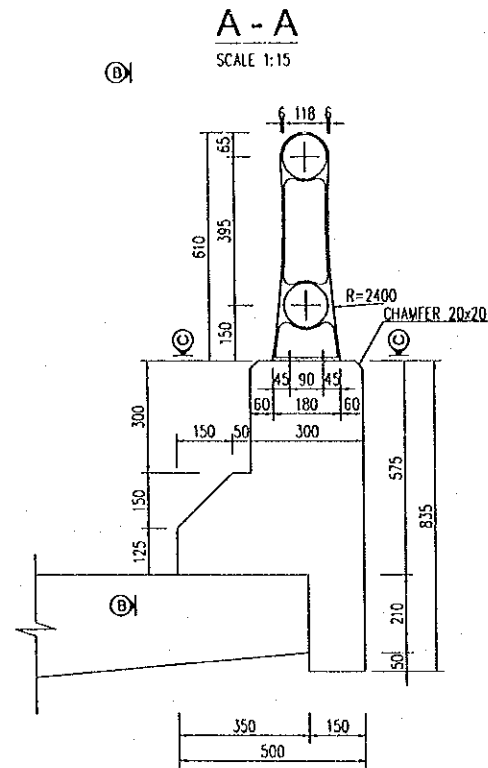


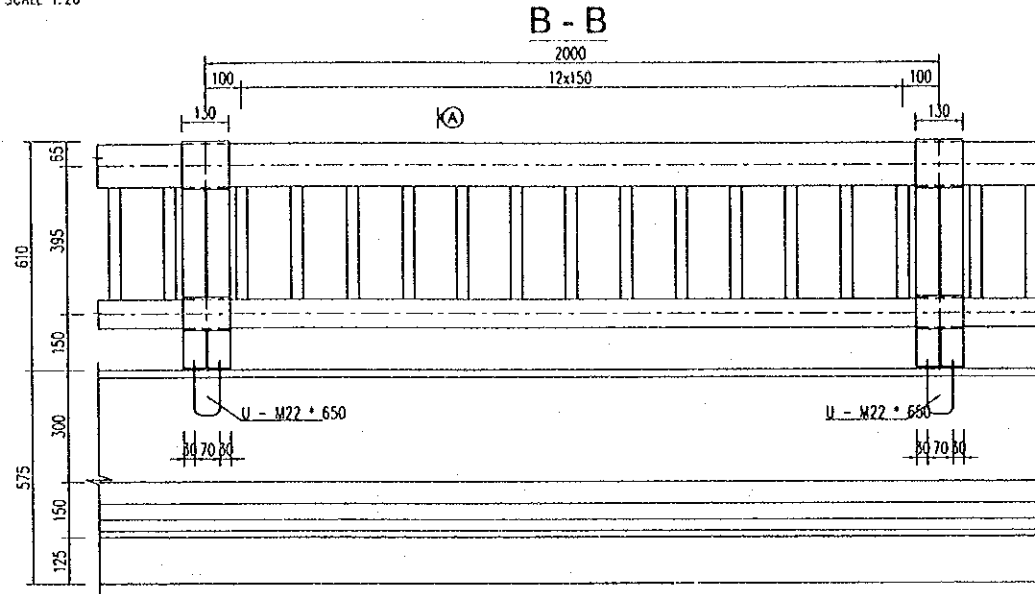
IV. -MISCELLANEOUS

DETAIL OF PARAPET AND RAILING

SCALE 1:20

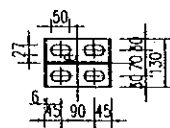


A - A
SCALE 1:15



B - B

C - C

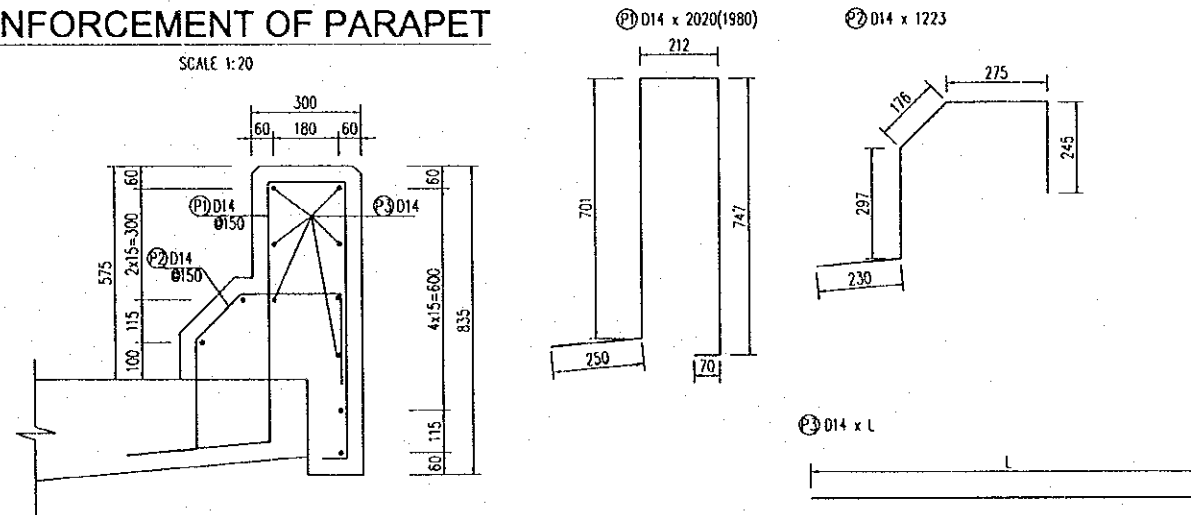


NOTES:

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR2/0030.
2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANNISED FOLLOWED BY SPECIFICATION PAINT PROTECTION SYSTEM.

REINFORCEMENT OF PARAPET

SCALE 1:20



QUANTITY OF RAILING (PER 10M LONG)

ITEM	SIZE	MATERIAL	UNIT WEIGHT	QUANTITY	UNIT	WEIGHT(KG)	REMARK
POST	610*180*130	FCD-450	18.1	5	EACH	90.5	GALVANIZING
UPPER RAIL	114.3*3.5T	STK-400	19.5	10	M	195.0	
BOTTOM RAIL	76.3*2.5T	STK-400	5.77	10	M	57.7	
CONNECTION	490*300	STK-400	2.13	1.67	EACH	3.6	
	67.5*300	STK-400	1.4	1.67	EACH	2.3	
ANCHO BOLT	M22. 650	SS-400	2.9	20	EACH	58.0	
VERTICAL MEMBER	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	162.65
P2	14	1223	68	1,208	100.46
P3	14	10000	11	1,208	132.88
				D14	395.99 kg
				CONCRETE	2.55 m ³

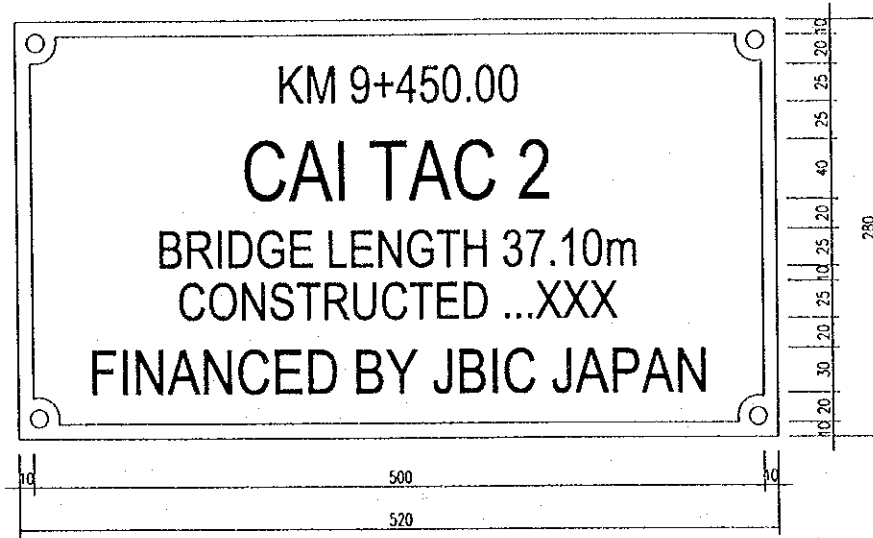
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THIUAN PROJECT 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	CAI TAC 2 BRIDGE MISCELLANEOUS DETAILS OF PARAPET AND RAILINGS	P3/BR2/0370

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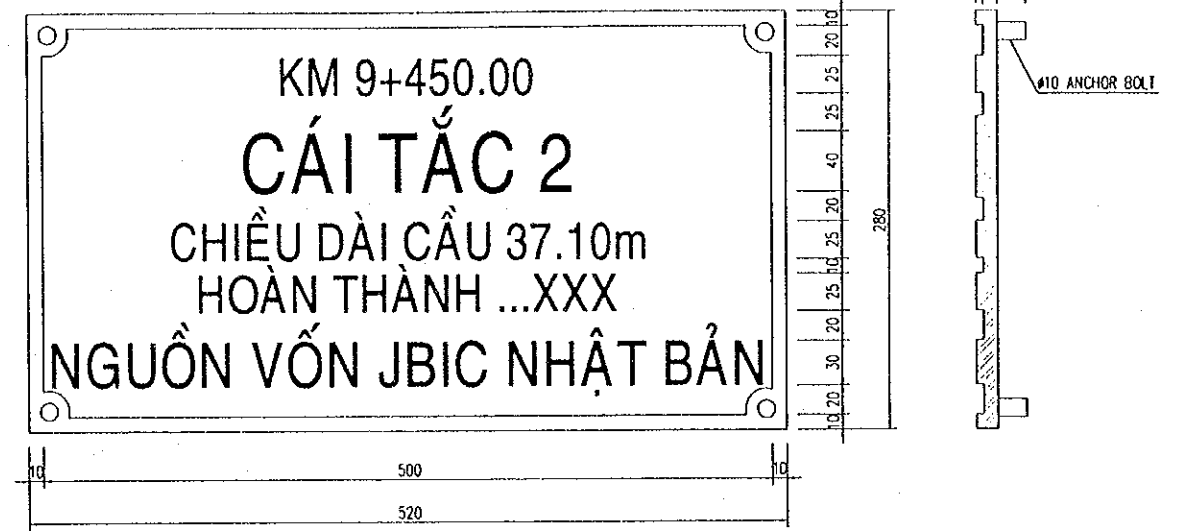
DETAIL OF BRIDGE NAME PLAQUE

