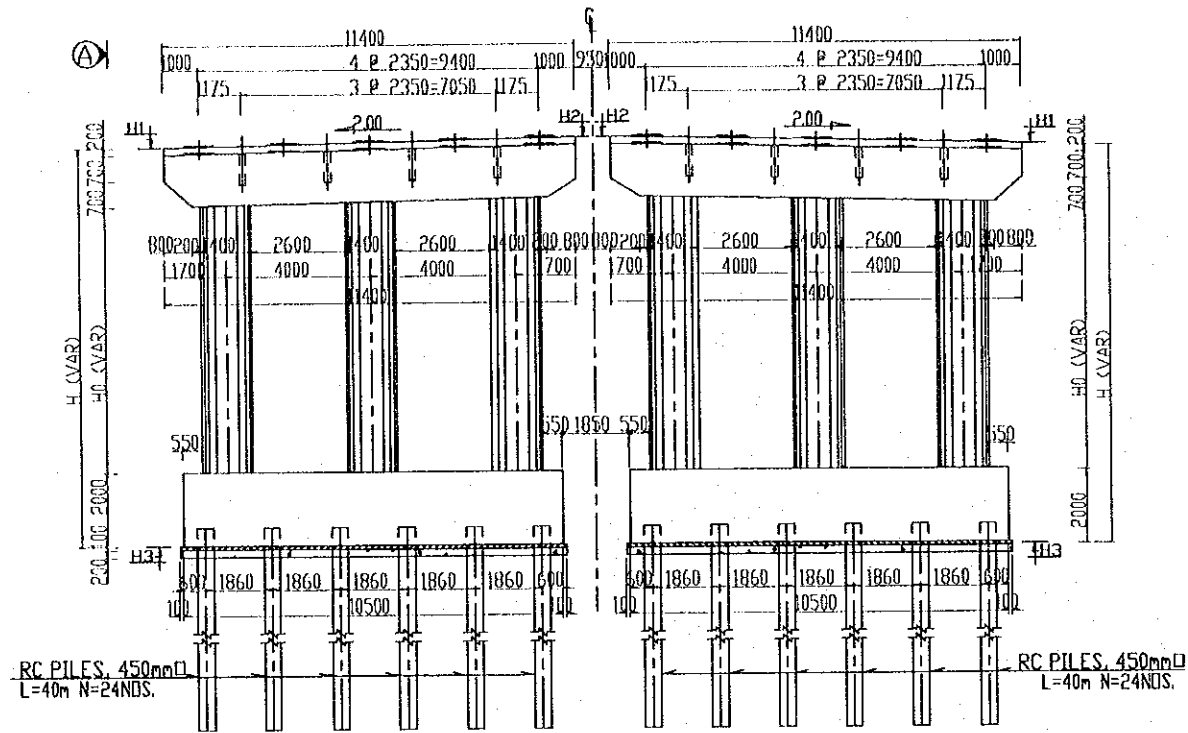


## **IV. PIERS**

# DETAILS OF PIERS P1,P4

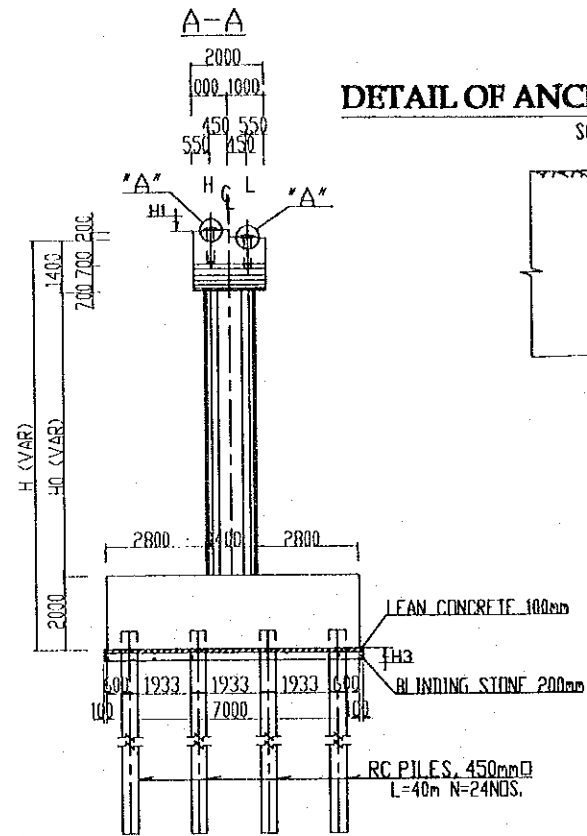
SCALE 1:200

## PIER ELEVATION



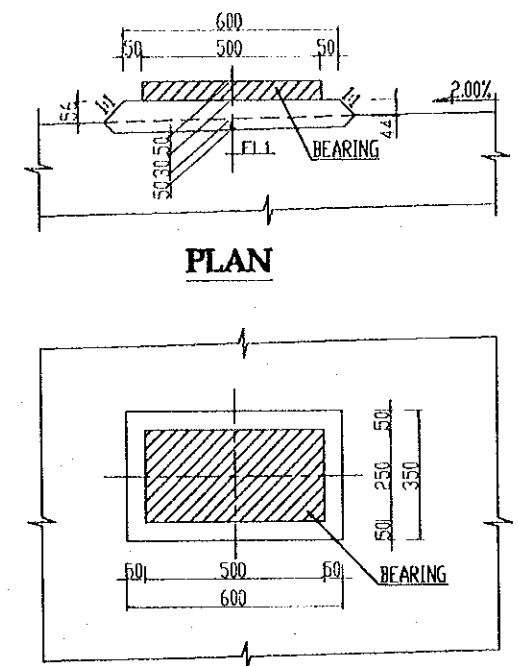
## DETAIL OF ANCHOR HOLE

SCALE 1:50



## DETAIL 'A'

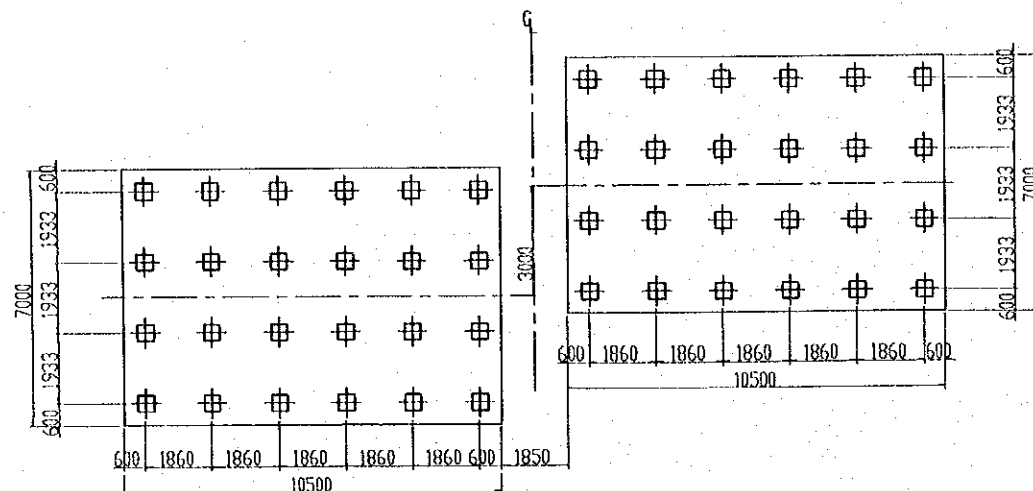
SCALE 1:20



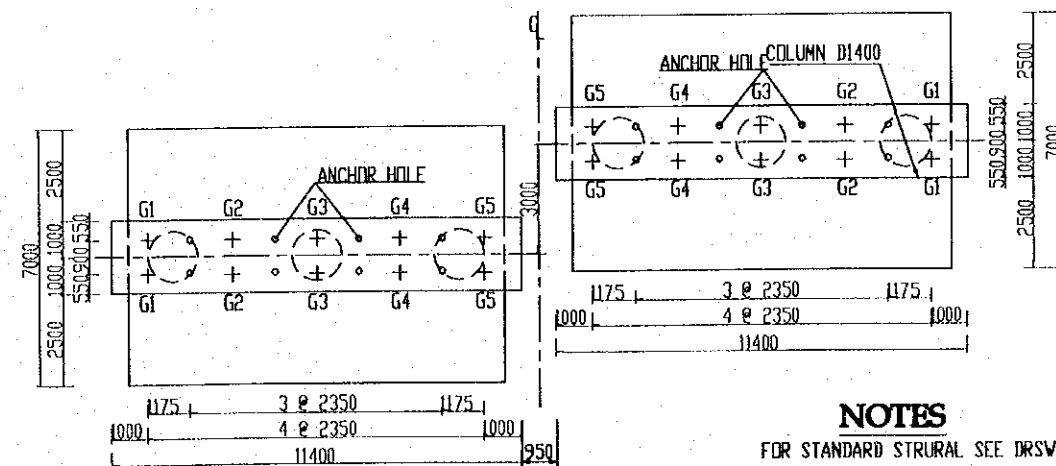
## TABLE OF DIMENSIONS

ELEVATIONS DIMENSIONS	PIER TYPE			
	PIW	P4W	PIE	P4E
PIER HEIGHT H0 (M)	4.10	4.10	4.10	4.10
PIER HEIGHT H (M)	7.70	7.70	7.70	7.70
ELEVATION H1 (M)	+6.51	+6.48	+6.48	+6.51
ELEVATION H2 (M)	+6.74	+6.71	+6.71	+6.74
ELEVATION H3 (M)	-1.19	-1.22	-1.22	-1.19
NUMBER OF PILE/LENGTH(M)	5/48	5/48	5/48	5/48

## PILE CAP-PLAN



## GIRDER BEARING SEAT-PLAN



## NOTES

FOR STANDARD STRURAL SEE DRAWING NIP3/BR6/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
				NAME	T. Kametani	K. Matsumoto		

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

NIPON KOEI CO., LTD.

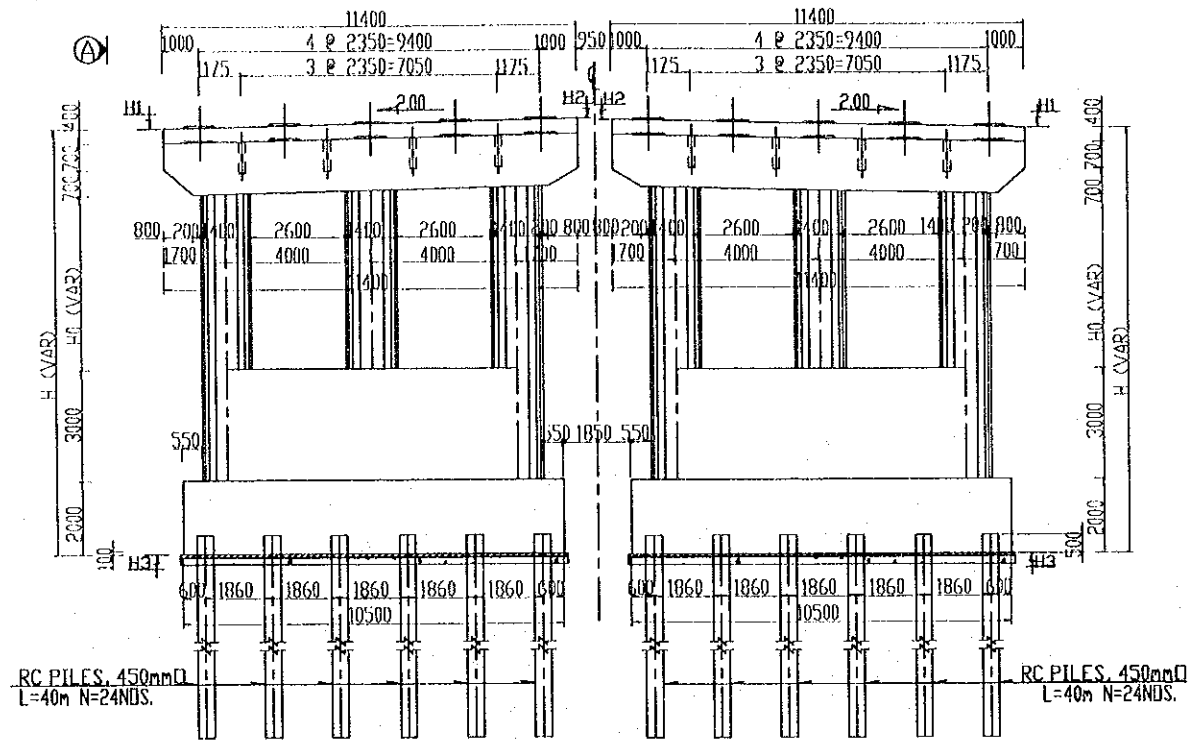
AP MY BRIDGE PIERS GENERAL VIEW OF PIERS P1&P4

