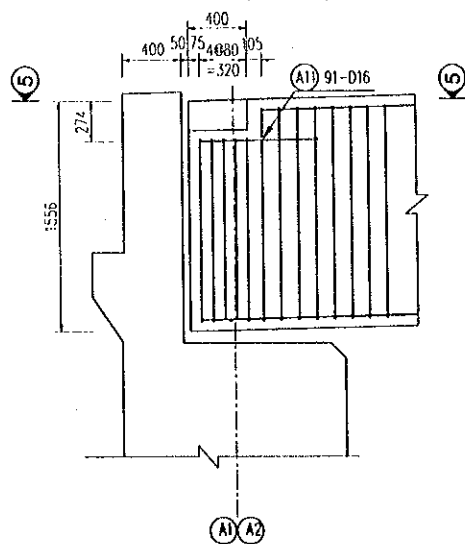


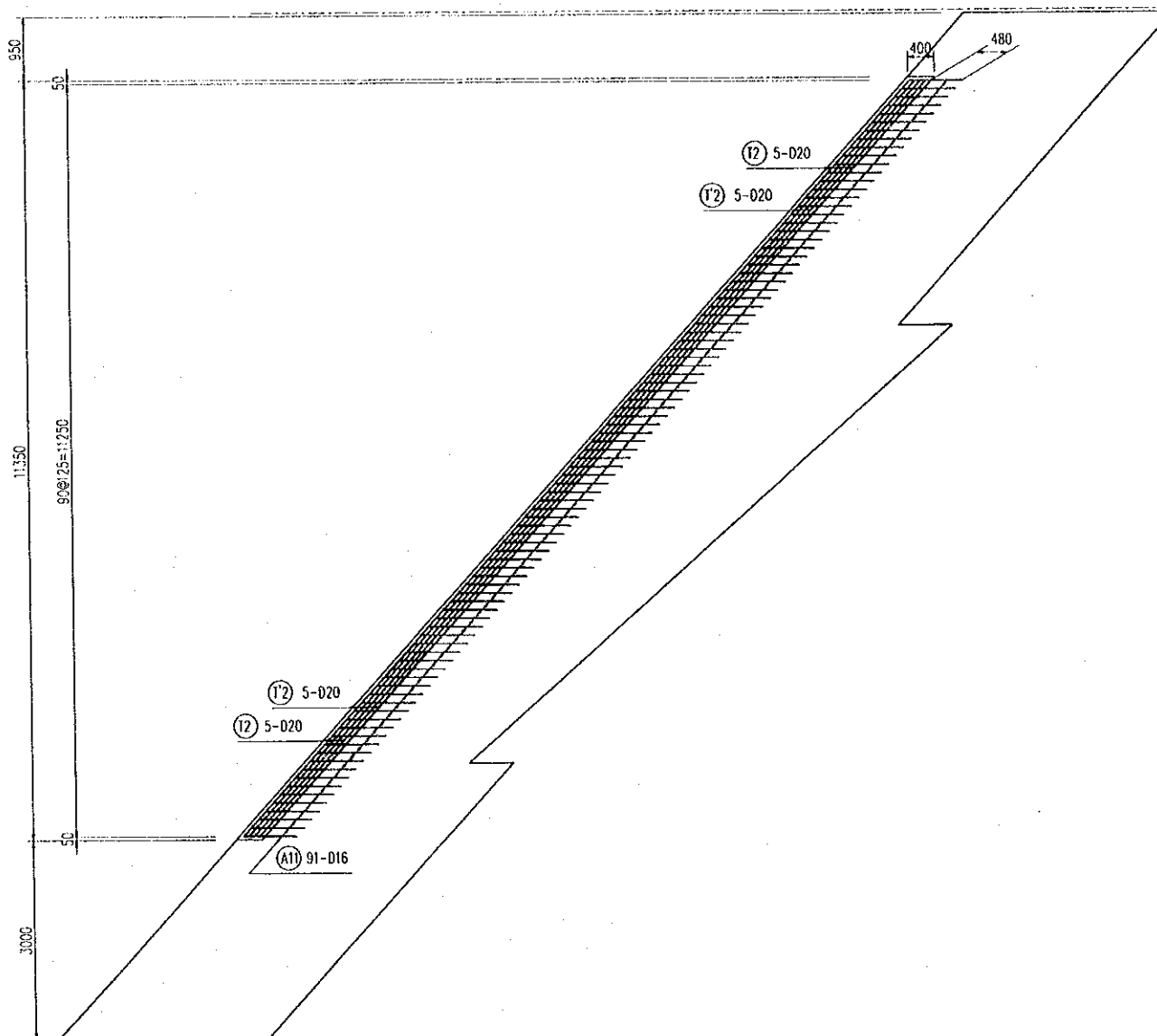
**DETAIL A**

(SCALE 1:50)



**5-5**

(SCALE 1:100)



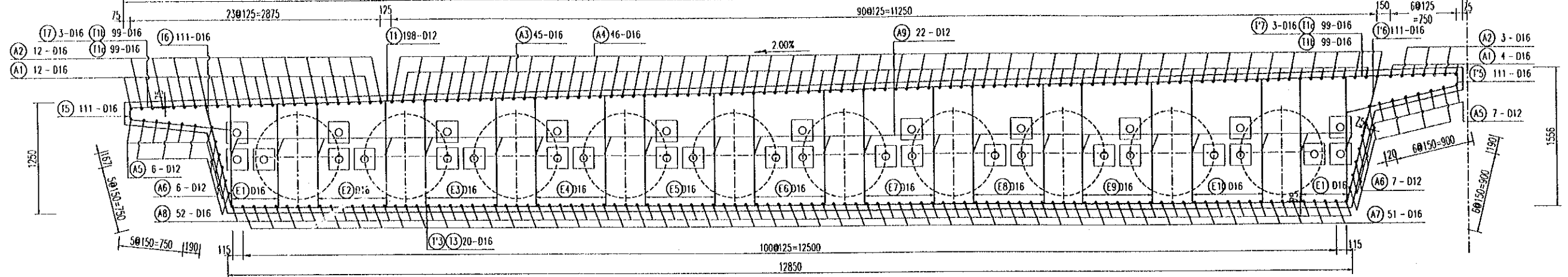
**NOTE**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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	K. Matsumoto <i>K. Matsumoto</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 5	P3/BR8/0250

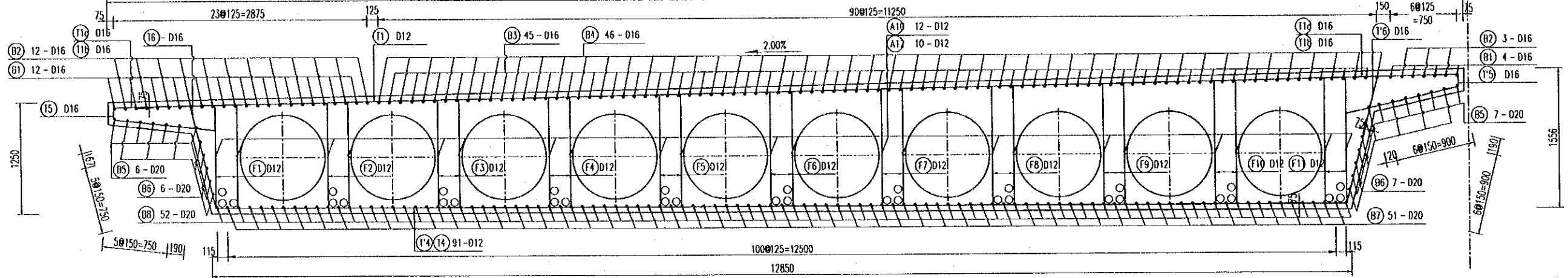
### SECTION A-A

(SCALE 1:50)  
15300



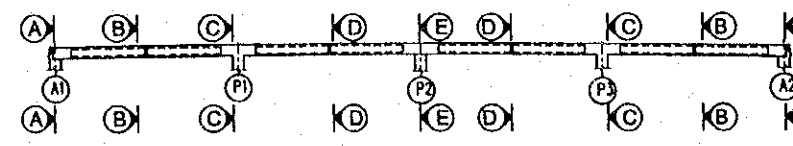
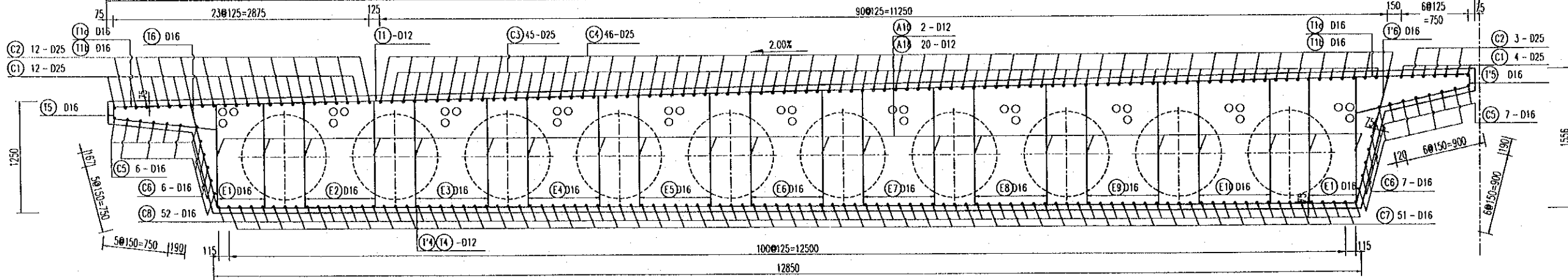
### SECTION B-B

(SCALE 1:50)  
15300



### SECTION C-C

(SCALE 1:50)  
15300



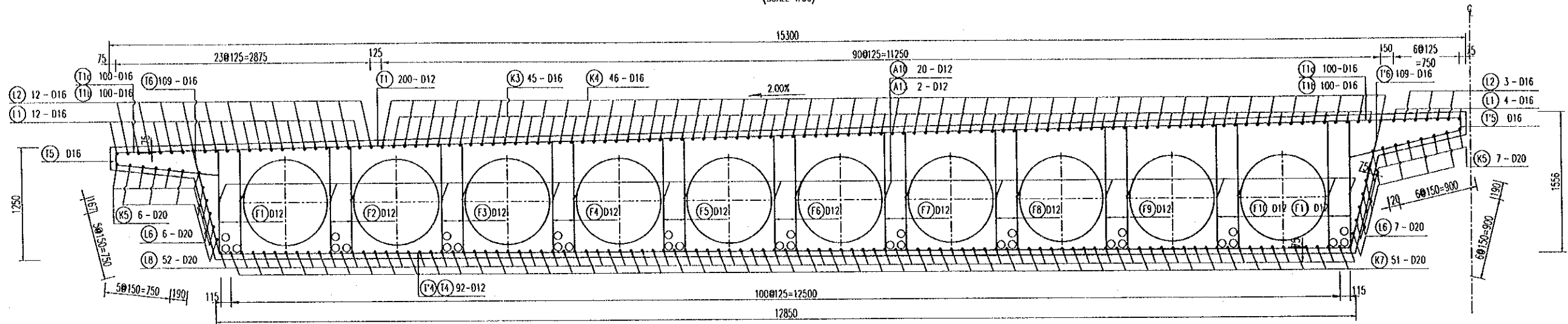
### NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.
- SYMBOL :   
 : TENDON  
 : ANCHORAGE

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: <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 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 6	P3/BR8/0260

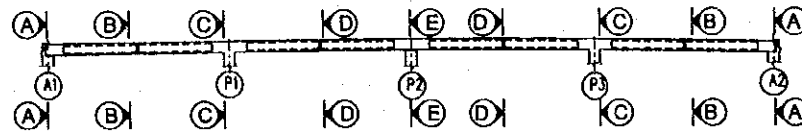
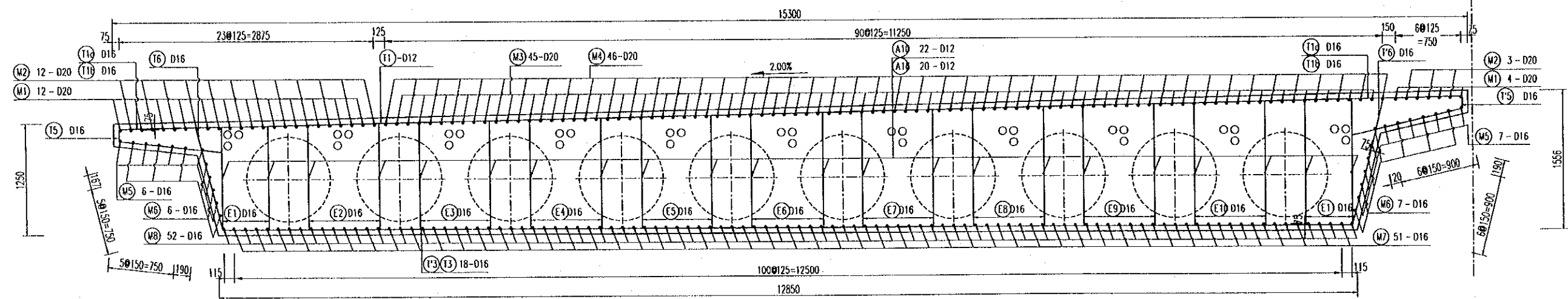
### SECTION D-D

(SCALE 1:50)



### SECTION E-E

(SCALE 1:50)



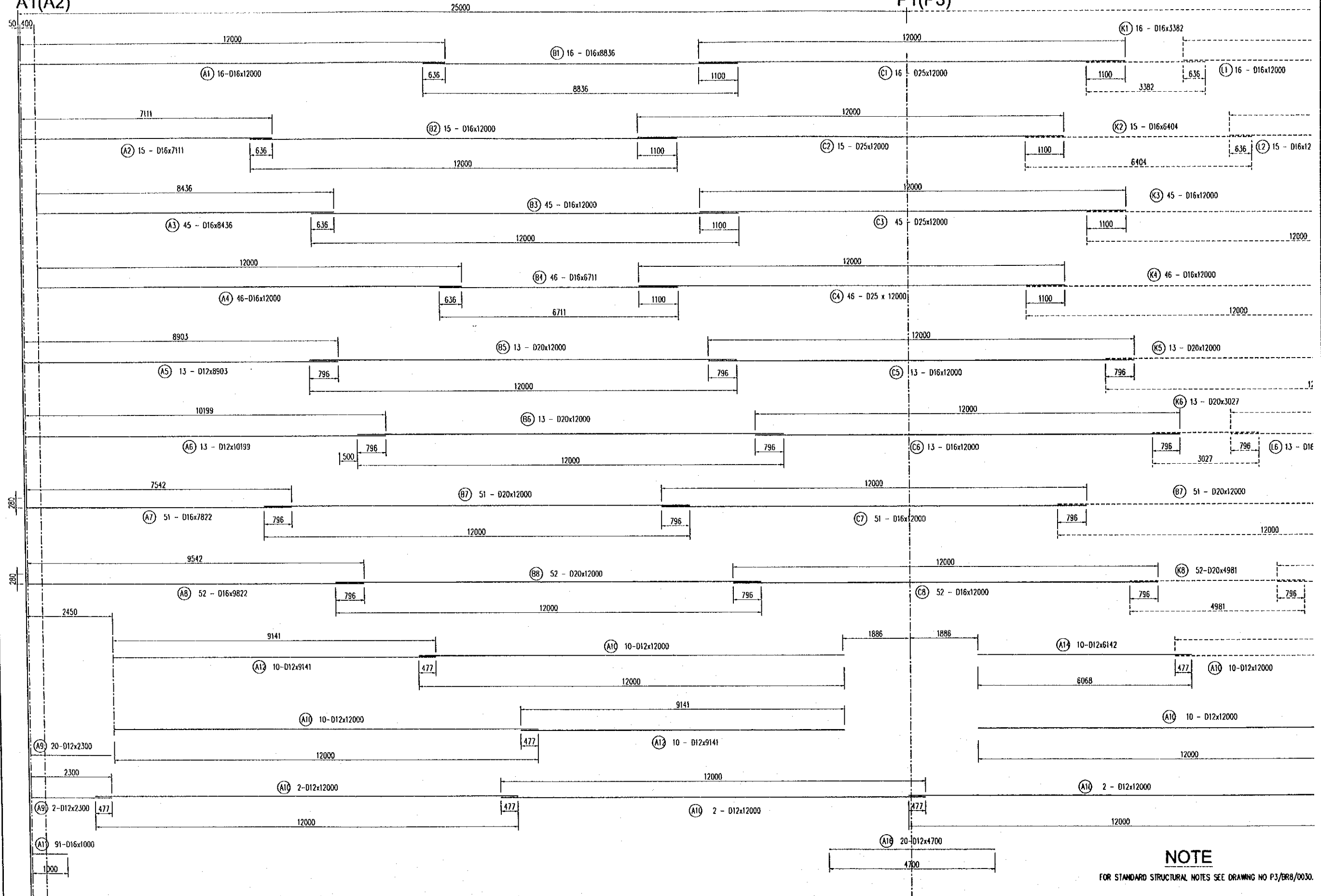
### NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.
- SYMBOL :   
 : TENDON   
 : ANCHORAGE

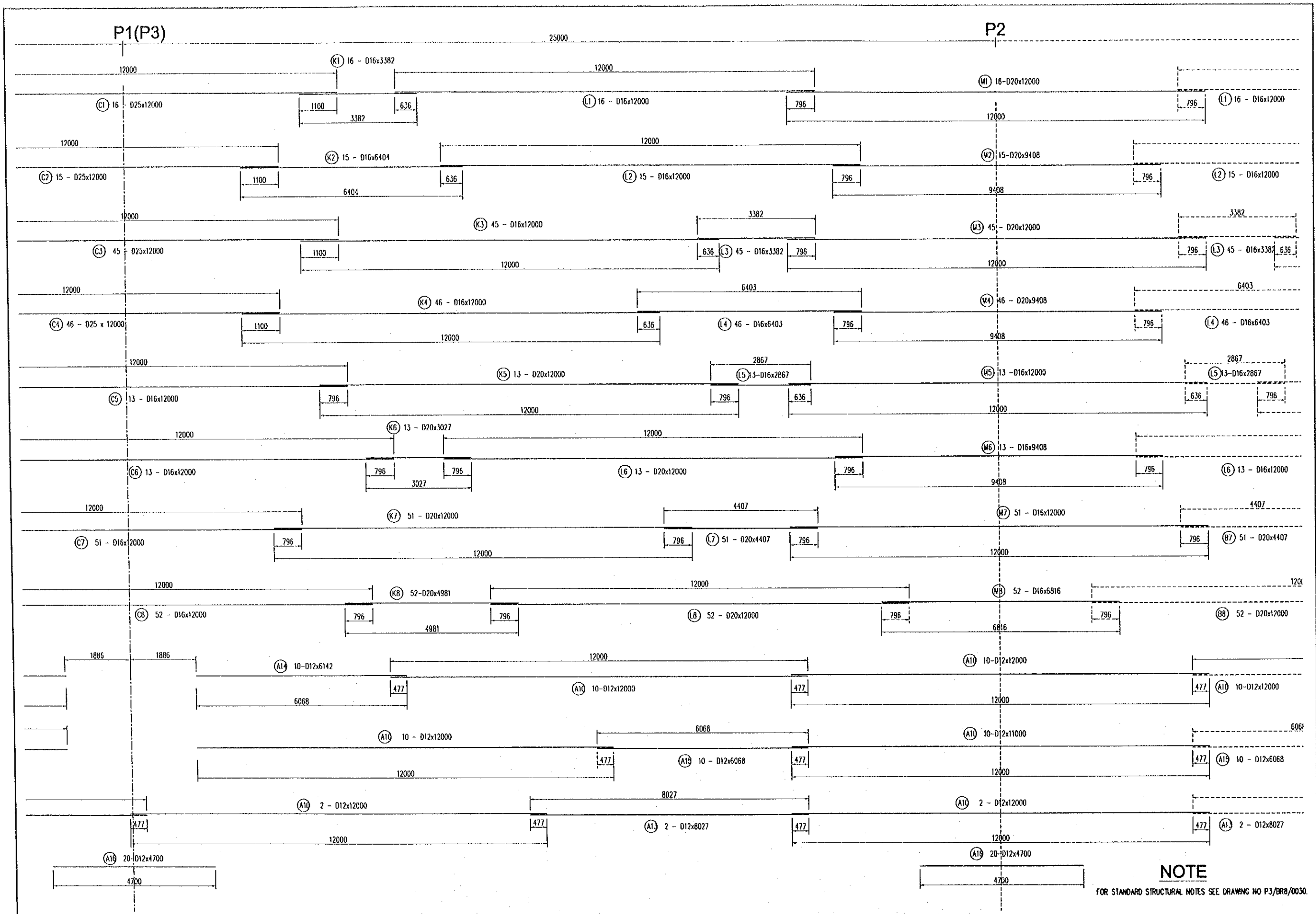
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	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 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 7	P3/BR8/0270

A1(A2)

P1(P3)



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 20/9/2000	K. Matsumoto 29/9/2000	K. Enomoto 5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 8	P3/BR8/0280



**NOTE**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 9	P3/BR8/0290
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		



**LIST OF REINFORCEMENT OF HOLLOW SLAB  
FOR ENTIRE BRIDGE ENTIRE**

No.	REINF No.	DIA. (MM)	LENGTH (MM)	NUMBER	UNIT WEIGHT (KG/M)	SUM. LENGTH (M)	WEIGHT (KG)
1	A1	16	12000	64	1.578	768.00	1,212.16
2	A2	16	7111	60	1.578	426.66	673.41
3	A3	16	8436	180	1.578	1,518.48	2,396.67
4	A4	16	12000	184	1.578	2,208.00	3,484.97
5	A5	12	8903	52	0.888	462.96	411.02
6	A6	12	10199	52	0.888	530.35	470.65
7	A7	16	7822	204	1.578	1,595.69	2,518.53
8	A8	16	9822	208	1.578	2,042.98	3,224.50
9	A9	12	2300	88	0.888	202.40	179.69
10	A10	12	12000	228	0.888	2,736.00	2,429.06
11	A11	16	1000	364	1.578	364.00	574.51
12	A12	12	9141	80	0.888	731.28	649.24
13	A13	12	8027	8	0.888	64.22	57.01
14	A14	12	6142	40	0.888	245.68	218.12
15	A15	12	6068	40	0.888	242.72	215.49
16	A16	12	4700	120	0.888	564.00	500.73
17	B1	16	8836	64	1.578	565.50	892.56
18	B2	16	12000	60	1.578	720.00	1,136.40
19	B3	16	12000	180	1.578	2,160.00	3,409.21
20	B4	16	6711	184	1.578	1,234.82	1,948.97
21	B5	20	12000	52	2.466	624.00	1,538.88
22	B6	20	12000	52	2.466	624.00	1,538.88
23	B7	20	12000	204	2.466	2,448.00	6,037.14
24	B8	20	12000	208	2.466	2,496.00	6,155.51
25	C1	25	12000	64	3.853	768.00	2,959.38
26	C2	25	12000	60	3.853	720.00	2,774.42
27	C3	25	12000	180	3.853	2,160.00	8,323.26
28	C4	25	12000	184	3.853	2,208.00	8,508.22
29	C5	16	12000	52	1.578	624.00	984.88
30	C6	16	12000	52	1.578	624.00	984.88
31	C7	16	12000	204	1.578	2,448.00	3,863.77
32	C8	16	12000	208	1.578	2,496.00	3,939.53
33	K1	16	3382	64	1.578	216.45	341.63
34	K2	16	6404	60	1.578	384.24	606.46
35	K3	16	12000	180	1.578	2,160.00	3,409.21
36	K4	16	12000	184	1.578	2,208.00	3,484.97
37	K5	20	12000	52	2.466	624.00	1,538.88
38	K6	20	3027	52	2.466	157.40	388.18
39	K7	20	12000	204	2.466	2,448.00	6,037.14
40	K8	20	4991	208	2.466	1,036.05	2,555.05
41	L1	16	12000	64	1.578	768.00	1,212.16
42	L2	16	12000	60	1.578	720.00	1,136.40
43	L3	16	3382	180	1.578	608.76	960.83
44	L4	16	6403	184	1.578	1,178.15	1,859.52
45	L5	16	2867	52	1.578	149.08	235.30
46	L6	16	12000	52	1.578	624.00	984.88
47	L7	20	4407	204	2.466	899.03	2,217.14
48	L8	20	12000	208	2.466	2,496.00	6,155.51

No.	REINF No.	DIA. (MM)	LENGTH (MM)	NUMBER	UNIT WEIGHT (KG/M)	SUM. LENGTH (M)	WEIGHT (KG)
49	M1	20	12000	32	2.466	384.00	947.00
50	M2	20	9408	30	2.466	282.24	696.05
51	M3	20	12000	90	2.466	1,080.00	2,663.44
52	M4	20	9408	92	2.466	865.54	2,134.54
53	M5	16	12000	26	1.578	312.00	492.44
54	M6	16	9408	26	1.578	244.61	386.07
55	M7	16	12000	102	1.578	1,224.00	1,931.88
56	M8	16	6816	104	1.578	708.86	1,118.83
57	E1	16	3402	310	1.578	1,054.62	1,664.54
58	E2	16	3720	310	1.578	1,153.20	1,820.14
59	E3	16	3770	310	1.578	1,168.70	1,844.60
60	E4	16	3820	310	1.578	1,184.20	1,869.07
61	E5	16	3870	310	1.578	1,199.70	1,893.53
62	E6	16	3920	310	1.578	1,215.20	1,917.99
63	E7	16	3970	310	1.578	1,230.70	1,942.46
64	E8	16	4020	310	1.578	1,246.20	1,966.92
65	E9	16	4070	310	1.578	1,261.70	1,991.39
66	E10	16	4120	310	1.578	1,277.20	2,015.85
67	E11	16	3891	310	1.578	1,206.21	1,903.80
68	F1	12	2971	720	0.888	2,139.12	1,899.14
69	F2	12	3021	720	0.888	2,175.12	1,931.10
70	F3	12	3071	720	0.888	2,211.12	1,963.06
71	F4	12	3121	720	0.888	2,247.12	1,995.02
72	F5	12	3171	720	0.888	2,283.12	2,026.99
73	F6	12	3221	720	0.888	2,319.12	2,058.95
74	F7	12	3271	720	0.888	2,355.12	2,090.91
75	F8	12	3321	720	0.888	2,391.12	2,122.87
76	F9	12	3371	720	0.888	2,427.12	2,154.83
77	F10	12	3421	720	0.888	2,463.12	2,186.79
78	F11	12	3471	720	0.888	2,499.12	2,218.75
79	G1	16	3002	20	1.578	60.04	94.76
80	G2	16	3320	20	1.578	66.40	104.60
81	G3	16	3370	20	1.578	67.40	106.38
82	G4	16	3420	20	1.578	68.40	107.96
83	G5	16	3470	20	1.578	69.40	109.54
84	G6	16	3520	20	1.578	70.40	111.11
85	G7	16	3572	20	1.578	71.44	112.76
86	G8	16	3620	20	1.578	72.40	114.27
87	G9	16	3670	20	1.578	73.40	115.85
88	G10	16	3720	20	1.578	74.40	117.43
89	G11	16	3469	20	1.578	69.38	109.50
90	H1	16	3111	88	1.578	273.77	432.10
91	H2	16	3161	88	1.578	278.17	439.04
92	H3	16	3211	88	1.578	282.57	445.99
93	H4	16	3261	88	1.578	286.97	452.93
94	H5	16	3311	88	1.578	291.37	459.88
95	H6	16	3361	88	1.578	295.77	466.82
96	H7	16	3411	88	1.578	300.17	473.77
97	H8	16	3461	88	1.578	304.57	480.71
98	H9	16	3511	88	1.578	308.97	487.66