SCALE 1:5

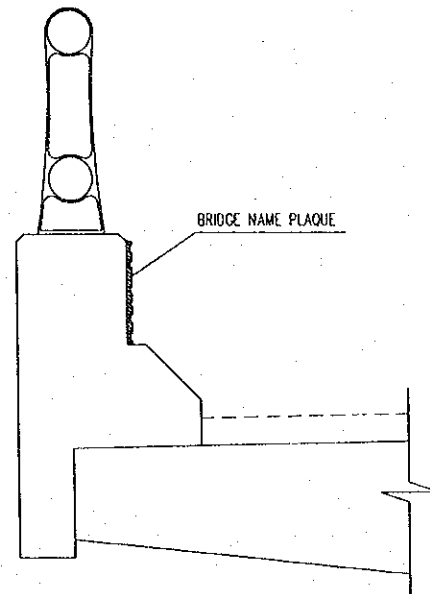
DETAIL 1



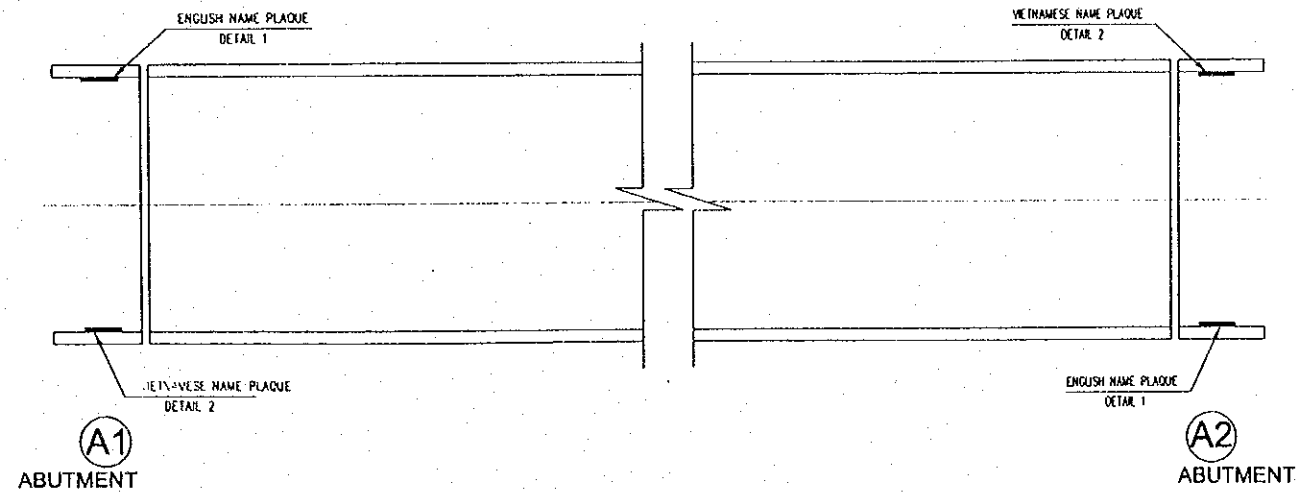
DETAIL 2



LOCATION OF NAME PLAQUE



PLAN



NOTES

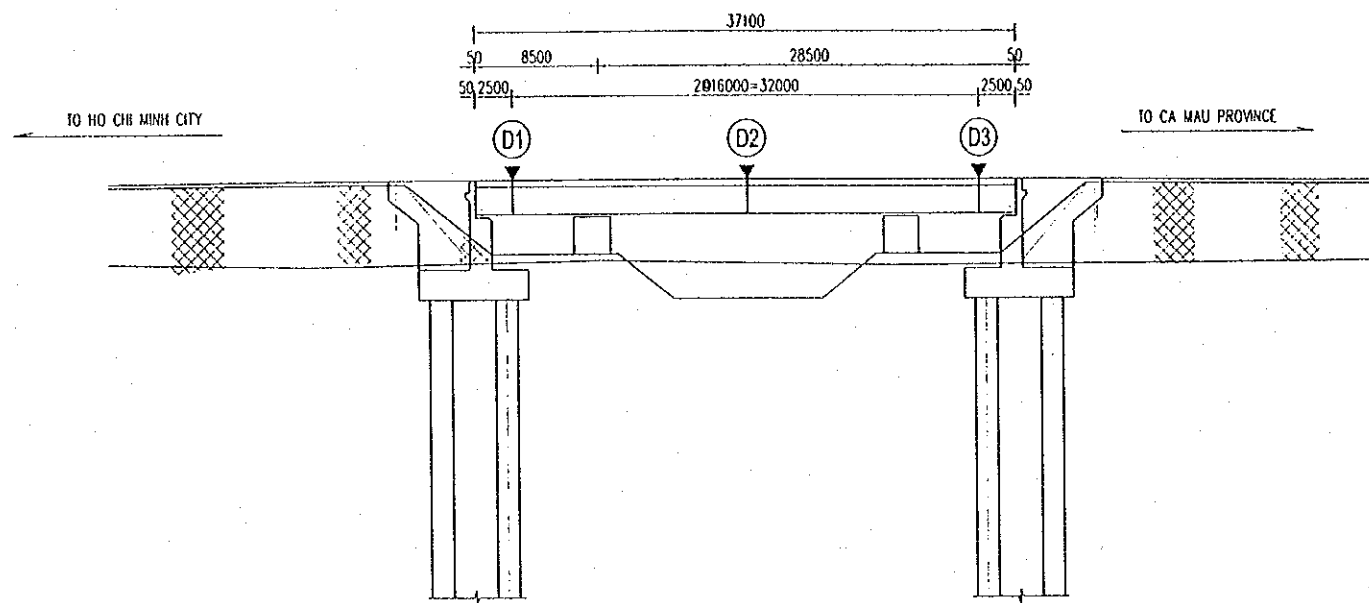
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR2/0030.
2. MATERIAL SHALL BE BRONZE.
3. THE DATE TO BE ENTERED AGAINST CONSTRUCTED SHALL BE AS INSTRUCTED BY THE ENGINEER.
4. ONE PLATE SHALL BE WRITTEN IN ENGLISH AND ONE IN VIETNAMESE.
THE EXACT FIXING LOCATIONS TO BE INSTRUCTED BY THE ENGINEER.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	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	CAI TAC 2 BRIDGE MISCELLANEOUS BRIDGE NAME PLAQUE	P3/BR2/0380

DRAINAGE AND LIGHTING POLES LAYOUT

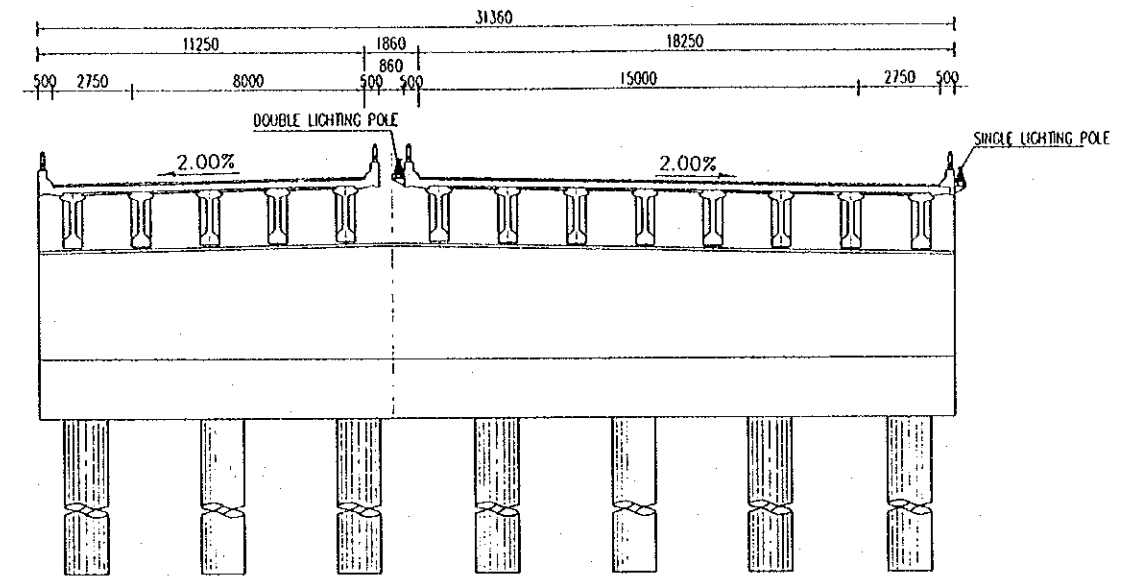
ELEVATION

(SCALE 1:500)



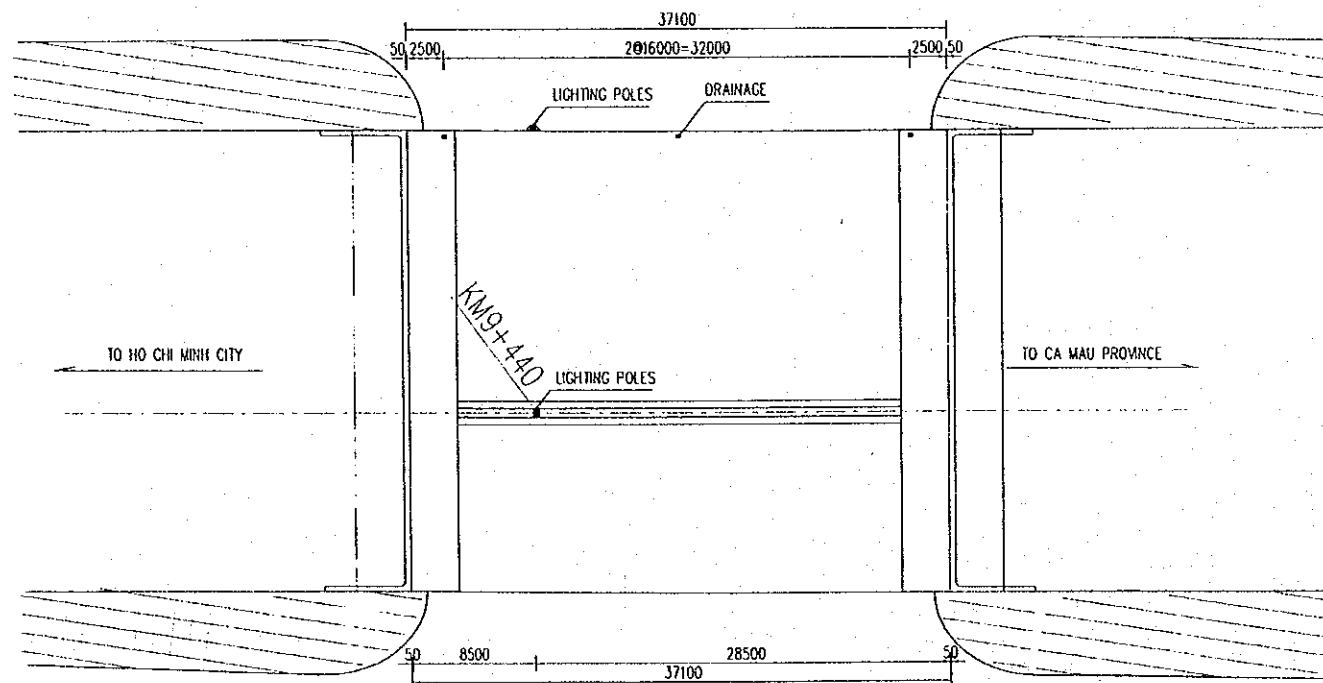
CROSS SECTION

(SCALE 1:250)



PLAN

(SCALE 1:500)