P3/BR6/0450

# DETAILS OF PIERS P2,P3

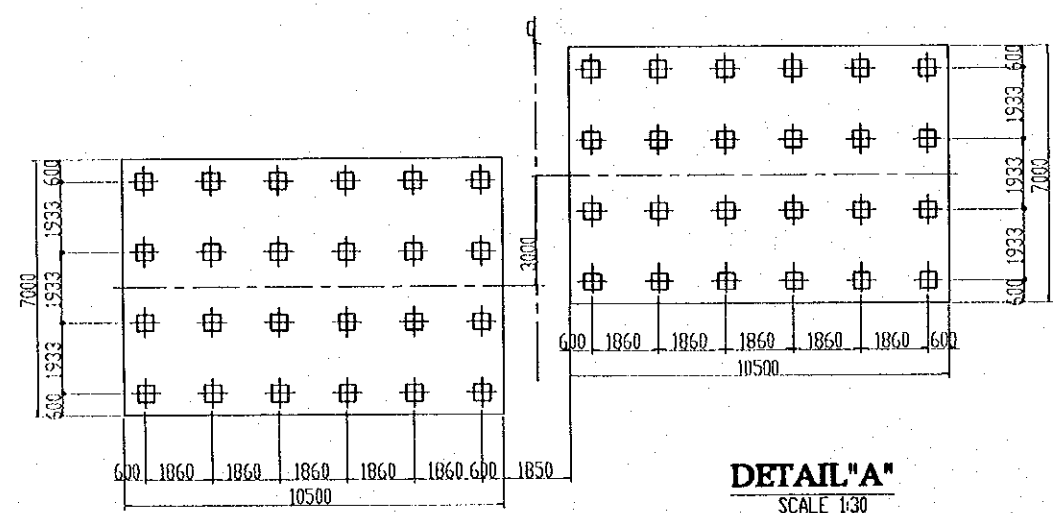
SCALE 1:200

## PIER ELEVATION

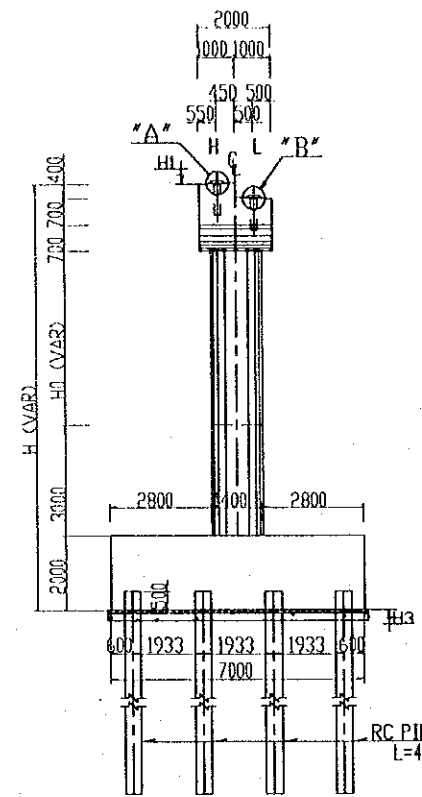


RC PILES, 450mm $\square$   
L=40m N=24NDS.

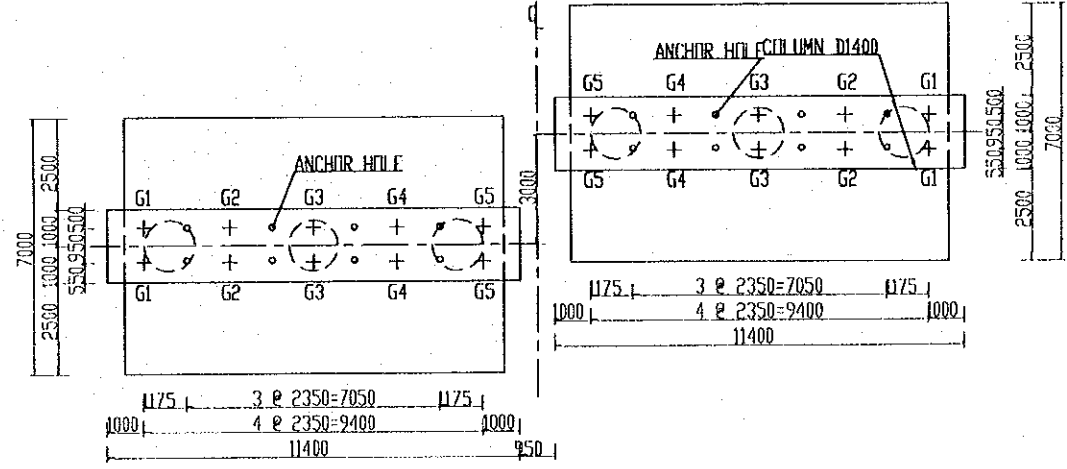
## PILE CAP-PLAN



## A-A



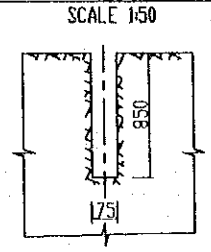
## GIRDER BEARING SEAT-PLAN



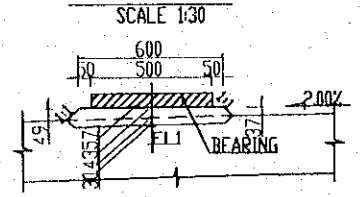
## TABLE OF DIMENSIONS

DIMENSIONS	PIER TYPE			
	P2W	P3W	P2E	P3E
PIER HEIGHT H0 (M)	4.70	4.70	4.70	4.70
PIER HEIGHT H (M)	11.50	11.50	11.50	11.50
ELEVATION H1 (M)	+6.70	+6.68	+6.48	+6.70
ELEVATION H2 (M)	+6.93	+6.91	+6.91	+6.93
ELEVATION H3 (M)	-4.80	-4.82	-4.82	-4.80
NUMBER OF PILE/LENGTH(M)	5/45	5/45	5/45	5/45

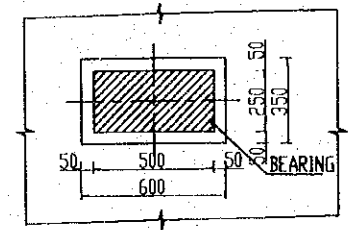
## DETAIL OF ANCHOR HOLE



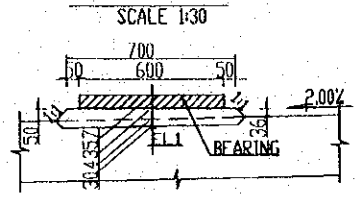
## DETAIL "A"



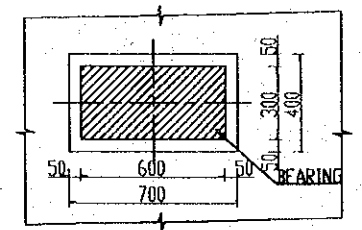
## PLAN



## DETAIL "B"



## PLAN



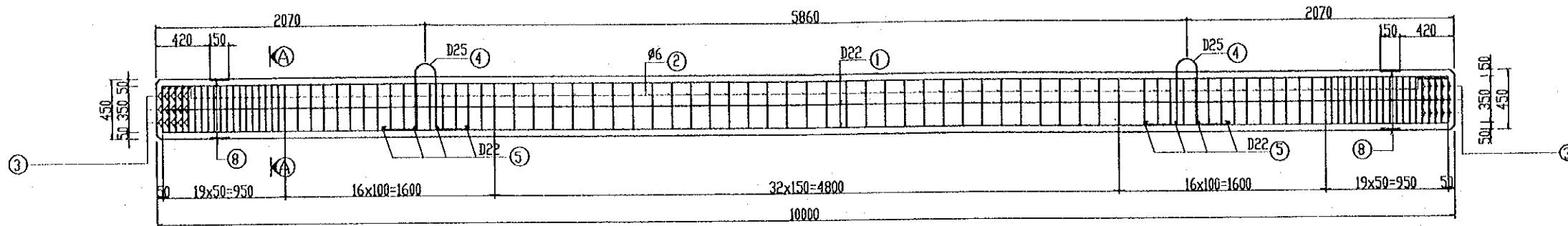
## NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/BR6/0030

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 KOHI CO.,LTD.	PREPARED BY NAME: T. Kametani	CHECKED BY NAME: K. Matsumoto	APPROVED BY NAME: K. Enomoto	DRAWING TITLE AP MY BRIDGE PIERS GENERAL VIEW OF PIERS P2&P3	DWG NO. P3/BR6/0460
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

