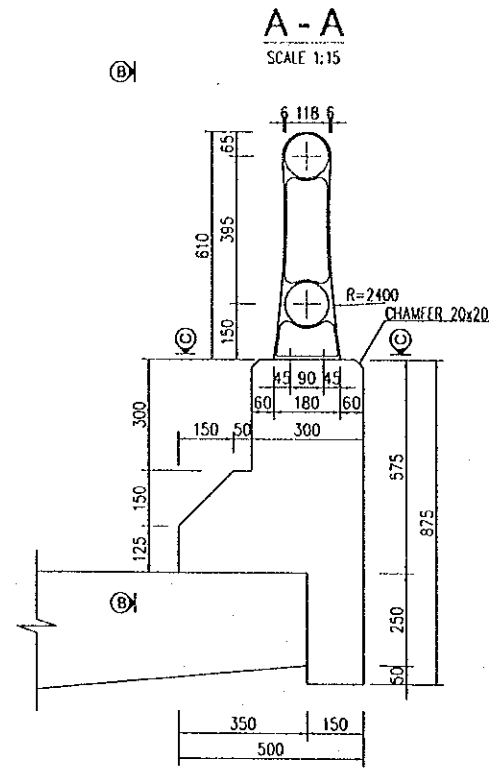
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

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. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE PIERS	P1/BR4/0520
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>	<i>K. Enomoto</i>	QUANTITY TABLE OF PIERS	
				DATE	20/9/2000	29/9/2000	5/10/2000		

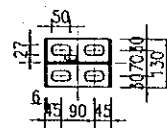
V. MISCELLANEOUS

DETAIL OF PARAPET AND RAILING

SCALE 1:20



C - C

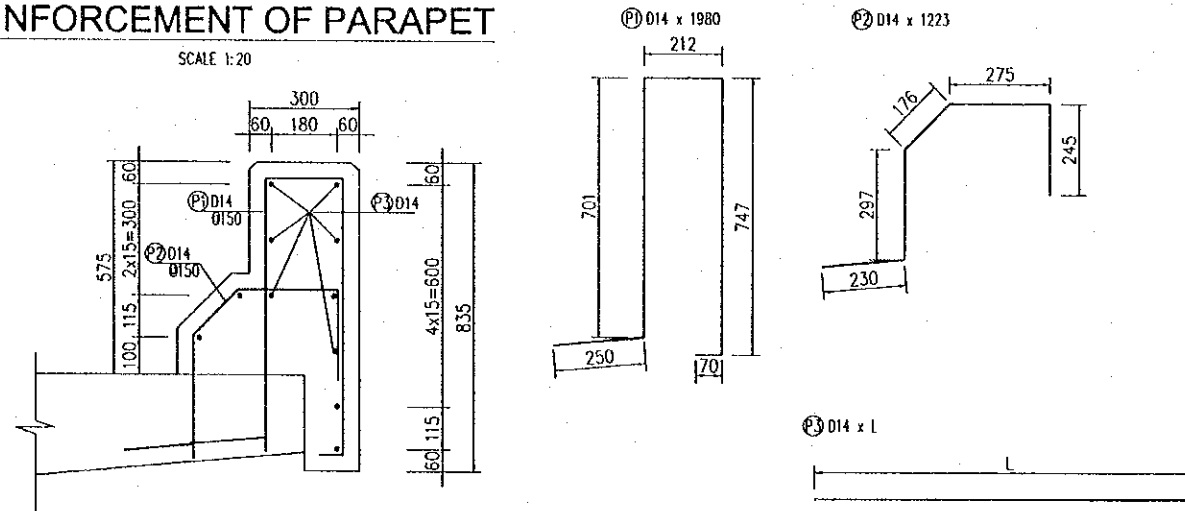


NOTES:

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANISSED 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	
ANCHOR 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)