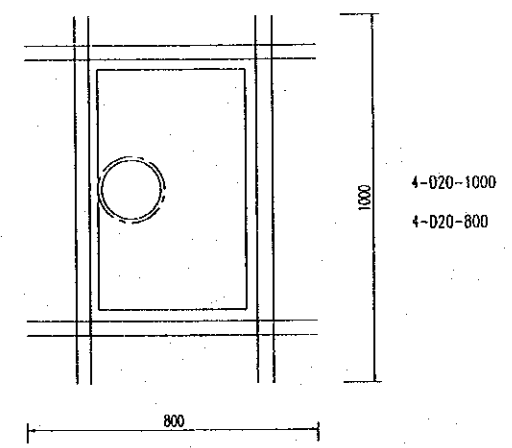
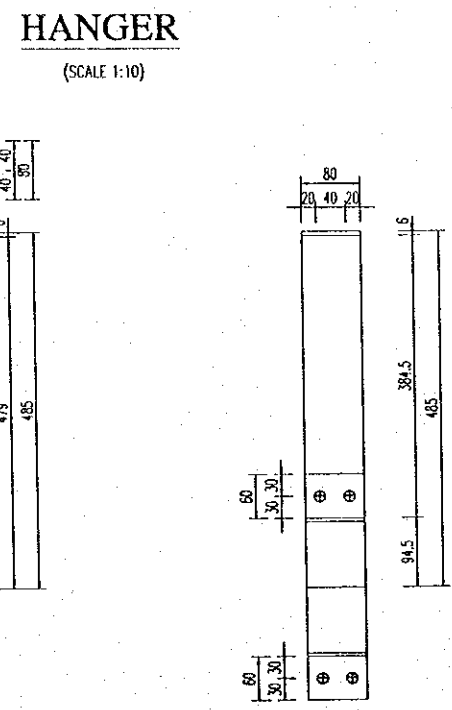
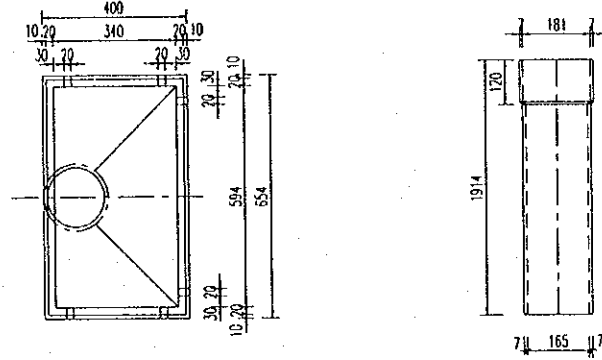
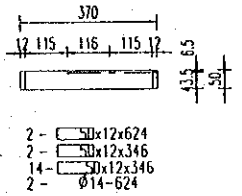
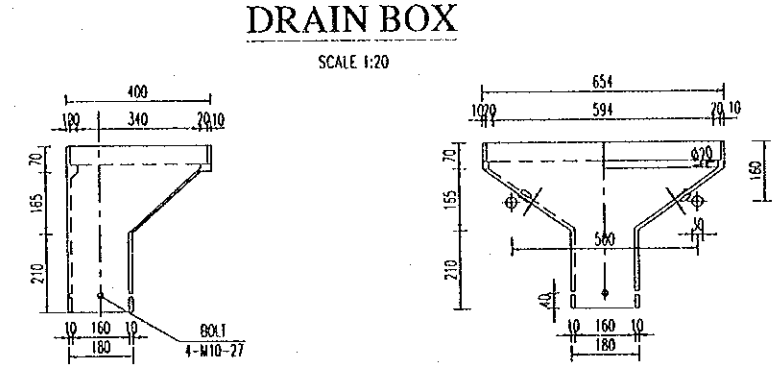
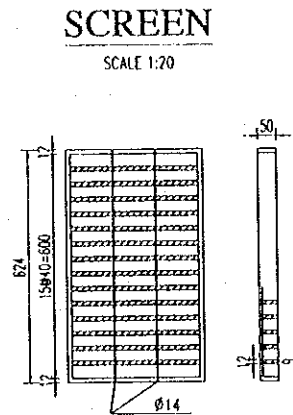
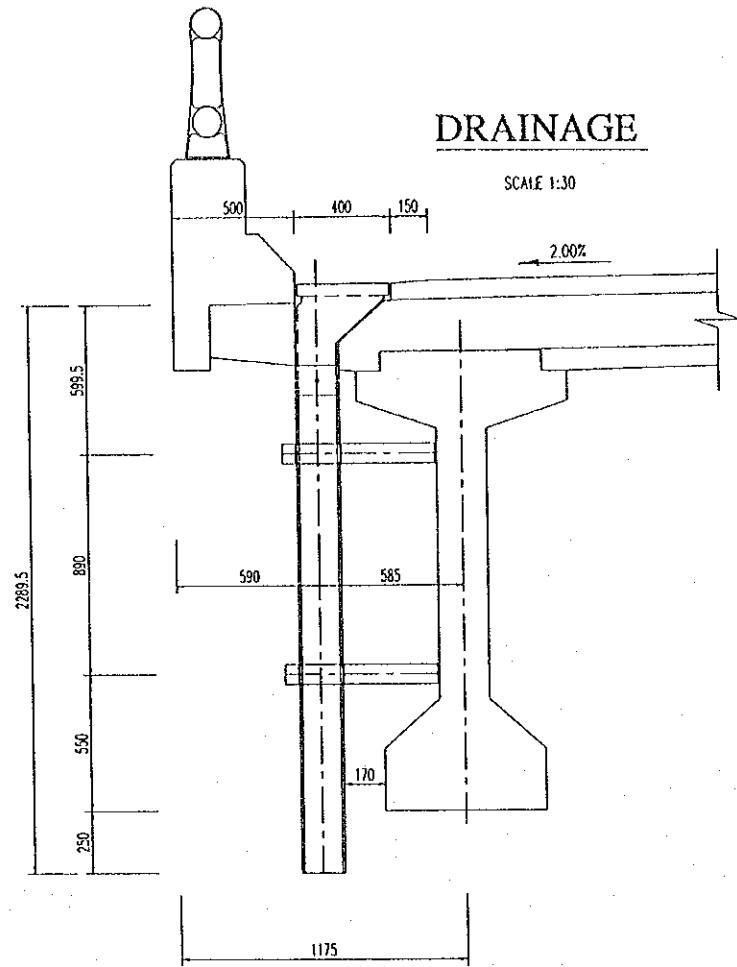
NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR2/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAITAC 2 BRIDGE MISCELLANEOUS DRAINAGE AND LIGHTING POLES' LAYOUT	P3/BR2/0390
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

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DETAILS OF DRAINAGE ON BRIDGE



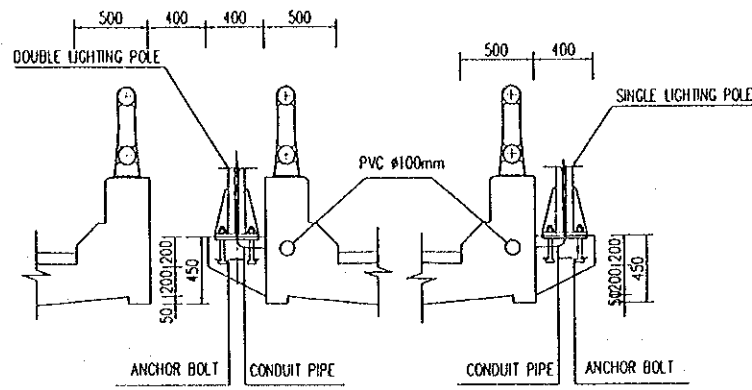
NOTES
FOR STANDARD STRUCTURAL NOTES SEE DRAWING P3/BR2/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOBI CO.,LTD.	NAME: T. Kametani SIGNATURE: DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: DATE: 5/10/2000	CAI TAC 2 BRIDGE MISCELLANEOUS DETAILS OF DRAINAGE ON BRIDGE	P3/BR2/0400

DETAILS OF LIGHTING POLES' BASE

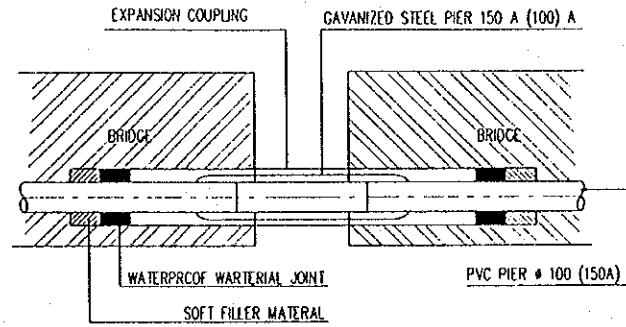
CROSS SECTION

(SCALE : 1:50)



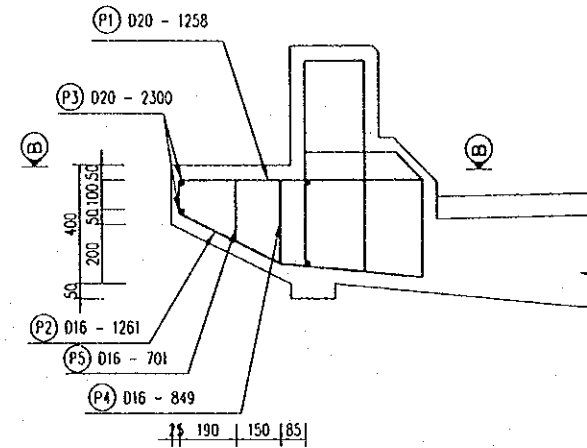
CONDUIT EXPANSION JOINT FOR BRIDGE

(SCALE 1:25)



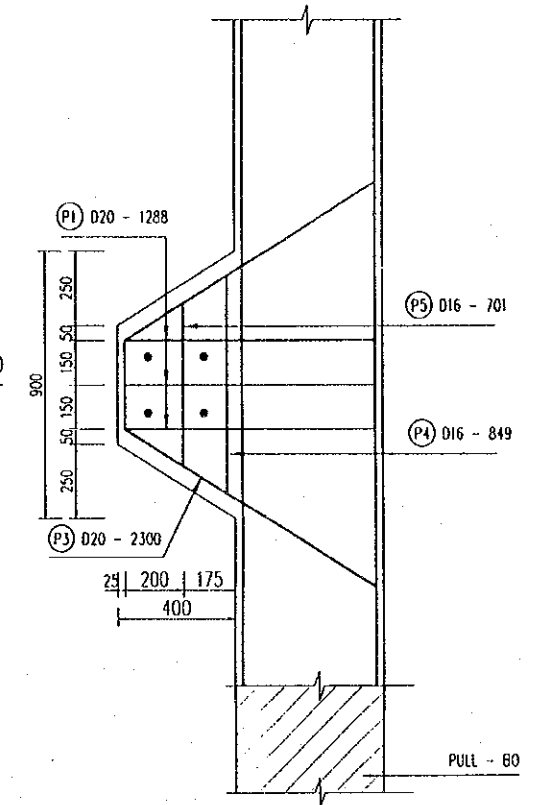
SECTION A-A

(SCALE 1:25)



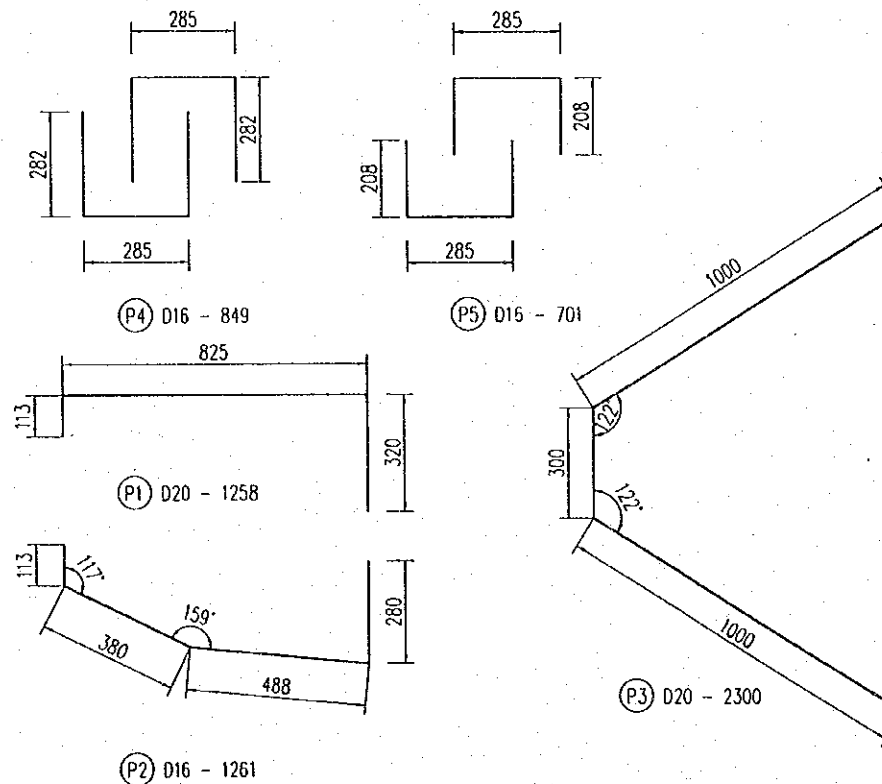
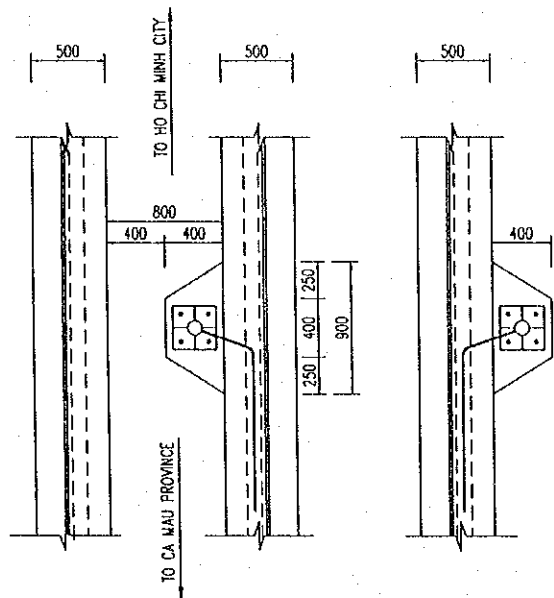
SECTION B-B