No.	REINF No.	DIA. (MM)	LENGTH (MM)	NUMBER	UNIT WEIGHT (KG/M)	SUM. LENGTH (M)	WEIGHT (KG)
99	H10	16	3561	88	1.578	313.37	494.60
100	H11	16	3611	88	1.578	317.77	501.54
101	T1	12	12000	1590	0.888	19,080.00	16,939.49
102	T1a	16	5471	1590	1.578	8,698.89	13,729.77
103	T1b	16	4410	1590	1.578	7,011.90	11,067.14
104	T2	20	12000	20	2.466	240.00	591.88
105	T'2	20	3939	20	2.466	78.78	194.28
106	T3	16	12000	150	1.578	1,800.00	2,841.01
107	T'3	16	6613	150	1.578	991.95	1,565.63
108	T4	12	12000	728	0.888	8,736.00	7,755.94
109	T'4	12	6054	728	0.888	4,407.31	3,912.67
110	T5	16	1305	880	1.578	1,148.40	1,812.56
111	T'5	16	1432	880	1.578	1,260.16	1,988.96
112	T6	16	1742	880	1.578	1,532.96	2,419.53
113	T'6	16	2019	880	1.578	1,776.72	2,804.26
114	T7	16	4037	12	1.578	48.44	76.46
115	T'7	16	1279	12	1.578	15.35	24.22
					25	22,565.27	(Kg)
					20	41,389.49	(Kg)
					16	114,904.76	(Kg)
					12	56,387.94	(Kg)
STEEL					TOTAL	235,247	(t)
CONCRECT						2699.6	(m <sup>3</sup> )

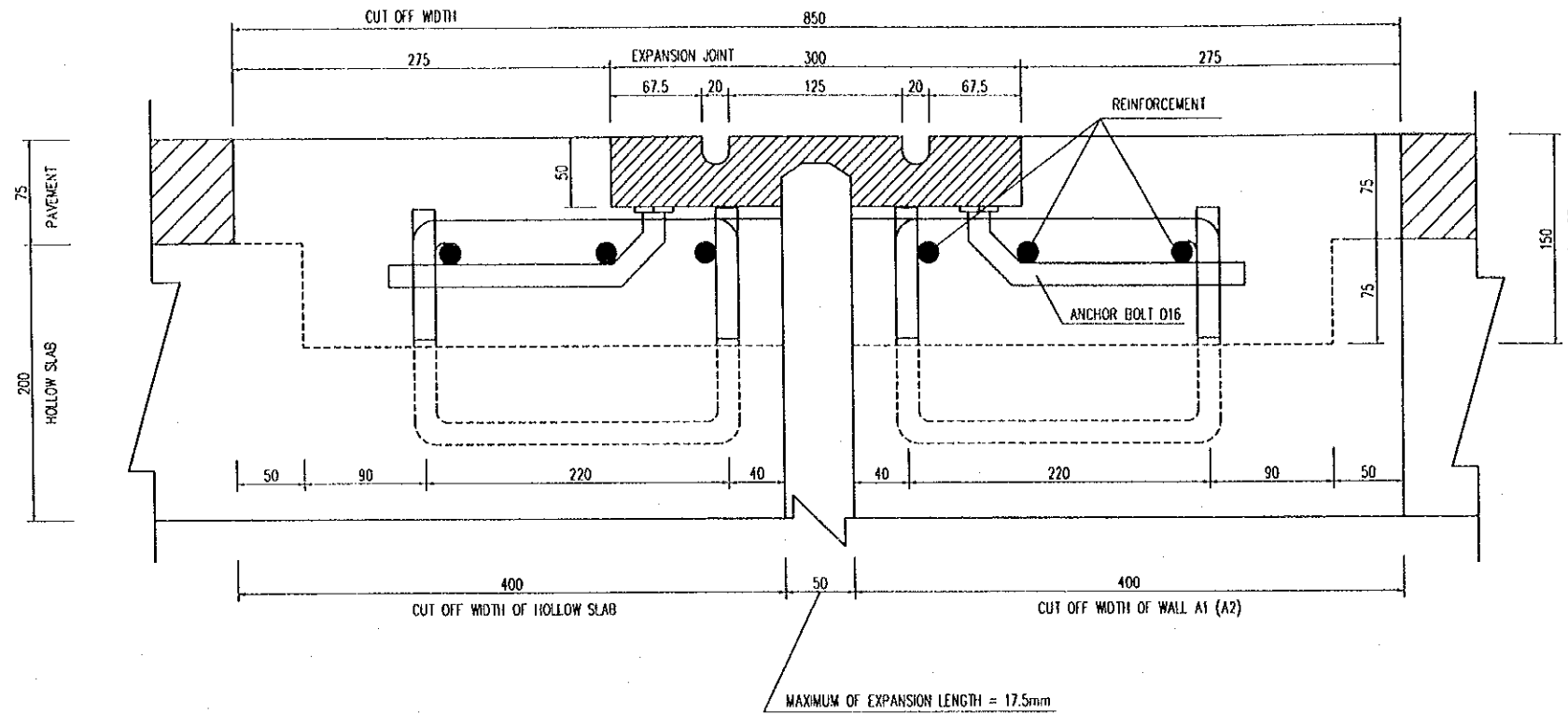
**NOTE**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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: <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 3 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 11	P3/BR8/0310

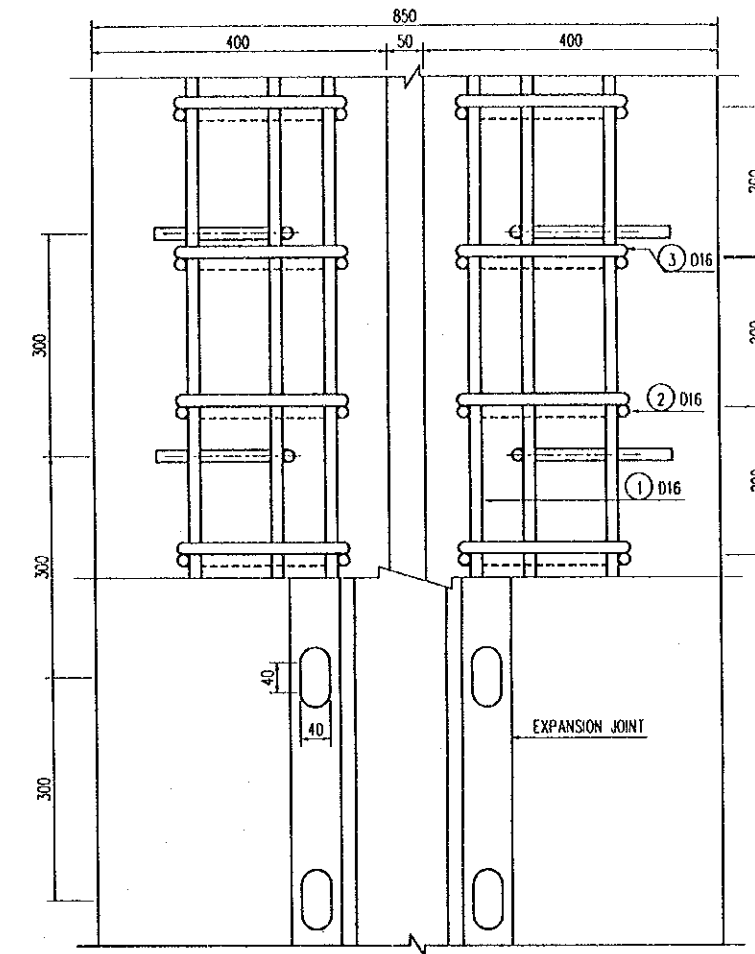
### VERTICAL SECTION OF EXPANSION JOINT

(SCALE 1:5)



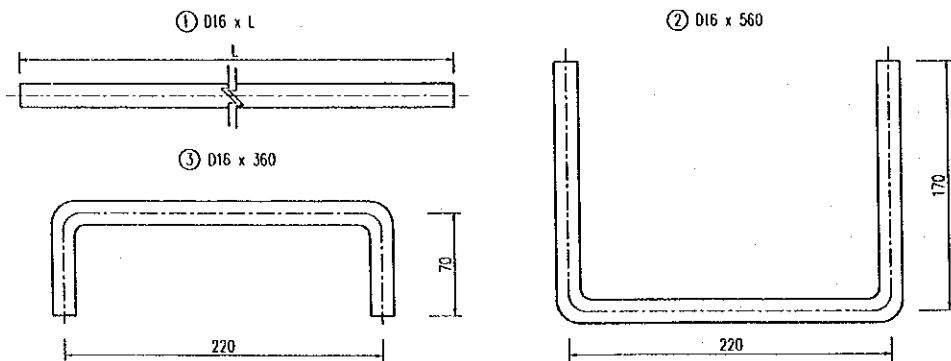
### PLAN EXPANSION JOINT

(SCALE 1:10)



### QUANTITY (Per m)

	KIND OR SIZE	QUANTITY	REMARKS
EXPANSION JOINT	NEOPRENE RUBBER	1m	JS-K-6301
ANCHOR BOLT	D16 L=272 mm	12/1.8m	Ø300
NUT	NEOPRENE RUBBER		
WASHER	NEOPRENE RUBBER		
REINFORCEMENT	① 6 - D16	9.47 kg	L=15.15m
	② 10 - D16	8.83 kg	Ø200
	③ 10 - D16	5.68 kg	Ø200
CUT OFF	PAVEMENT	0.060 m <sup>3</sup>	
	HOLLOW SLAB	0.026 m <sup>3</sup>	
	WALL OF ABUTMENT	0.026 m <sup>3</sup>	
CONCRETE	B - 1	0.100 m <sup>3</sup>	CAST IN PLACE



### EXPANSION JOINT AT ABUTMENT

ABUTMENT	A1	A2	TOTAL
LENGTH (m)	31.0	31.0	62.0

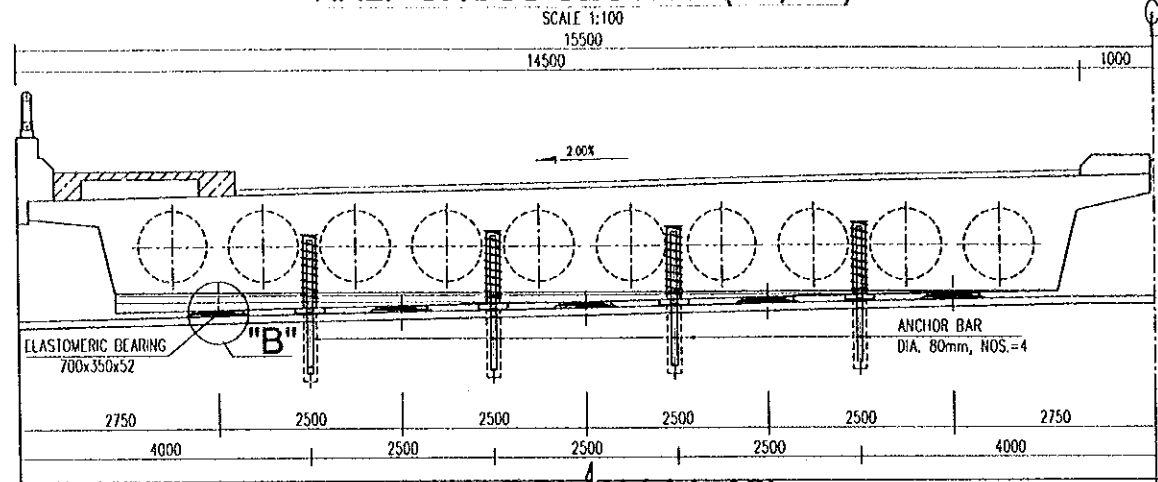
### NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

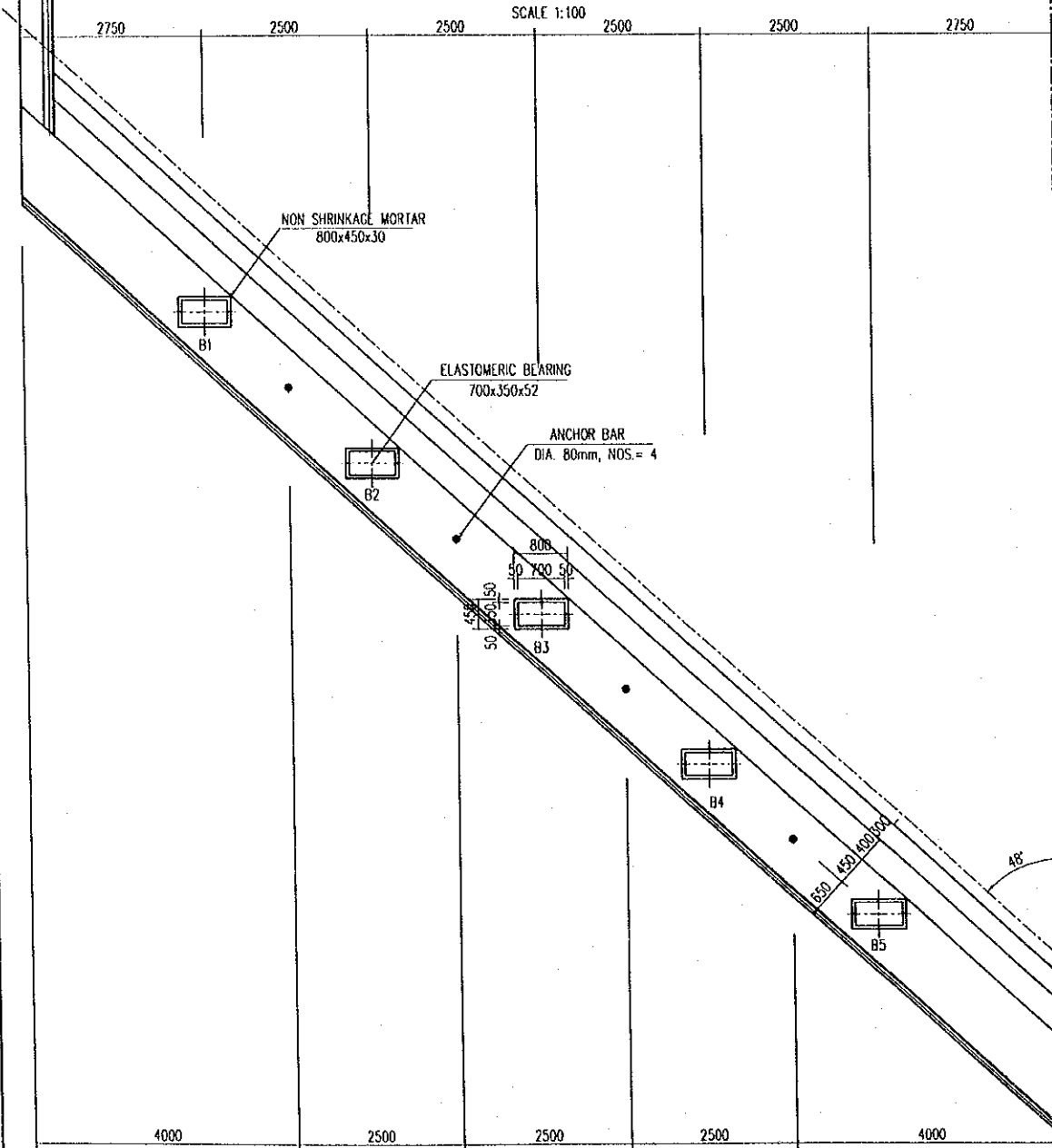
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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 3 FLYOVER BRIDGE SUPERSTRUCTURE EXPANSION JOINT DETAILS AT ABUTMENT A1 & A2	P3/BR8/0320



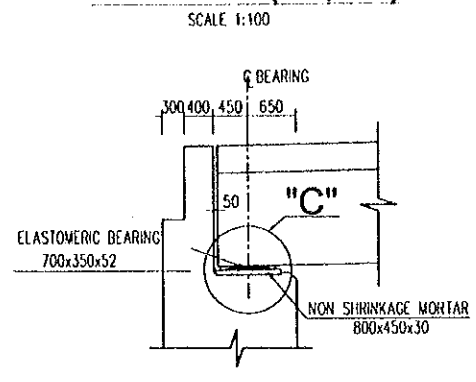
### HALF CROSS SECTION (A1, A2)



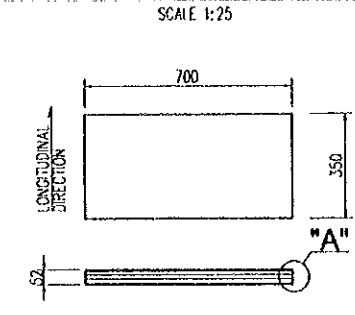
### HALF PLAN (A1, A2)



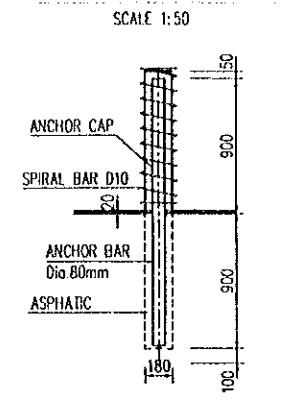
### PROFILE (A1, A2)



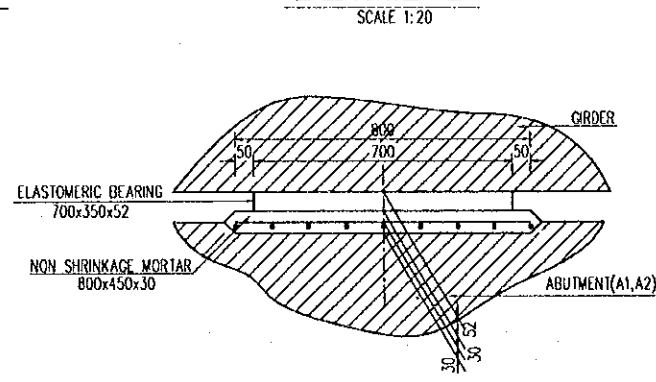
### ELASTOMERIC BEARING



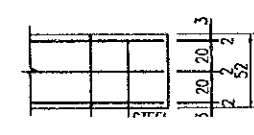
### ANCHOR BAR



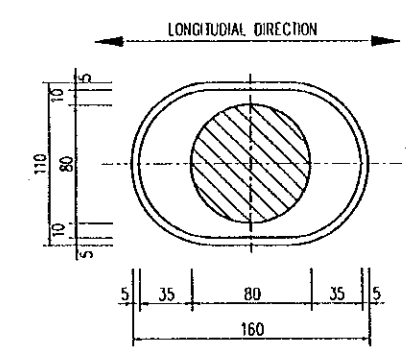
### DETAIL "B"



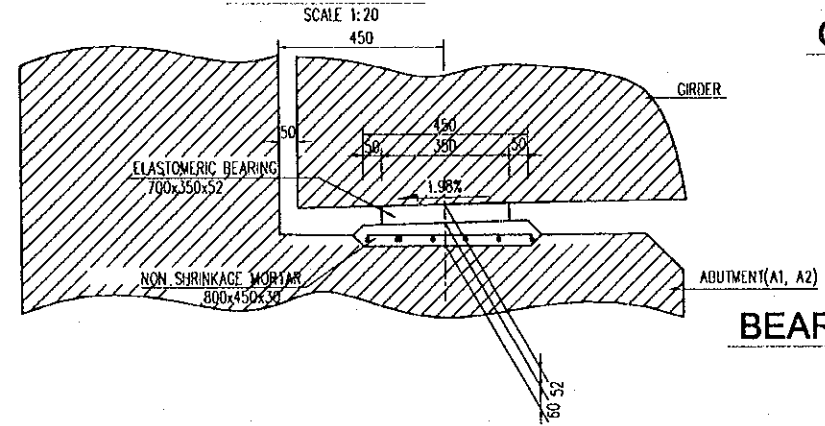
### DETAIL "A"



### ANCHOR CAP



### DETAIL "C"



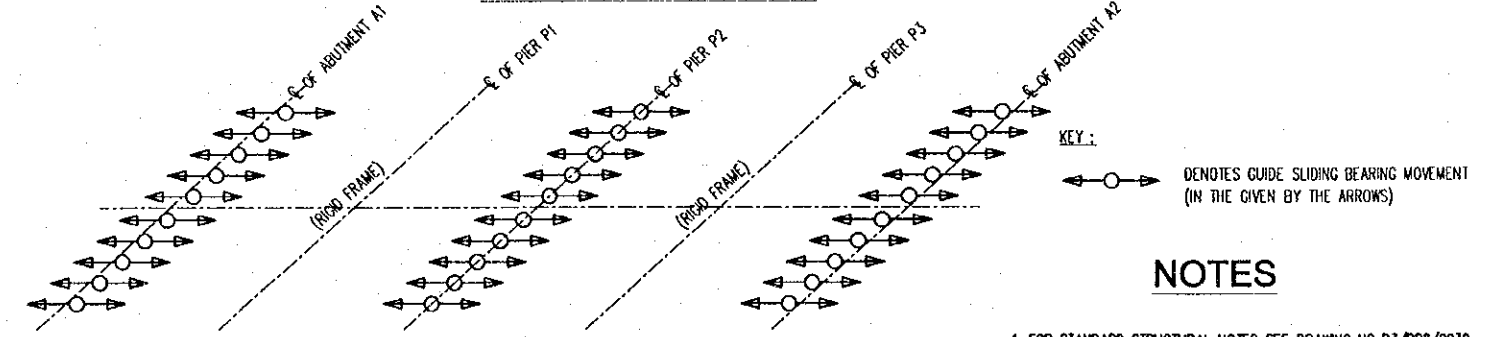
### QUANTITY TABLE (FOR 1 ABUTMENT)

ITEMS	UNIT	QUANTITY
BEARING (700x350x52)mm	SET	10
ANCHOR BAR #80mm	SET	8

### BEARING PERFORMANCE REQUIREMENTS

LOCATION	SERVICEABILITY		LONGITUDINAL HORIZONTAL LOAD (kN)
	VERTICAL LOAD (kN)		
	MAXIMUM	MINIMUM	
ABUTMENT(A1, A2)	1609	613	108

### BEARING LAYOUT

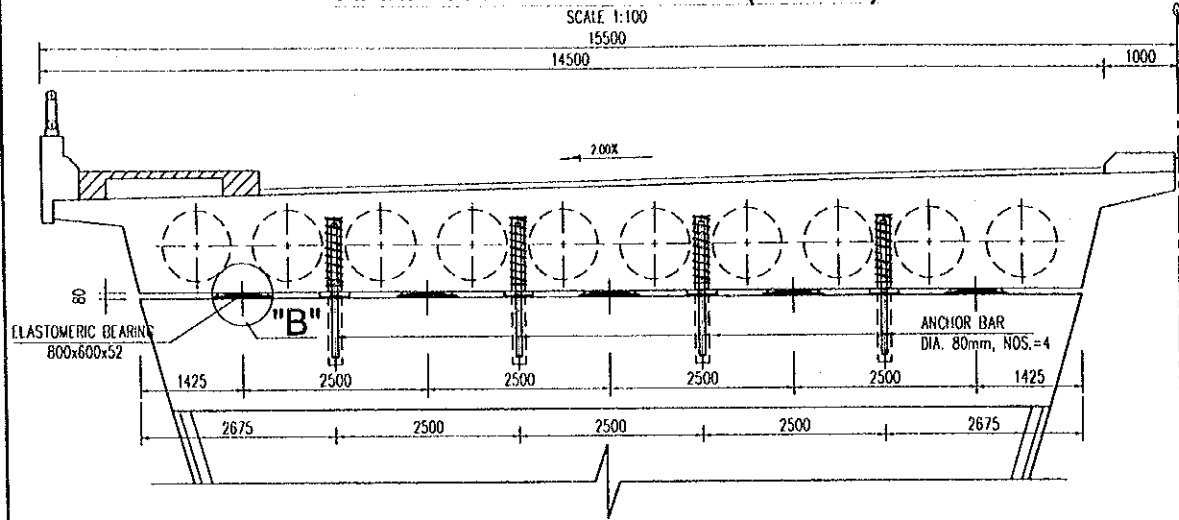


### NOTES

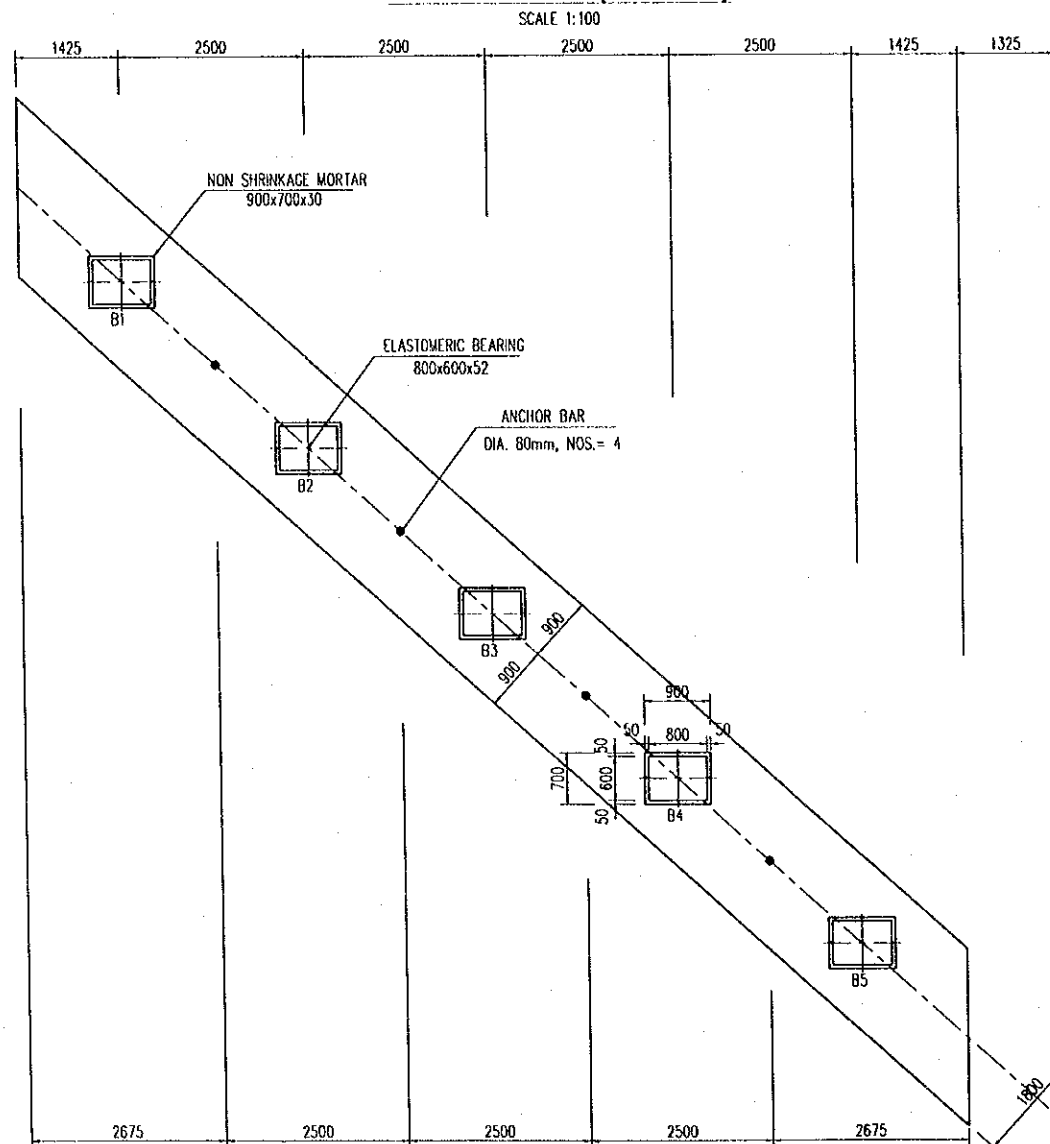
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/DR8/0030.