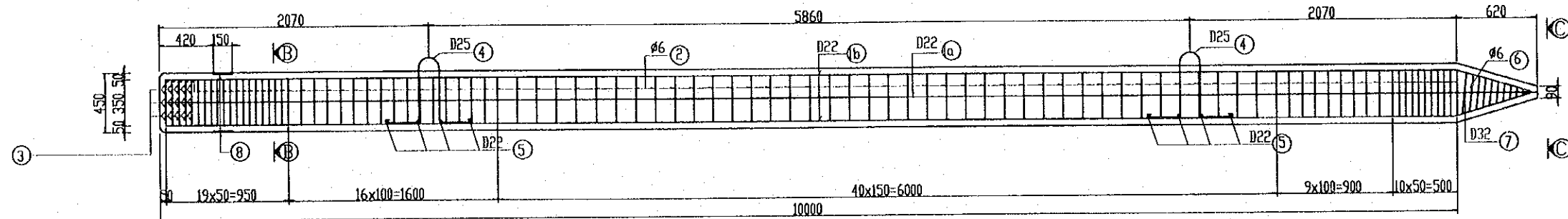
**R.C.PILE-1 L=10M**

SCALE 1:40



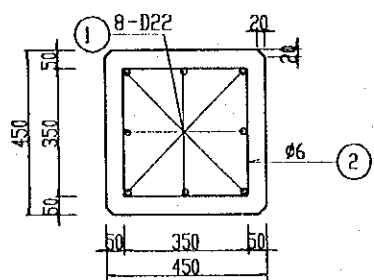
**R.C.PILE-2 L=10M**

SCALE 1:40



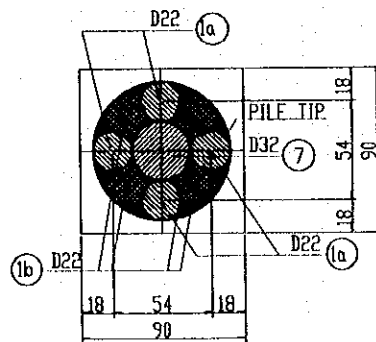
**A-A**

SCALE 1:20



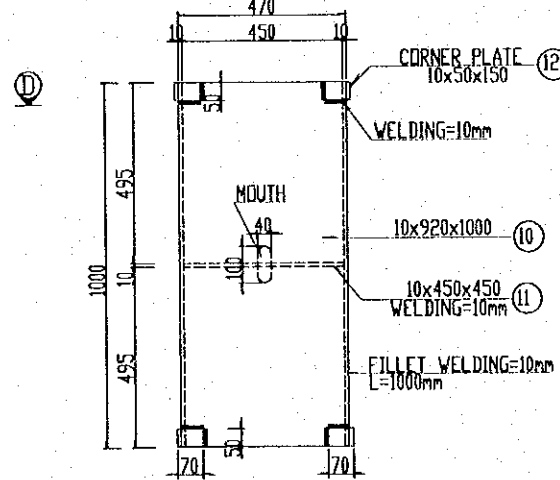
**C-C**

SCALE 1:4



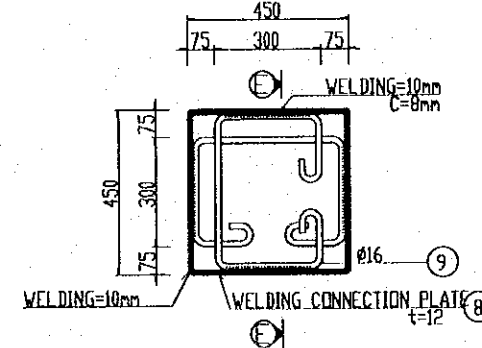
**CONPLING BOX**

SCALE 1:20



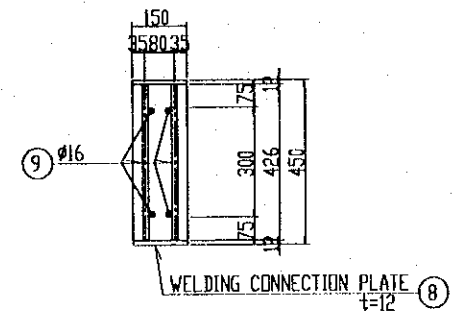
**WELDING CONNECTION PLATE**

SCALE 1:20



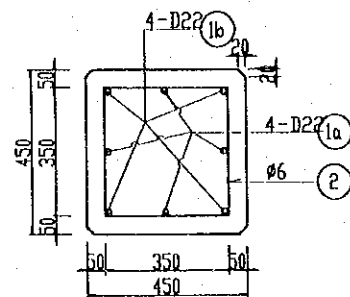
**E-E**

SCALE 1:20



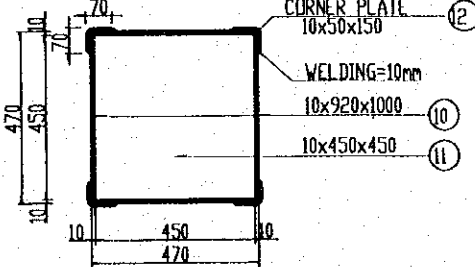
**B-B**

SCALE 1:20



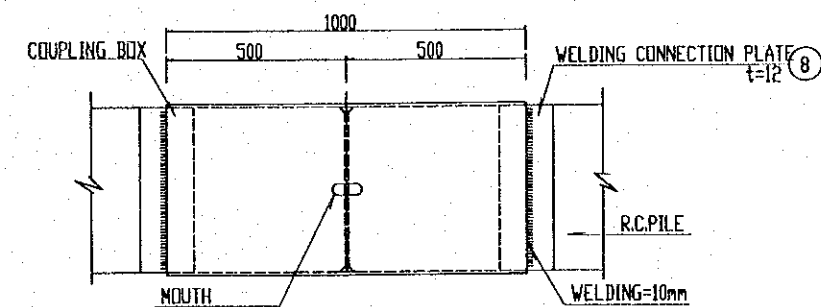
**D-D**

SCALE 1:20



**ELEVATION**

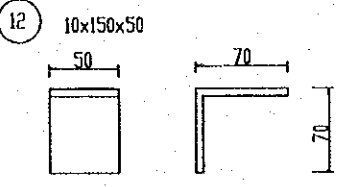
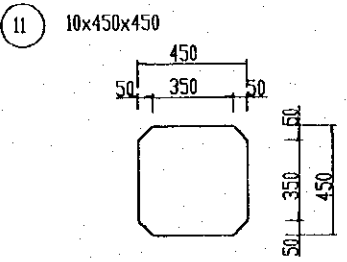
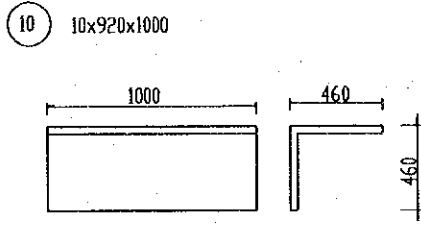
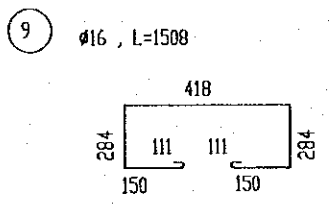
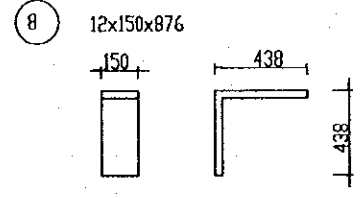
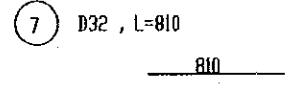
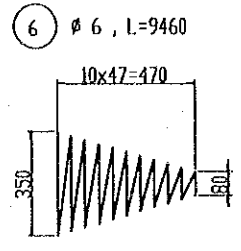
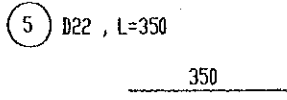
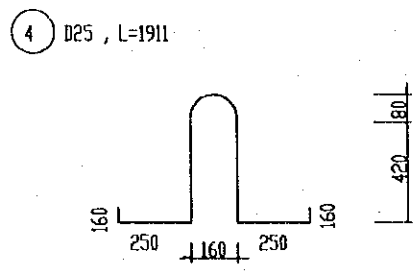
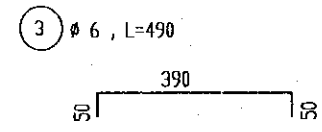
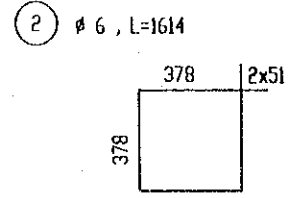
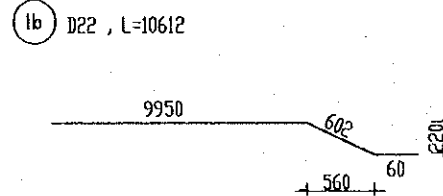
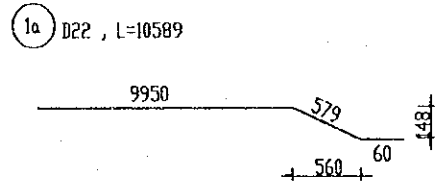
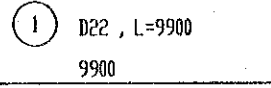
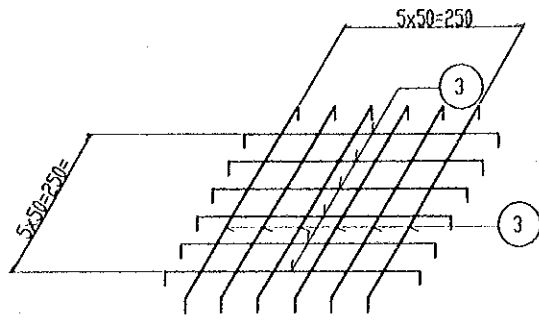
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**MARKING**



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	AP MY BRIDGE PIERS PIERS P1-P4-RC PILEU450-L=40.0m-SHEET 1	F3/BB6/0470
				NAME	SIGNATURE	DATE		
				T. Kametani	K. Matsumoto	20/9/2000		
						29/9/2000		
						5/10/2000		



LIST OF REINFORCEMENT

	SIGN	DIACETER mm	UNIT WEIGHT kg/m	LENGTH mm	NOS.	TOTAL LENGTH m	TOTAL WEIGHT kg	
R.C.PILE-1 10M	1	22	2.984	9900	8	79.2	236.0	
	2	6	0.222	1614	95	153.33	34.0	
	3	6	0.222	490	120	44.6	13.1	
	4	25	3.853	1911	2	3.82	14.7	
	5	22	2.625	350	8	2.80	8.3	
	8	12x150x876	12.378		2		24.8	
	9	16	1.579	1508	8	12.06	19.0	
	1. TOTAL				349.9	kg		
	ϕ6				47.1	kg		
D16				19.0	kg			
D22				244.3	kg			
D25				14.7	kg			
12x150x876				24.8	kg			
2. CONCRETE M300				2.0	m <sup>3</sup>			
R.C.PILE-2 10M	1a	22	2.984	10589	4	42.36	126.4	
	1b	22	2.984	10612	4	42.45	126.8	
	2	6	0.222	1614	95	153.33	34.0	
	3	6	0.222	490	60	29.40	6.5	
	4	25	3.853	1911	2	3.82	14.7	
	5	22	2.984	350	8	2.80	8.3	
	6	6	0.222	9460	1	9.46	2.1	
	7	32	6.313	810	1	0.81	5.1	
	8	12x150x876	12.378		2		24.8	
9	16	1.579	1508	4	6.03	9.5		
1. TOTAL				358.2	kg			
ϕ6				42.6	kg			
D16				9.5	kg			
D22				261.5	kg			
D25				14.7	kg			
D32				5.1	kg			
12x150x876				24.8	kg			
2. CONCRETE M300				2.0	m <sup>3</sup>			
COUPLING BOX	10	10x920x1000	72.220		2		144.4	
	11	10x450x450	15.896		1		15.9	
	12	10x50x150	0.589		8		4.7	
TOTAL							165.0	

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	AP MY BRIDGE PIERS PIERS P1~P4-RC PILE(450-L=40.0m-SHEET 2	P3/BR6/0480
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

# BAR ARRANGEMENT OF PIER

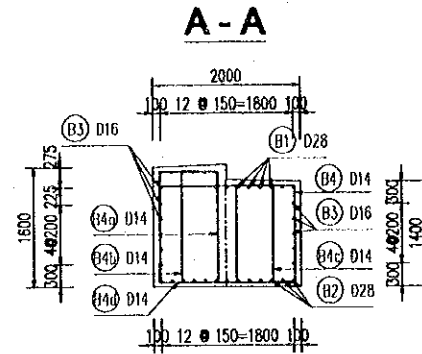
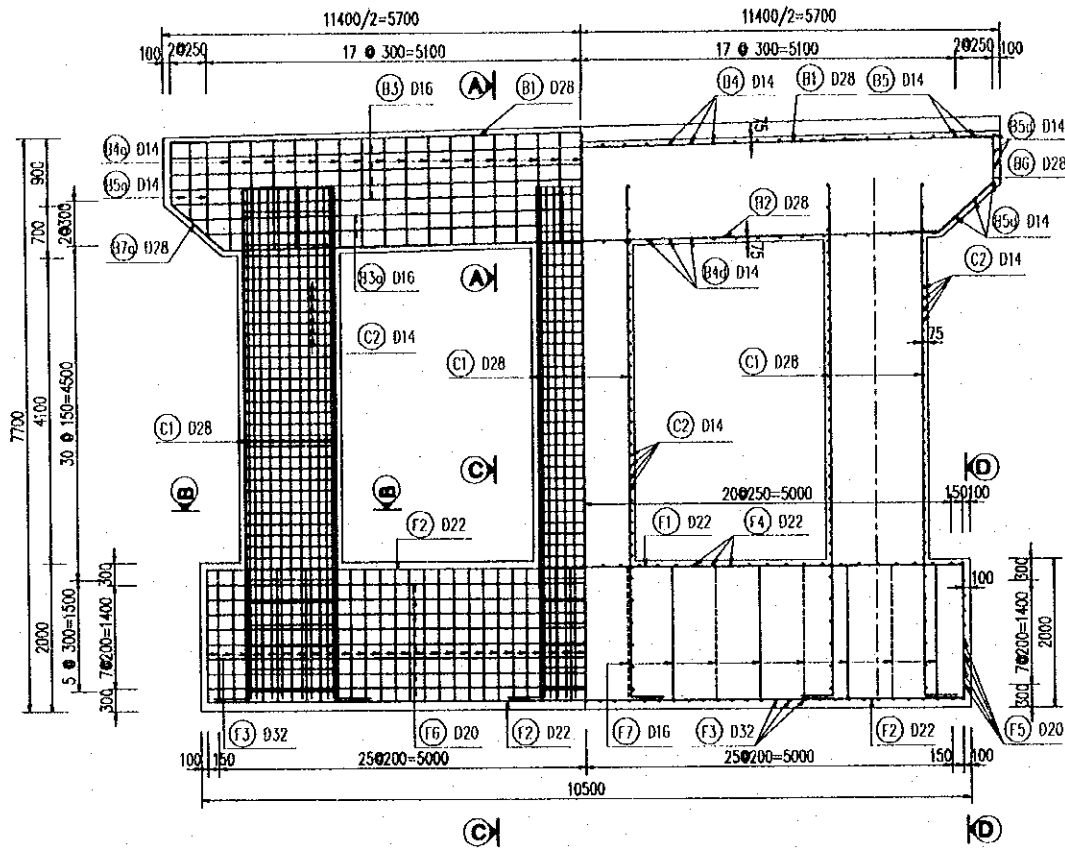
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# REINFORCING SHOES

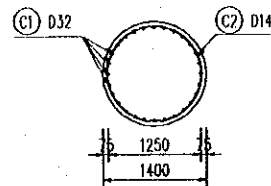
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# G - G

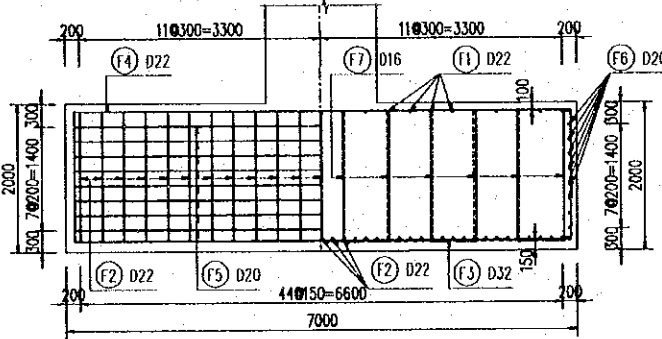
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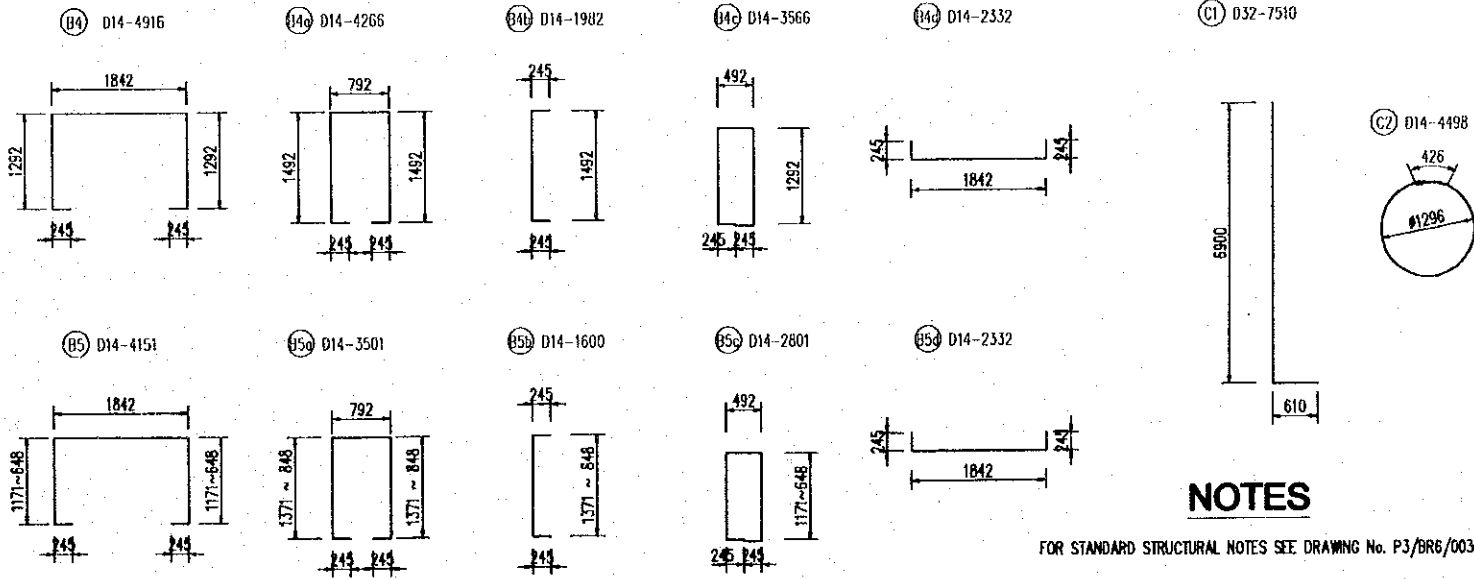
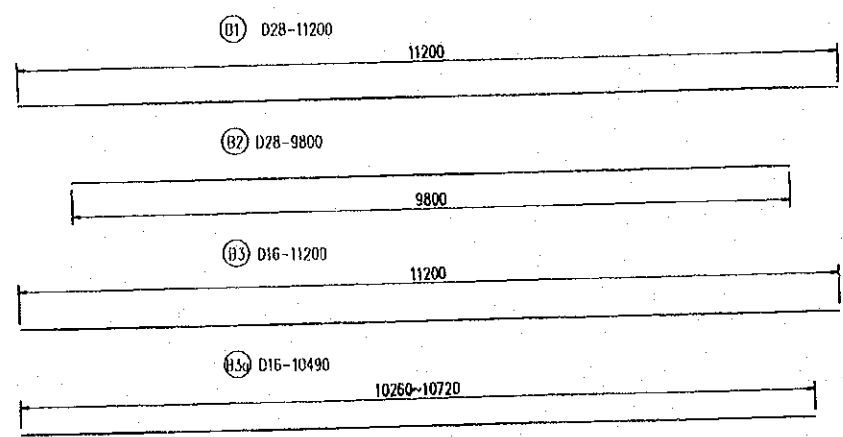
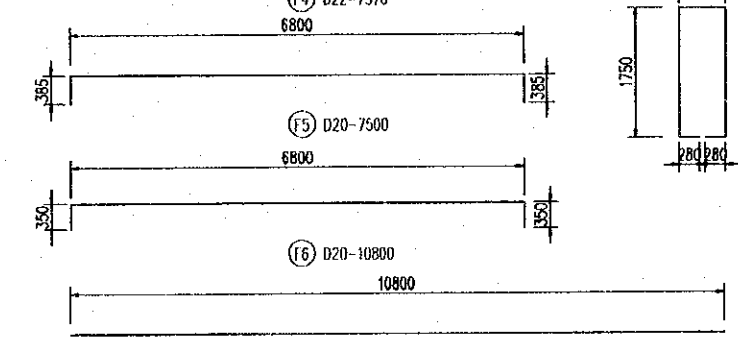
## B - B