(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 :			STEEL TOTAL :	31.51 kg	
			D16 :	10.85 kg	
			D20 :	20.65 kg	
			CONCRETE :	0.078 m ³	

NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR2/0030.
2. ANCHOR BOLTS AND CONDUIT PIPES SHALL BE PLACED PRIOR TO CASTING CONCRETE
3. DETAILS OF PULL-BOX SHALL BE SHOWN IN THE SHOP DRAWING TO BE SUBMITTED FOR THE ENGINEER'S APPROVAL

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI TAC 2 BRIDGE MISCELLANEOUS DETAILS OF LIGHTING POLES' BASES	P3/BR2/0410
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

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QUANTITY OF MISCELLANEOUS

ITEM		WORK ITEM	UNIT	QUANTITY
CONCRETE	CLASS E	PARAPET	M3	37.78
		LIGHTING POLE BASE	M3	0.18
RE-BAR		PARAPET	TON	5.862
		LIGHTING POLE BASE	TON	0.063
		TOTAL	TON	5.92
STEEL RAILING			M	171.60
LIGHTING	POLE		SET	2
	PIPE # 100		M	148.0
DRAINAGE	POT		SET	3
	PIPE # 180		M	5.22

NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR1/0030.


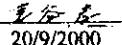

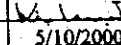
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT 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	CAI TAC 2 BRIDGE MISCELLANEOUS QUANTITY TABLES OF MISCELLANEOUS WORKS	P3/BR2/0420

P3/BR3 CAI DA BRIDGE

I. GENERAL

DRAWING LIST

NO.	CODE	DRAWING NAME
I		GENERAL
1	P3/BR3/0010	DRAWING LIST
2	P3/BR3/0020	ABBREVIATIONS AND SYMBOLS
3	P3/BR3/0030	STRUCTURAL NOTES
4	P3/BR3/0040	LOCATION MAP
5	P3/BR3/0050	COORDINATES OF BRIDGE
6	P3/BR3/0060	GENERAL VIEW - SHEET 1
7	P3/BR3/0070	GENERAL VIEW - SHEET 2
8	P3/BR3/0080	GENERAL VIEW - SHEET 3
9	P3/BR3/0090	QUANTITY TABLE OF BRIDGE
II		SUPERSTRUCTURE
10	P3/BR3/0100	GIRDER LAYOUT - SHEET 1
11	P3/BR3/0110	GIRDER LAYOUT - SHEET 2
12	P3/BR3/0120	GENERAL VIEW OF *1* GIRDER L=28.0M.
13	P3/BR3/0130	GENERAL VIEW OF *1* GIRDER L=37.0M.
14	P3/BR3/0140	TENDONS ARRANGEMENT OF *1* GIRDER L=28.0M.
15	P3/BR3/0150	TENDONS ARRANGEMENT OF *1* GIRDER L=37.0M.
16	P3/BR3/0160	TENDONS ARRANGEMENT OF CONNECTION DIAPHRAGMS.
17	P3/BR3/0170	REINFORCEMENT OF *1* GIRDER L=28.0M
18	P3/BR3/0180	REINFORCEMENT OF *1* GIRDER L=37.0M
19	P3/BR3/0190	REINFORCEMENT OF DIAPHRAGMS - SHEET 1
20	P3/BR3/0200	REINFORCEMENT OF DIAPHRAGMS - SHEET 2
21	P3/BR3/0210	DECK SLAB REINFORCEMENT - SHEET 1
22	P3/BR3/0220	DECK SLAB REINFORCEMENT - SHEET 2
23	P3/BR3/0230	DECK SLAB REINFORCEMENT - SHEET 3
24	P3/BR3/0240	DECK SLAB REINFORCEMENT - SHEET 4
25	P3/BR3/0250	DETAILS OF BEARINGS.
26	P3/BR3/0260	DETAILS OF EXPANSION JOINTS
27	P3/BR3/0270	QUANTITY TABLE OF SUPERSTRUCTURE
III		ABUTMENTS
28	P3/BR3/0280	GENERAL VIEW OF ABUTMENTS A1
29	P3/BR3/0290	GENERAL VIEW OF ABUTMENTS A2
30	P3/BR3/0300	ABUTMENT A1& A2 - BORED PILE DETAILS , L=55.0M
31	P3/BR3/0310	REINFORCEMENT OF ABUTMENTS A1 - SHEET 1
32	P3/BR3/0320	REINFORCEMENT OF ABUTMENTS A1 - SHEET 2
33	P3/BR3/0330	REINFORCEMENT OF ABUTMENTS A1 - SHEET 3
34	P3/BR3/0340	REINFORCEMENT OF ABUTMENTS A2 - SHEET 1
35	P3/BR3/0350	REINFORCEMENT OF ABUTMENTS A2 - SHEET 2
36	P3/BR3/0360	REINFORCEMENT OF ABUTMENTS A2 - SHEET 3
37	P3/BR3/0370	EARTHWORKS SLOPE PROTECTION - SHEET 1
38	P3/BR3/0380	EARTHWORKS SLOPE PROTECTION - SHEET 2
39	P3/BR3/0390	DETAILS OF APPROACH SLAB - SHEET 1
40	P3/BR3/0400	DETAILS OF APPROACH SLAB - SHEET 2
41	P3/BR3/0410	QUANTITY TABLE OF ABUTMENTS
IV		PIERS
42	P3/BR3/0420	GENERAL VIEW OF PIERS P1& P2
43	P3/BR3/0430	PIERS P1 & P2 - BORED PILE DETAILS , L=52.0M
44	P3/BR3/0440	REINFORCEMENT OF PIERS P1 & P2 - SHEET 1
45	P3/BR3/0450	REINFORCEMENT OF PIERS P1 & P2 - SHEET 2
46	P3/BR3/0460	PIERS PROTECTION
47	P3/BR3/0470	QUANTITY TABLE OF PIERS
V		MISCELLANEOUS
48	P3/BR3/0480	DETAILS OF PARAPET AND RAILINGS
49	P3/BR3/0490	BRIDGE NAME PLAQUE
50	P3/BR3/0500	DRAINAGE AND LIGHTING POLES LAYOUT
51	P3/BR3/0510	DETAILS OF DRAINAGE ON BRIDGE
52	P3/BR3/0520	DETAILS OF LIGHTING POLE BASES
53	P3/BR3/0530	QUANTITY TABLE OF MISCELLANEOUS WORKS

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY			DRAWING TITLE	DWG NO.
				NAME	CHECKED BY	APPROVED BY		
				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		
SIGNATURE DATE	 20/9/2000	 29/9/2000	 5/10/2000					

ABBREVIATIONS AND SYMBOLS

A	PARAMETER OF CLOTHOID CURVE	LP	POINT OF INTERSECTION
θ	AT	KG	KILOGRAM
ABUT	ABUTMENT	KM	KILOMETER
AC	ASPHALT CONCRETE	KPH	KILOMETER PER HOUR
APPR	APPROACH	L	LENGTH OF CURVE WITH SPIRAL
ASPH	ASPHALT	LC	LENGTH OF CIRCULAR CURVE
&	AND	LS	LENGTH OF SPIRAL CURVE
A > B	A IS LARGER THAN B	LVC	LENGTH OF VERTICAL CURVE
BOR	BORING	LIN.M	LINEAR METER
BR	BRIDGE	M	METER
BX	BOX CULVERT	M ²	SQUARE METER
C	CUT	M ³	CUBIC METER
CTC	CENTER TO CENTER	MAX	MAXIMUM
CL	CENTERLINE	MIN	MINIMUM
CM	CENTIMETER	MOV	MOVABLE
CONC	CONCRETE	N.G.L	NATURAL GROUND LEVEL
CONST	CONSTRUCTION	OV	OVER BRIDGE
CONT	CONTINUOUS	%	PERCENT
C.S	CIRCULAR CURVE TO SPIRAL CURVE	P	PIPE CULVERT
CU.M	CUBIC METER	PC	BEGINNING POINT OF SIMPLE CURVE
DIA or Ø	DIAMETER	PE.W	PARAPET WALL
DC	DRAINAGE CATCHBASIN	P.C	PRESTRESSED CONCRETE
DI	DRAINAGE INLET	P/C	PRE - CAST
DL	DATUM LINE	PH	PLAN HEIGHT
DO	DRAINAGE OUTLET	P.I	POINT OF INTERSECTION FOR HORIZONTAL ALIGNMENT
DS	DRAINAGE SIDEDITCH	PI	END OF POINT OF SIMPLE CURVE
DW	MORTARED RUBBLE PAVED WATERWAY	PC	PLATE COVER
E.P	END POINT	R	RADIUS OF CIRCULAR CURVE
E.V	MIDDLE ORDINATE VERTICAL CURVE	R.C	REINFORCED CONCRETE
EL	ELEVATION	R.O.W	RIGHT OF WAY
EQ	EQUAL	RW	RETAINING WALL
EXC	EXCAVATION	S.C	SPIRAL CURVE TO CIRCULAR CURVE
EXP	EXPANSION	S.P	SLOPE PROTECTION
F	FILL	S.P.P	STEEL PIPE PILE
FG	FINISHED GRADE	SQ	SQUARE
FIX	FIXED	SQ.M	SQUARE METER
FR	FRONTAGE ROAD	S.T	SPIRAL CURVE TO TANGENT
FTOF	FACE TO FACE	STA	STATION
G.F	GUARD FENCE	SM	STONE MASONRY
GR	GUARD RAIL	T	THICKNESS
GIR	GIRDER	T.S	TANGENT TO SPIRAL
H	HEIGHT	T.L	TANGENT LENGTH OF CIRCULAR CURVE
D.F.W.L	DATUM FLOODED WATER LEVEL	T ₀	TANGENT LENGTH OF SPIRAL
HWY	HIGHWAY	V	DESIGN SPEED IN KPH
i	GRADIENT	W	WIDTH
I.C	INTERCHANGE	X	EASTING COORDINATE IN METERS

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	CAI DA BRIDGE GENERAL ABBREVIATIONS AND SYMBOLS	P3/BR3/0020
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>		
				DATE	20/9/2000	29/9/2000		

STRUCTURAL NOTES

1. GENERAL

- 1.1. UNLESS OTHERWISE NOTED THESE NOTES ARE APPLIED TO ALL DRAWINGS.
- 1.2. THE SCALE INDICATED IN DRAWINGS IS FOR 'A3' SIZE.
- 1.3. ALL CHAINAGES, COORDINATES, ELEVATIONS ARE IN METRES. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.
- 1.4. THE ELEVATION SYSTEM IS REFERRED TO THE MEAN SEA DATUM ELEVATION AT HONDAU - DO SON. COORDINATE REFER TO THE NATIONAL GRID SYSTEM.