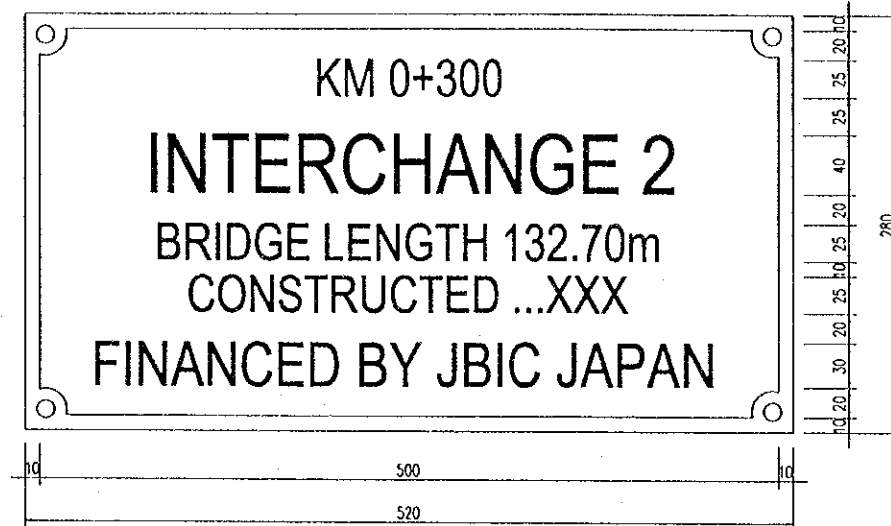
NAME	DIAMETER (mm)	LENGTH (mm)	NUMBER	U. WEIGHT (kg/m)	WEIGHT (kg)
P1	14	1980	68	1,208	162.6
P2	14	1223	68	1,208	100.5
P3	14	10000	11	1,208	132.9
D14 CONCRETE				396.0	kg
				2.61	m ³

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	NIPPON KOBI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS PARAPET AND RAILING DETAILS	P1/BR4/0530