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 KOBI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 3 FLYOVER BRIDGE SUPERSTRUCTURE BEARING DETAILS AT ABUTMENT A1 & A2	P3/BR8/0330
				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		

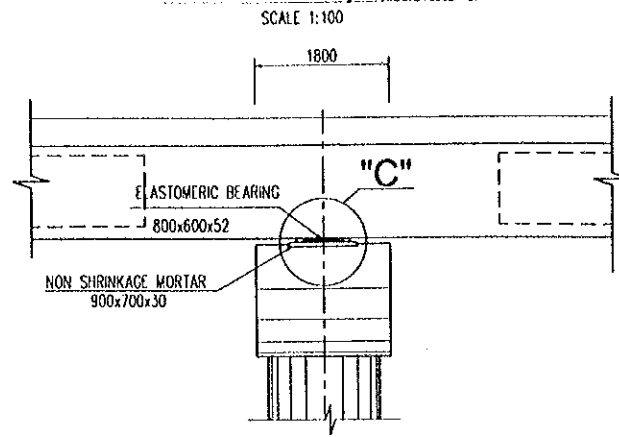
### HALF CROSS SECTION (PIER 2)



### HALF PLAN (PIER 2)

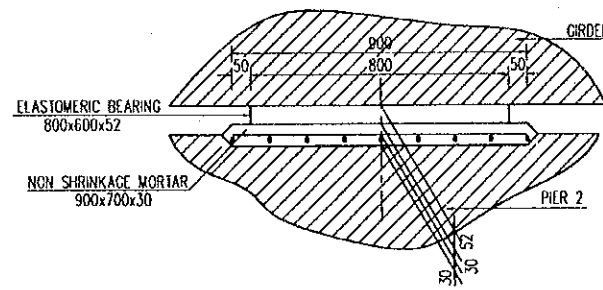


### PROFILE (PIER 2)



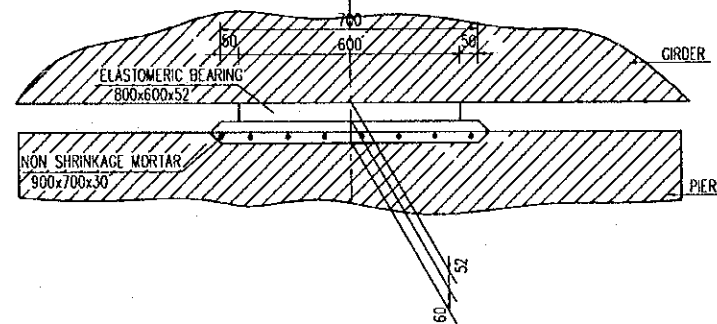
### DETAIL "B"

SCALE 1:20



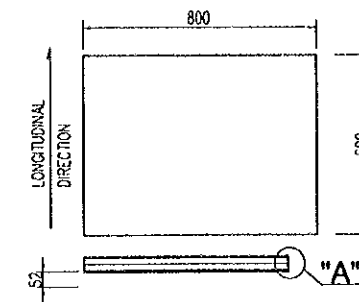
### DETAIL "C"

SCALE 1:20



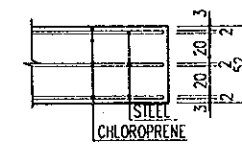
### ELASTOMERIC BEARING

SCALE 1:25



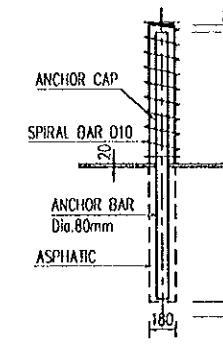
### DETAIL "A"

SCALE 1:5



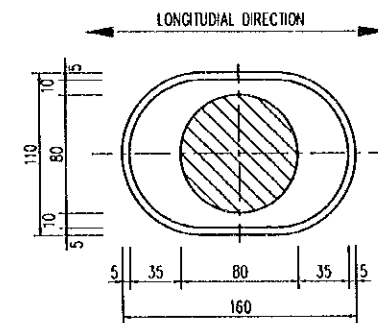
### ANCHOR BAR

SCALE 1:50



### ANCHOR CAP

SCALE 1:5



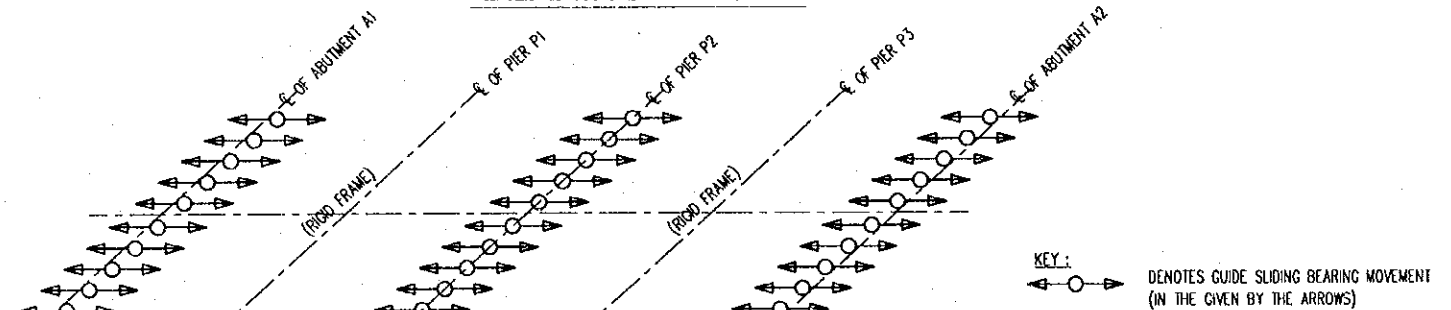
### QUANTITY TABLE (FOR PIER P2 ONLY)

ITEMS	UNIT	QUANTITY
BEARING (800x600x52)mm	SET	10
ANCHOR BAR #80mm	SET	8

### BEARING PERFORMANCE REQUIREMENTS

LOCATION	SERVICEABILITY		LONGITUDINAL HORIZONTAL LOAD (kN)
	MAXIMUM	MINIMUM	
PIER P2	3400	1364	240

### BEARING LAYOUT



### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE SUPERSTRUCTURE BEARING DETAILS AT PIER P2	P3/BR8/0340
				NAMR				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

## QUANTITY TABLE OF SUPERSTRUCTURE

ITEMS	UNIT	QUANTITY	
<b>A- HOLLOW SLAB</b>			
CONCRETE CLASS C	m <sup>3</sup>	2697	
ASPHALT CONCRETE 70mm	m <sup>2</sup>	2302	
WATER PROOFING 5mm	m <sup>2</sup>	2302	
CABLES 12S12.7	m	6608	
CABLE ANCHORAGES 12S12.7	set	132	
SHEATHING OF CABLES 12S12.7 # 65/72mm	m	6608	
CEMENT GROUT IN SHEATHING	m <sup>3</sup>	12	
REINFORCEMENT	D25	kg	22565
	D20	kg	41390
	D16	kg	114905
	D12	kg	56388
	TOTAL	kg	235248
B- EXPANSION JOINT #8MM		m	62
C- BEARING	(800x600x52)mm	set	10
	(700x350x52)mm	set	20
D- ANCHORAGE BAR #80mm		set	24

### NOTES

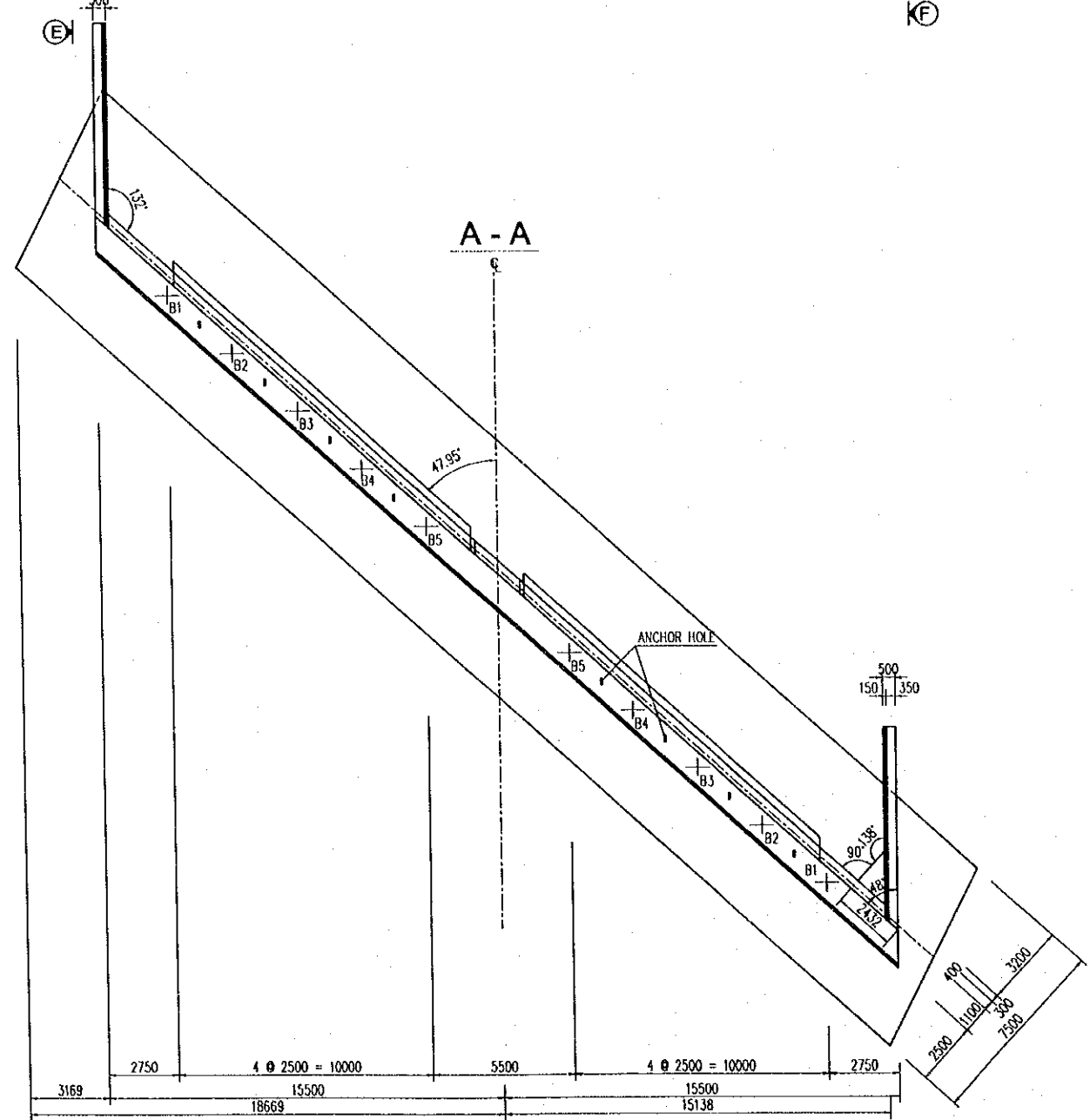
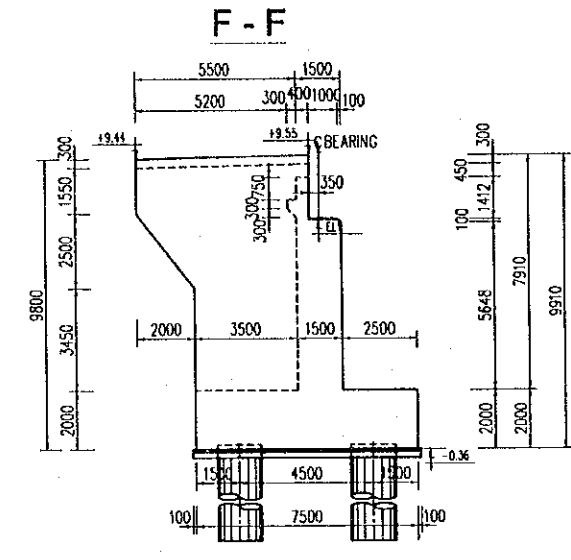
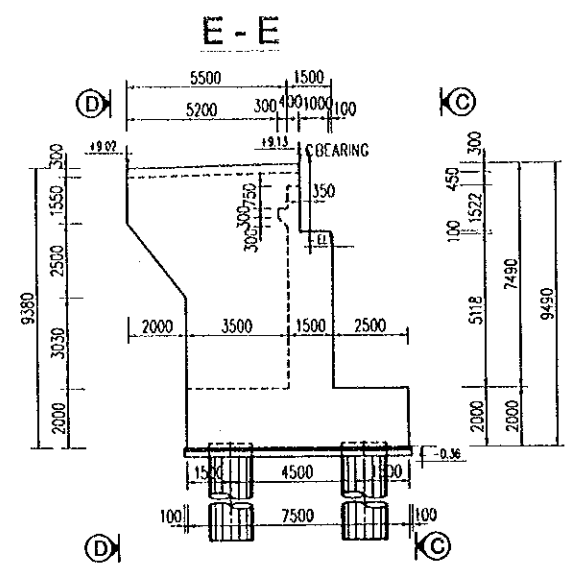
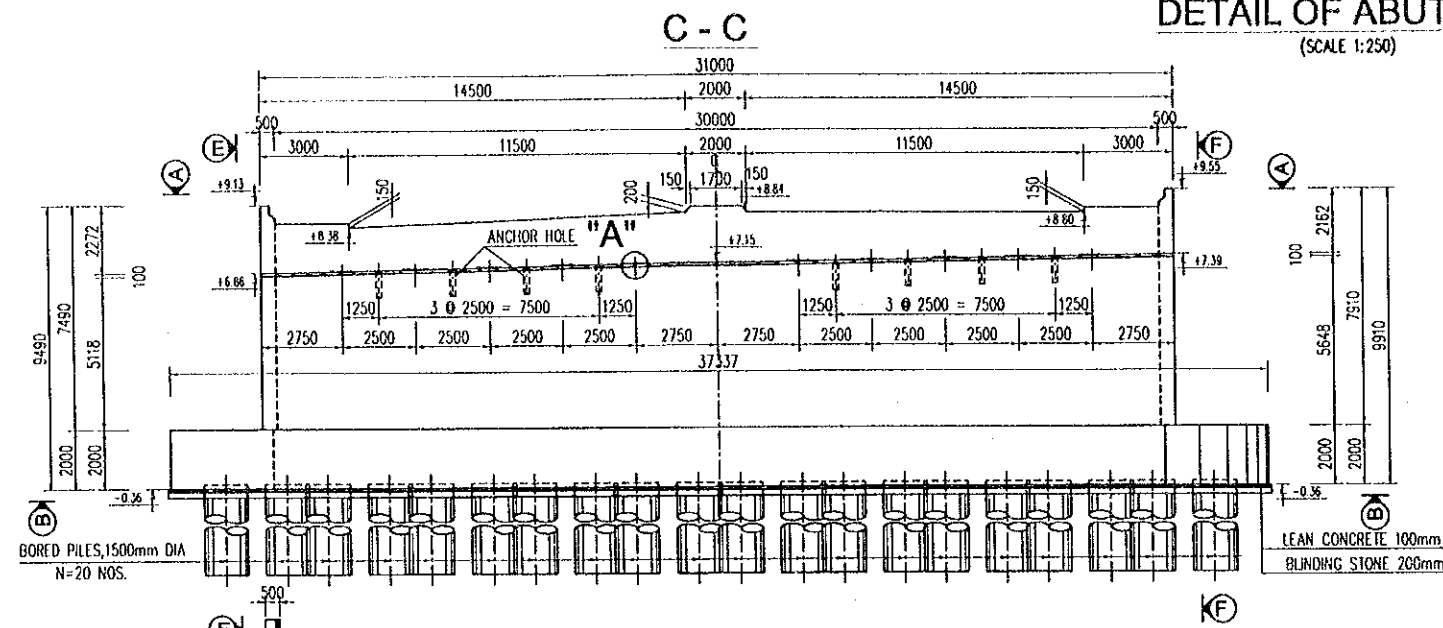
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.
2. QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

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 SIGNATURE: DATE: 20/9/2000	K. Matsumoto  29/9/2000	K. Enomoto  5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE SUPERSTRUCTURE QUANTITY TABLE OF SUPERSTRUCTURE	P3/BR8/0350

### **III. ABUTMENTS**

# DETAIL OF ABUTMENT

(SCALE 1:250)



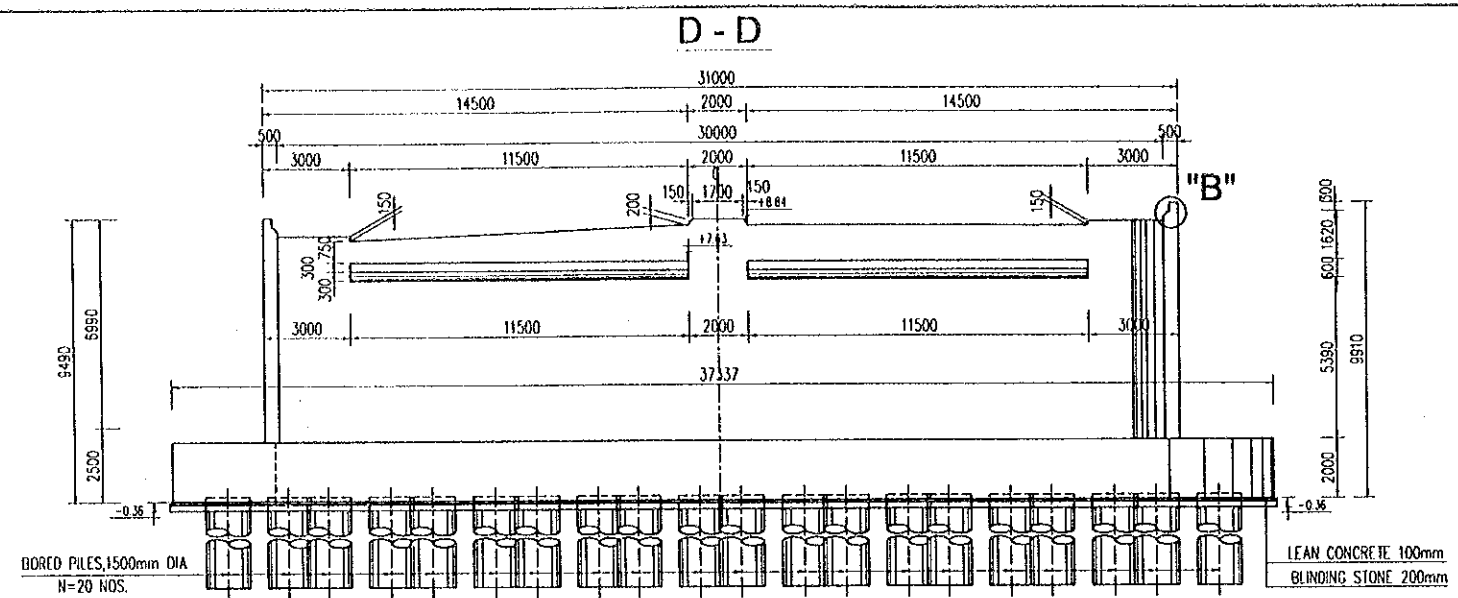
## HOLLOW SLAB BEARING SEAT ELEVATION OF EL1

ABUTMENT TYPE \ CROUT PAD	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
A1	+6.91	+6.96	+7.01	+7.06	+7.11	+7.18	+7.22	+7.26	+7.30	+7.34
A2	+6.91	+6.96	+7.01	+7.06	+7.11	+7.18	+7.22	+7.26	+7.30	+7.34

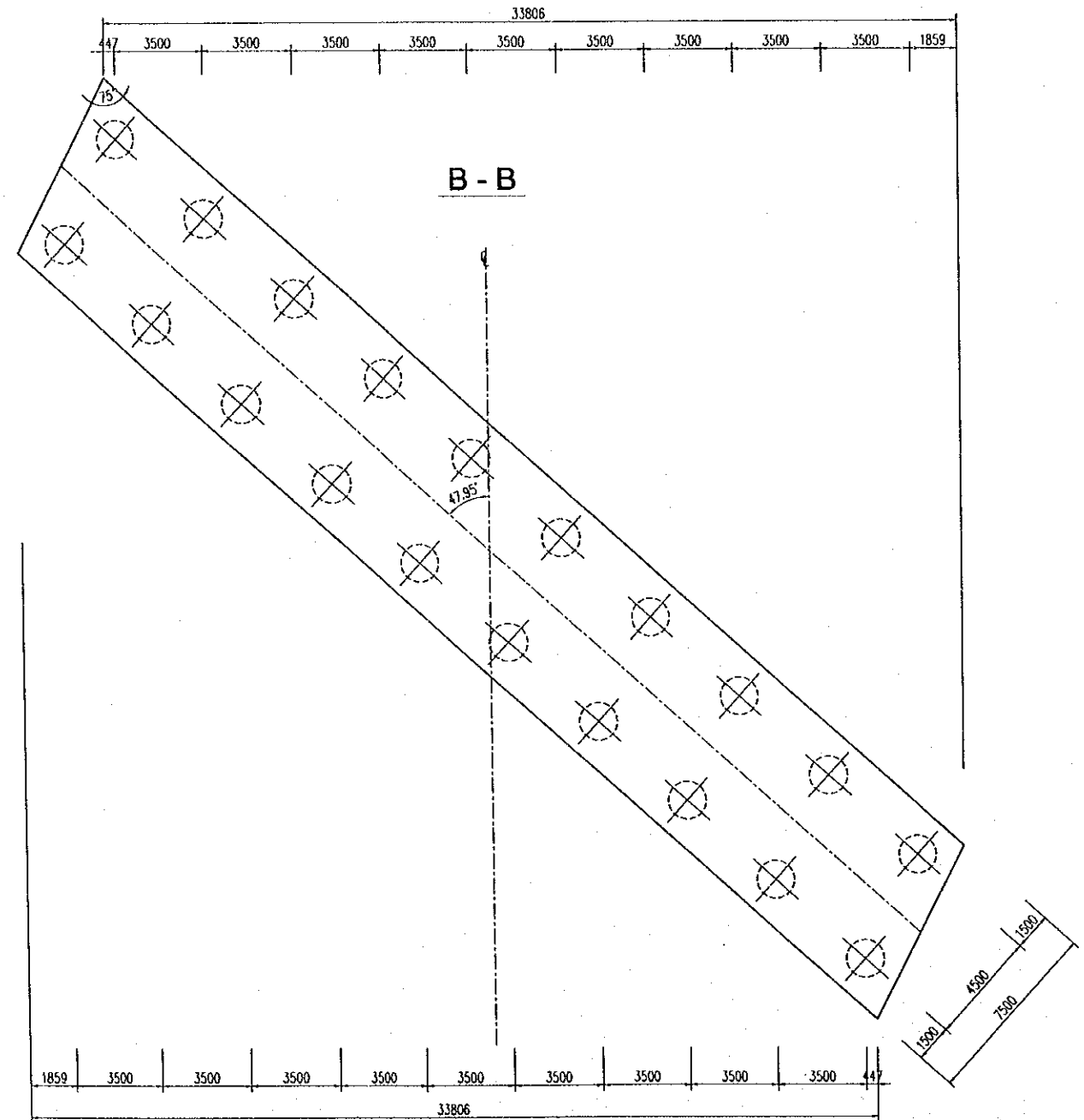
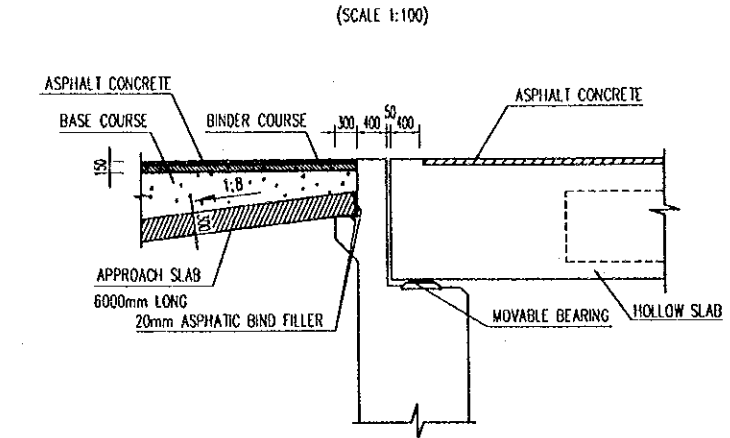
## NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