2. DESIGN CRITERIA & LOADS

- 2.1. DESIGN STANDARDS:
 - AASHTO 1998 - LRFD BRIDGE DESIGN SPECIFICATIONS
 - AASHTO GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF SEGMENTAL CONCRETE BRIDGES
 - JAPANESE HIGHWAY AND BRIDGE STANDARDS 1996
 - VIETNAMESE HIGHWAY BRIDGES STANDARDS 1979
- 2.2. DESIGN LOADS:
 - B_LOADING IN ACCORDANCE WITH JAPANESE CODE
 - PEDESTRIAN LOAD : 3.6 kN/M² - AASHTO LRFD 1998
 - BASIC WIND VELOCITY : 160 KM/H - AASHTO LRFD 1998
 - LATERAL SEISMIC RESPONSE COEFFICIENT : 0.12
 - VESSEL IMPACT : VIETNAMESE HIGHWAY BRIDGES STANDARDS 1979
 - TEMPERATURE RANGE : 17.7°C TO 36.7°C
 - UNIFORM TEMPERATURE : ±10°C
 - TEMPERATURE DIFFERENTIAL : 5°C

3. CONCRETE

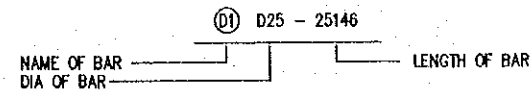
- 3.1. UNLESS OTHERWISE INDICATED CONCRETE SHALL BE OF THE FOLLOWING GRADES BASED ON 28 DAY CYLINDER STRENGTH f_c :

CONCRETE CLASS	STRENGTH f_c MPa	KIND OF STRUCTURE IN USE
B	40	PC BOX GIRDER, I-GIRDER
C	35	HOLLOW SLAB
D	30	IN-SITU DECK SLAB, BORED PILE
E	24	PIER, ABUTMENT, PILE CAP, RETAINING WALL, PARAPET, BARRIER, KERB
G	15	LEAN CONCRETE

- 3.2. WHEREVER FORMS ARE NOT USED REINFORCED CONCRETE SHALL BE PLACED AGAINST 100mm MINIMUM THICKNESS LEAN CONCRETE.
- 3.3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 20x20mm UNLESS OTHERWISE NOTED.
- 3.4. ALL CONSTRUCTION JOINTS ARE TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS ENGINEER'S APPROVAL.

4. REINFORCEMENT

- 4.1. REINFORCEMENT SHALL BE DEFORMED, EXCEPT THAT PLAIN BARS OR PLAIN WIRE MAY BE USED FOR SPIRALS, HOOPS, AND WIRE FABRIC.
- 4.2. REINFORCEMENT SHALL BE SD390 OR EQUIVALENT. PLAIN ROUND BAR WITH $f_y(\min)$ 250 MPa AND HIGH YIELD DEFORMED BARS WITH YIELD STRENGTH NOT LESS THAN $f_y(\min)$ 390 MPa SHALL BE USED.
- 4.3. REINFORCEMENT IS NOTED ON THE DRAWINGS AS FOLLOWS:



- 4.4. ALL REINFORCEMENTS ARE SHOWN AS _____
- 4.5. SPLICES IN ADJACENT BARS SHALL BE STAGGERED EXCEPT WHERE NOTED ON THE DRAWINGS. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY ONLY BE MADE WITH THE ENGINEER'S APPROVAL.

4. REINFORCEMENT (CONTINUED)

- 4.6. REINFORCEMENTS INDICATED AS RANDOM LENGTH MAY BE LAP SPICED AS NECESSARY SUBJECT TO THE FOLLOWING CONDITIONS:
 - A) LAP SPLICES IN ADJACENT BARS SHALL BE STAGGERED
 - B) MINIMUM LAP LENGTHS SHALL BE IN ACCORDANCE WITH AASHTO LRFD 1998, EXCEPT BORED PILE SHALL BE 40 BAR DIAMETERS
 - C) NOT MORE THAN ONE BAR PER LINE IS TO BE SHORTER THAN 12 METRES FOR ANY DIAMETER
- 4.7. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE MINIMUM COVER TO ANY REINFORCEMENT SHALL BE AS FOLLOWS:
 - 75mm BORED PILE, RETAINING WALL & ABUTMENT
 - 50mm PILE CAP, DECK SLAB, PIER & ABUTMENT, PARAPET, KERB, APPROACH SLAB, etc...
 - TOLERANCE ON COVER IS +/-5MM

5. PRESTRESSING

- 5.1. NOMINAL DIAMETER, YIELD AND TENSILE STRENGTH OF PRESTRESSED TENDON ARE SPECIFIED AS FOLLOWS:

UTILIZATION	NOMINAL DIAMETER (mm)	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	JACKING FORCE (kN)
INTERNAL CABLE	12S12.7	1860	1675	1650
TRANSVERSE CABLE	3S12.7	1860	1675	415

- 5.2. PRESTRESSED TENDONS SHALL BE FORMED FROM THE STRANDS OF 12.7mm DIAMETER MADE BY 7 LOW RELAXATION WIRES GRADE 270 CORRESPONDING WITH ASTM A416M. THE ACTUAL TENDON SIZES AND INITIAL PRESTRESSED FORCE ARE GIVEN ON THE DETAIL DRAWINGS.
- 5.3. PRESTRESSED SYSTEMS TO BE ADOPTED SHALL BE IN ACCORDANCE WITH THE ENGINEER'S APPROVAL.
- 5.4. DUCTS FOR INTERNAL TENDONS SHALL BE SEMI-RIGID GALVANISED SHEATHING UNLESS OTHERWISE NOTED AND SHALL BE RIGIDLY SUPPORTED AT NOT MORE THAN 750mm FROM CENTRES.
- 5.5. THE METHOD TO FIX THE DUCTS AND THE METHOD OF JOINTING AND SEALING OF DUCTS AT CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE ENGINEER'S APPROVAL.
- 5.6. TENDON PROFILES ARE SPECIFIED TO THE CENTER OF SHEATHING. THE TENDON ARE TO BE PLACED TO SMOOTH PROFILES PASSING THROUGH THE SPECIFIED POINTS.
- 5.7. EACH TENDON SHALL BE KEPT STRAIGHT FOR A MINIMUM LENGTH OF 1000mm FROM ANCHORAGE FACES.
- 5.8. GROUTING POINTS SHALL BE PROVIDED AT ALL CROWN POINTS, SAG POINTS, ANCHORAGES AND DEVATORS.

6. WATERPROOF

- 6.1. ALL REINFORCED CONCRETE SURFACES IN CONTACT WITH BACKFILL SHALL BE COATED WITH TWO COATS OF BITUMINOUS MEMBRANE.
- 6.2. THE BRIDGE DECK SHALL BE WATERPROOFED WITH APPROVED PROPRIETARY WATERPROOFING SYSTEM IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

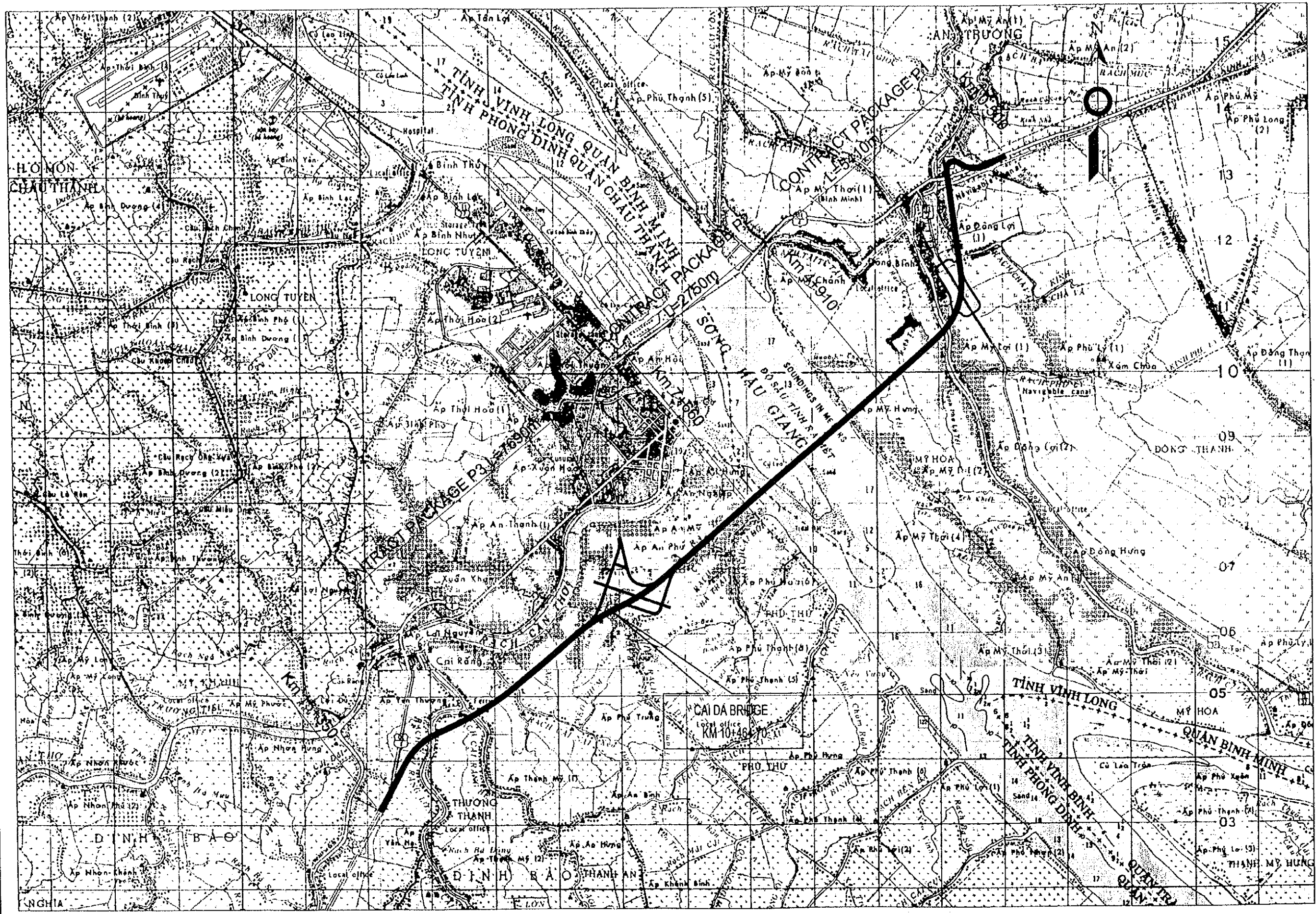
7. SUPERSTRUCTURE

- 7.1. SUPERSTRUCTURE IS DESIGNED ON THE BASIS OF CONSTRUCTION SEQUENCE DETAILED ON THE DRAWINGS. ANY CHANGES TO THE CONSTRUCTION SEQUENCE WILL REQUIRE A RE-DESIGN OF THE BRIDGE.
- 7.2. THE SUPERSTRUCTURE DESIGN IS BASED ON THE USE OF INTERNAL PRESTRESSING WITH THE FOLLOWING PARAMETERS:

COEFFICIENT OF FRICTION - 1/RAD	0.25
WOBBLE FACTOR K - 1/m (FOR INTERNAL ONLY)	0.004
DRAW-IN	5 mm
RELATIVE HUMIDITY	85%

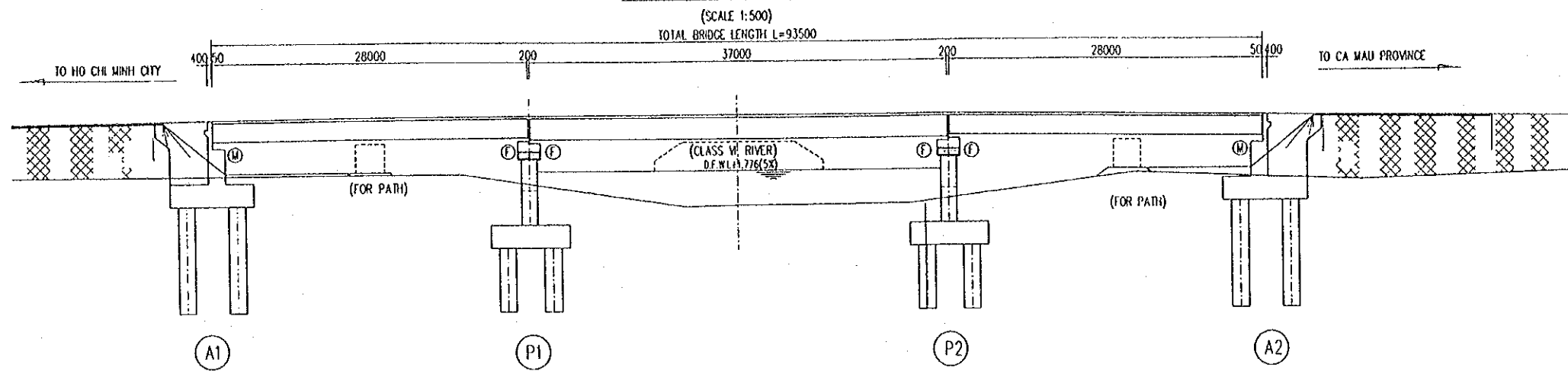
- 7.3. ANCHOR BAR SHALL BE CONFORMING TO THE REQUIREMENTS OF SS400 OF JIS G3101.