DETAIL OF BRIDGE NAME PLAQUE

SCALE 1:5

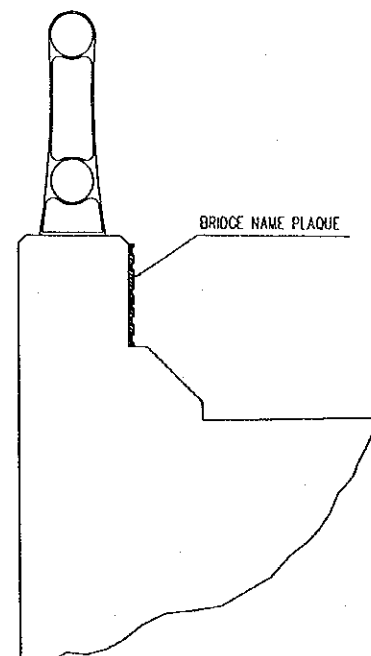
DETAIL 1



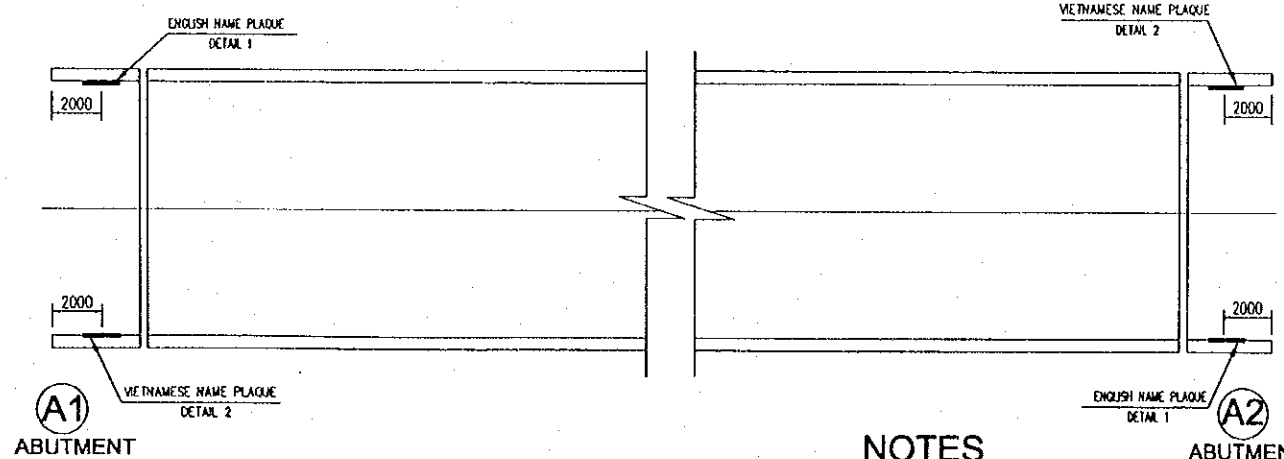
DETAIL 2



LOCATION OF NAME PLAQUE



PLAN



NOTES

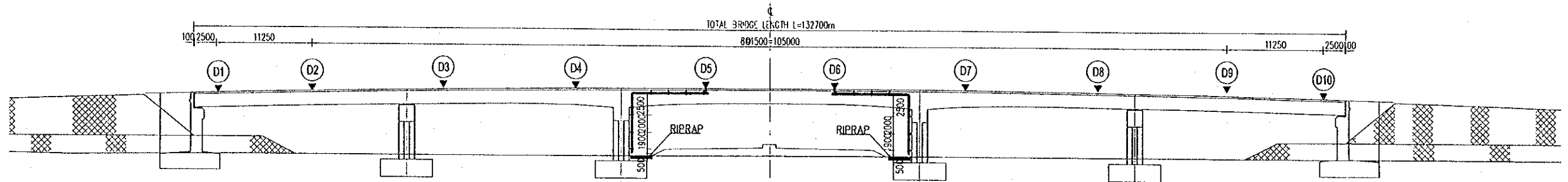
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. MATERIAL SHALL BE BRONZE.
3. THE DATE TO BE ENTERED AGAINST CONSTRUCTED SHALL BE AS INSTRUCTED BY THE ENGINEER.
4. ONE PLATE SHALL BE WRITTEN IN ENGLISH AND ONE IN VIETNAMESE.
THE EXACT FIXING LOCATIONS TO BE INSTRUCTED BY THE ENGINEER.

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	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS BRIDGE NAME PLAQUE	P1/BR4/0540
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