## 1/2D - D



## 1/2C - C



## NOTES





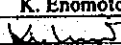
FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/BR6/0030

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	BAR ARRANGEMENT OF PIER P1&P4-SHEET 1	F3/BR6/0490
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

## LIST OF REINFORCING BARS OF PIER 1 & PIER 4

(FOR ONE DIRECTION)

DETAIL	No	DIAMETER (mm)	LENGTH (mm)	QUANTITY	UNITWEIGHT (Kg/m)	TOTALSTEEL (Kg)
PIER CAP	R1	10	4500	10	0.617	27.8
	B1	28	11200	14	4.834	758.0
	B2	28	9800	13	4.834	615.9
	B3	16	11200	9	1.578	159.1
	B3A	16	10490	4	1.578	68.2
	B4	14	4916	49	1.208	291.0
	B4A	14	4266	49	1.208	252.5
	B4B	14	1982	49	1.208	117.3
	B4C	14	3566	49	1.208	211.1
	B4D	14	2332	49	1.208	138.0
	B5	14	4151	8	1.208	40.1
	B5A	14	3501	8	1.208	33.8
	B5B	14	1600	6	1.208	11.6
	B5C	14	2801	6	1.208	20.3
	B5D	14	2332	14	1.208	39.4
	B6	28	3393	7	4.834	114.8
	B6A	28	3793	5	4.834	91.7
	B7	28	3377	7	4.834	114.3
	B7A	28	3777	5	4.834	91.3
	COLUMN	C1	32	7510	84	6.313
C2		14	4498	114	1.208	619.4
FOOTING	F1	22	11070	25	2.984	825.8
	F2	22	14587	47	2.984	2045.8
	F3	32	10300	53	6.313	3446.5
	F4	22	7570	43	2.984	971.3
	F5	20	7500	16	2.466	295.9
	F6	20	10800	16	2.466	426.2
	F7	16	4698	94	1.578	697.0
TOTAL		D10		21.7	(Kg)	
		D14		1774.5	(Kg)	
		D16		922.3	(Kg)	
		D20		722.1	(Kg)	
		D22		3842.9	(Kg)	
		D28		1786.0	(Kg)	
		D32		7428.8	(Kg)	
		TOTAL		16504.2	(Kg)	

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 AP MY BRIDGE PIERS LIST OF REINFORCEMENT OF PIER P1& P4-SHEET 2	DWG NO. P3/BR6/0500	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE					
DATE	20/9/2000	29/9/2000	5/10/2000						

# BAR ARRANGEMENT OF PIER

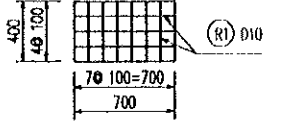
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# REINFORCING SHOES

(SCALE 1:20)

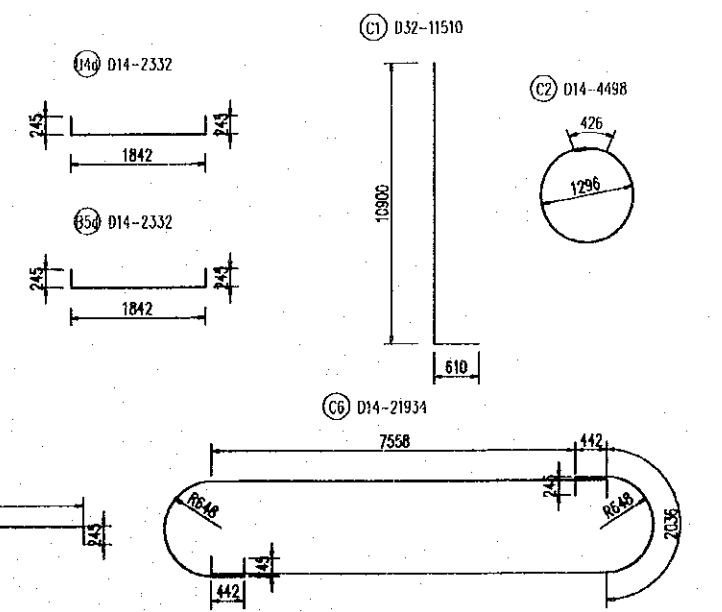
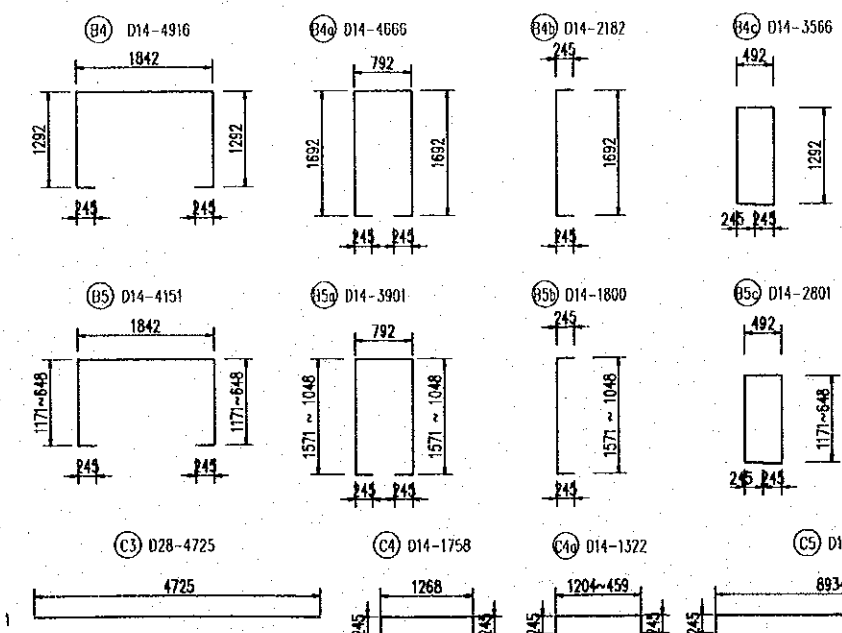
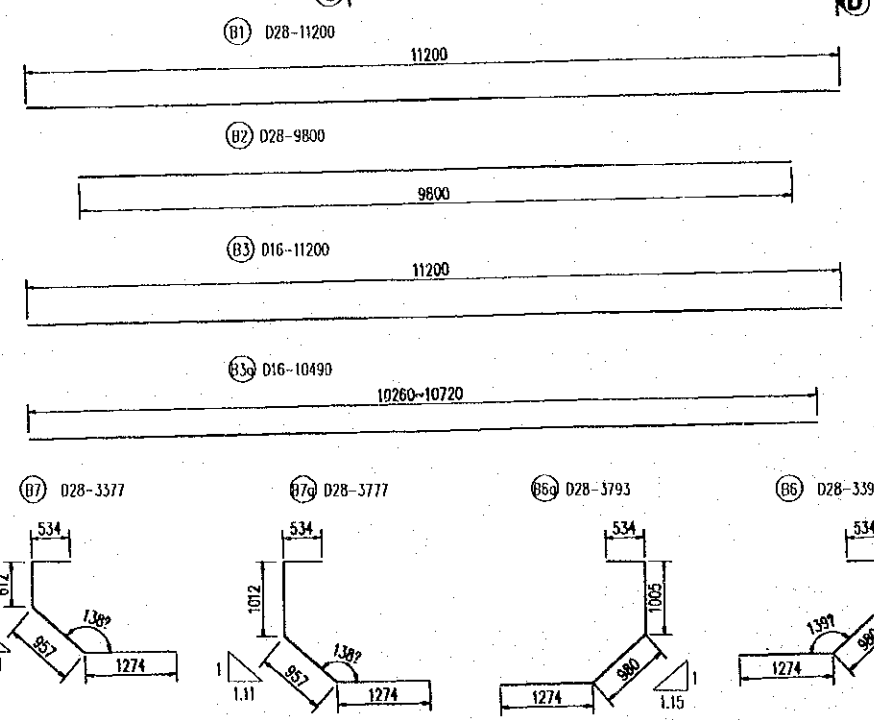
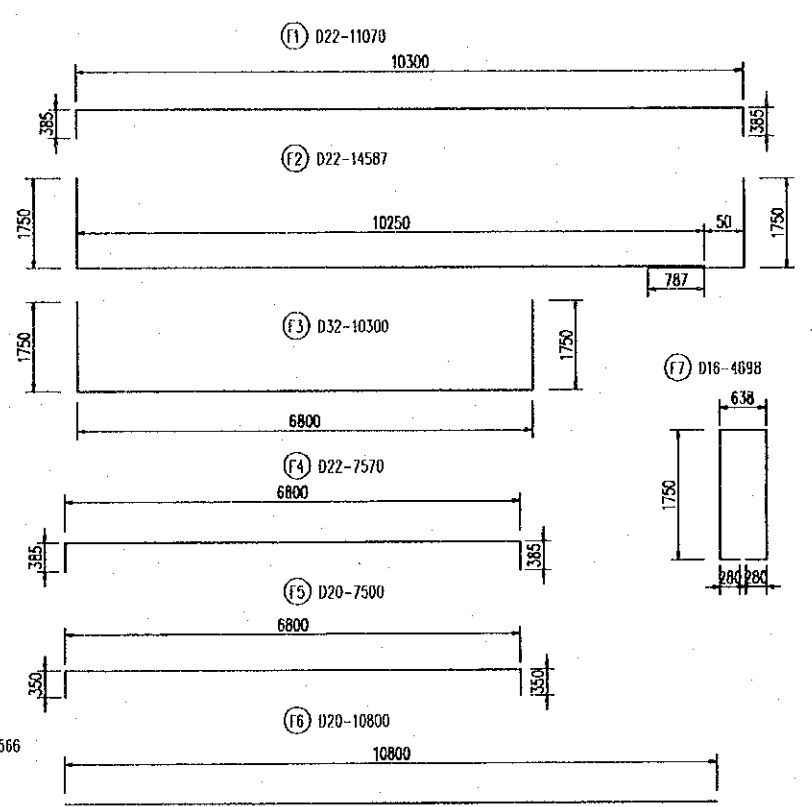
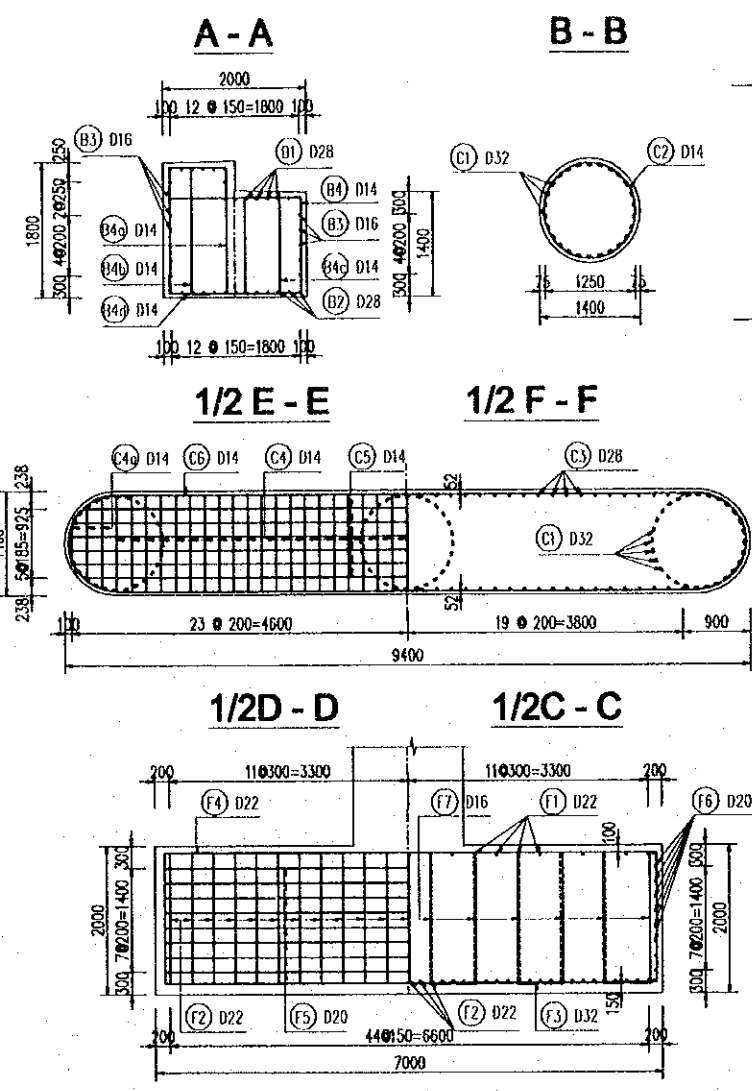
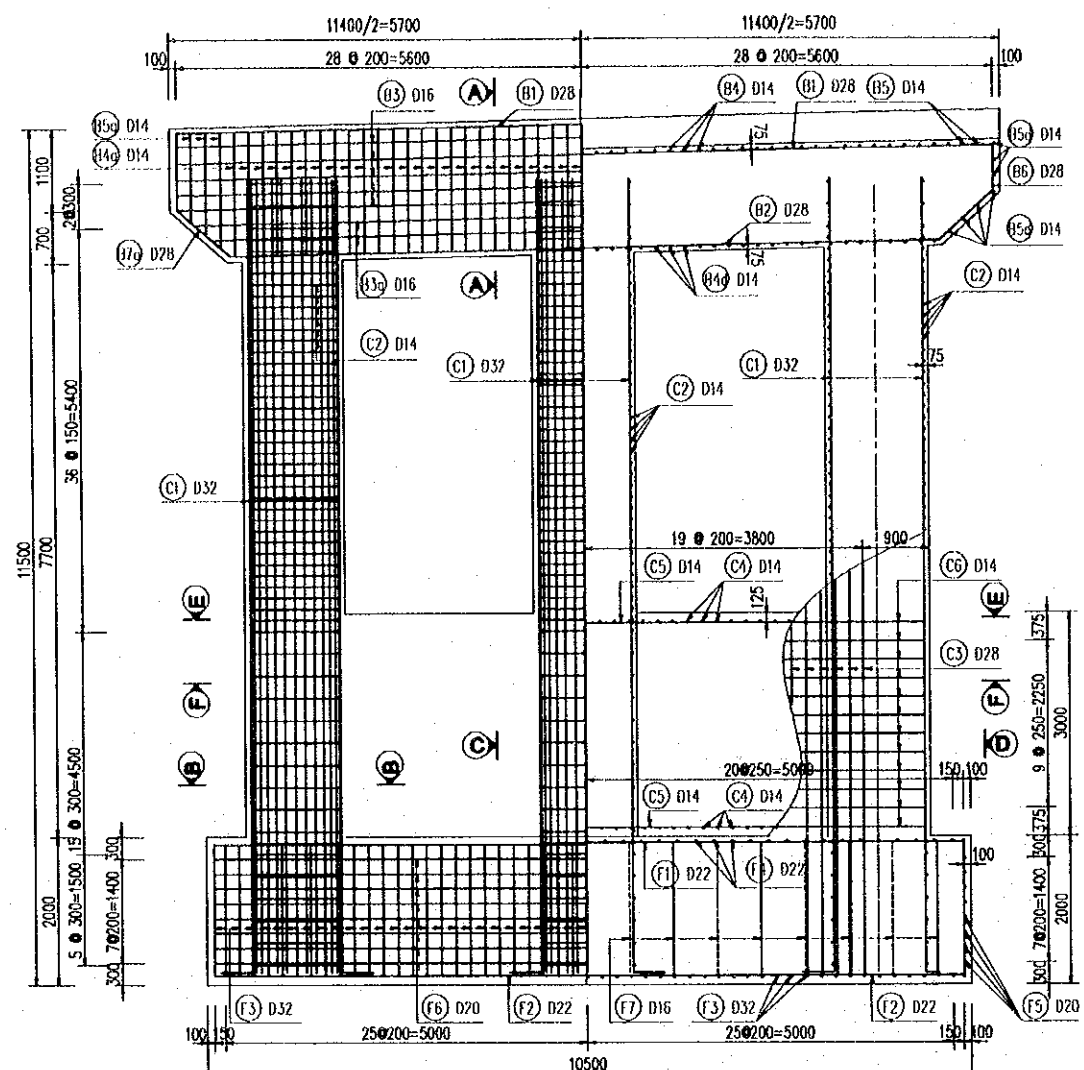
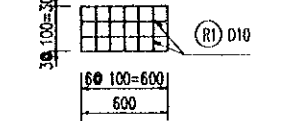
## G-G