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	CAI DA BRIDGE GENERAL STRUCTURAL NOTES	P3/BR3/0030
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



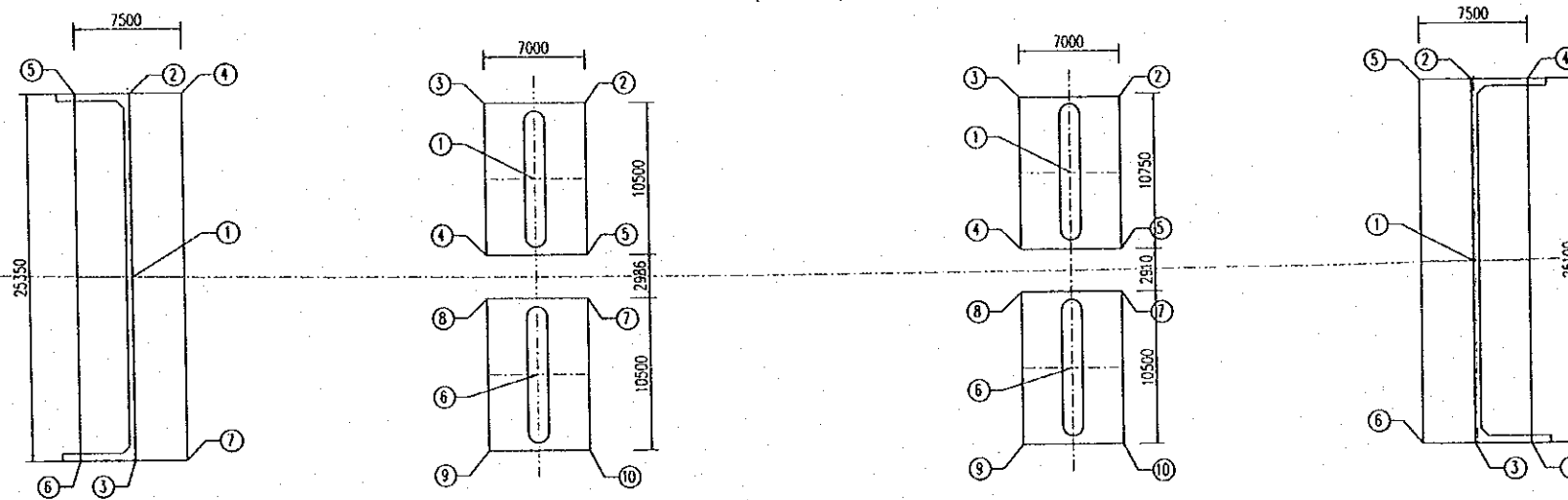
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>			<i>[Signature]</i>
DATE	20/9/2000	29/9/2000	5/10/2000						

SIDE ELEVATION



PLAN

(SCALE 1:500)



COORDINATES TABLE

POINT	A1		P1		P2		A2	
	N	E	N	E	N	E	N	E
1	585481.369	1107195.285	585460.044	1107175.775	585427.675	1107157.444	585400.071	1107149.109
2	585487.580	1107184.237	585459.565	1107169.483	585427.196	1107151.152	585406.221	1107138.169
3	585475.157	1107206.334	585465.633	1107172.894	585433.297	1107154.582	585393.921	1107160.049
4	585484.442	1107182.473	585460.522	1107182.066	585428.152	1107163.735	585402.818	1107136.256
5	585490.980	1107186.148	585454.420	1107178.636	585422.050	1107160.304	585409.356	1107139.931
6	585478.557	1107208.245	585453.435	1107187.531	585421.103	1107169.133	585397.055	1107161.811
7	585472.019	1107204.570	585452.956	1107181.239	585420.624	1107162.841	585390.518	1107158.135
8			585459.058	1107184.669	585426.726	1107166.271		
9			585453.913	1107193.822	585421.580	1107175.424		
10			585447.811	1107190.391	585415.479	1107171.994		

NOTES

- FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/BR3/0030
- SYMBOLS :
F : FIXED BEARING
M : MOVABLE BEARING

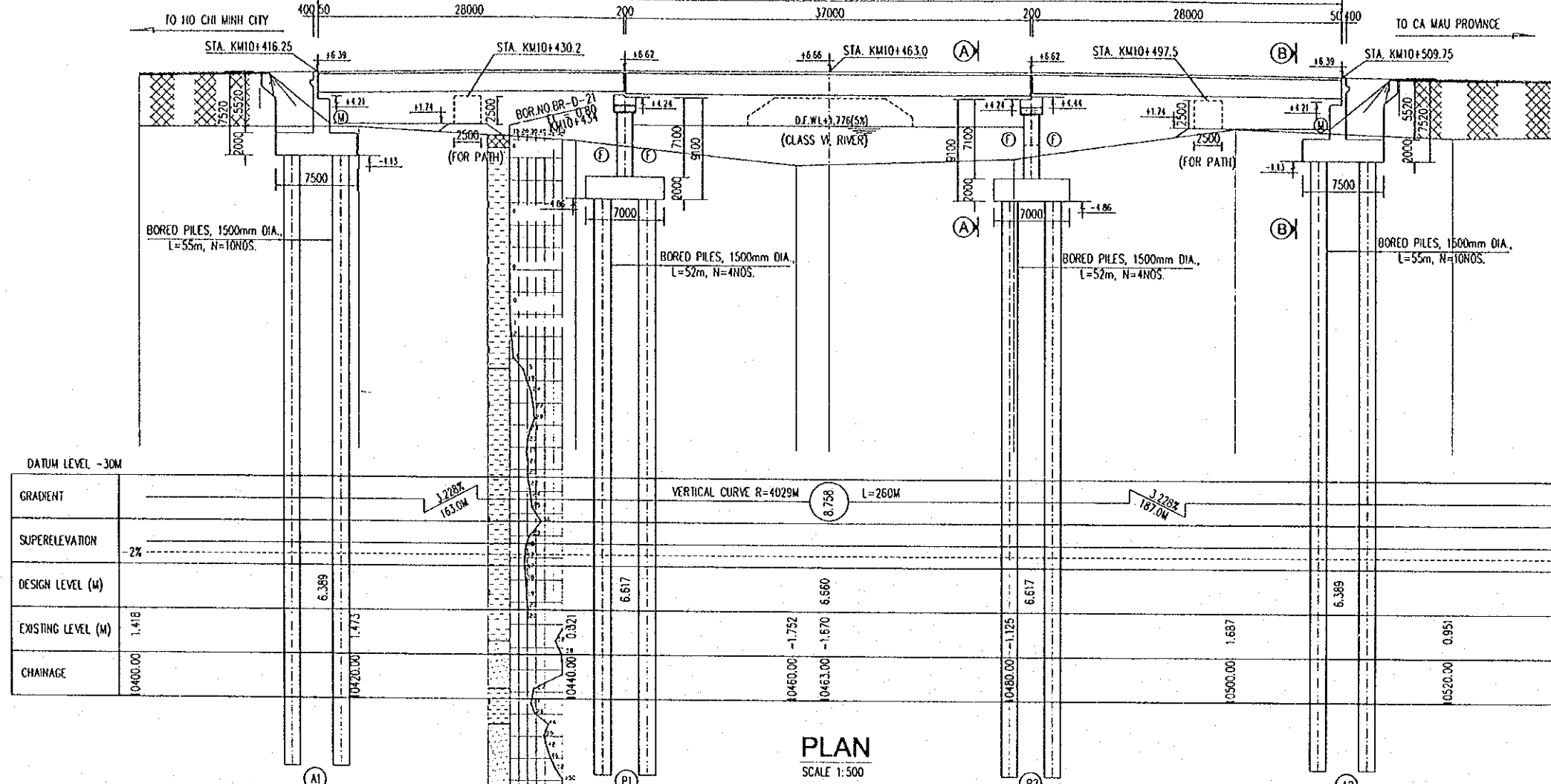
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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	CAI DA BRIDGE GENERAL COORDINATES OF BRIDGE	P3/BR3/0050

SIDE ELEVATION

(HO CHI MINH CITY - CA MAU PROVINCE DIRECTION)

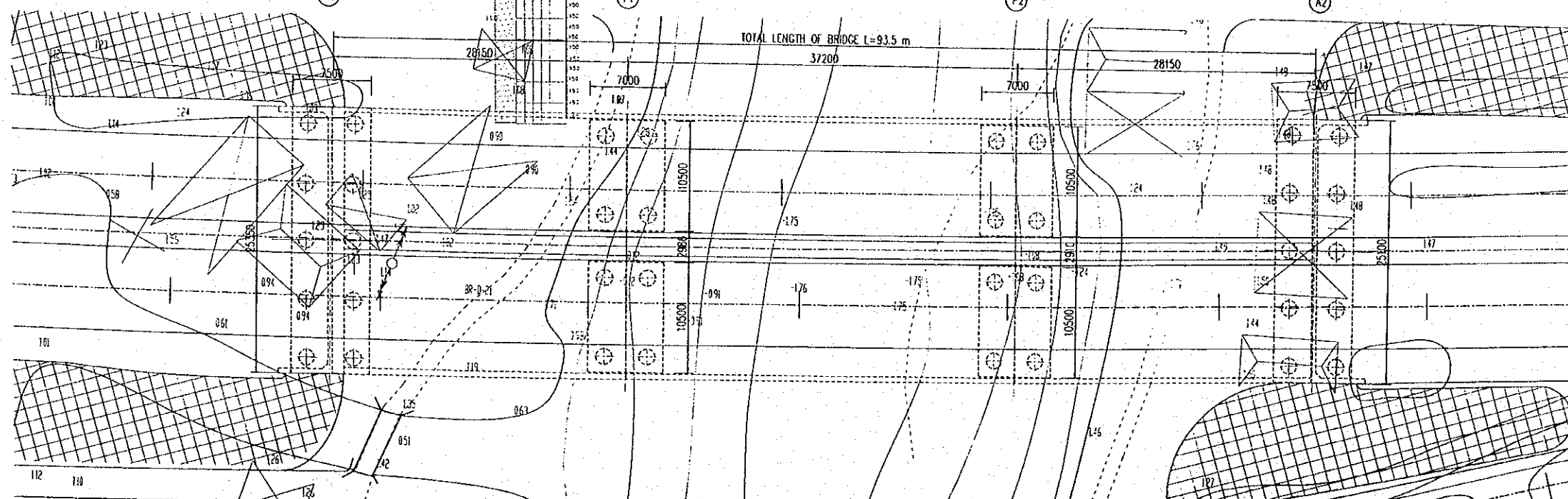
(SCALE 1:500)

TOTAL LENGTH OF BRIDGE L=93.50 m.