DRAINAGE AND LIGHTING POLES LAYOUT

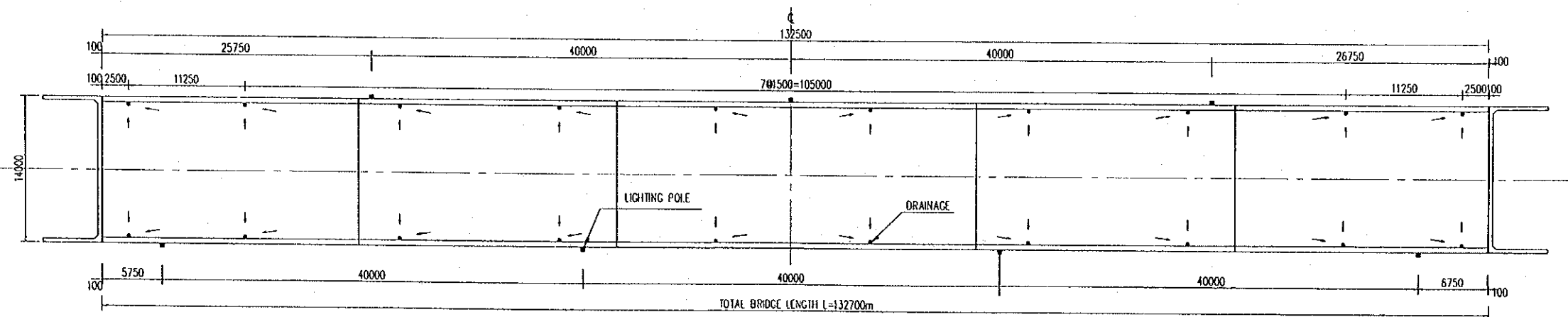
SIDE ELEVATION

SCALE 1: 500



PLAN

SCALE 1: 500



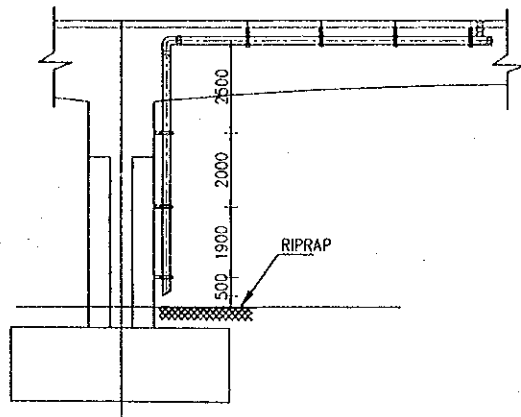
NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS DRAINAGE AND LIGHTING POLES LAYOUT	P1/BR4/0550
				SIGNATURE <i>T. Kametani</i>	<i>K. Matsumoto</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		