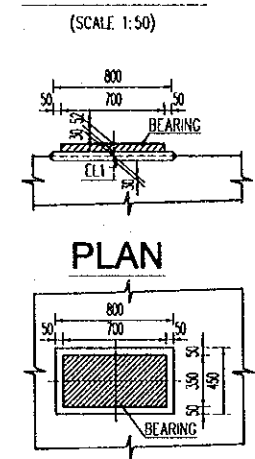
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOBI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 3 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1 & A2 - GENERAL VIEW-SHEET1	P3/BR8/0360
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		



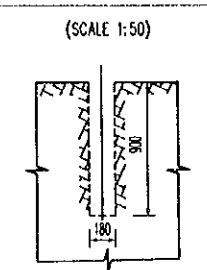
**DETAIL OF BACK WALL**



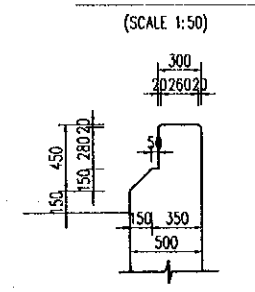
**DETAIL "A"**



**DETAIL OF ANCHOR HOLE**



**DETAIL "B"**



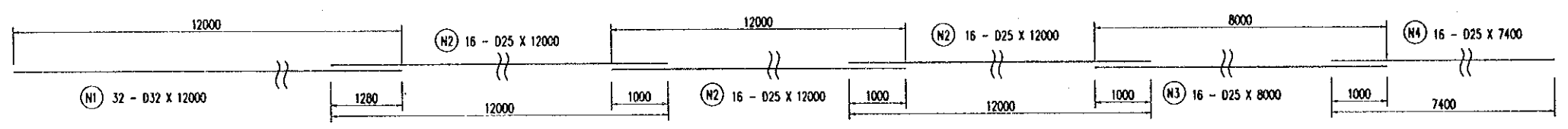
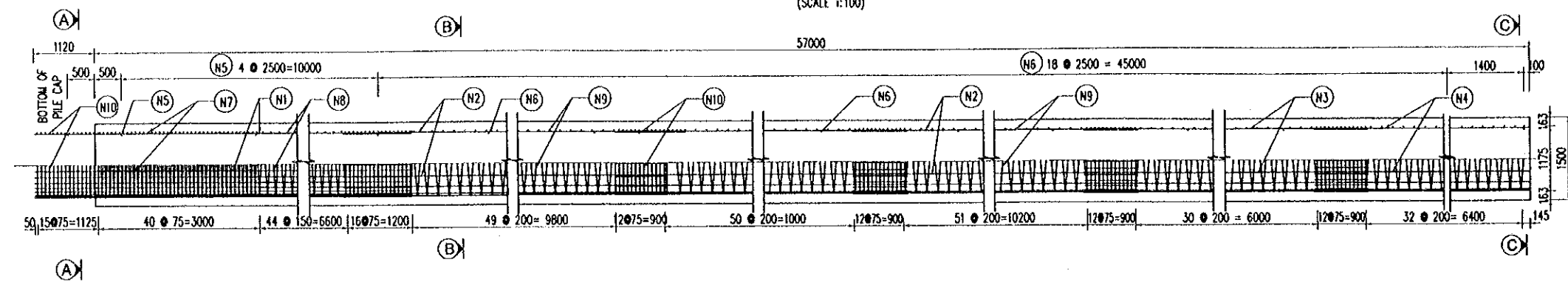
**NOTES**

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1 & A2 - GENERAL VIEW-SHEET2	P3/BR8/0361
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

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

(SCALE 1:100)



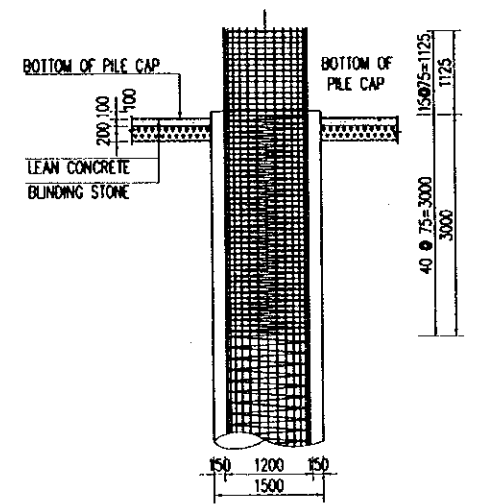
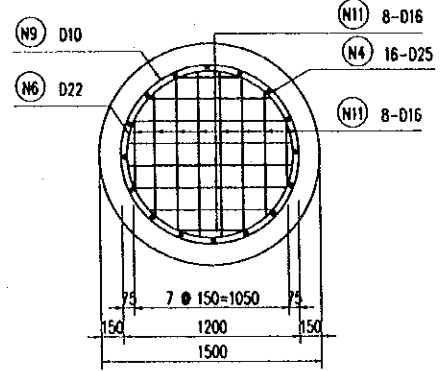
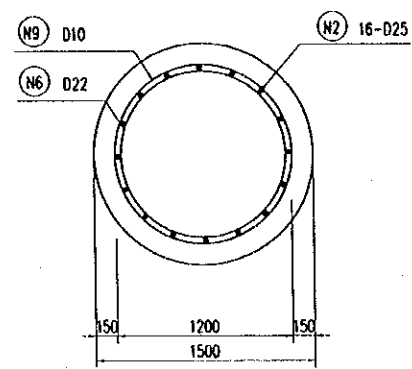
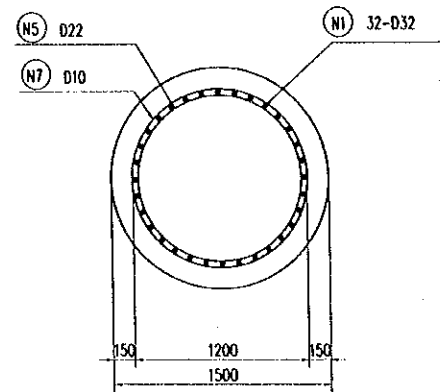
**SECTION A-A**  
(SCALE 1:50)

**SECTION B-B**  
(SCALE 1:50)

**SECTION C-C**  
(SCALE 1:50)

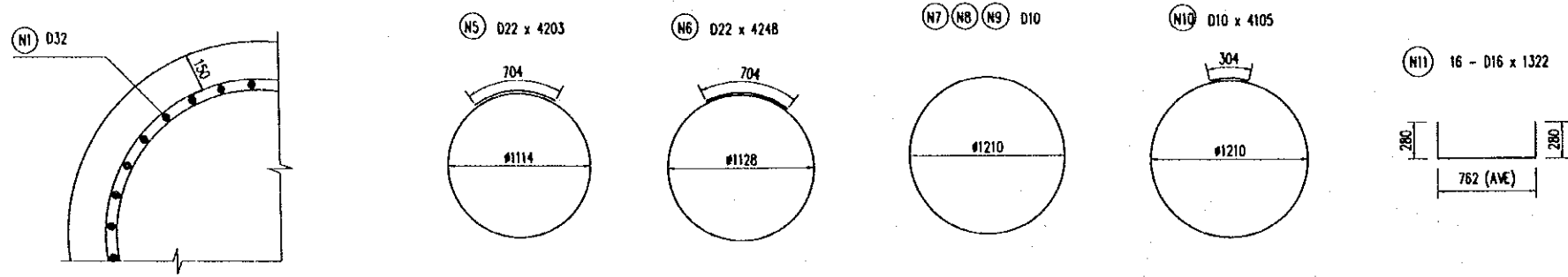
**DETAIL OF CONCRETE PILE HEAD**  
(SCALE 1:100)

**MATERIAL OF PILE**



TYPE	D(mm)	LENGTH OF BAR (mm)	UNIT WEIGHT (kg/m)	NUMBER	WEIGHT (kg)	CONCRETE VOLUME (m <sup>3</sup> )
N1	D32	12000	6.313	32	2424.2	100.73
N2	D25	12000	3.853	48	2219.3	
N3	D25	8000	3.853	16	493.2	
N4	D25	7400	3.853	16	456.2	
N5	D22	4203	2.984	6	75.3	
N6	D22	4248	2.984	19	240.8	
N7	D10	152053	0.617	1	93.8	
N8	D10	167258	0.617	1	103.2	
N9	D10	809683	0.617	1	499.6	
N10	D10	4105	0.617	85	215.3	
N11	D16	1322	1.578	16	33.4	
					D10	911.9 kg
					D16	33.4 kg
					D22	316.1 kg
					D25	3168.7 kg
					D32	2424.2 kg
					<b>TOTAL</b>	<b>6854.3kg</b>

**DETAIL OF RECOVERING**  
(SCALE 1:25)



**NOTES**

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE ABUTMENTS A1&A2 ABUTMENT A1 & A2 BORED PILE DETAILS - L- 57M	P3/BR8/0370





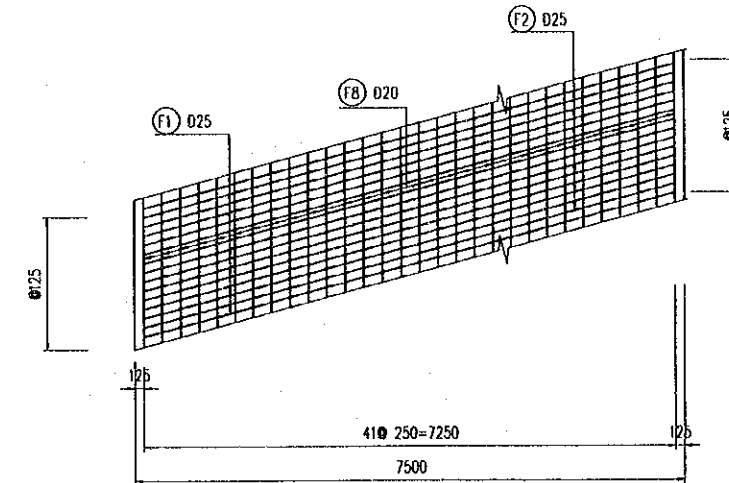
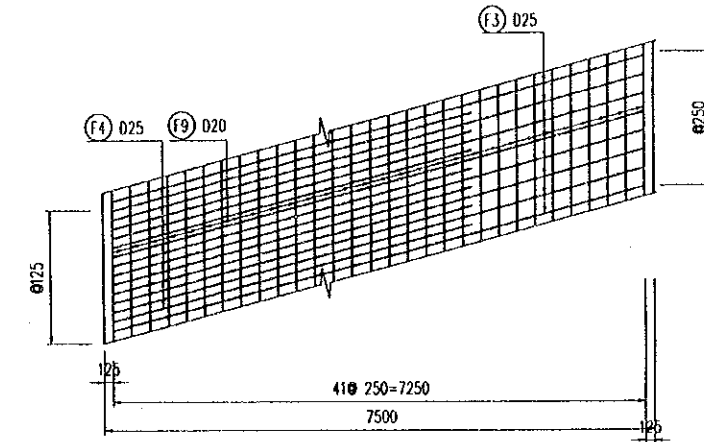
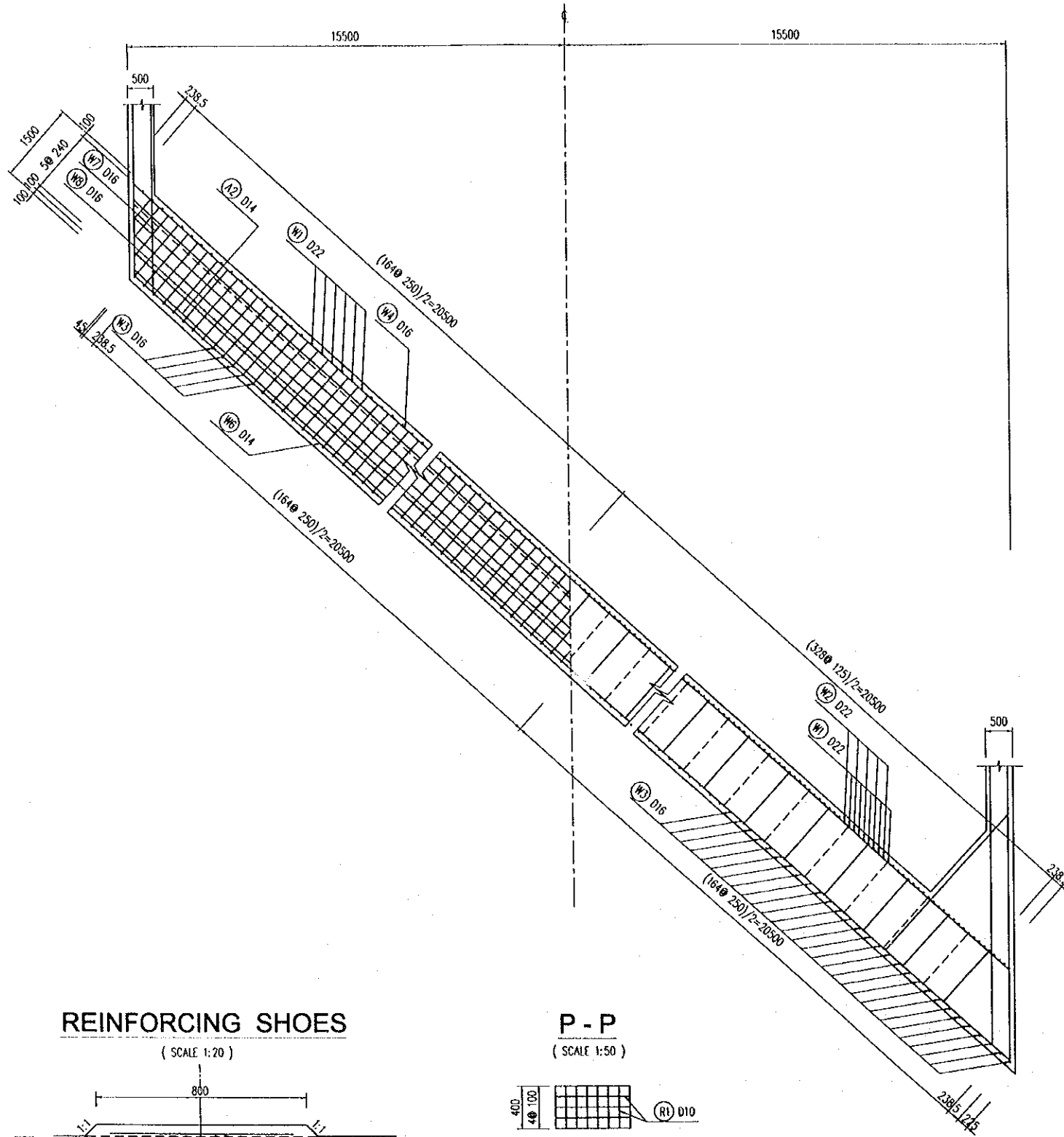


**HAFL SECTION D - D**  
SCALE 1:100

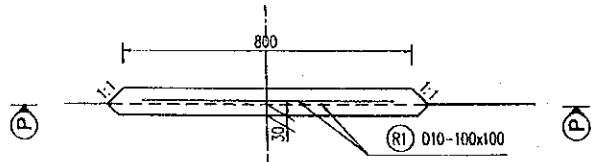
**SECTION E - E**  
SCALE 1:100

**SECTION F - F**  
SCALE 1:100

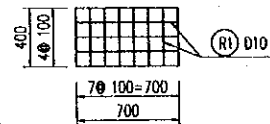
**SECTION G - G**  
SCALE 1:100



**REINFORCING SHOES**  
(SCALE 1:20)



**P - P**  
(SCALE 1:50)



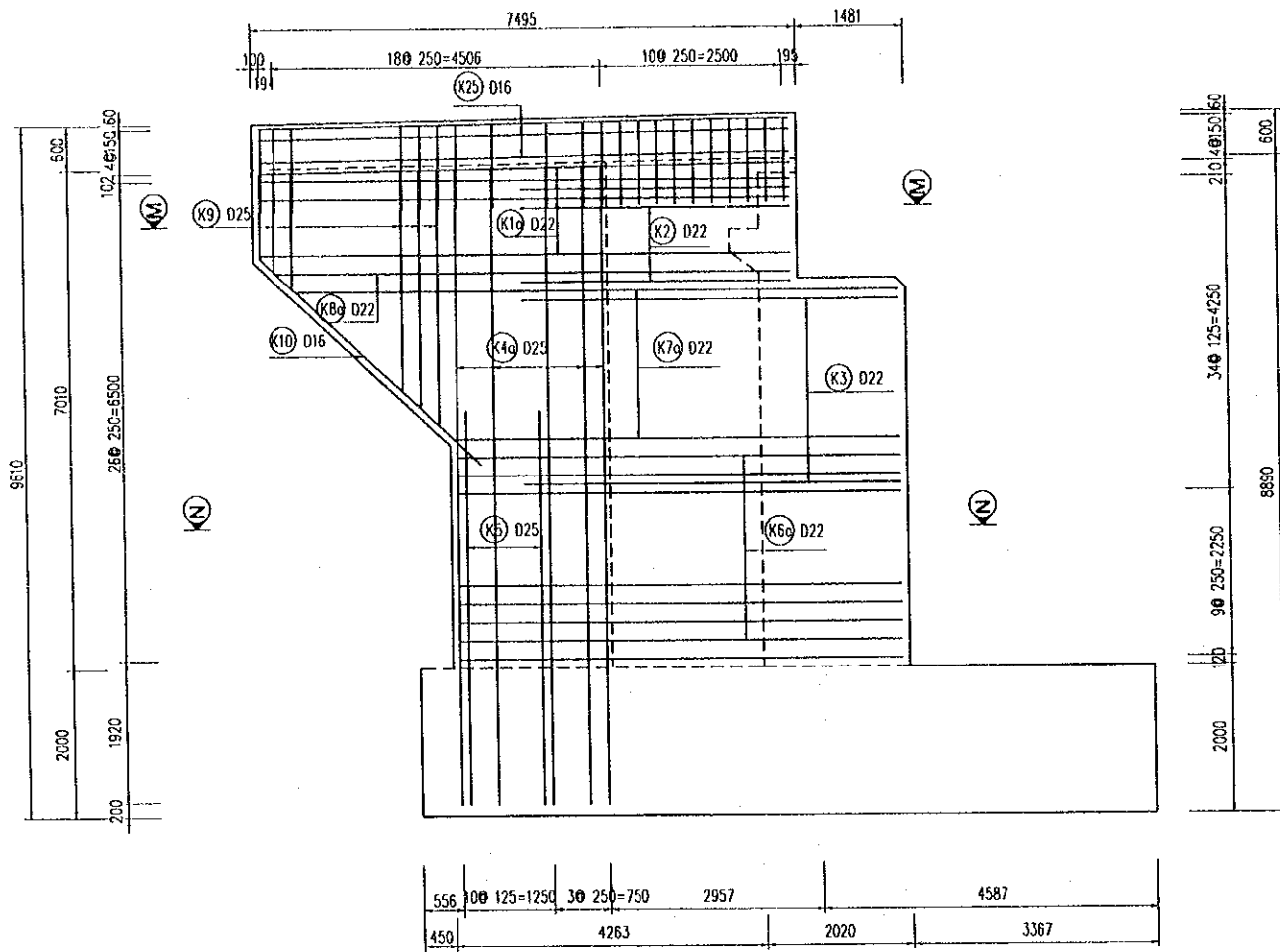
**NOTES :**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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	K. Matsumoto <i>K. Matsumoto</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1 & A2 - REINFORCEMENT - SHEET 3	P3/BR8/0400