PLAN

SCALE 1:500



NOTES

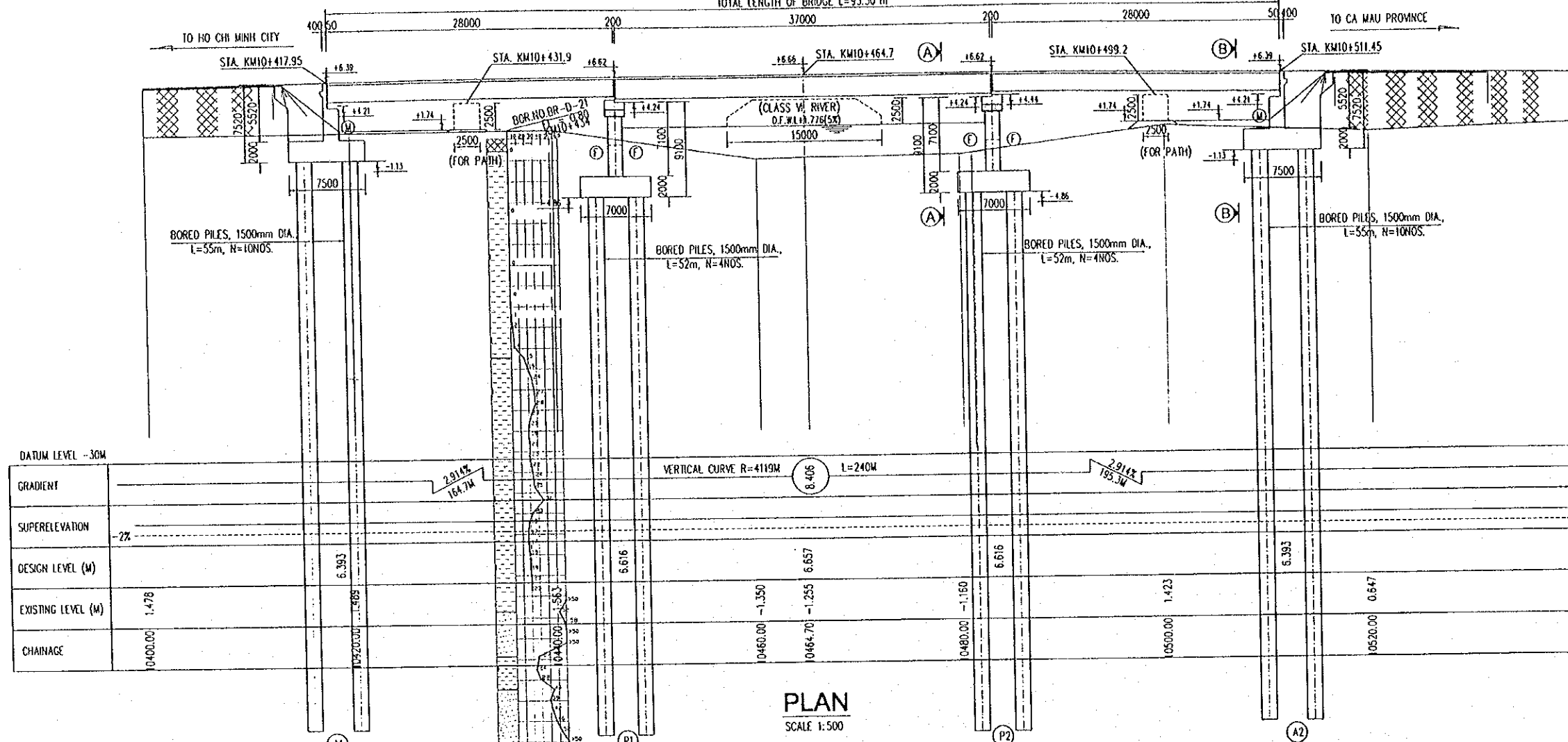
- FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/BR3/0030
- SYMBOLS :
 - F : FIXED BEARING
 - M : MOVABLE BEARING

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	NAME K. Matsumoto	NAME K. Enomoto	CAI DA BRIDGE GENERAL GENERAL VIEW - SHEET 1	P3/BR3/0060
				SIGNATURE <i>T. Kametani</i>	SIGNATURE <i>K. Matsumoto</i>	SIGNATURE <i>K. Enomoto</i>		
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		

SIDE ELEVATION (CA MAU PROVINCE - HO CHI MINH CITY DIRECTION)

(SCALE 1:500)

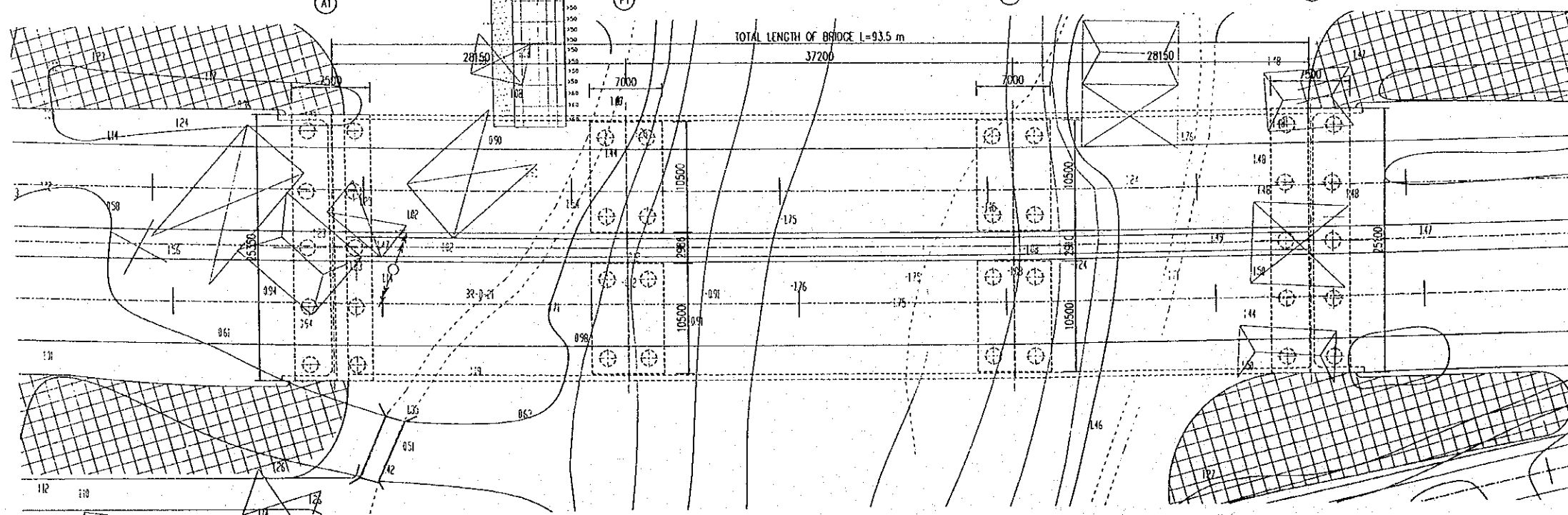
TOTAL LENGTH OF BRIDGE L=93.50 m



DATUM LEVEL -30M	
GRADIENT	2.914% 164.7M
SUPERELEVATION	-2%
DESIGN LEVEL (M)	6.393
EXISTING LEVEL (M)	1.478
CHAINAGE	10+00.00

VERTICAL CURVE	R=4119M	L=240M
GRADIENT	2.914% 164.7M	2.914% 164.7M
DESIGN LEVEL (M)	6.406	6.657
EXISTING LEVEL (M)	-1.350	-1.255
CHAINAGE	10+60.00	105+00.00

PLAN
SCALE 1:500



NOTES

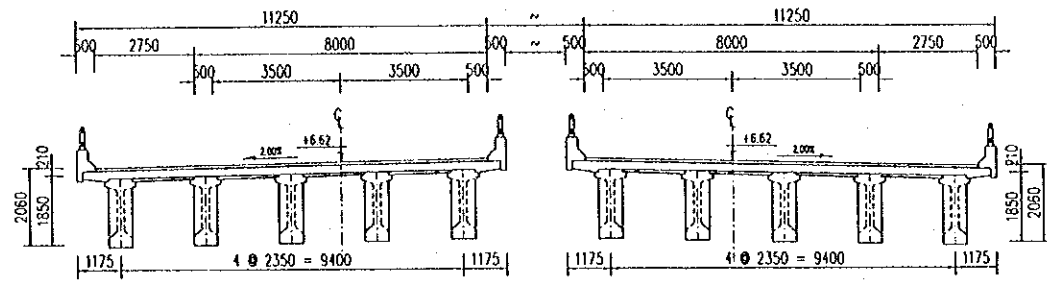
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/BR3/0030
2. SYMBOLS :
 F : FIXED BEARING
 M : MOVABLE BEARING

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	CAI DA BRIDGE GENERAL GENERAL VIEW - SHEET 2	P3/BR3/0070
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>		
				DATE	20/9/2000	29/9/2000		

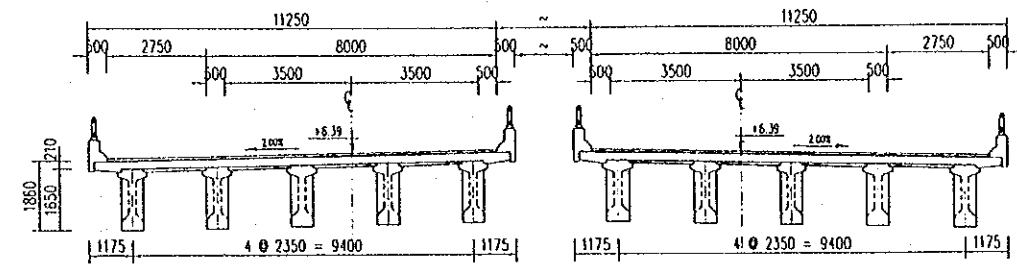
TYPICAL SECTIONS FOR SUPERSTRUCTURE

(SCALE 1:200)