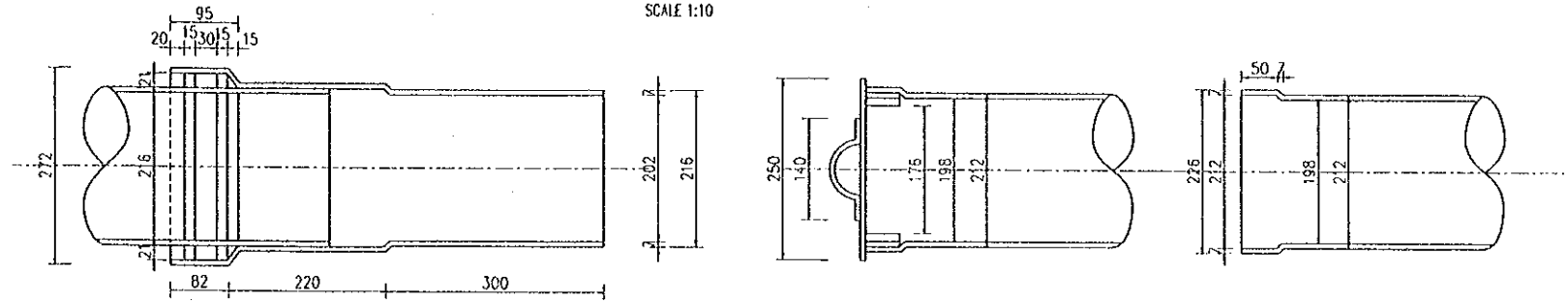
DRAINAGE AT ABUTEMENT

SCALE 1:100



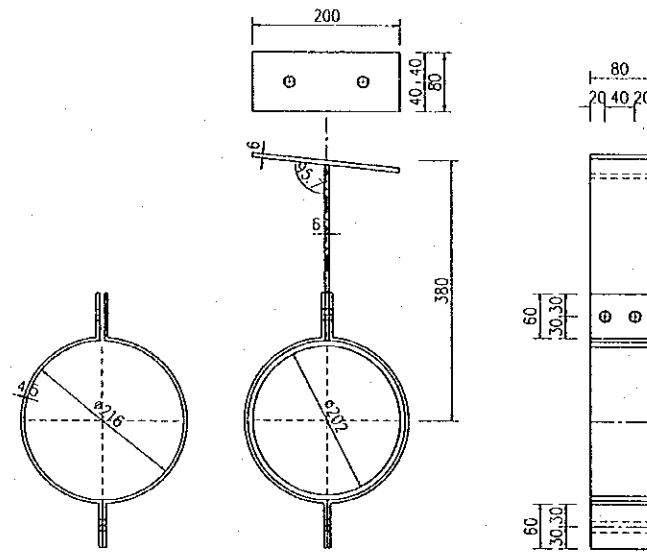
EXPANSION PIPE JOINT

SCALE 1:10



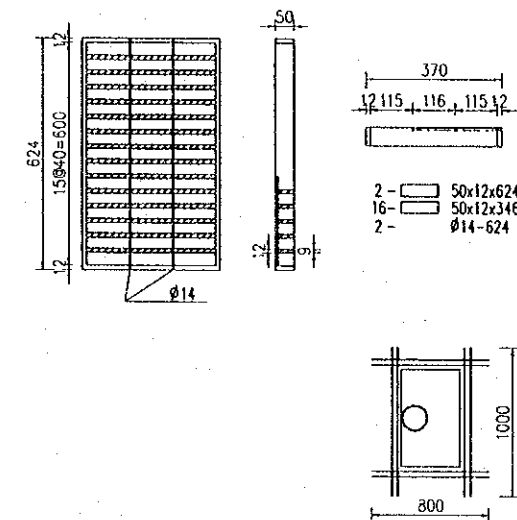
HANGER

SCALE 1:10



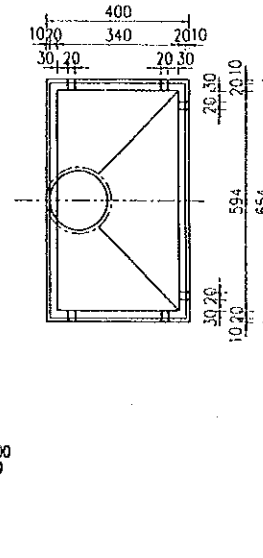
SCREEN

SCALE 1:20



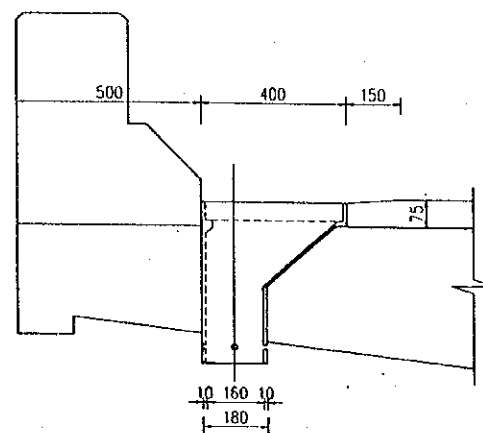
DRAIN BOX

SCALE 1:20



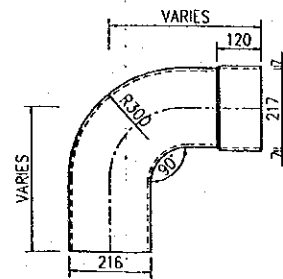
LOCATION OF DRAIN

SCALE 1:20



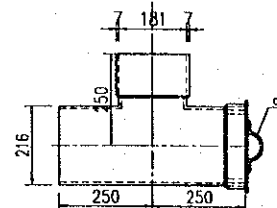
BEND PIPE (Ø 200mm)

SCALE 1:20



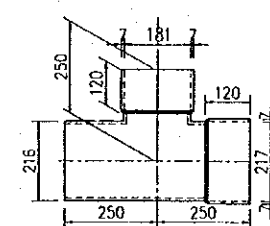
TEES (Ø=200mm)

(STYLE 1)
SCALE 1:20



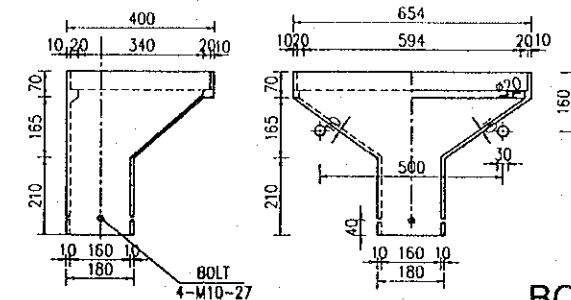
TEES (Ø=200mm)

(STYLE 2)
SCALE 1:20



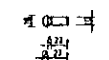
DECK DRAIN

SCALE 1:20



BOLT

SCALE 1:10



NOTES:

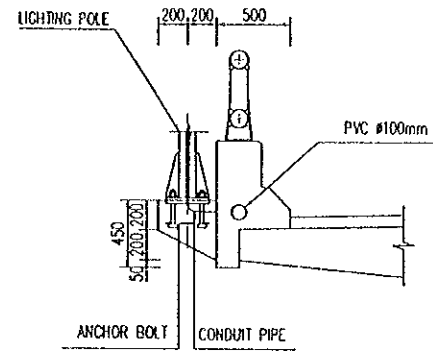
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS DRAINAGE DETAILS	P1/BR4/0560