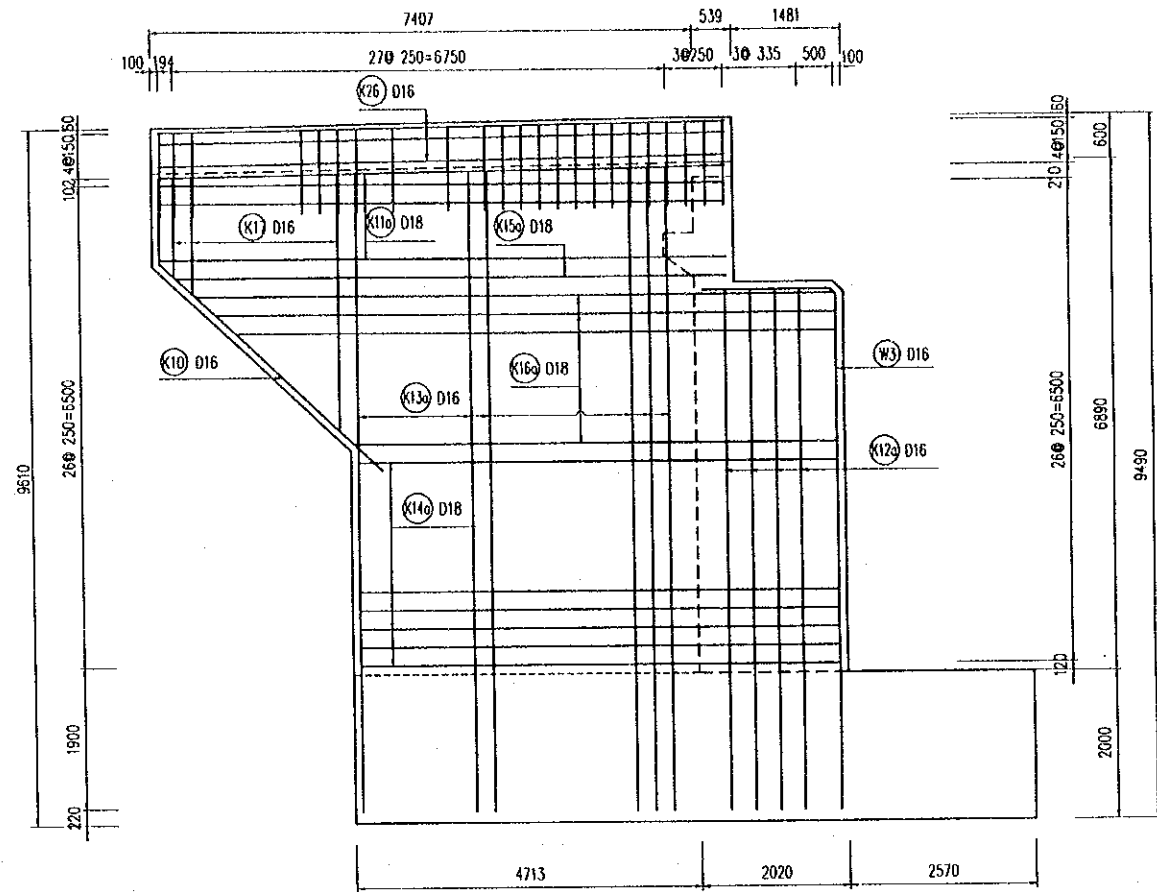
### SECTION I - I

SCALE 1:100



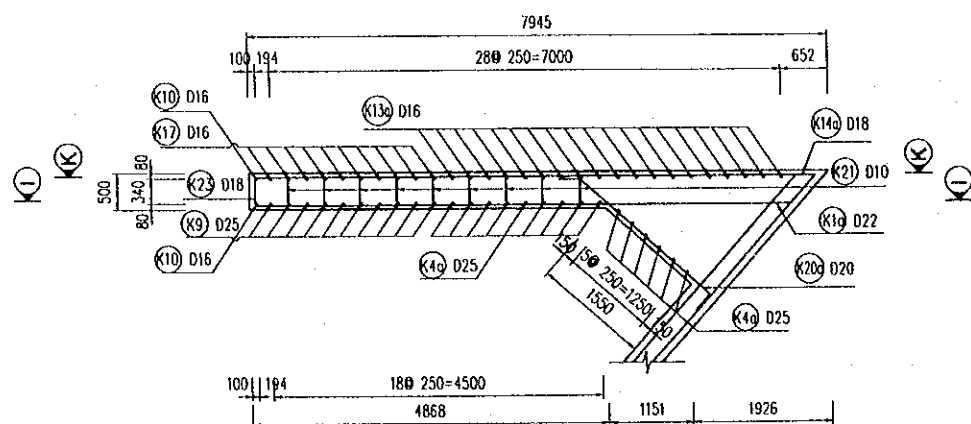
### SECTION K - K

SCALE 1:100



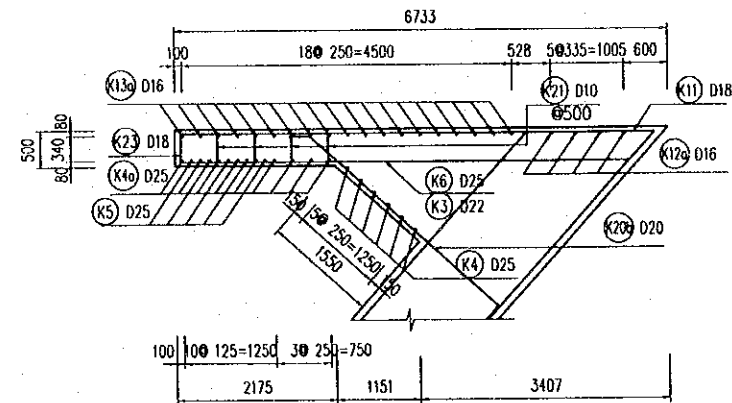
### SECTION M - M

SCALE 1:100



### SECTION N - N

SCALE 1:100



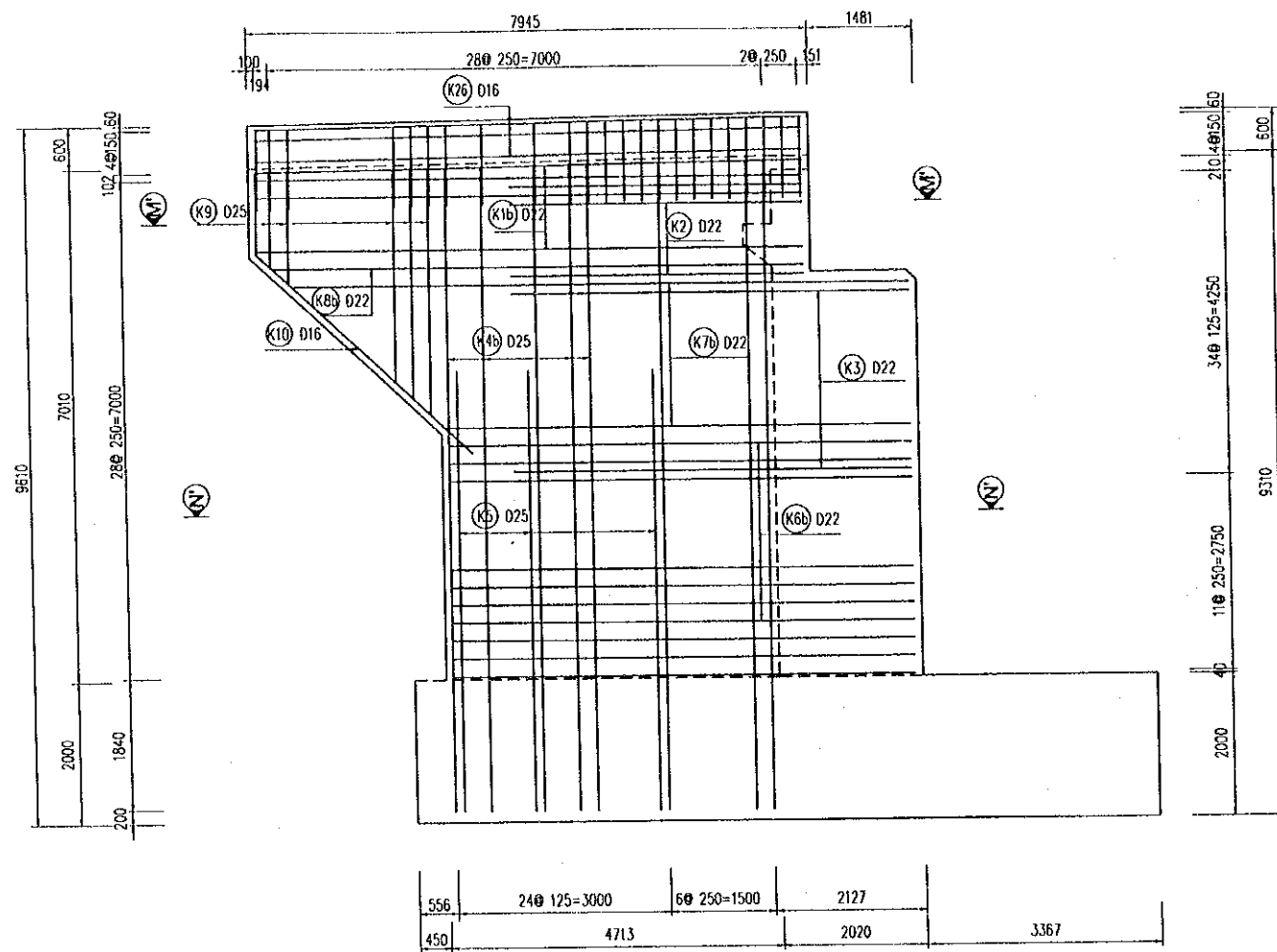
### NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1 & A2 - REINFORCEMENT - SHEET 4	P3/BR8/0410

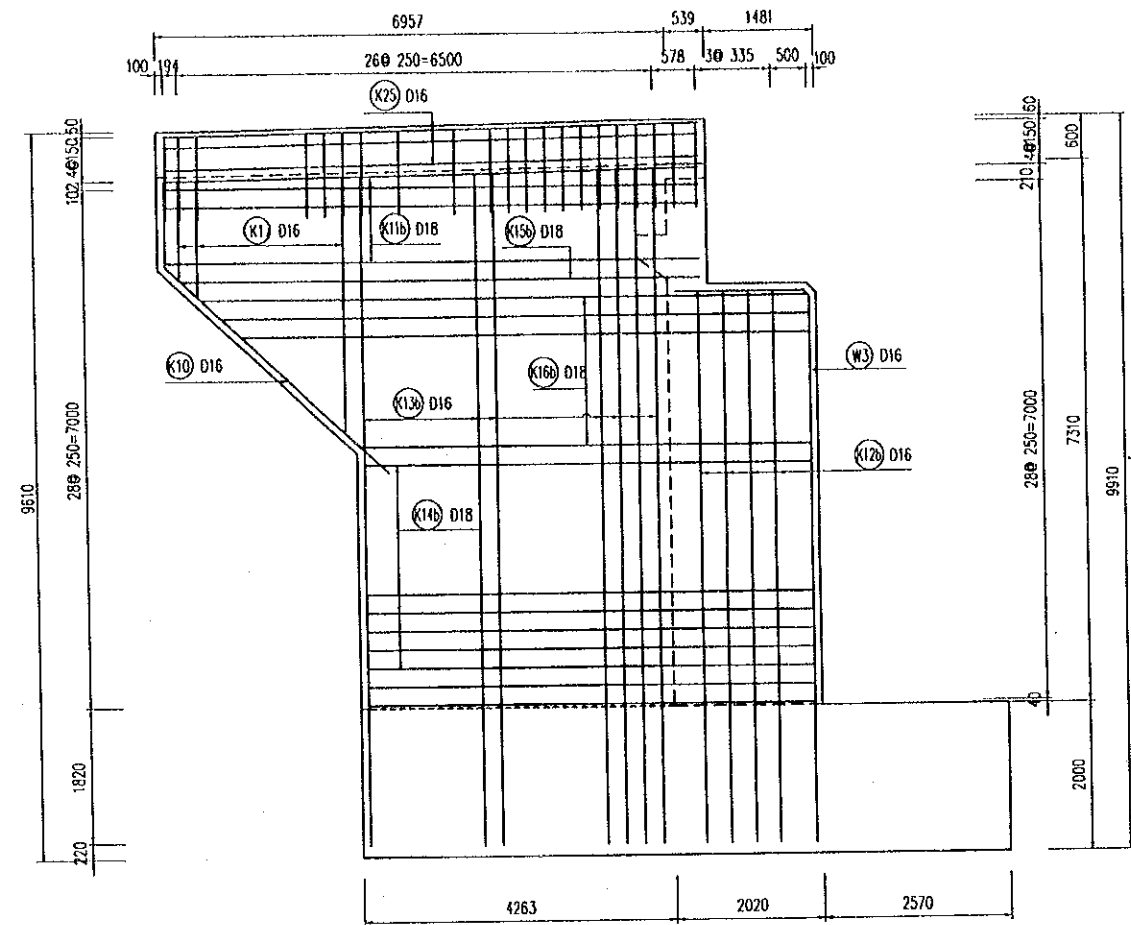
SECTION I' - I'

SCALE 1:100



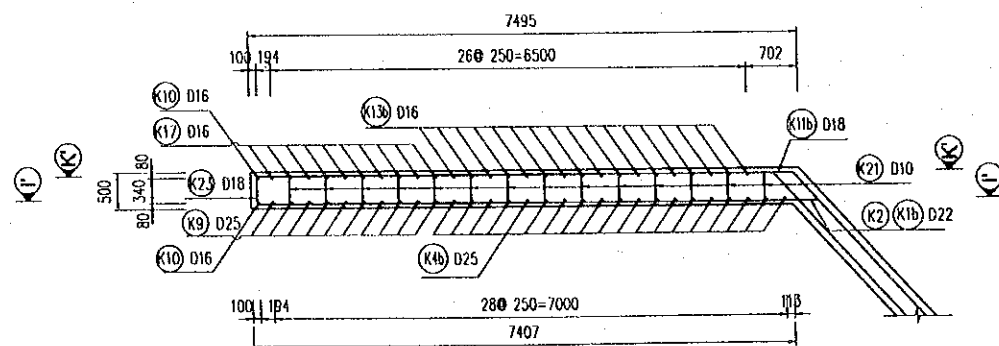
SECTION K' - K'

SCALE 1:100



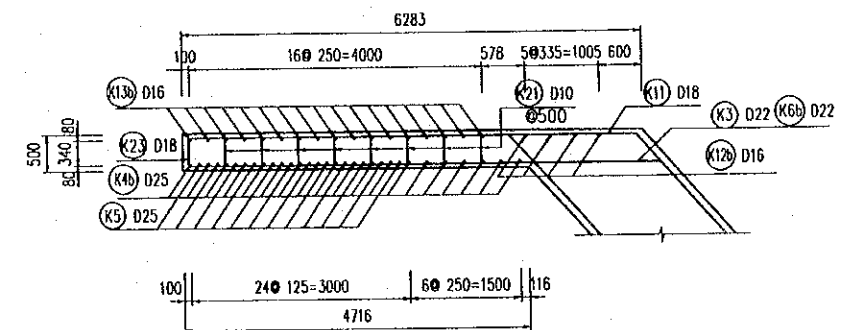
SECTION M' - M'

SCALE 1:100



SECTION N' - N'

SCALE 1:100



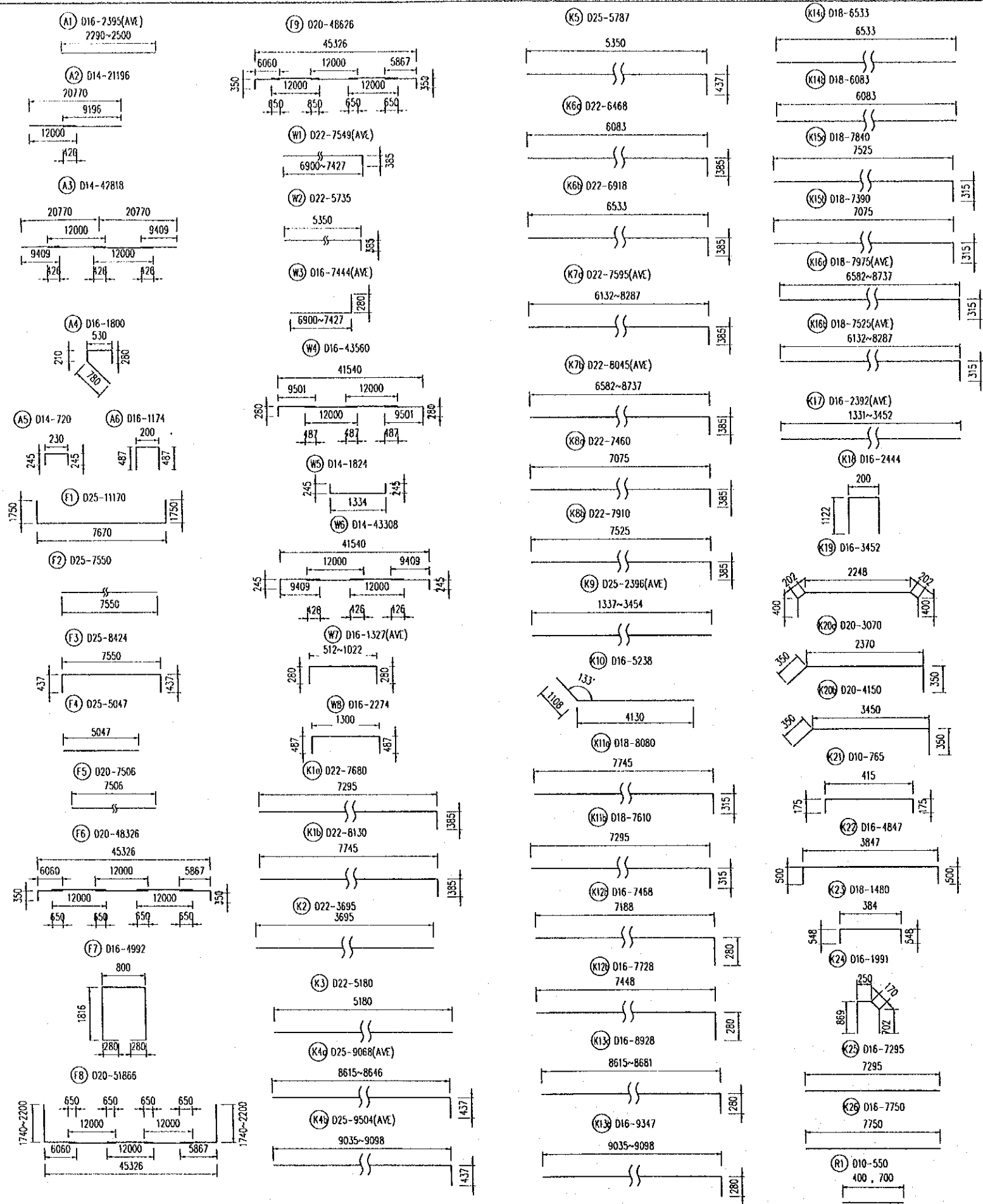
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE ABUTMENTS	P3/BR8/0411
				SIGNATURE	SIGNATURE	SIGNATURE	ABUTMENT A1 & A2 - REINFORCEMENT - SHEET 5	
				DATE	DATE	DATE		

**LIST OF REINFORCEMENTS (FOR 1 ABUTMENT)**

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARKS
A1	16	2395	500	1.578	1890	AVERAGE
A2	14	21196	2	1.208	51	
A3	14	42818	20	1.208	1034	
A4	16	1800	124	1.578	352	
A5	14	720	249	1.208	217	
A6	16	1174	167	1.578	399	
F1	25	11170	183	3.853	7876	
F2	25	7506	180	3.853	5206	
F3	25	8424	183	3.853	5940	
F4	25	5047	180	3.853	3500	
F5	20	7506	16	2.466	296	
F6	20	48326	16	2.466	1907	
F7	16	4992	135	1.578	1063	
F8	20	51866	30	2.466	3837	
F9	20	48626	30	2.466	3597	
W1	22	7549	167	2.984	3762	AVERAGE
W2	22	5735	166	2.984	2841	
W3	16	7444	167	1.578	1962	AVERAGE
W4	16	43560	21	1.578	1443	
W5	14	1874	807	1.208	1778	
W6	14	43308	21	1.208	1099	
W7	16	1327	6	1.578	13	AVERAGE
W8	16	2274	167	1.578	599	
K1a	22	7680	6	2.984	138	
K1b	22	8130	6	2.984	146	
X2	22	3695	10	2.984	110	
K3	22	5180	22	2.984	340	
K4a	25	9068	9	3.853	314	
K4b	25	9504	19	3.853	696	
K5	25	5787	17	3.853	379	AVERAGE
K6a	22	6468	12	2.984	232	
K6b	22	6918	14	2.984	289	
K7a	22	7595	9	2.984	204	AVERAGE
K7b	22	8045	9	2.984	216	AVERAGE
K8	22	7460	2	2.984	45	
K9	25	2396	20	3.853	185	AVERAGE
K10	16	5238	4	1.578	33	
K11a	18	8080	6	1.998	97	
K11b	18	7610	6	1.998	91	
K12a	16	7468	4	1.578	47	
K12b	16	7728	4	1.578	49	
K13a	16	8928	18	1.578	254	
K13b	16	9347	17	1.578	251	
K14a	18	6533	12	1.998	157	
K14b	18	6083	14	1.998	170	
K15a	18	7840	1	1.998	16	
K15b	18	7390	1	1.998	15	
K16a	18	7975	9	1.998	143	AVERAGE
K16b	18	7525	9	1.998	135	AVERAGE
K17	16	2392	20	1.578	75	AVERAGE
K18	16	2444	62	1.578	239	
K19	16	3452	2	1.578	11	
K20a	20	3070	7	2.466	53	
K20b	20	4150	20	2.466	205	
K21	10	765	144	0.617	68	
K22	16	4847	4	1.578	31	
K23	18	1480	54	1.998	160	
K24	16	1991	62	1.578	195	
K25	16	7295	8	1.578	92	
K26	16	7750	8	1.578	98	
R1	10	550	130	0.617	44	
TOTAL		56593	KG			
D25		24096	KG			
D22		8321	KG			
D20		9895	KG			
D18		984	KG			
D16		9006	KG			
D14		4179	KG			
D10		112	KG			
				CONCRETE : 1106.0 M3		



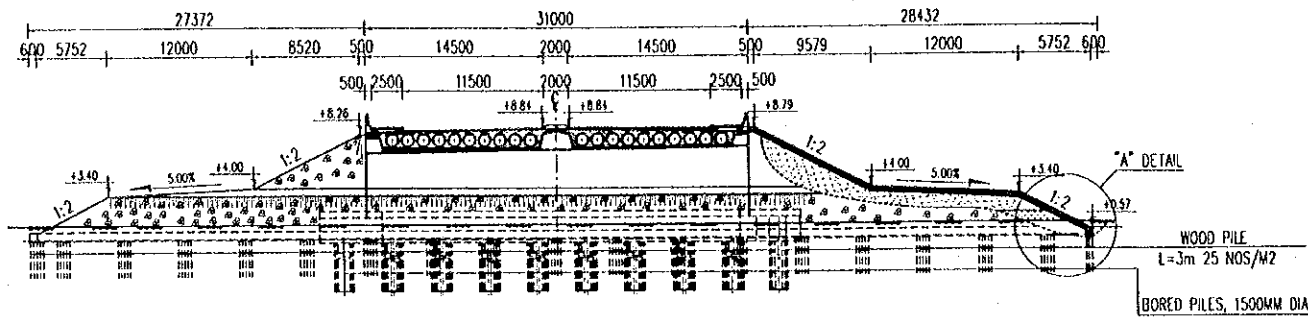
**NOTES :** FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

<b>PROJECT NAME</b> DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	<b>IMPLEMENTATION AGENCY</b> JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	<b>EXECUTING AGENCY</b> SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	<b>JICA STUDY TEAM</b> NIPPON KOEI CO.,LTD.	<b>PREPARED BY</b> NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	<b>CHECKED BY</b> K. Matsumoto DATE: 29/9/2000	<b>APPROVED BY</b> K. Enomoto DATE: 5/10/2000	<b>DRAWING TITLE</b> INTERCHANGE 3 FLYOVER BRIDGE ABUTMENTS ABUTMENT A1 & A2 - REINFORCEMENT - SHEET 6	<b>DWG NO.</b> P3/BR8/0412
---	---	--	--	--	--	---	--	-------------------------------

# EARTHWORKS SLOPE PROTECTION

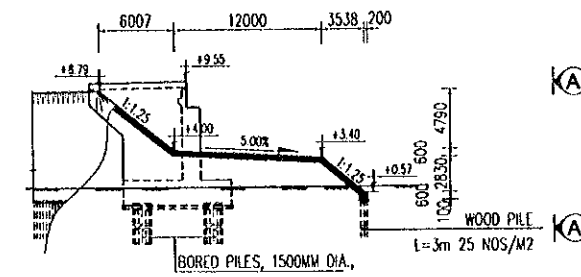
(SCALE 1:600)

## A-A ( ABUTMENT A1,A2)

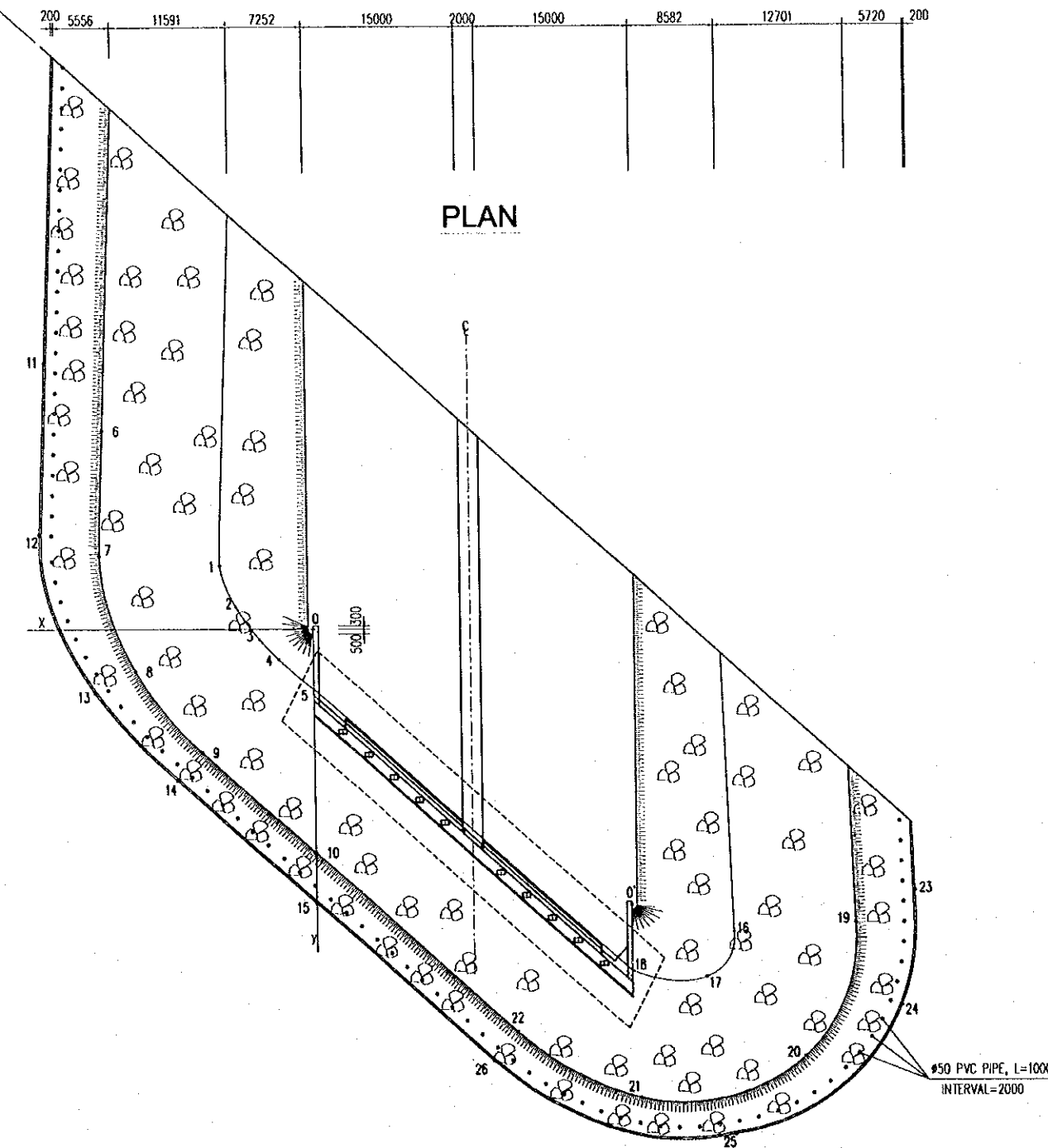


## SIDE ELEVATION

(SCALE 1:600)

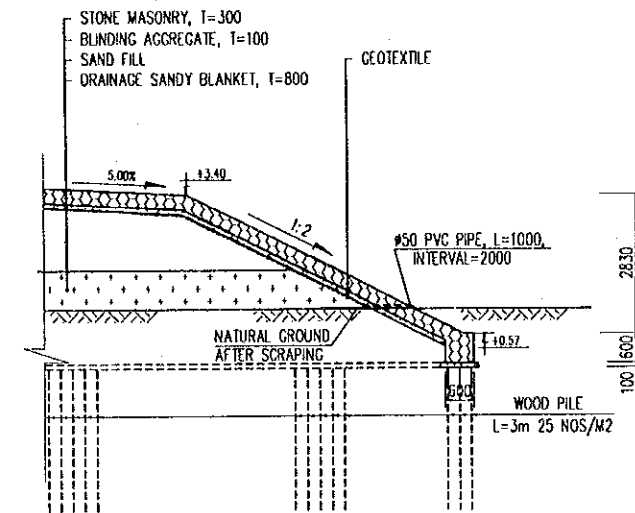


## PLAN



## "A" DETAIL

(SCALE 1:150)



## TABLE OF COORDINATES

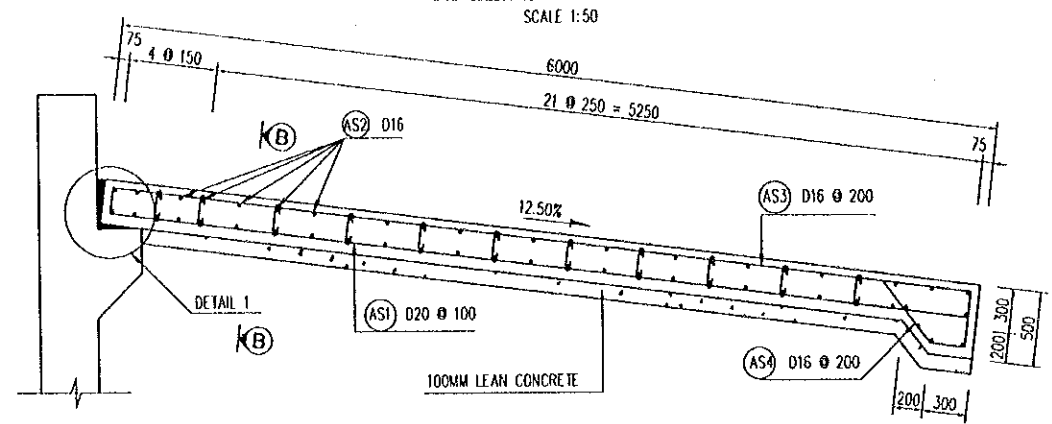
No	X (m)	Y (m)
0	0	0
1	902	-627
2	744	-218
3	516	102
4	334	302
5	0	563
6	2061	-1951
7	2102	-722
8	1756	415
9	1099	1218
10	0	2208
11	2630	-2614
12	2697	-932
13	2165	629
14	1349	1496
15	0	2713
16	-3100	2741
17	-4119	3011
18	-3100	3389
19	-5315	2914
20	-4817	4235
21	-3172	4643
22	-1974	3988
23	-5899	2600
24	-5783	3730
25	-4115	5009
26	-1731	4274