(SCALE 1:50)



## H-H

(SCALE 1:50)



### NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/PR8/0030



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 KOBEI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	AP MY BRIDGE PIERS BAR ARRANGEMENT OF PIER P2&P3-SHEET 1	P3/PR6/0510
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



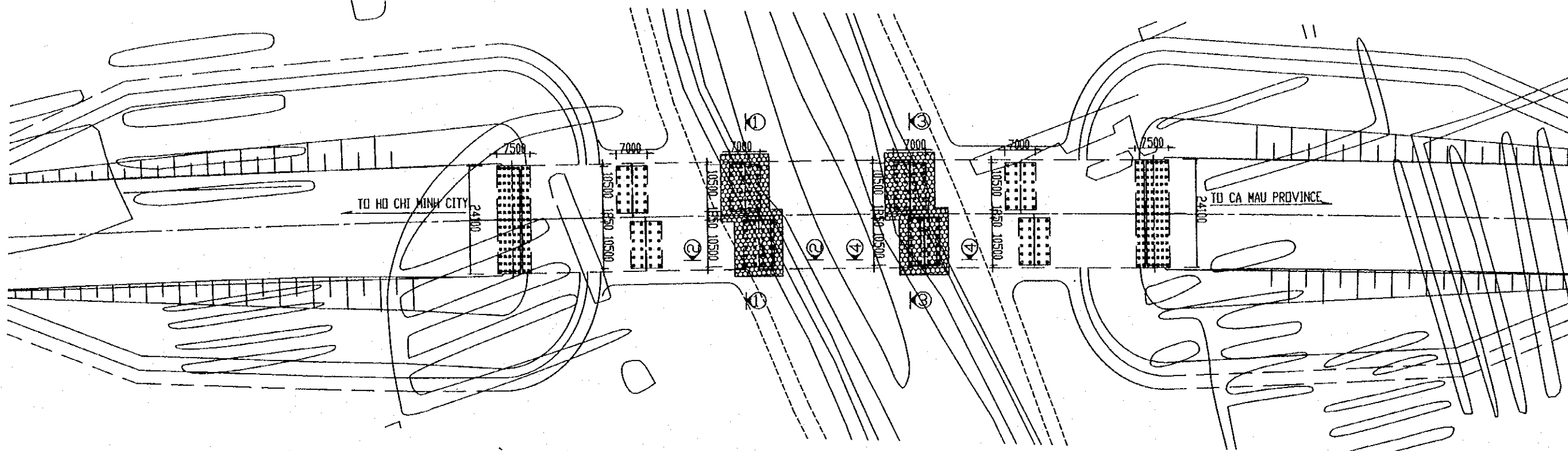
## LIST OF REINFORCING BARS OF PIER 1 & PIER 4

(FOR ONE DIRECTION)

DETAIL	No	DIAMETER (mm)	LENGTH (mm)	QUANTITY	UNITWEIGHT (Kg/m)	TOTALSTEEL (Kg)
PIER CAP	R1	10	4500	10	0.617	27.8
	B1	28	11200	14	4.834	758.0
	B2	28	9800	13	4.834	615.9
	B3	16	11200	9	1.578	159.1
	B3A	16	10490	4	1.578	66.2
	B4	14	4916	49	1.208	291.0
	B4A	14	4266	49	1.208	252.5
	B4B	14	1982	49	1.208	117.3
	B4C	14	3566	49	1.208	211.1
	B4D	14	2332	49	1.208	138.0
	B5	14	4151	8	1.208	40.1
	B5A	14	3501	8	1.208	33.8
	B5B	14	1600	6	1.208	11.6
	B5C	14	2801	6	1.208	20.3
	B5D	14	2332	14	1.208	39.4
	B6	28	3393	7	4.834	114.8
	B6A	28	3793	5	4.834	91.7
	B7	28	3377	7	4.834	114.3
B7A	28	3777	5	4.834	91.3	
COLUMN	C1	32	7510	84	6.313	3982.5
	C2	14	4498	114	1.208	619.4
FOOTING	F1	22	11070	25	2.984	825.8
	F2	22	14587	47	2.984	2045.8
	F3	32	10300	53	6.313	3446.5
	F4	22	7570	43	2.984	971.3
	F5	20	7500	16	2.466	295.9
	F6	20	10800	16	2.466	426.2
	F7	16	4698	94	1.578	697.0
TOTAL		D10	27.7		(Kg)	
		D14	1774.5		(Kg)	
		D16	922.3		(Kg)	
		D20	722.1		(Kg)	
		D22	3842.9		(Kg)	
		D28	1786.0		(Kg)	
		D32	7428.8		(Kg)	
	TOTAL	16504.2		(Kg)		

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	AP MY BRIDGE PIERS LIST OF REINFORCEMENT OF PIER P1 & P4-SHEET 2	P3/BR6/0520

PLAN  
(SCALE 1000)

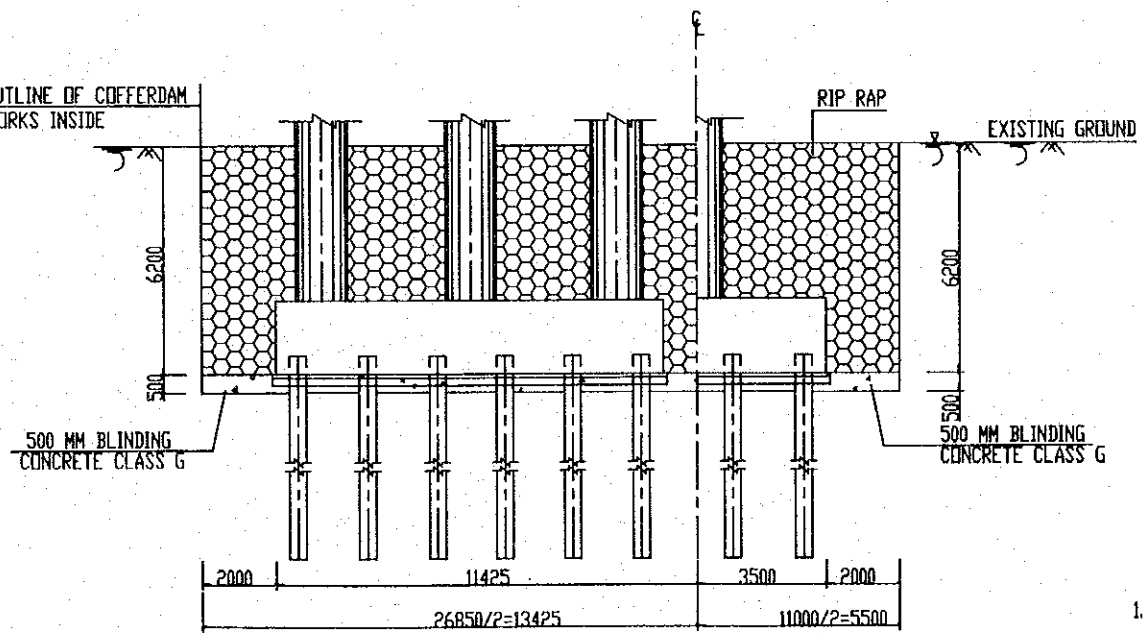
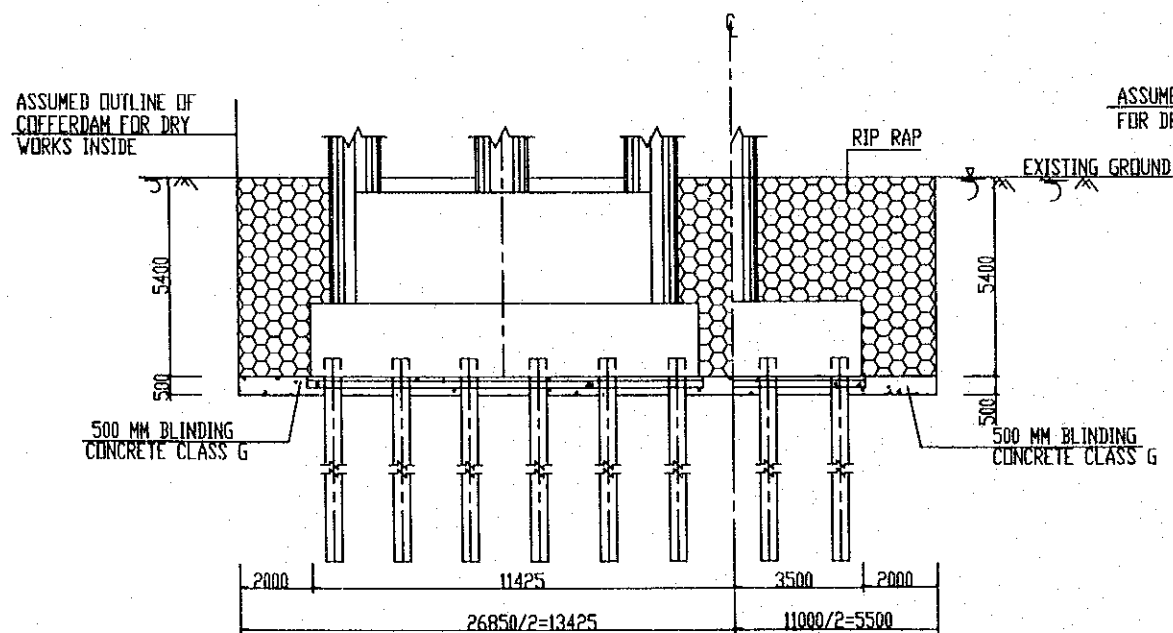