DETAILS OF LIGHTING POLES' BASE

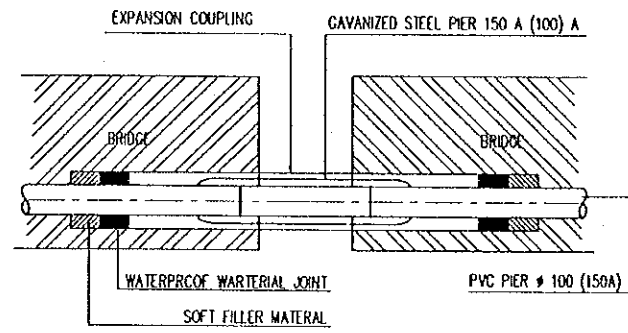
CROSS SECTION

(SCALE : 1:50)



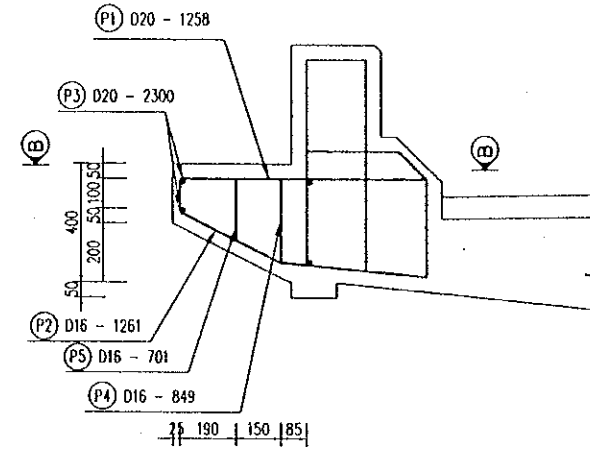
CONDUIT EXPANSION JOINT FOR BRIDGE

(SCALE 1:25)



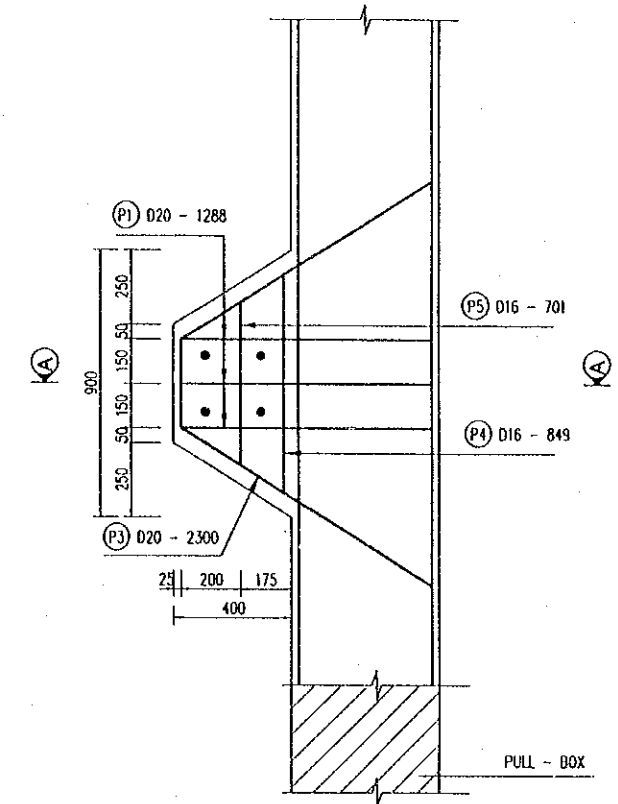
SECTION A-A

(SCALE 1:25)