## NOTES

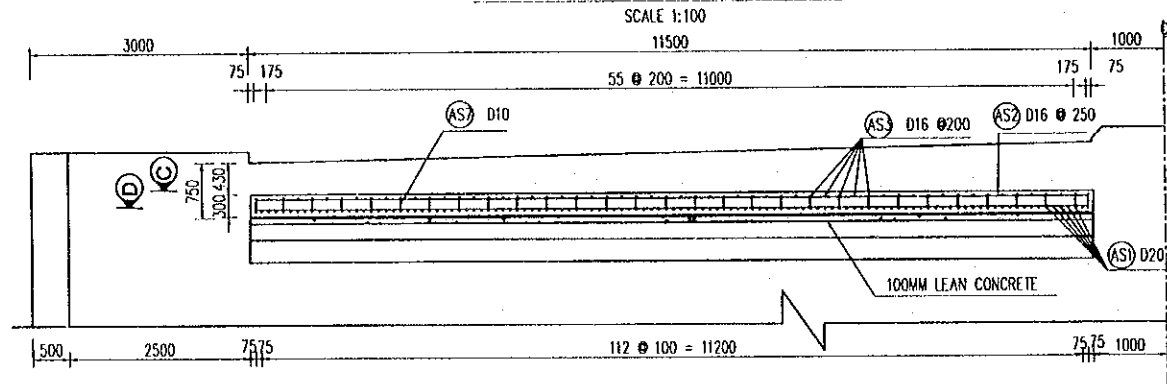
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/ BR8/0030

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 3 FLYOVER BRIDGE ABUTMENTS EARTHWORKS SLOPE PROTECTION	P3/BR8/0420

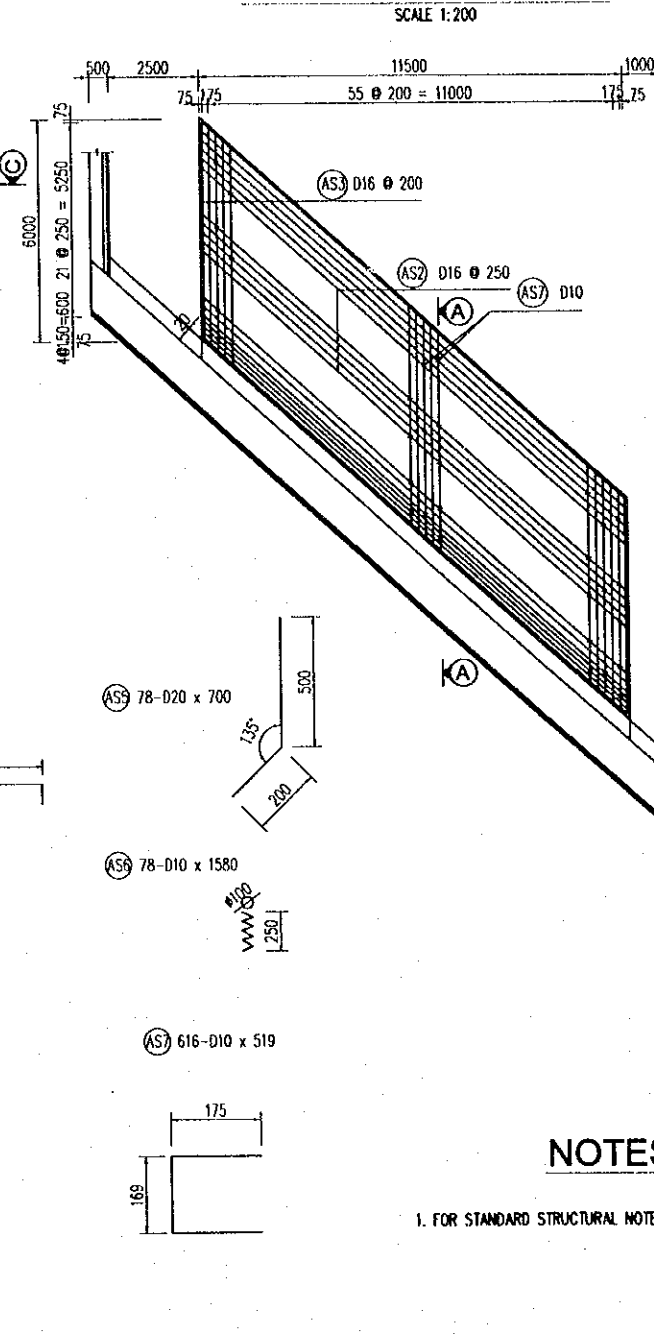
### SECTION A - A



### HALF SECTION B - B



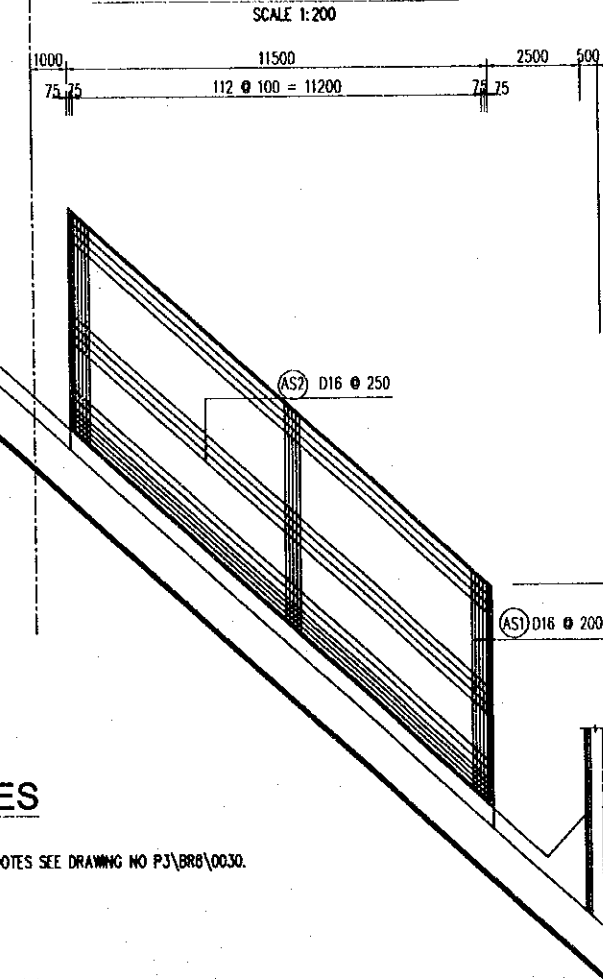
### HALF SECTION C - C



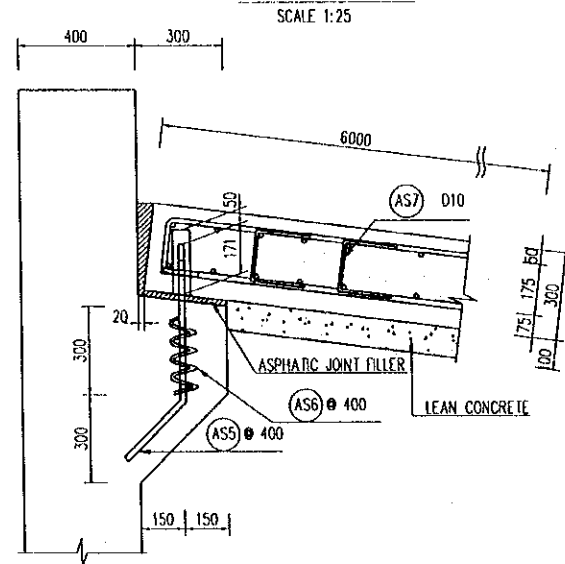
### REINFORCING BAR LIST APPROACH SLAB

TYPE	DIAMETER (mm)	LENGTH OF BAR (mm)	U.WEIGHT (kg/m)	NUMBER	WEIGHT (kg)
AS1	D20	5850	2.466	230	3318.0
AS2	D16	15584	1.578	110	2705.1
AS3	D16	6320	1.578	116	1156.9
AS4	D16	1200	1.578	116	219.7
AS5	D20	700	2.466	78	134.6
AS6	D10	1580	0.617	78	76.0
AS7	D10	519	0.617	616	197.3
			D10		273.3 kg
			D16		4081.7 kg
			D20		3452.6 kg
			TOTAL :		7807.6 kg
			CONCRETE :		43.2 m <sup>3</sup>
			LEAN CONCRETE :		13.3 m <sup>3</sup>
			ASPHATIC JOINT FILLER :		0.41 m <sup>3</sup>

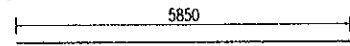
### HALF SECTION D - D



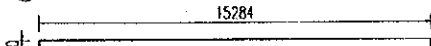
### DETAIL 1



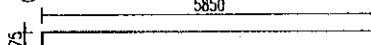
AS1 230-D20 x 5850



AS2 110-D16 x 15584



AS3 116-D16 x 6320



AS4 116-D16 x 1200



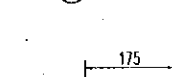
AS5 78-D20 x 700



AS6 78-D10 x 1580



AS7 616-D10 x 519



### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3\BR8\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.	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 3 FLYOVER BRIDGE ABUTMENTS APPROACH SLAB DETAILS	P3/BR8/0430

## QUANTITY TABLE OF ABUTMENT

ITEMS		UNIT	ABUTMENT		TOTAL	
			A1	A2		
<b>A- ABUTMENT</b>						
PILE	NUMBER OF PILES	PILE	20	20	40	
	BORED PILES F1500mm TOTAL LENGTH	m3	1140	1140	2280	
	CONCRETE CLASS D	m3	2018.1	2018.1	4036	
	REINFORCEMENT	D32	kg	48484.0	48484.0	96968
		D25	kg	63374.0	63374.0	126748
		D22	kg	6322.0	6322.0	12644
		D16	kg	668.0	668.0	1336
		D10	kg	18238.0	18238.0	36476
		TOTAL	kg	137086	137086	274172
	ABUTMENT	CONCRETE CLASS E	kg	1106.0	1106.0	2212
REINFORCEMENT		D25	kg	24096	24096	48192
		D22	kg	8321	8321	16642
		D20	kg	9895	9895	19790
		D18	kg	984	984	1968
		D16	kg	9006	9006	18012
		D14	kg	4179	4179	8358
		D10	kg	112	112	224
		TOTAL	kg	56593	56593	113186
LEAN CONCRETE CLASS C		m3	31.7	31.7	63	
BLINDING STONE	m3	63.4	63.4	127		
EXCAVATION	m3	1005	1005	2011		
FILLING	m3	217	217	433		
<b>B- APPROACH SLAB</b>						
	CONCRETE CLASS E	m3	43.2	43.2	86	
	LEAN CONCRETE CLASS C	m3	13.3	13.3	27	
	ASPHANTIC BIND FILLER T=20mm	m3	0.4	0.4	0.8	
	REINFORCEMENT	D20	kg	3452.6	3452.6	6905
		D16	kg	4081.7	4081.7	8163
		D10	kg	273.3	273.3	547
		TOTAL	kg	7807.6	7807.6	15615
<b>C- SLOPE PROTECTION</b>						
	STONE MASONRY T=300mm	m3	883.9	883.9	1768	
	BLINDING AGGREGATE T=100mm	m3	294.3	294.3	589	
	GEOTEXTILE	m2	975.0	975.0	1950	
	PVC PILE 50MM DIA, L=1000mm	m	79.0	79.0	158	
FOOTING	STONE MASONRY	m3	54.0	54.0	108	
	BLINDING AGGREGATE T=100mm	m3	12.0	12.0	24	
	WOODEN PILE L=3m	m	9467.0	9467.0	18934	
	EXCAVATION	m3	682.0	682.0	1364	
	FILLING	m3	473.0	473.0	946	

### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.
2. QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

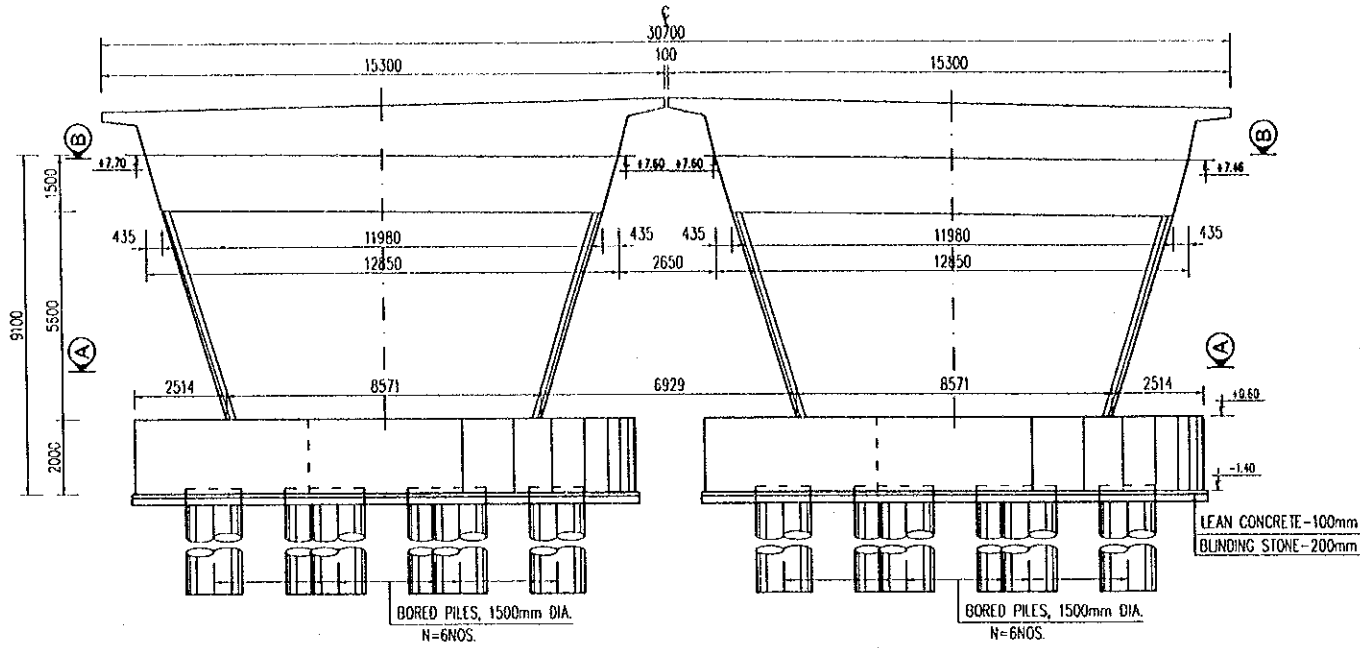
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: DATE: 5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE ABUTMENTS QUANTITY TABLE OF ABUTMENT	P3/BR8/0440



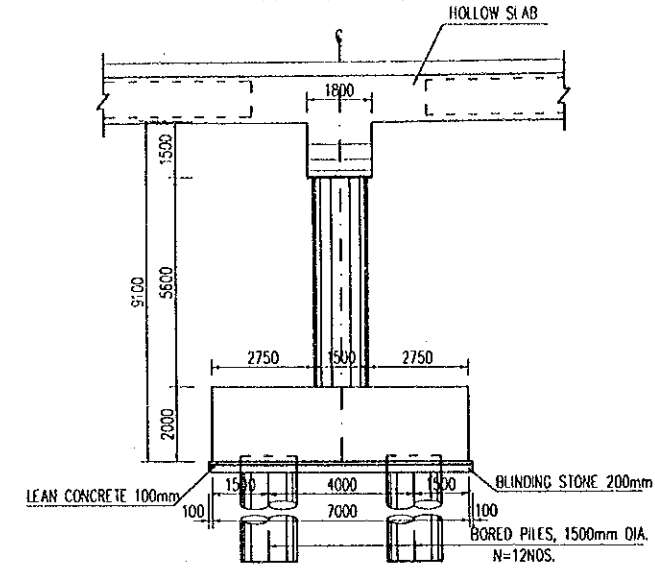
## IV. PIERS

ELEVATION

PIER P1 (P3)

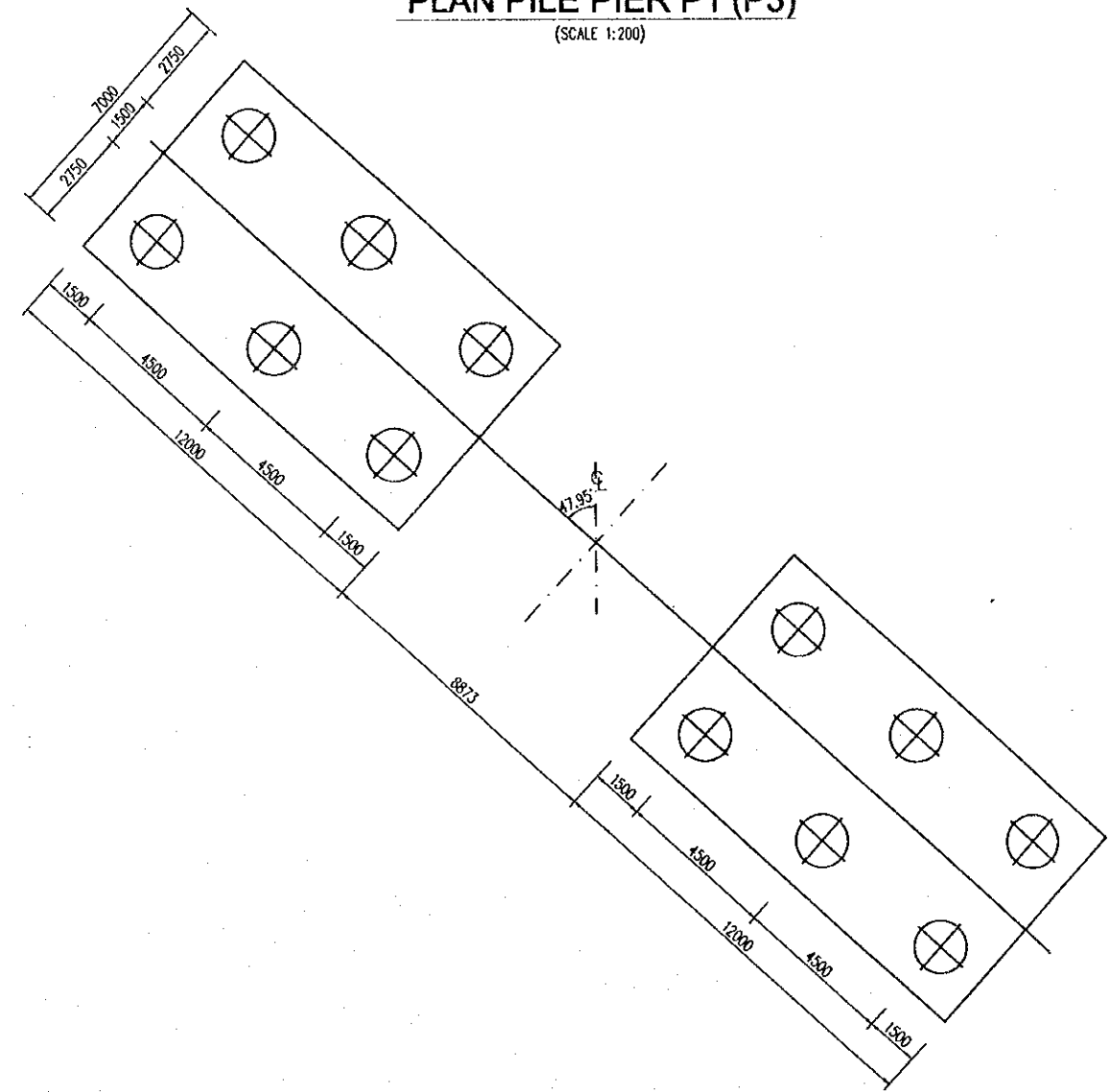


SIDE ELEVATION



PLAN PILE PIER P1 (P3)

(SCALE 1:200)

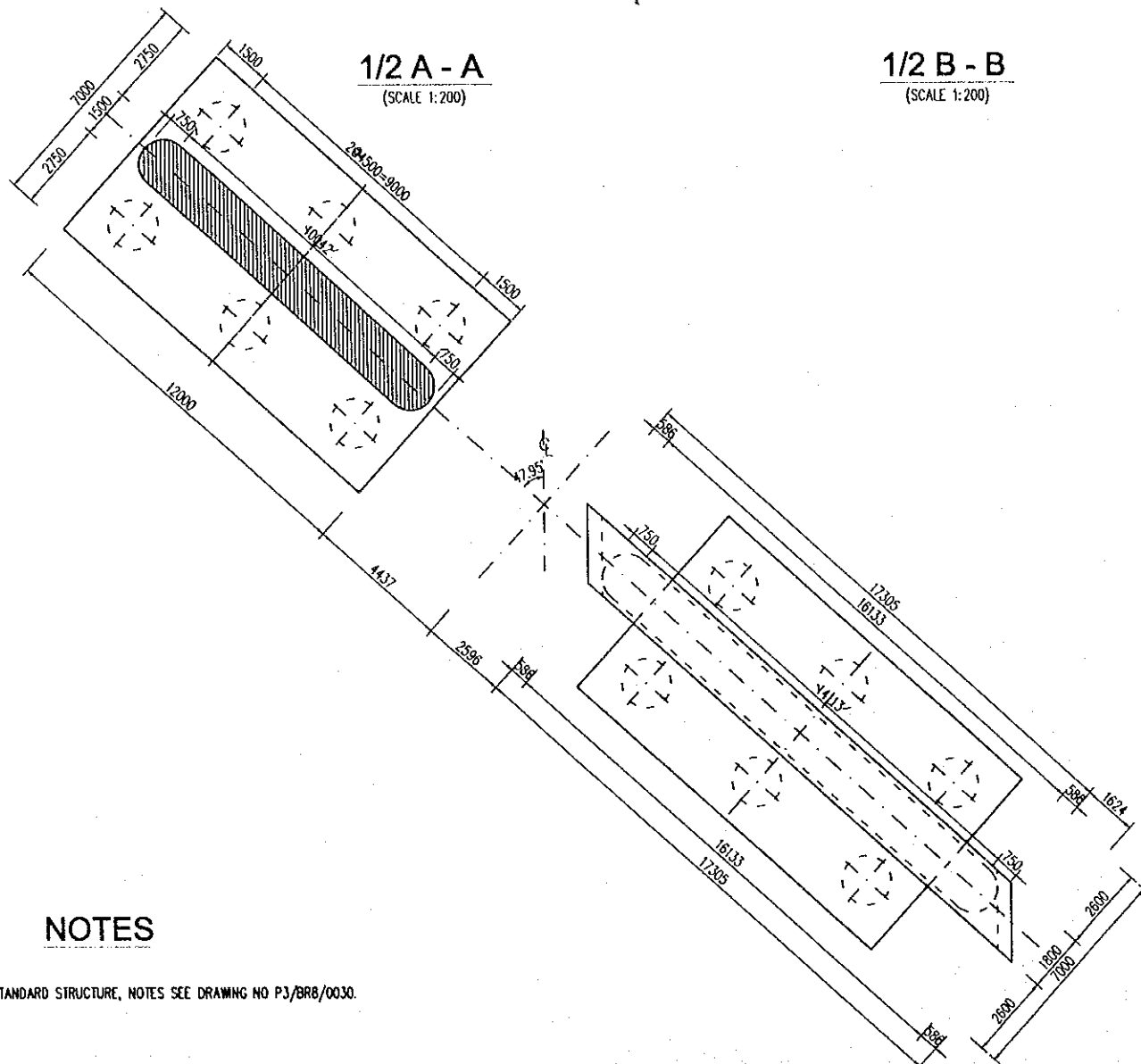


1/2 A - A

(SCALE 1:200)

1/2 B - B

(SCALE 1:200)



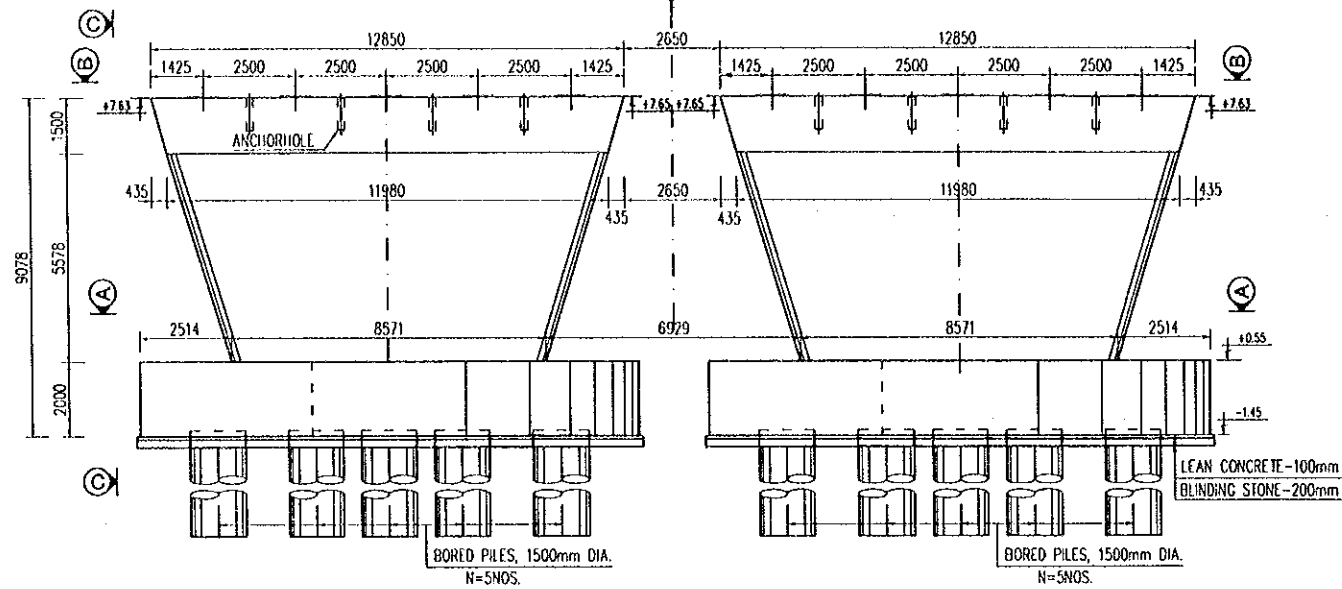
NOTES

1. FOR STANDARD STRUCTURE, NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE PIERS PIER P1 & PIER P3 - GENERAL VIEW	P3/BR8/0450
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