HALF SECTION 1-1

HALF SECTION 2-2  
(SCALE 1:200)

HALF SECTION 3-3

HALF SECTION 4-4  
(SCALE 1:200)



NOTES

- 1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NIP3/BR6/0030
- 2. BLINDING CONCRETE CLASS G : 280.6 M<sup>3</sup>
- 3. RIP RAP : 2686.2 M<sup>3</sup>

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	AP MY BRIDGE PIERS PIERS PROTECTION	P3/BR6/0530
				SIGNATURE <i>T. Kametani</i>	<i>K. Matsumoto</i>	<i>K. Enomoto</i>		
				DATE 20/9/2000	29/9/2000	5/10/2000		

## QUANTITY TABLE OF PIER

(Per One Direction)

Items		Unit	Pier 1	Pier 2	Pier 3	Pier 4	Total	
Pile	Number of piles	Pile	24	24	24	24	96	
	Total length rc piles Ø450mm	m	960.0	960.0	960.0	960.0	3840.0	
	Concrete piles class "D"	m <sup>3</sup>	195.2	195.2	195.2	195.2	780.8	
	Reinforcement	Ø 6	kg	4413.6	4413.6	4413.6	4413.6	17654.4
		D16	kg	1596.0	1596.0	1596.0	1596.0	6384.0
		D22	kg	23865.6	23865.6	23865.6	23865.6	95462.4
		D25	kg	1411.2	1411.2	1411.2	1411.2	5644.8
		D28	kg	0.0	0.0	0.0	0.0	0.0
		D32	kg	122.4	122.4	122.4	122.4	489.6
	Total		kg	31408.8	31408.8	31408.8	31408.8	125635.2
Pier	Concrete class "E"	m <sup>3</sup>	397.0	483.5	483.5	397.0	1761.1	
	Lean concrete class "G"	m <sup>3</sup>	11.9	0.0	0.0	11.9	23.7	
	Blinding stone	m <sup>3</sup>	23.7	0.0	0.0	23.7	47.5	
	Reinforcement	D10	kg	27.8	34.6	34.6	27.8	124.8
		D14	kg	1774.5	3245.0	3245.0	1774.5	10039.0
		D16	kg	922.2	920.8	920.8	922.2	3686.0
		D20	kg	722.0	722.0	722.0	722.0	2888.0
		D22	kg	3842.9	3842.9	3842.9	3842.9	15371.6
		D28	kg	1789.8	1786.0	1786.0	1789.8	7151.6
		D32	kg	7428.8	15653.6	15653.6	7428.8	46164.8
		Total		kg	16508.0	26204.9	26204.9	16508.0
	Form	Curve	m <sup>2</sup>	110.3	152.5	152.5	110.3	525.7
		Flat	m <sup>2</sup>	256.0	352.4	352.4	256.0	1216.9
	Scaffolding work	H < 4m	m <sup>2</sup>	254.4	254.4	254.4	254.4	1017.6
		4m ≤ H < 30m	m <sup>2</sup>	229.7	455.8	455.8	229.7	1370.9
	Support		m <sup>3</sup>	120.4	224.1	224.1	120.4	688.9
	Earth work	Excavation for foundation	m <sup>3</sup>	985.5	1180.1	1643.9	967.5	4777.0
		Blinding Concrete class "G"	m <sup>3</sup>	0.0	59.4	59.4	0.0	118.7
		Rip rap	m <sup>3</sup>	0.0	807.8	1256.0	0.0	2063.8
		Back fill	m <sup>3</sup>	650.6	0.0	0.0	633.0	1283.6
Cofferdams	Sheet pile Larsen IV	m	0.0	2328.0	2328.0	0.0	4656.0	
	Steel pile I 400	m	0.0	480.0	480.0	0.0	960.0	
	Brace C 300	m	0.0	299.1	299.1	0.0	598.2	

### NOTES:

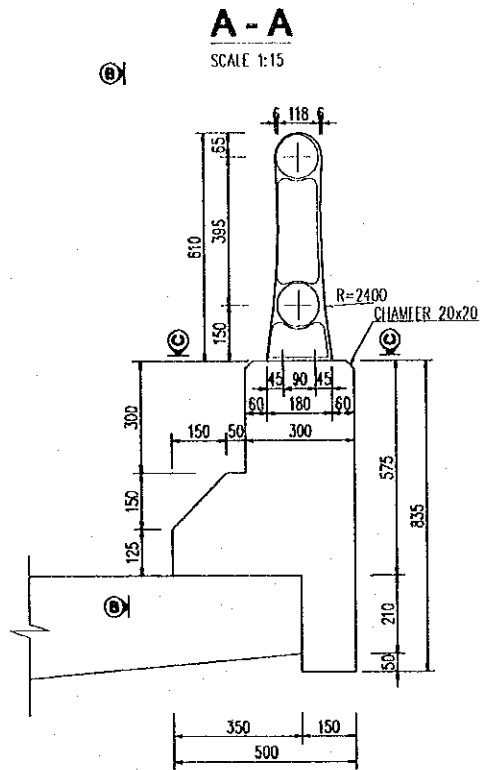
- 1- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR6/0030.
- 2- QUANTITY OF PILE CONCRETE IN THE TABLE DOES NOT INCLUDE THE VOLUME OF TRIMMING OUT OF THE PILE HEAD.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY			DRAWING TITLE	DWG NO.	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>			<i>[Signature]</i>
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 KOBEL CO.,LTD.	DATE	20/9/2000	29/9/2000	5/10/2000	AP MY BRIDGE PIERS QUANTITY TABLE OF PIER P3/BR6/0540	

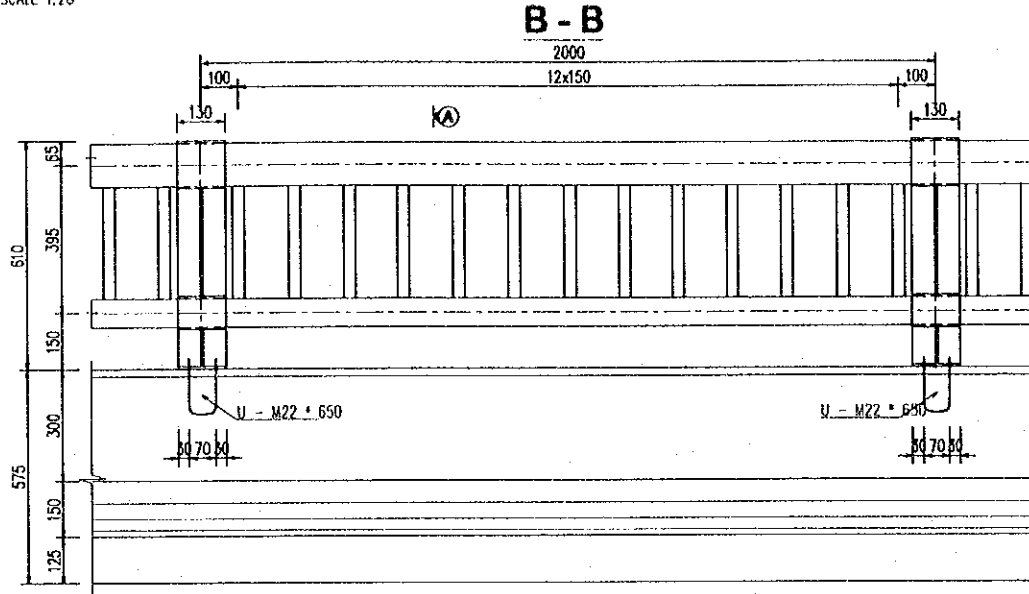
# V. MISCELLANEOUS

# DETAIL OF PARAPET AND RAILING

SCALE 1:20

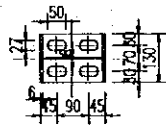


**A - A**  
SCALE 1:15



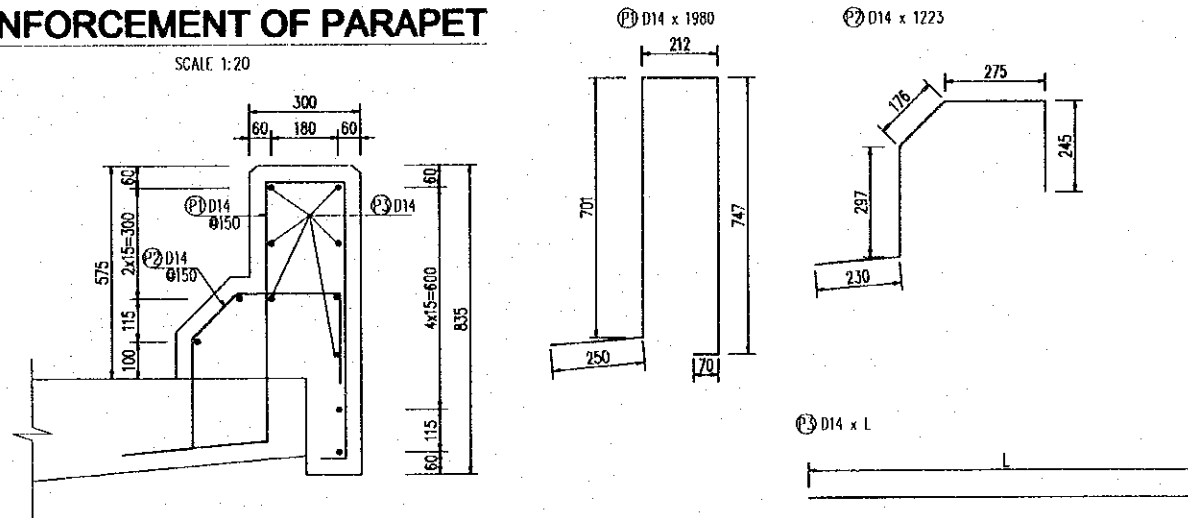
**B - B**

**C - C**



## REINFORCEMENT OF PARAPET

SCALE 1:20



### NOTES:

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BRG/0030.
- UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANISED FOLLOWED BY SPECIFICATION PAINT PROTECTION SYSTEM.