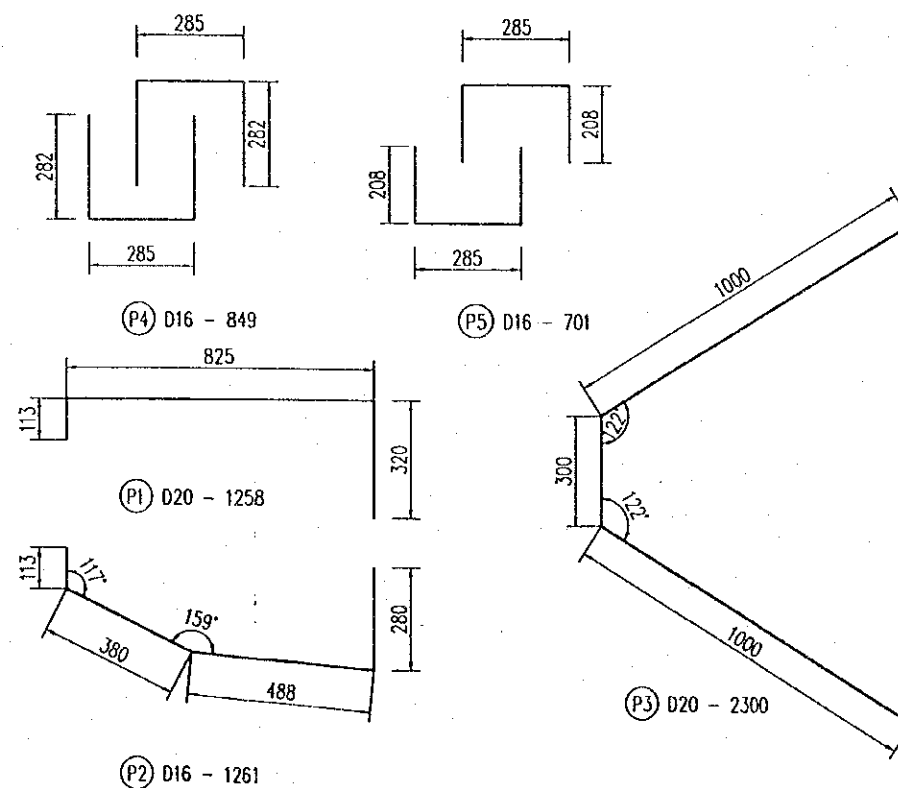
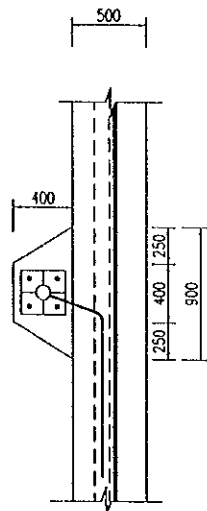
SECTION B-B

(SCALE 1:25)



PLAN

(SCALE : 1:50)



LIST OF REINFORCEMENT

REIN NO	DIAMETER (mm)	LENGTH (mm)	U.WEIGHT (kg/m)	NUMBER	WEIGHT (Kg)
P1	D 20	1258	2.466	3	9.31
P2	D 16	1261	1.578	3	5.97
P3	D 20	2300	2.466	2	11.34
P4	D 16	849	1.578	2	2.68
P5	D 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/BR4/0030.
- 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.



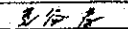
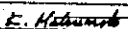

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. 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	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS BASE DETAILS OF LIGHTING POLES	P1/BR4/0570

QUANTITY TABLE OF MISCELLANEOUS WORKS

A- PARAPET	CONCRETE CLASS E		m ³	69
	REINFORCEMENT	D14	kg	10510
B- RAILING			m	287
C- LIGHTING	LIGHTING POLES		poles	7
	CONCRETE CLASS E		m ³	1
	REINFORCEMENT	D20	kg	145
		D16	kg	76
	PVC PILE #100MM		m	265
D- DRAINAGE	DRAINAGE		set	20
	PVC PILE #200MM		m	62

NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

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	INTERCHANGE 2 FLYOVER BRIDGE MISCELLANEOUS QUANTITY TABLE OF MISCELLANEOUS WORKS	P1/BR4/0580
				SIGNATURE 				
				DATE 20/9/2000	29/9/2000	5/10/2000		

JICA