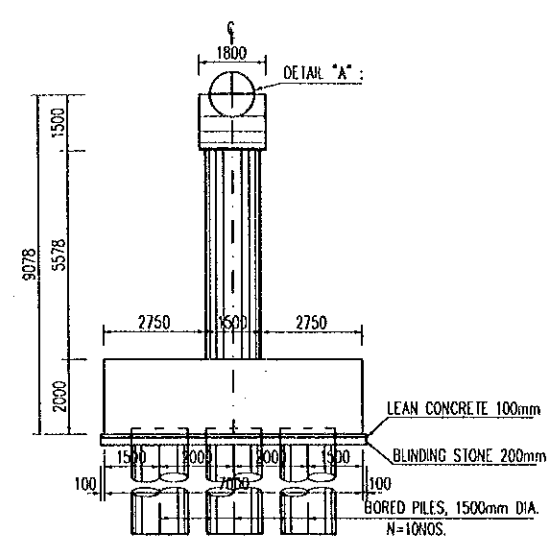
**PIER ELEVATION P2**

(SCALE 1:200)



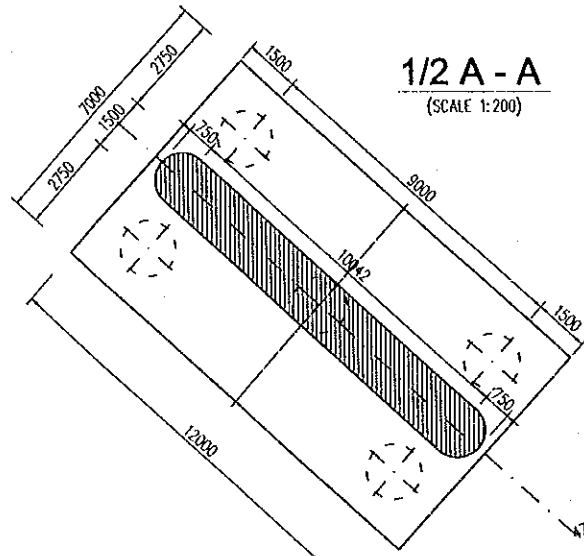
**C - C**

(SCALE 1:200)



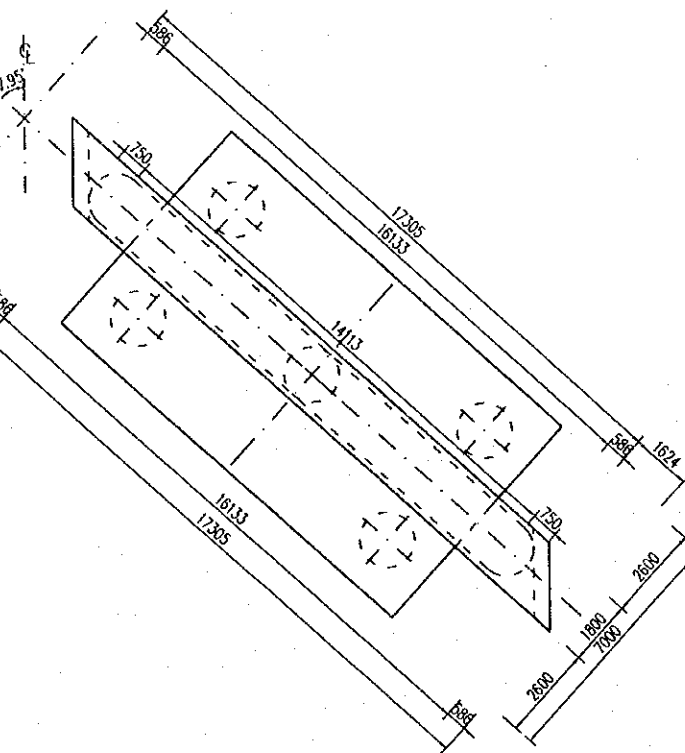
**1/2 A - A**

(SCALE 1:200)



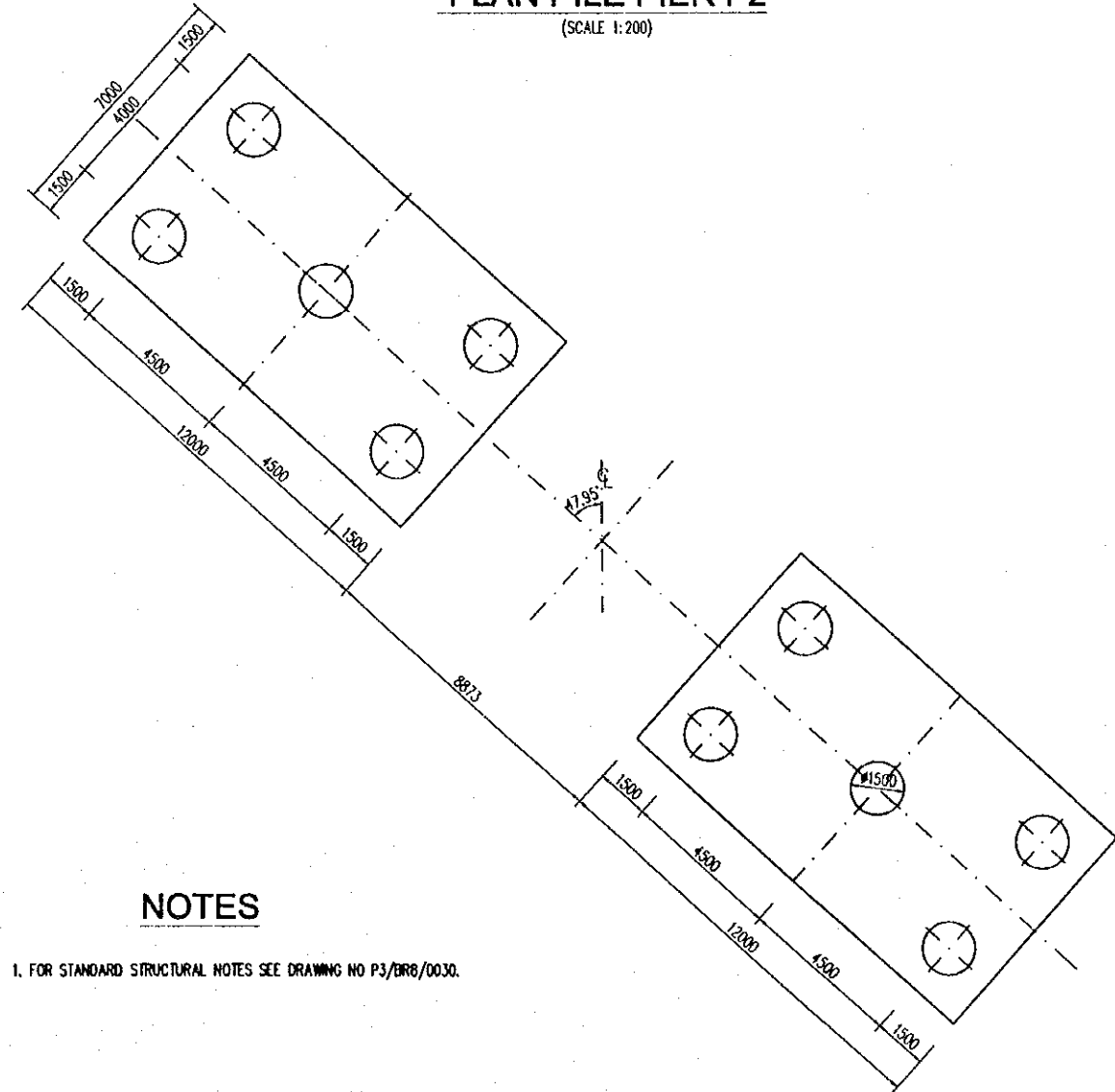
**1/2 B - B**

(SCALE 1:200)



**PLAN PILE PIER P2**

(SCALE 1:200)

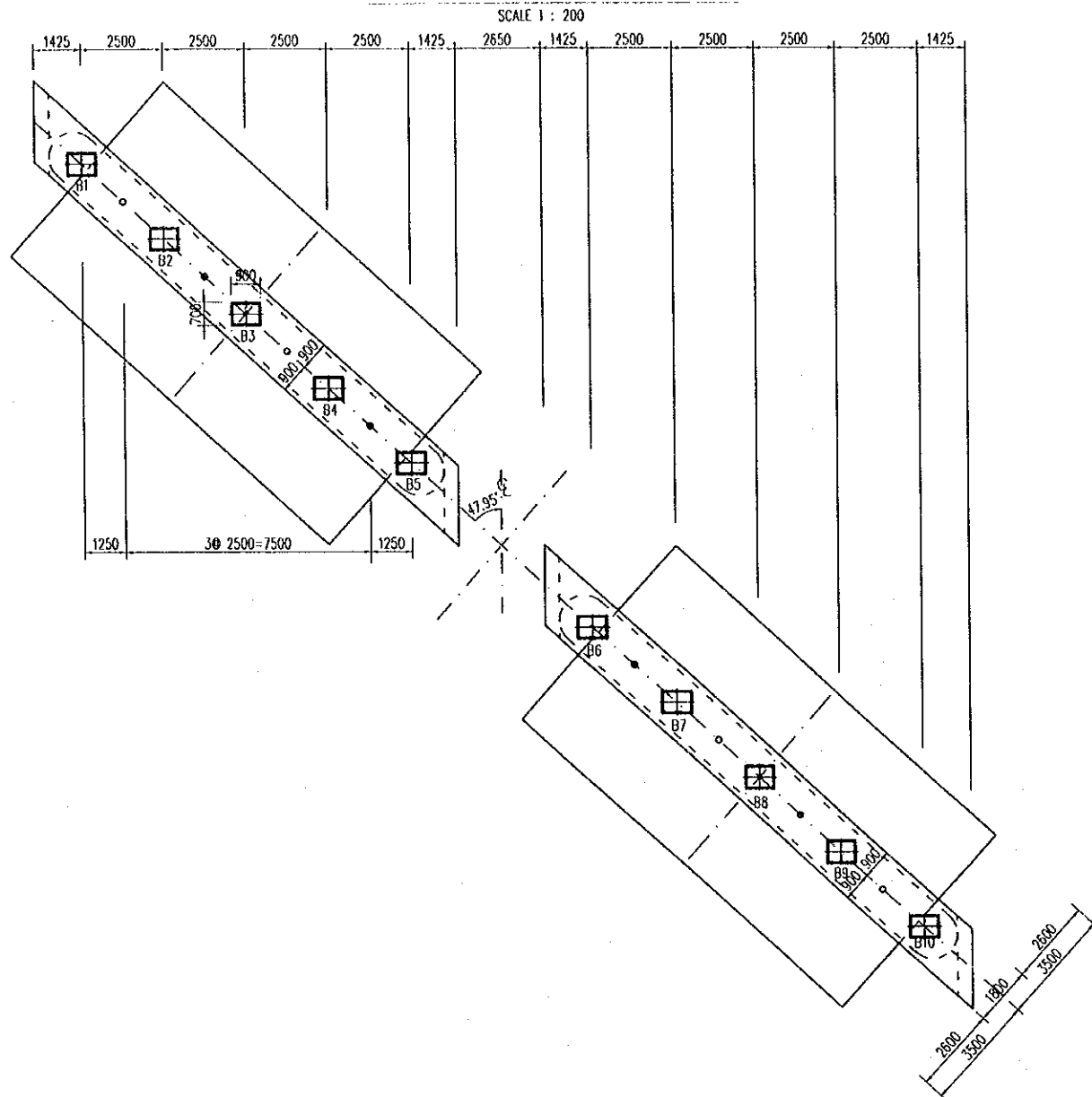


**NOTES**

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE PIERS PIER P2 - GENERAL VIEW - SHEET 1	P3/BR8/0460
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

### BEARING SEAT - PLAN

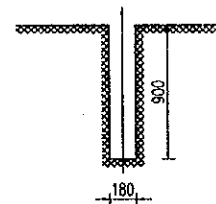


### HOLLOW SLAB BEARING SEAT ELEVATION OF EL

GROUT PAD	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
PIER TYPE	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2
ELEVATION	+7.660	+7.664	+7.668	+7.673	+7.677	+7.677	+7.673	+7.668	+7.664	+7.660

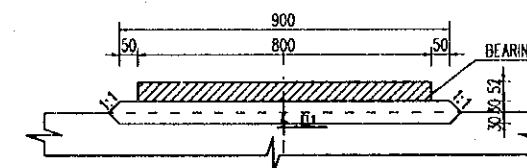
### ANCHOR HOLE

SCALE 1:50

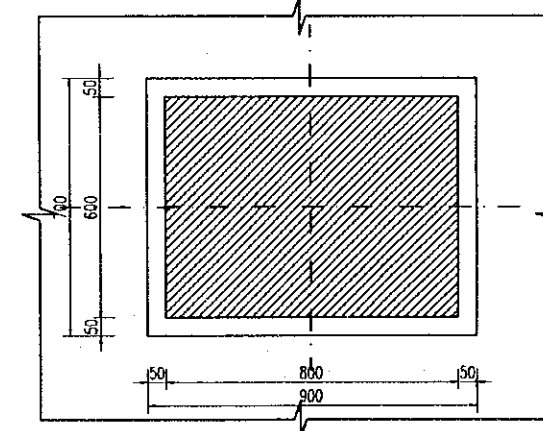


### DETAIL "A" :

SCALE 1:20



### PLAN :

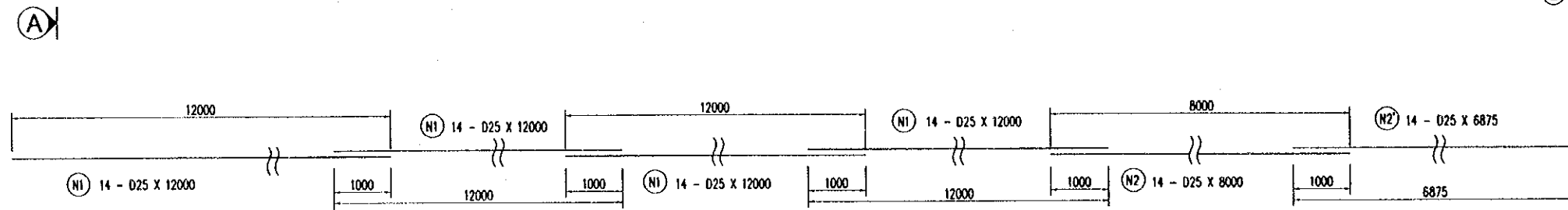
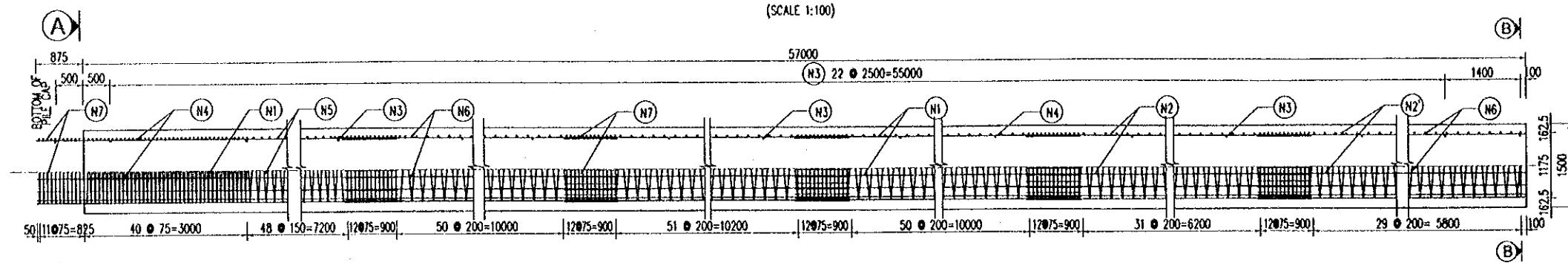


### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE PIERS PIER P2 - GENERAL VIEW - SHEET 2	P3/BR8/0470
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		

# BORED CAST IN-SITU PILE DETAILS FOR PIER P1,P2&P3

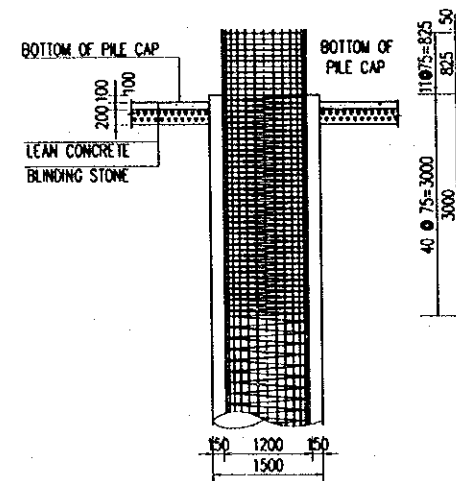
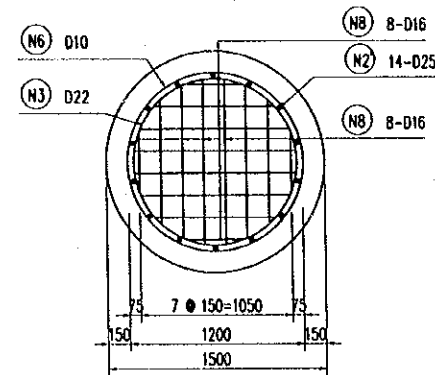
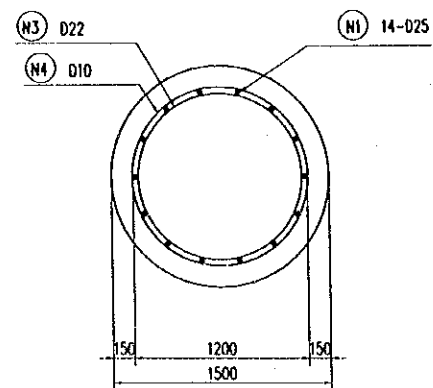


**SECTION A-A**  
(SCALE 1:50)

**SECTION B-B**  
(SCALE 1:50)

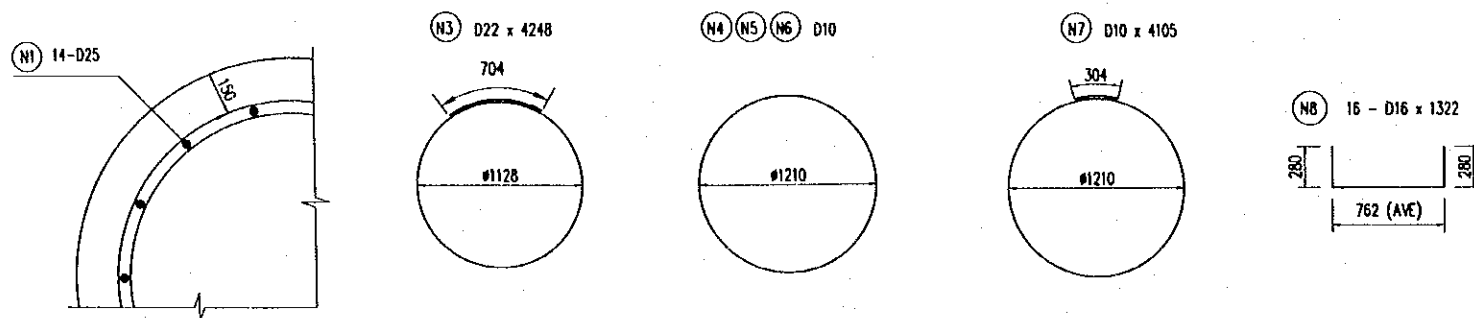
**DETAIL OF CONCRETE PILE HEAD**  
(SCALE 1:100)

**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	56	2589.2	100.73	
N2	D25	8000	3.853	14	431.5		
N2'	D25	6875	3.853	14	370.9		
N3	D22	4248	2.984	25	316.9		
N4	D10	15205.3	0.617	1	93.8		
N5	D10	18246.4	0.617	1	112.6		
N6	D10	80588.1	0.617	1	497.2		
N7	D10	4105	0.617	77	195.0		
N8	D16	1322	1.578	16	33.4		
					D10		898.6 kg
					D16		33.4 kg
					D22		316.9 kg
					D25		3391.6 kg
					<b>TOTAL</b>	<b>4640.5 kg</b>	

**DETAIL OF COVERING**  
(SCALE 1:25)



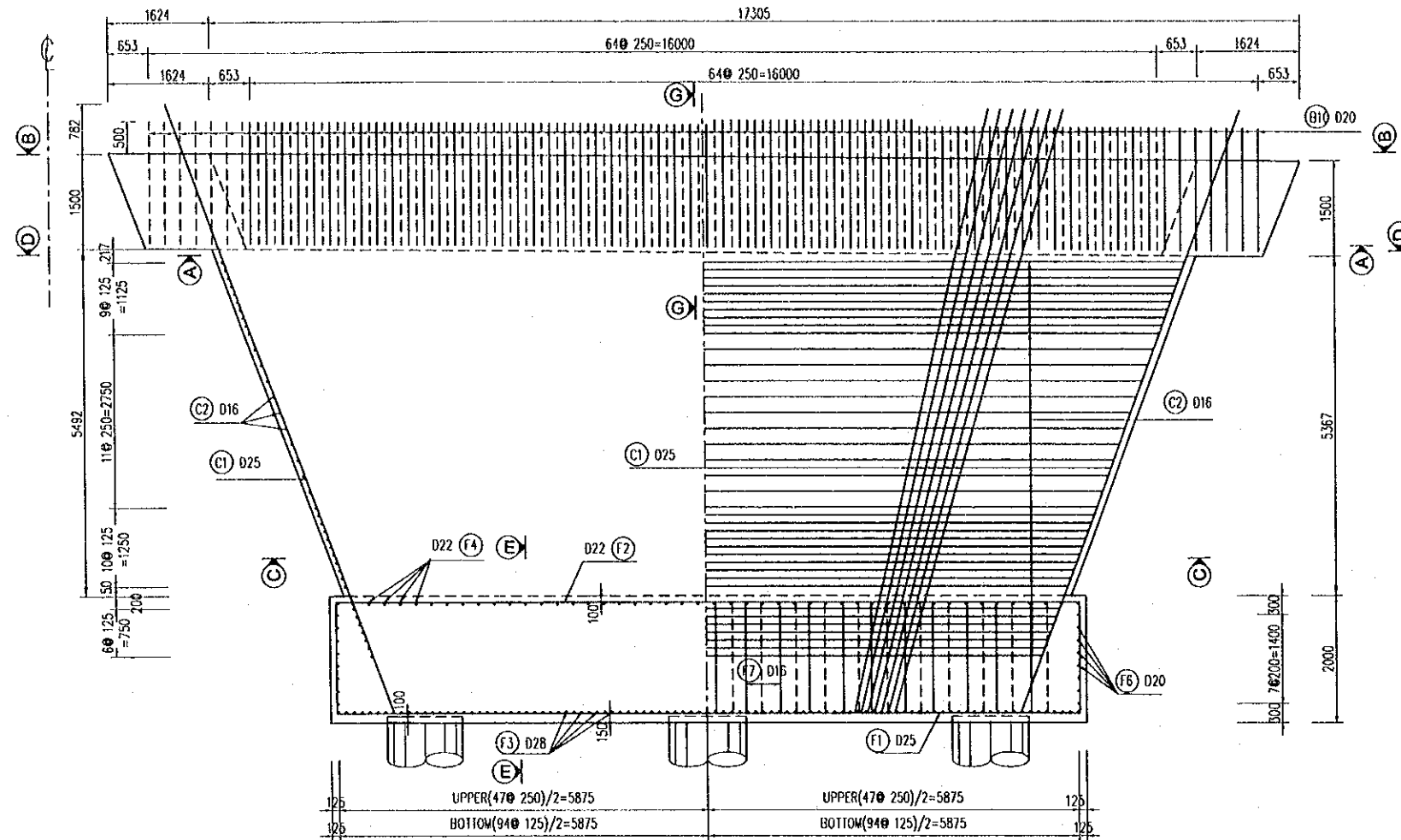
**NOTES**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

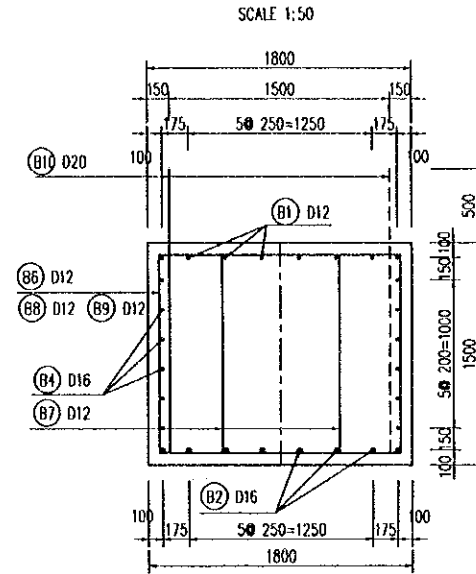
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kamelani	K. Matsumoto	K. Enomoto	INTERCHANGE 3 FLYOVER BRIDGE PIERS P1,P2&P3 PIER P1, PIER P2 & PIER P3-BORED PILE DETAILS - L= 57m.	P3/BR8/0480
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