### 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	SIK-400	19.5	10	M	195.0	
BOTTOM RAIL	76.3*2.5T	SIK-400	5.77	10	M	57.7	
CONNECTION	490*300	SIK-400	2.13	1.67	EACH	3.6	
	67.5*300	SIK-400	1.4	1.67	EACH	2.3	
ANCHO BOLT	M22-650	SS-400	2.9	20	EACH	58.0	
VERTICAL MEMBER	FB6*32*300	SS-400	2.09	65	EACH	135.9	

### LIST OF REINFORCEMENT OF PARAPET (PER 10M LONG)

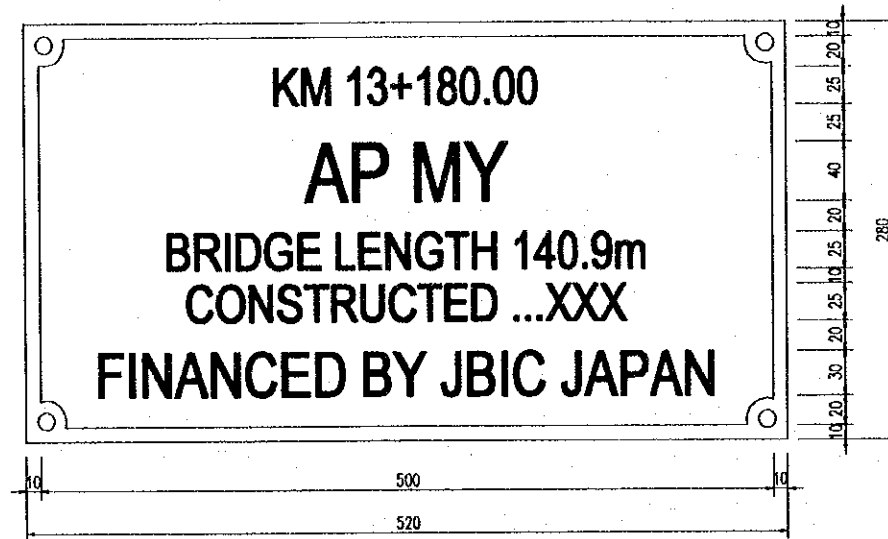
NAME	DIAMETER (mm)	LENGTH (mm)	NUMBER	U. WEIGHT (kg/m)	WEIGHT (kg)
P1	14	1980	68	1,208	162.7
P2	14	1223	68	1,208	100.5
P3	14	10000	11	1,208	132.9
D14 CONCRETE				396.1	kg
				2.55	m <sup>3</sup>

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	(NHK) 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	AP MY BRIDGE SUPERSTRUCTURE DETAILS OF PARAPET AND RAILINGS	F3/BR6/0550

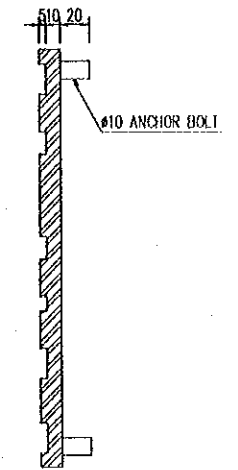
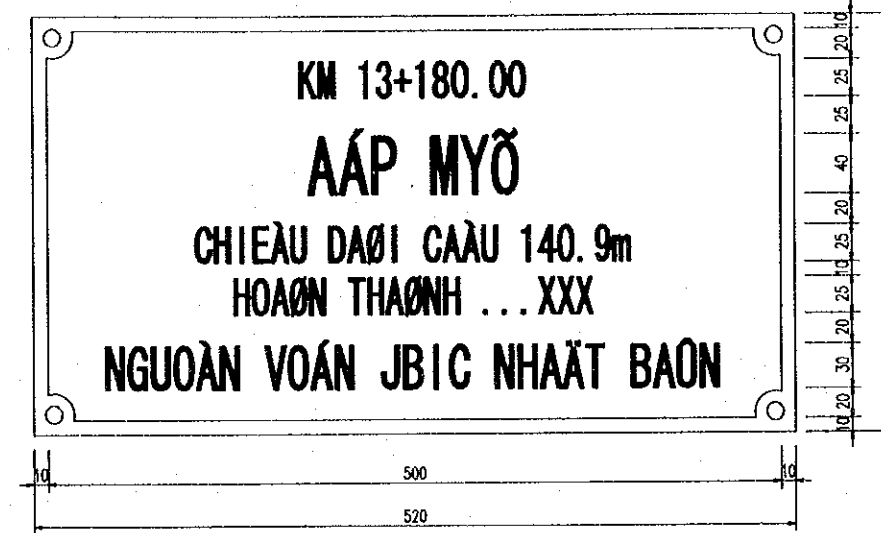
## DETAIL OF BRIDGE NAME PLAQUE

SCALE 1:5

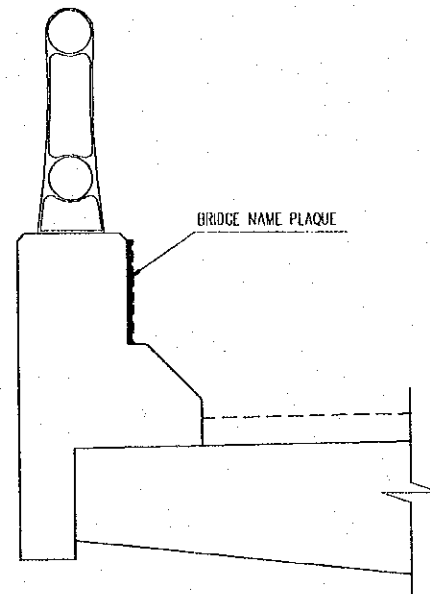
DETAIL 1



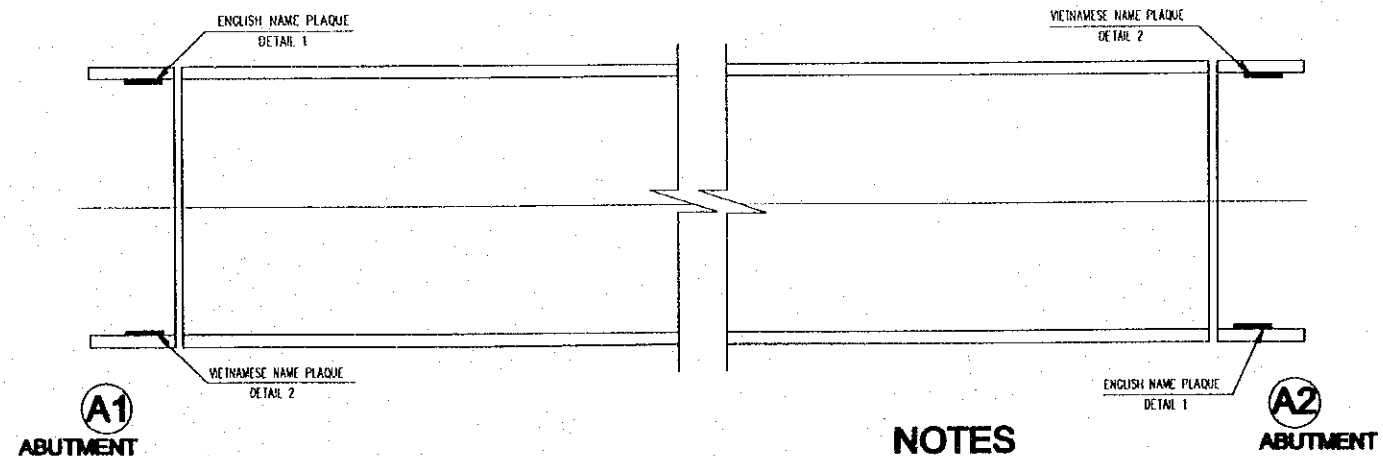
DETAIL 2



### LOCATION OF NAME PLAQUE



### PLAN



### NOTES

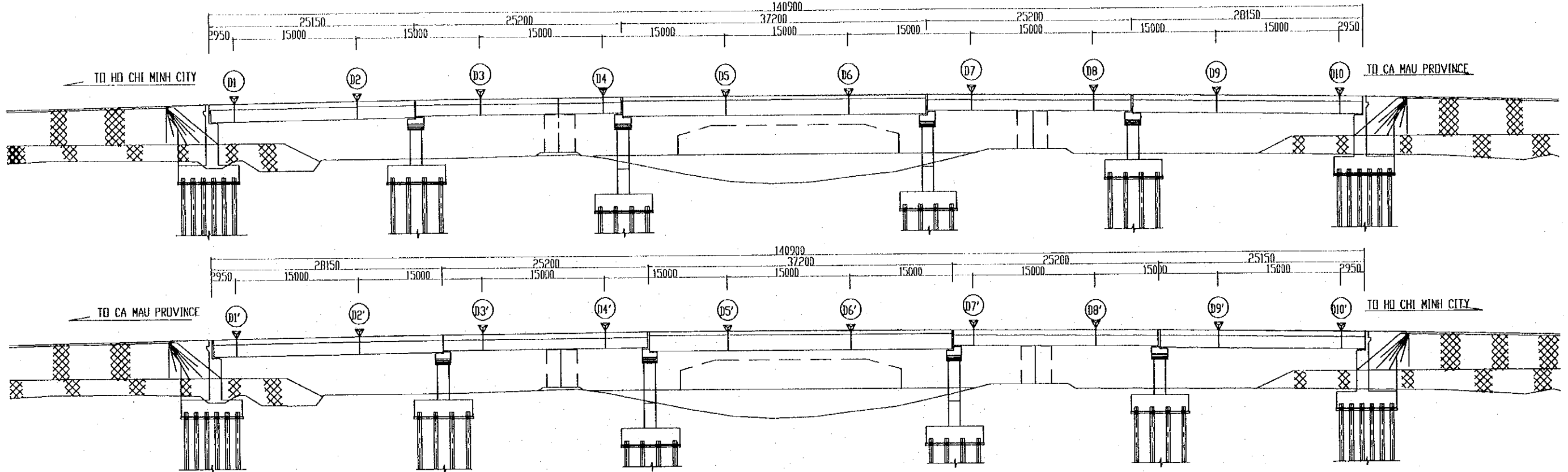
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING No.P3/BRG/0030.
2. MATERIAL SHALL BE BRONZE.
3. THE DATE TO BE ENTERED AGAINST CONSTRUCTED SHALL BE AS INSTRUCTED BY THE ENGINEER.
4. ONE PLATE SHALL BE WRITTEN IN ENGLISH AND ONE IN VIETNAMESE.  
THE EXACT FIXING LOCATIONS TO BE INSTRUCTED BY THE ENGINEER.

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	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	AP MY BRIDGE SUPERSTRUCTURE BRIDGE NAME PLAQUE	P3/BR6/0560

# DRAINAGE AND LIGHTING POLES LAYOUT

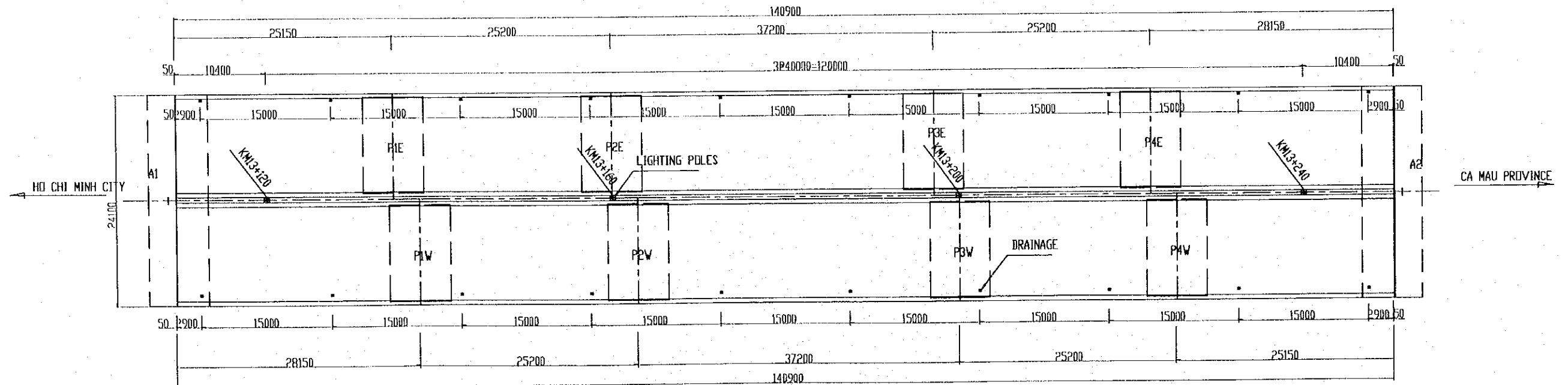
## SIDE ELEVATION

(SCALE 1/500)



## PLAN

(SCALE 1/500)

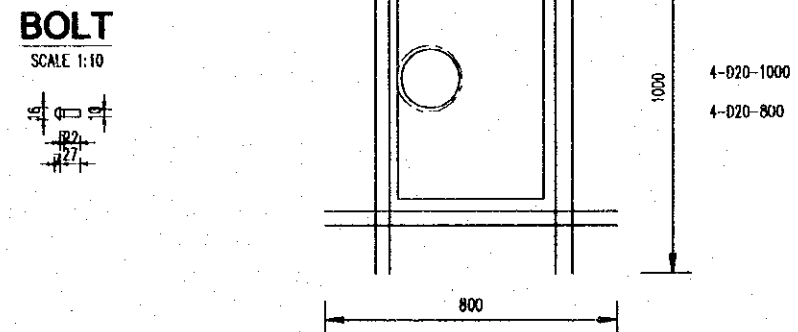
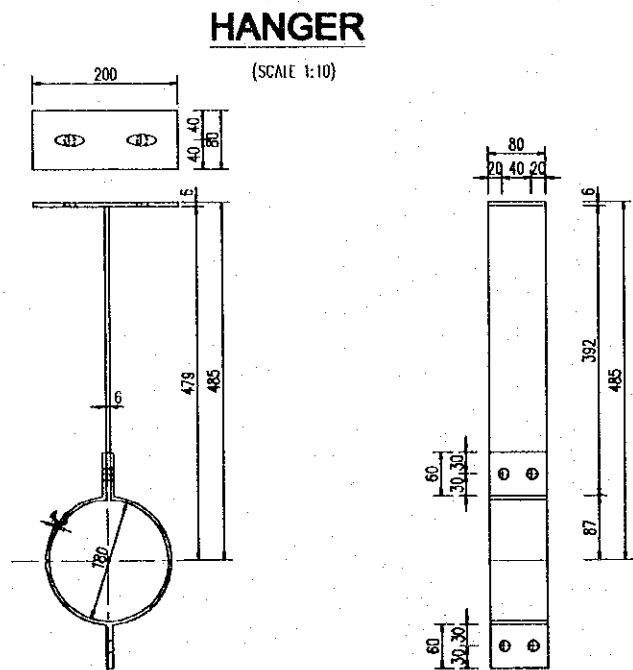
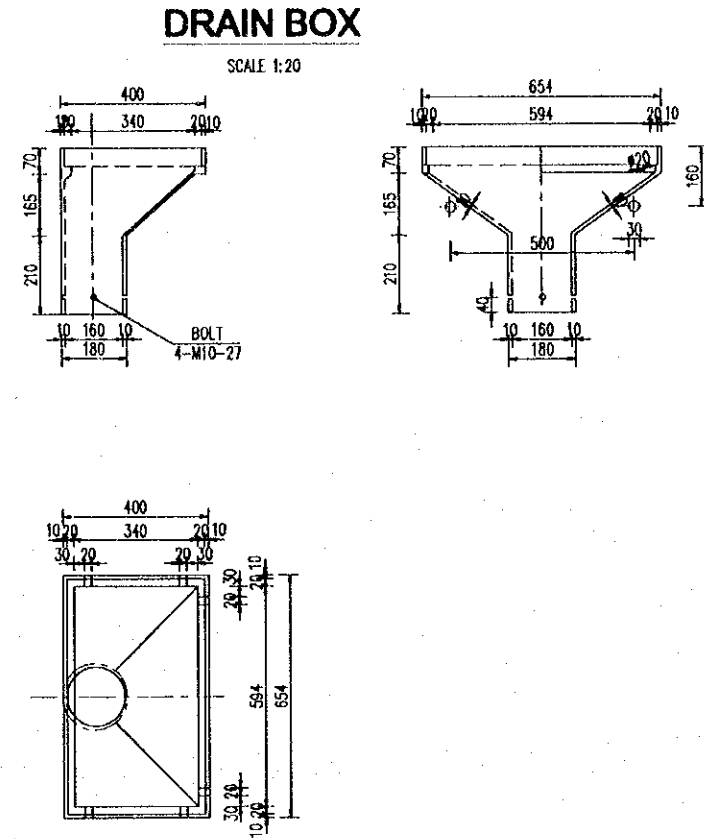
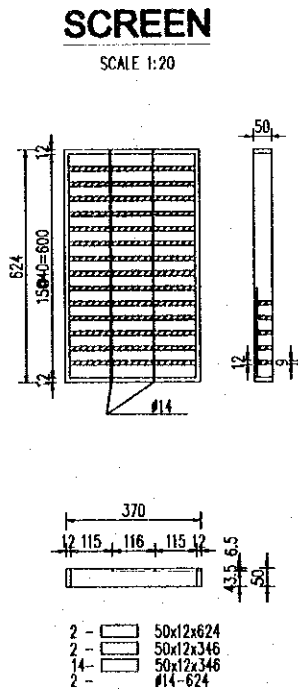
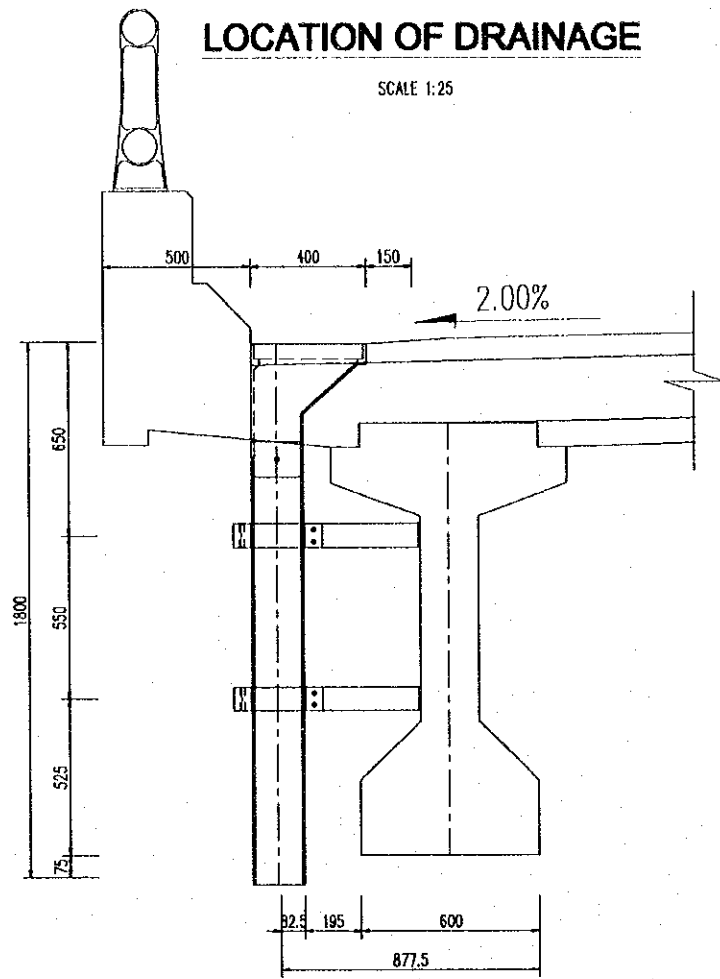


**NOTES:**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR6/0030

<b>PROJECT NAME</b> DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	<b>IMPLEMENTATION AGENCY</b> 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>	<b>CHECKED BY</b>	<b>APPROVED BY</b>	<b>DRAWING TITLE</b> AP MY BRIDGE SUPERSTRUCTURE DRAINAGE AND LIGHTING POLES LAYOUT	<b>DWG NO.</b> P1/BR6/0570	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE					
				DATE	20/9/2000	29/9/2000	5/10/2000		

# DETAILS OF DRAINAGE ON BRIDGE



## NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING P3/BR6/0030.

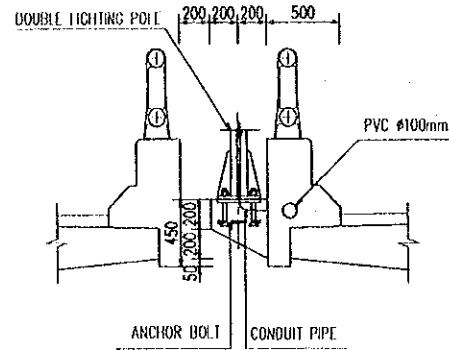
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: DATE: 5/10/2000	AP MY BRIDGE SUPERSTRUCTURE DETAILS OF DRAINAGE ON BRIDGE	P3/BR6/0580



# DETAILS OF LIGHTING POLES' BASE

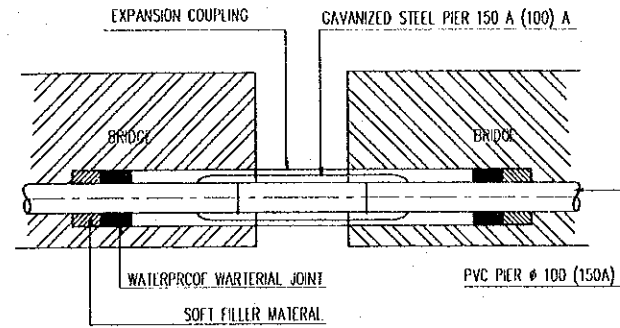
## CROSS SECTION

(SCALE : 1:50)



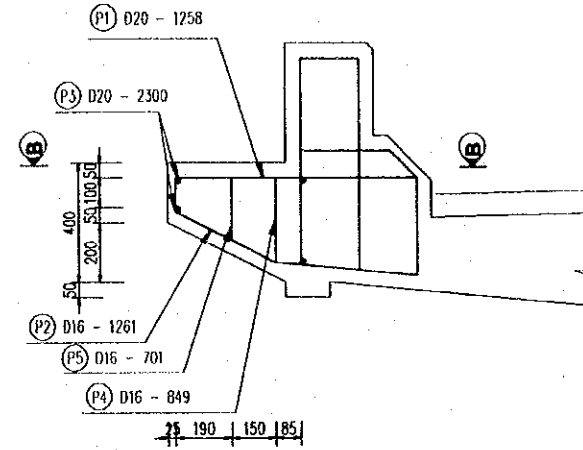
## CONDUIT EXPANSION JOINT FOR BRIDGE

(SCALE 1:25)



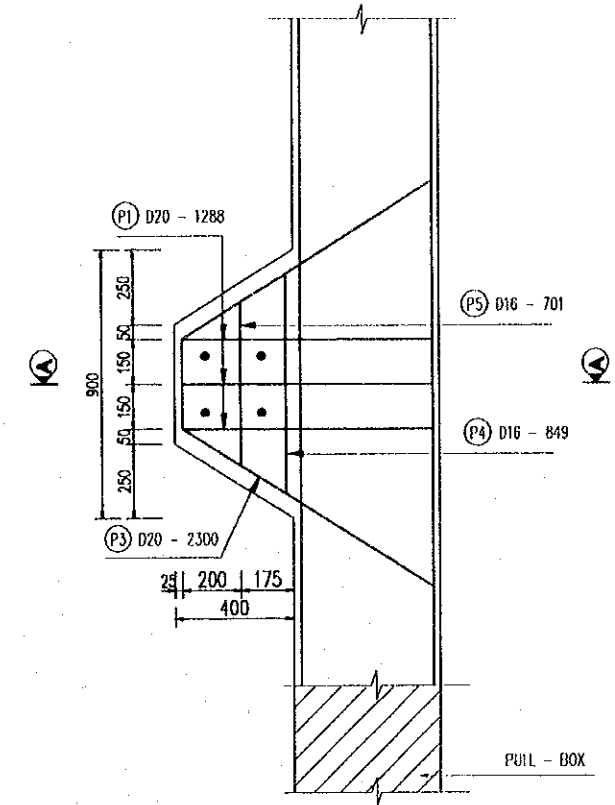
## SECTION A-A

(SCALE 1:25)



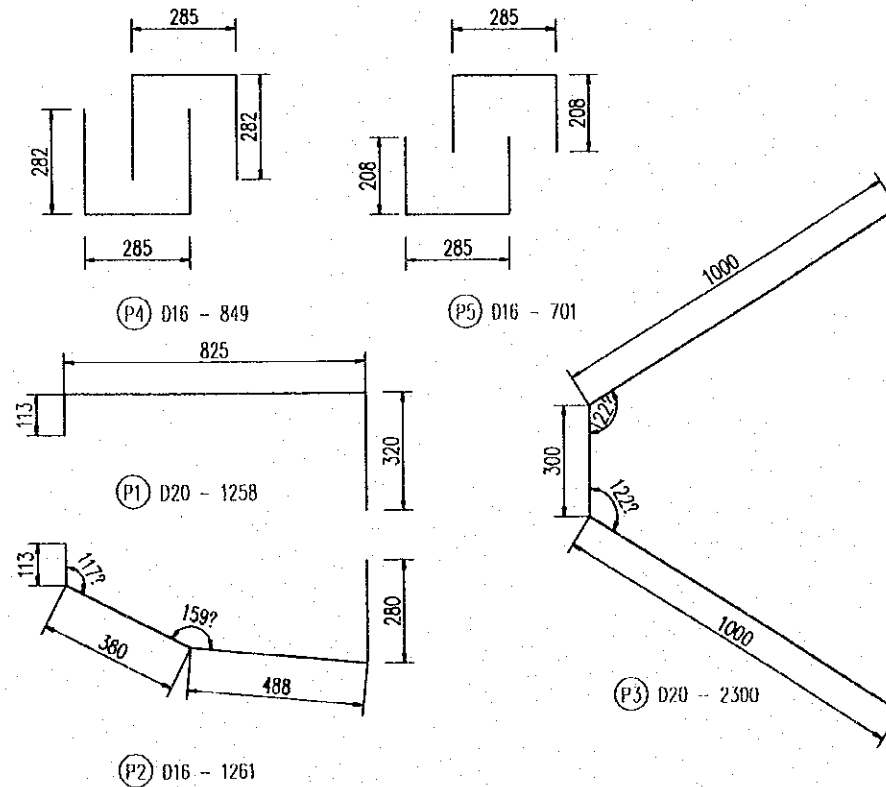
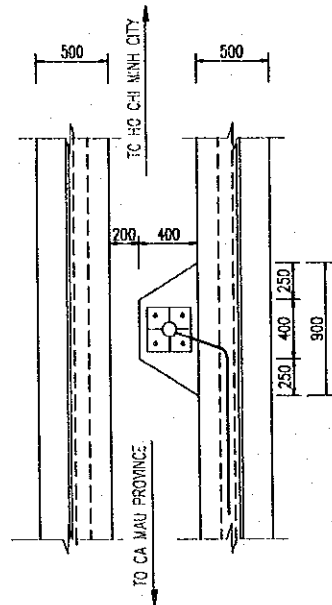
## SECTION B-B

(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 :					0.078 m <sup>3</sup>

## NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR6/0030.
- 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	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	AP MY BRIDGE SUPERSTRUCTURE DETAILS OF LIGHTING POLES' BASES	P3/BR6/0590
				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		

**QUANTITY OF MISCELLANEOUS**

ITEMS		WORK ITEM	UNIT	QUANTITY
CONCRETE	CLASS E	PARAPET	M3	143.66
		LIGHTING POLE BASE	M3	0.35
FORM		PARAPET	M2	901.61
		LIGHTING POLE BASE	M2	2.44
		TOTAL		904.05
RE-BAR		PARAPET	TON	22.286
		LIGHTING POLE BASE	TON	0.126
		TOTAL	TON	22.41
STEEL RAILING			M	573.00
LIGHTING	POLE		SET	4
	PIPE #100		M	573.00
DRAINAGE	POT		SET	20
	PIPE #100		M	34.80

**NOTES**

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR6/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOEI CO.,LTD.	NAME T. Kametani SIGNATURE <i>T. Kametani</i> DATE 20/9/2000	NAME K. Matsumoto SIGNATURE <i>K. Matsumoto</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	AP MY BRIDGE MISCELLANEOUS QUANTITY TABLES OF MISCELLANEOUS WORKS	P3/BR6/0600





JICA