**PIER ELEVATION**  
(SCALE 1:100)



**SECTION G - G**

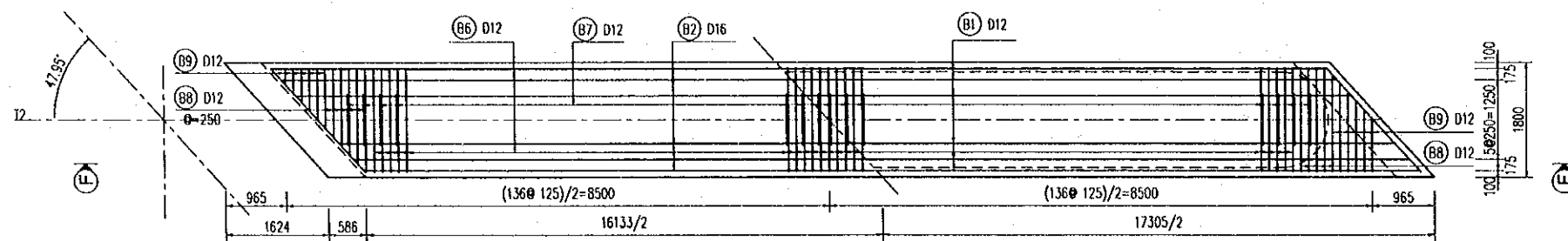


**HALF SECTION A - A**

SCALE 1:100

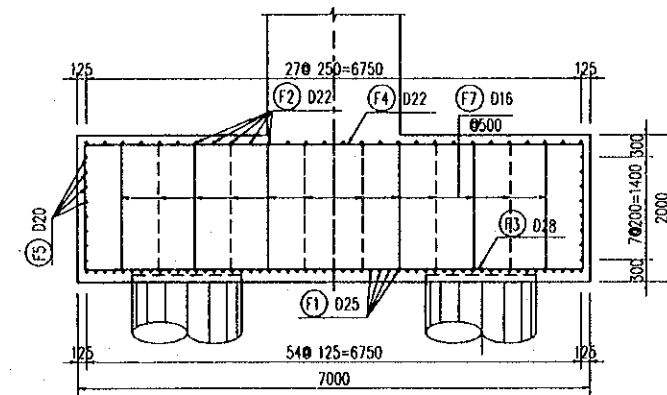
**HALF SECTION B - B**

SCALE 1:100



**SECTION E - E**

SCALE 1:100

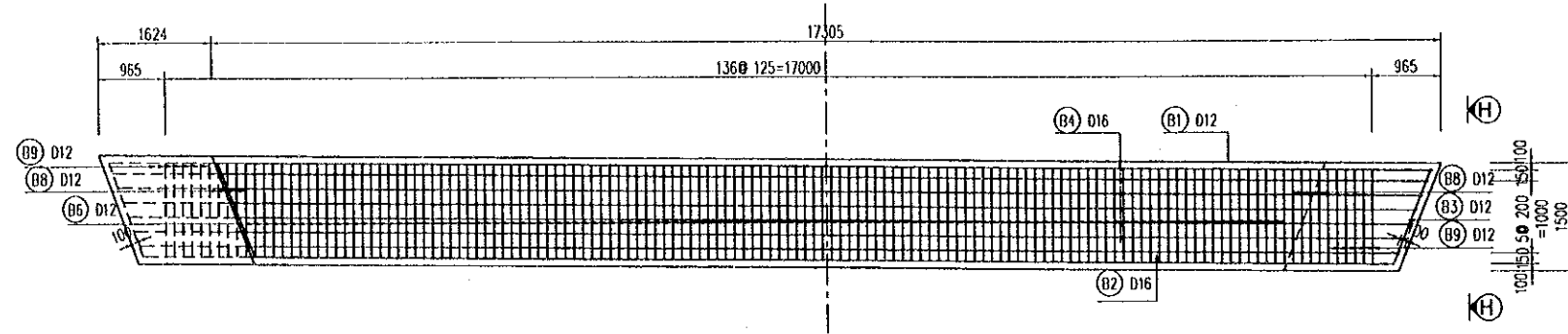


**NOTES**

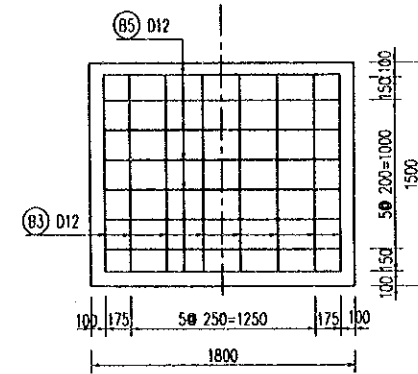
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030

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 3 FLYOVER BRIDGE PIERS PIER1 & PIER3 - REINFORCEMENT - SHEET 2	P3/BR8/0500
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

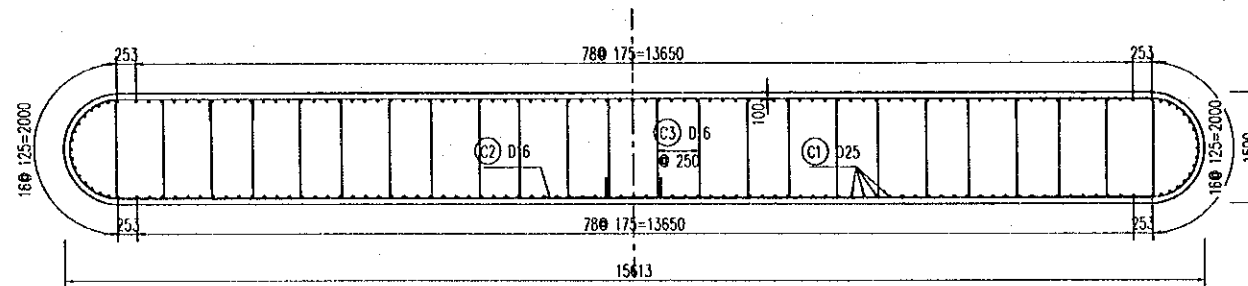
**SECTION F - F**  
SCALE 1:100



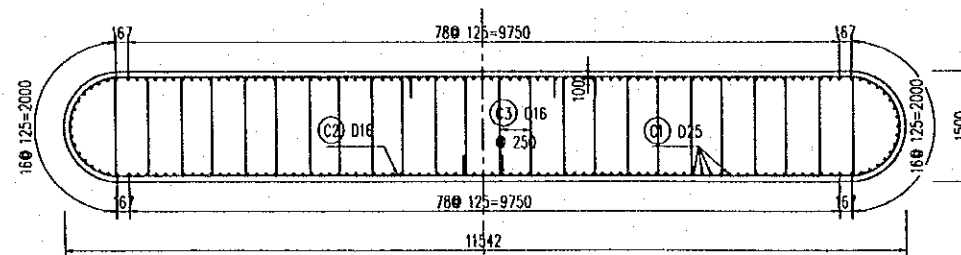
**SECTION H - H**  
SCALE 1:50



**SECTION D - D**  
SCALE 1:50



**SECTION C - C**  
SCALE 1:50

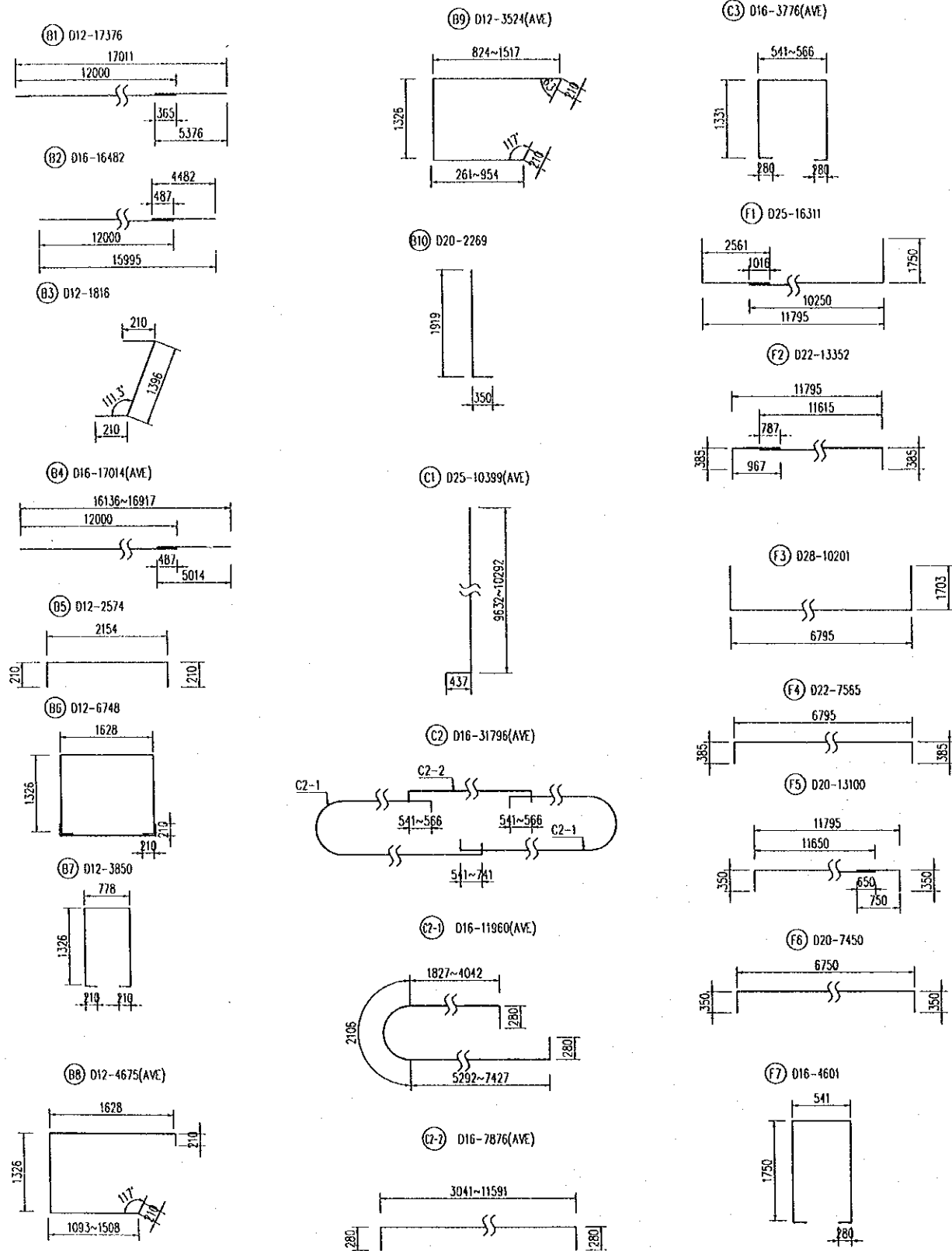


**NOTES**

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE PIERS PIER1 & PIER3 - REINFORCEMENT - SHEET 3	P3/BR8/0510
				SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>		
				DATE	20/9/2000	29/9/2000	5/10/2000	





### LIST OF REINFORCEMENTS (FOR 1 PIER)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARKS
B1	12	17376	16	0.888	246.9	
B2	16	16482	16	1.578	416.1	
B3	12	1816	32	0.888	51.6	
B4	16	17014	24	1.578	644.4	AVERAGE
B5	12	2574	32	0.888	73.1	
B6	12	6748	234	0.888	1402.2	
B7	12	3850	122	0.888	417.1	
B8	12	4675	16	0.888	66.4	AVERAGE
B9	12	3524	24	0.888	75.1	AVERAGE
B10	20	2269	260	2.466	1454.8	
C1	25	10399	384	3.853	15385.9	
C2	16	31796	77	1.578	3863.4	AVERAGE
C3	16	3776	624	1.578	3718.1	AVERAGE
F1	25	16311	110	3.853	6913.1	
F2	22	13352	56	2.984	2231.2	
F3	28	10201	190	4.834	9368.5	
F4	22	7565	96	2.984	2167.1	
F5	20	13100	32	2.466	1033.7	
F6	20	7450	32	2.466	587.9	
F7	16	4601	264	1.578	1916.7	
TOTAL		52033.4	(KG)			
D12		2332.4	(KG)			
D16		10558.8	(KG)			
D20		3076.4	(KG)			
D22		4398.3	(KG)			
D25		22299.0	(KG)			
D28		9368.5	(KG)			
				CONCRETE :	642.5 M3	

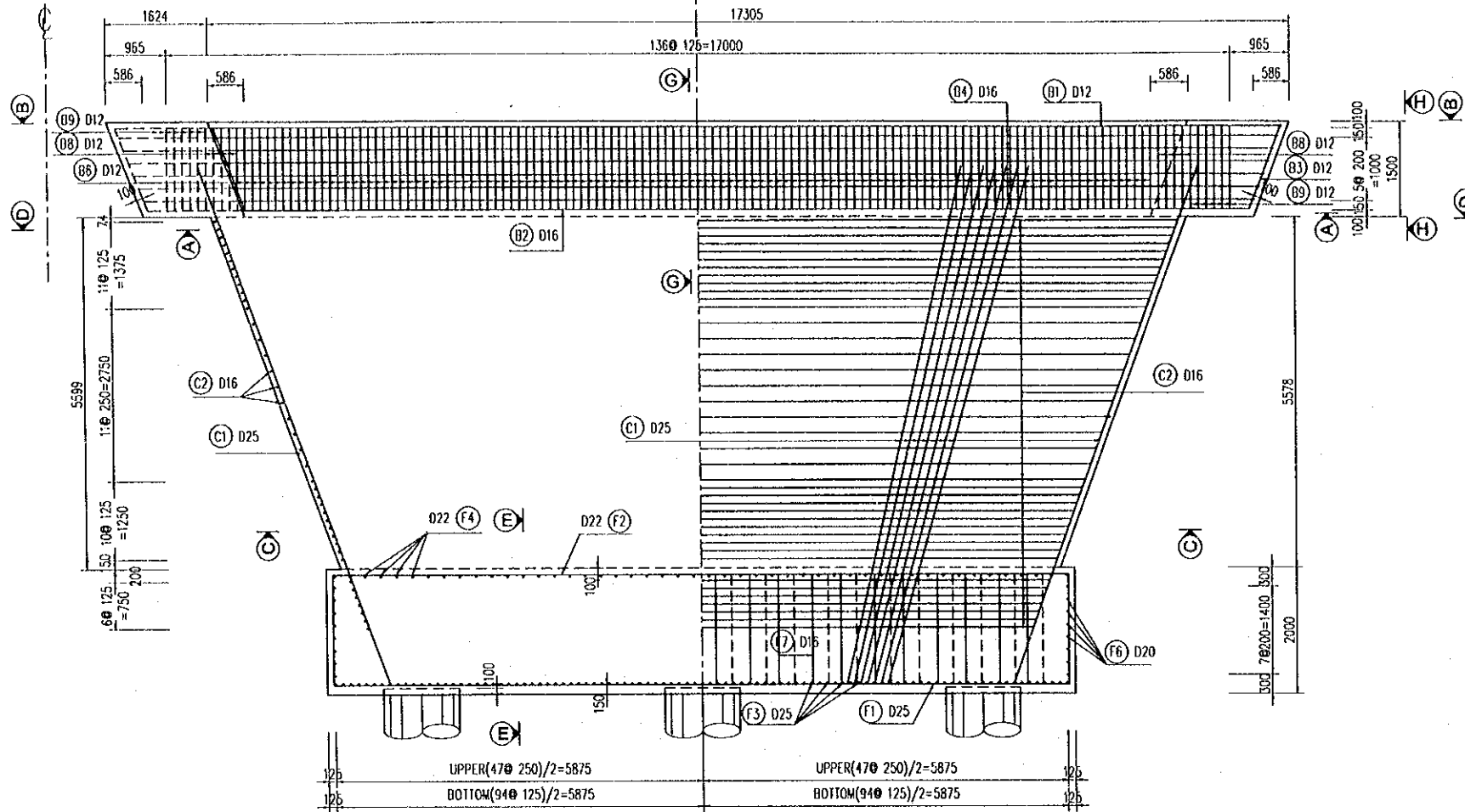
### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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 3 FLYOVER BRIDGE PIERS PIER1 & PIER3 - REINFORCEMENT - SHEET 4	P3/BR8/0511

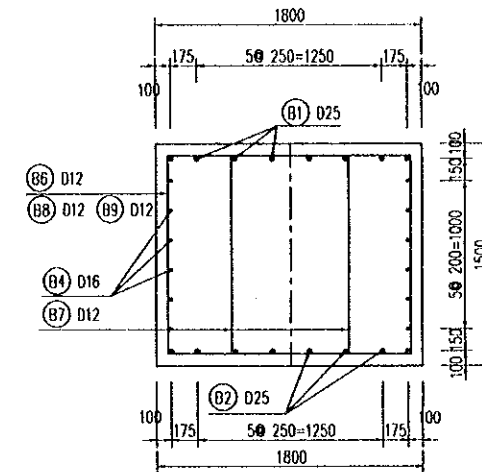
PIER ELEVATION

(SCALE 1:100)



SECTION G - G

SCALE 1:50

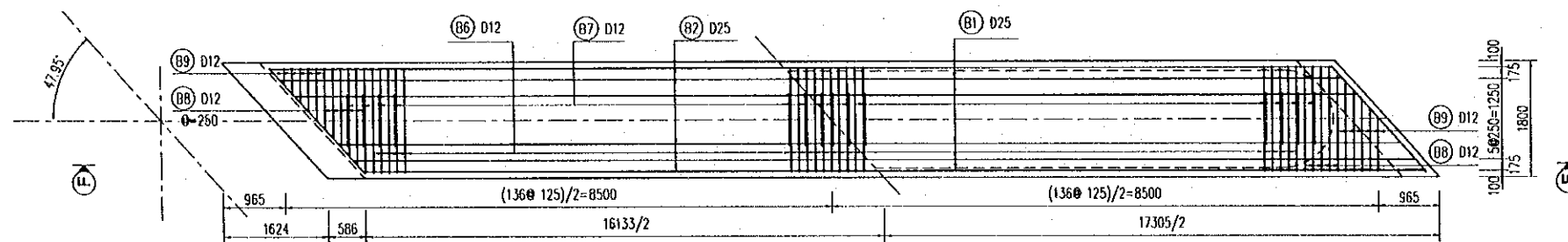


HALF SECTION A - A

SCALE 1:100

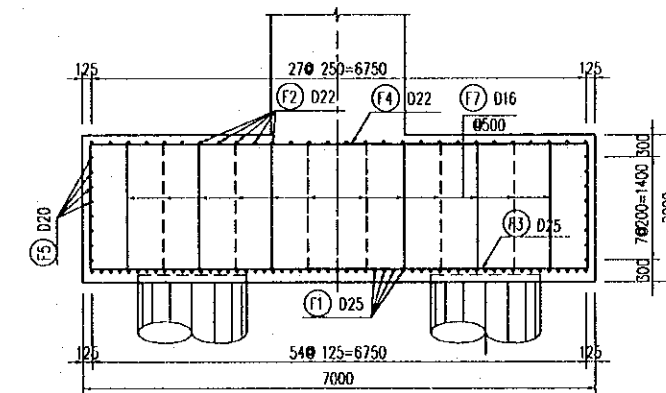
HALF SECTION B - B

SCALE 1:100



SECTION E - E

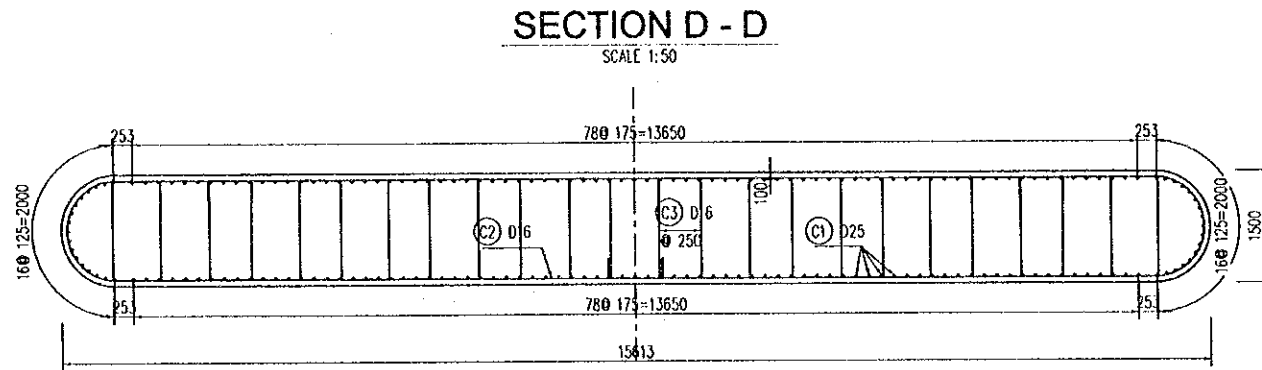
SCALE 1:100



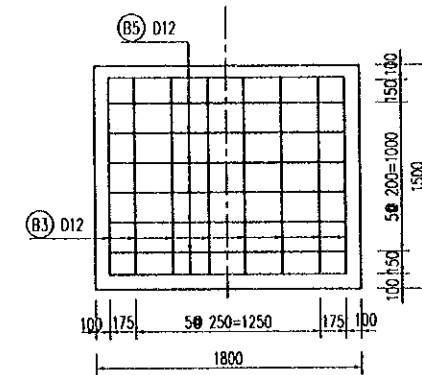
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030

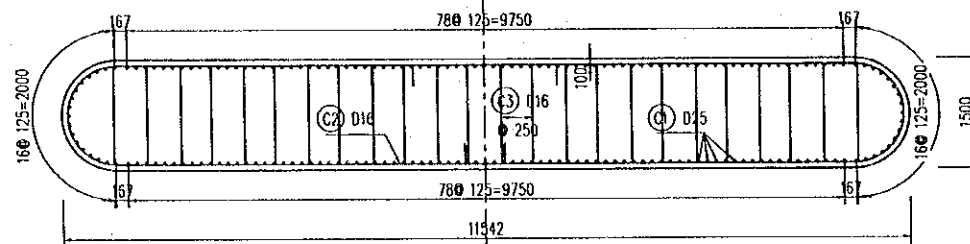
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 3 FLYOVER BRIDGE PIERS PIER 2 - REINFORCEMENT - SHEET 1	P3/BR8/0520
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		



**SECTION H - H**  
SCALE 1:50

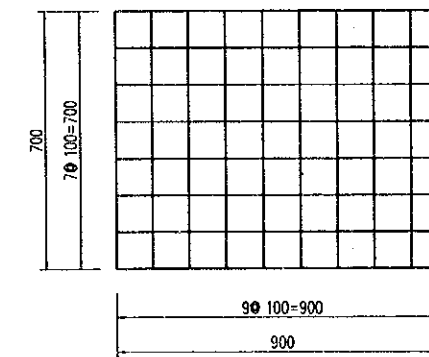
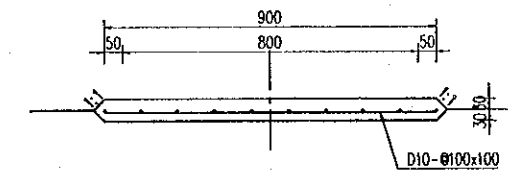


**SECTION C - C**  
SCALE 1:50



**REINFORCING SHOES :**

SCALE 1:20



**NOTES**

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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	K. Matsumoto <i>K. Matsumoto</i> 29/9/2000	K. Enomoto <i>K. Enomoto</i> 5/10/2000	INTERCHANGE 3 FLYOVER BRIDGE PIERS PIER 2 - REINFORCEMENT - SHEET 2	P3/BR8/0530

## LIST OF REINFORCEMENTS

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)	REMARKS
B1	25	18027	16	3.853	1111.3	
B2	25	17011	16	3.853	1048.7	
B3	12	1816	32	0.888	51.6	
B4	16	17014	24	1.578	644.4	AVERAGE
B5	12	2574	32	0.888	73.1	
B6	12	6788	234	0.888	1410.5	
B7	12	3881	122	0.888	420.5	
B8	12	4686	16	0.888	66.6	AVERAGE
B9	12	3535	24	0.888	75.3	AVERAGE
C1	25	8933	384	3.853	13216.8	AVERAGE
C2	16	31796	80	1.578	4013.9	AVERAGE
C3	16	3776	624	1.578	3718.1	AVERAGE
F1	25	16311	110	3.853	6913.1	
F2	22	13352	56	2.984	2231.2	
F3	25	10201	190	3.853	7467.8	
F4	22	7565	96	2.984	2167.1	
F5	20	13100	32	2.466	1033.7	
F6	20	7450	32	2.466	587.9	
F7	16	4601	264	1.578	1916.7	
R1	10	14200	10	0.617	87.6	
TOTAL		48256.1	(KG)			
D10		87.6	(KG)			
D12		2097.6	(KG)			
D16		10293.1	(KG)			
D20		1621.6	(KG)			
D22		4398.3	(KG)			
D25		29757.8	(KG)			
				CONCRETE :	646.4 M3	

### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.

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	NAME K. Matsumoto	NAME K. Enomoto	INTERCHANGE 3 FLYOVER BRIDGE PIERS PIER 2 - REINFORCEMENT - SHEET 3	P3/BR8/0540
				SIGNATURE 	SIGNATURE 	SIGNATURE 		
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		

### QUANTITY TABLE OF PIERS

ITEMS	UNIT	PIER			TOTAL		
		P1	P2	P3			
PILE	NUMBER OF PILES	PILE	16	12	16	44	
	BORED PILES # 1500mm DIA. TOTAL LENGTH	m	912	684	912	2508	
	CONCRETE CLASS D	m <sup>3</sup>	1210.8	1009.0	1208.4	3428	
	REINFORCEMENT	D25	kg	40699.2	33916.0	40699.2	115314
		D22	kg	3802.8	3169.0	3802.8	10775
		D16	kg	400.8	334.0	400.8	1136
		D10	kg	10783.2	8986.0	10783.2	30552
TOTAL	kg	55686	46405	55686	157777		
PIER	CONCRETE CLASS E	m <sup>3</sup>	642.5	646.8	642.5	1932	
	REINFORCEMENT	D28	kg	9368.5	0	9368.5	18737
		D25	kg	22299	29757.8	22299	74356
		D22	kg	4398.3	4398.3	4398.3	13195
		D20	kg	3076.4	1621.6	3076.4	7774
		D16	kg	10558.8	10293.1	10558.8	31411
		D12	kg	2332.4	2097.6	2332.4	6762
		D10	kg	0	87.6	0	88
	TOTAL	kg	52033	48256	52033	152323	
	LEAN CONCRETE CLASS G	m <sup>3</sup>	15.4	15.8	15.4	47	
	BUILDING STONE	m <sup>3</sup>	30.9	31.6	30.9	93	
EXCAVATION	m <sup>3</sup>	1303	1154	1303	3759		
FILLING	m <sup>3</sup>	914	765	914	2593		

#### NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR8/0030.
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 3 FLYOVER BRIDGE PIERS QUANTITY TABLE OF PIERS	P3/BR8/0550
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		