AT MIDDLE SPAN



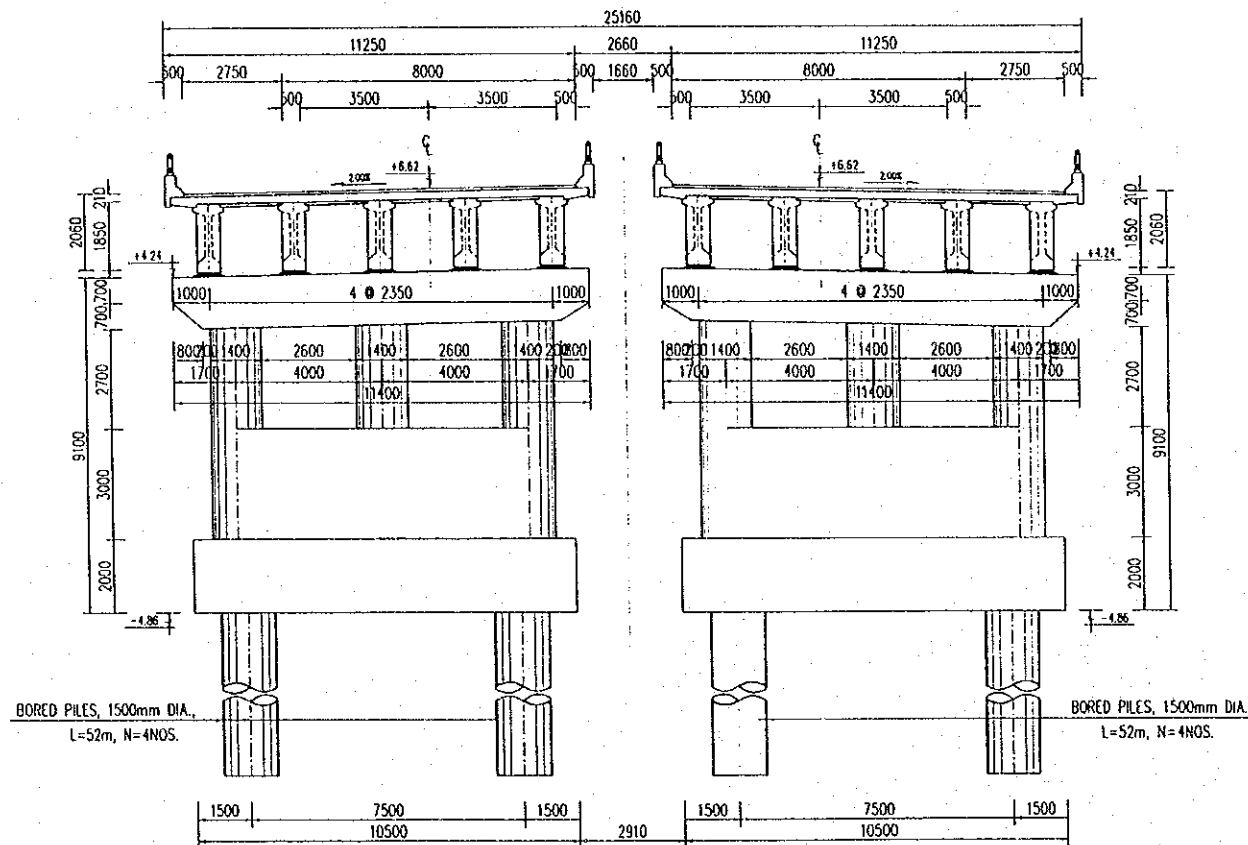
AT SIDE SPAN



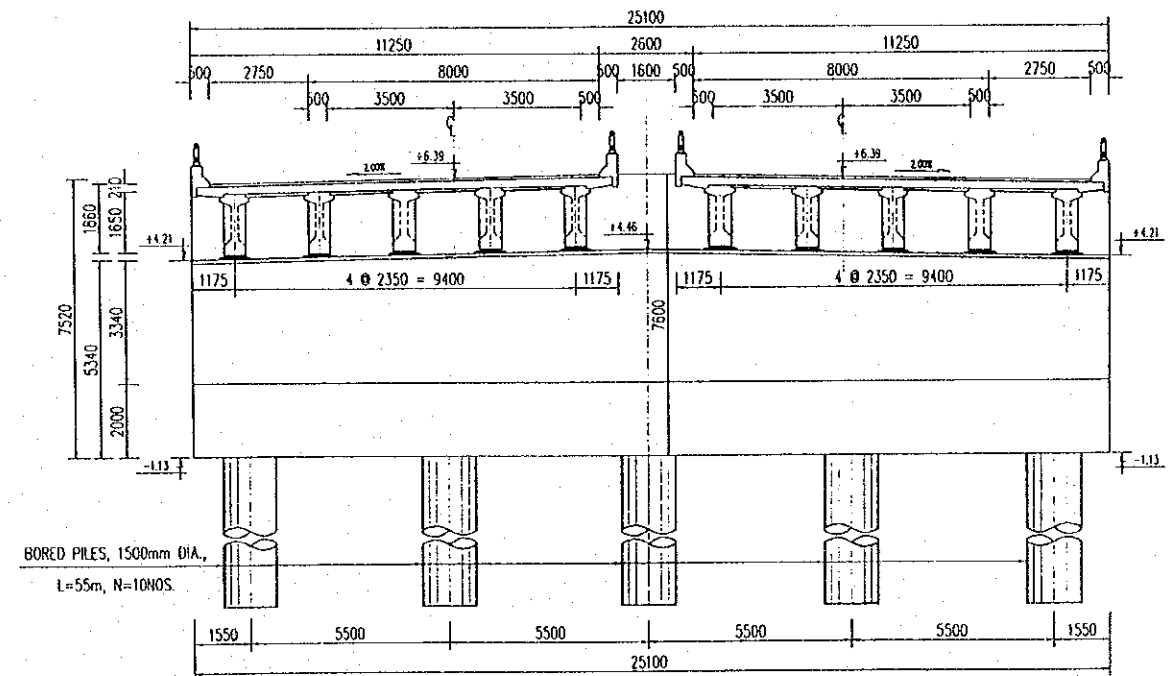
CROSS SECTIONS

(SCALE 1:200)

A - A (PIER P2)



B - B (ABUTMENT A2)



NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING No. P3/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBİ CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE GENERAL GENERAL VIEW - SHEET 3	P3/BR3/0080
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

QUANTITY TABLE OF CAIDA BRIDGE

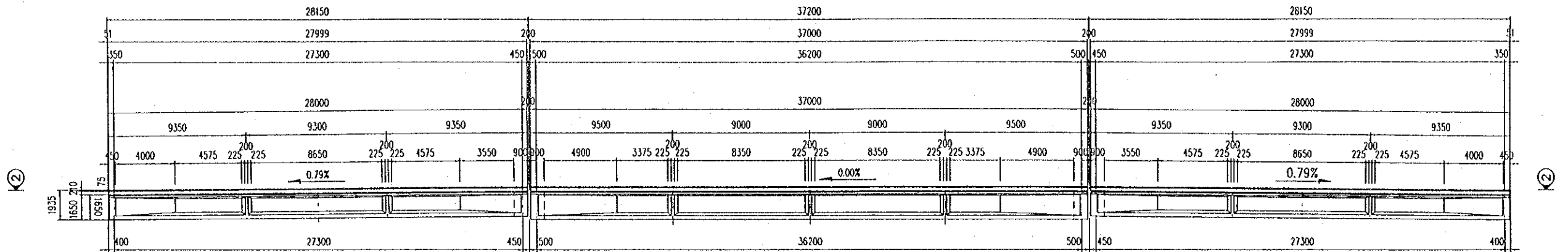
ITEMS	UNIT	SUPERSTRUCTURE	ABUTMENTS	PIERS	MISCELLANEOUS WORKS			TOTAL
					DRAINAGE	LIGHTING-BASE	RAILING	
CONCRETE	CLASS B	m3	703.6					703.6
	CLASS D	m3	696.4	1943.9	1470.3			4110.5
	CLASS E	m3		1241.9	922		0.2	2259.2
	CLASS G	m3		63.7	56			119.7
	12 S15.2	ton						0.0
	12 S12.7	ton	7.7					7.7
	3 S12.7	ton	0.4					0.4
SHEATHING	CABLES ϕ 80/85	m	3503.7					3503.7
	CABLES ϕ 50/55	m	723.6					723.6
	CEMENT GROUT IN SHEATHING	m3	19.9					19.9
STEEL JOINT KEY	set	240.0						240.0
ANCHORAGE	CABLES 12S12.7	live	set	220.0				220.0
		dead	set					0.0
	CABLES 3S12.7	live	set	144.0				144.0
		dead	set					0.0
REINFORCEMENT	D \leq 14	ton	158.361	23.1	19.0		14.8	215.3
	16 \leq D \leq 25	ton	109.177	138.9	54.6		0.1	302.9
	25 $<$ D \leq 32	ton		37.1	31.3			68.4
	TOTAL	ton	267.538	199.1	105.0		0.1	586.6
EXPANSION JOINT	100mm	m	43.0					43.0
BEARING	Non-Shrink Mortar	m3						0.0
	600 x 300 x 57	set	20.0					20.0
	500 x 250 x 50	set	40					40.0
ANCHORAGE BAR	ϕ 75 mm, L=1250mm	set	48.0					48.0
	ϕ 125 mm, L=2500mm	set						0.0
PVC PILE	ϕ 50 mm	m		106.0				106.0
DRAINAGE	Pol	m				14.0		14
	Pile ϕ 180	m				24.6		24.6
LIGHTING POLE		set					2	2.0
PAVEMENT	WATER PROOFING 5 mm	m2	2010.3					2010.3
	ASPHALT CONCRETE 70 mm	m2	2010.3					2010.3
GEOTEXTILE		m2		532.0				532.0
STONE MASONRY T=300mm		m3		533.1				533.1
BLINDING AGGREGATE T=100mm		m3		168.8				168.8
RIP RAP		m3			2408			2408.0
BLINDING STONE		m3		71.6	140			211.6
WOODEN PILE, L=3m		m		12720.0				12720.0
EXCAVATION		m3		5880.6	3230.1			9110.7
BACK FILL		m3		2147				2146.6
COFFERDAMS	LARSEN IV	m			27630.9			27630.9
	I 400	m			1440.0			1440.0
	C 300	m			1448.0			1448.0

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 NIPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE CAI DA BRIDGE GENERAL QUANTITY TABLE OF BRIDGE	DWG NO. P3/BR3/0090	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE					
DATE	20/9/2000	29/9/2000	5/10/2000						

II. SUPERSTRUCTURE

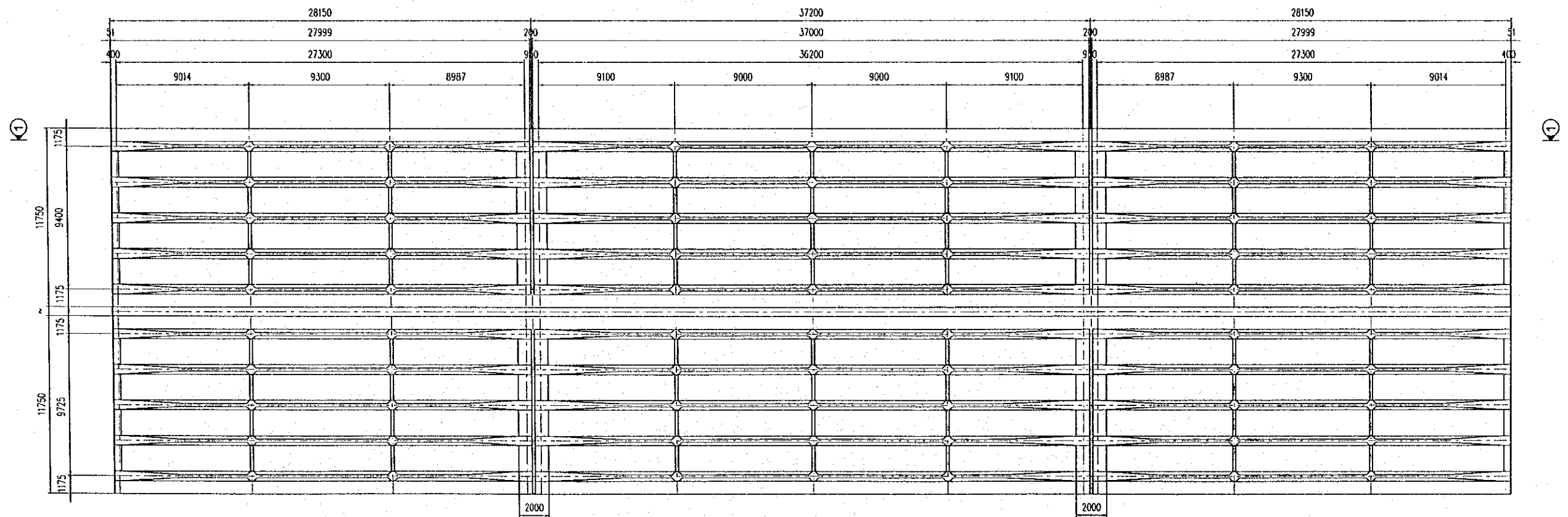
SECTION 1 - 1

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SECTION 2 - 2

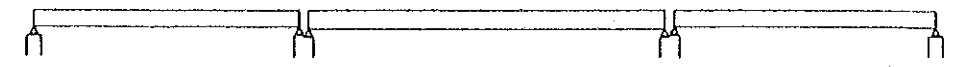
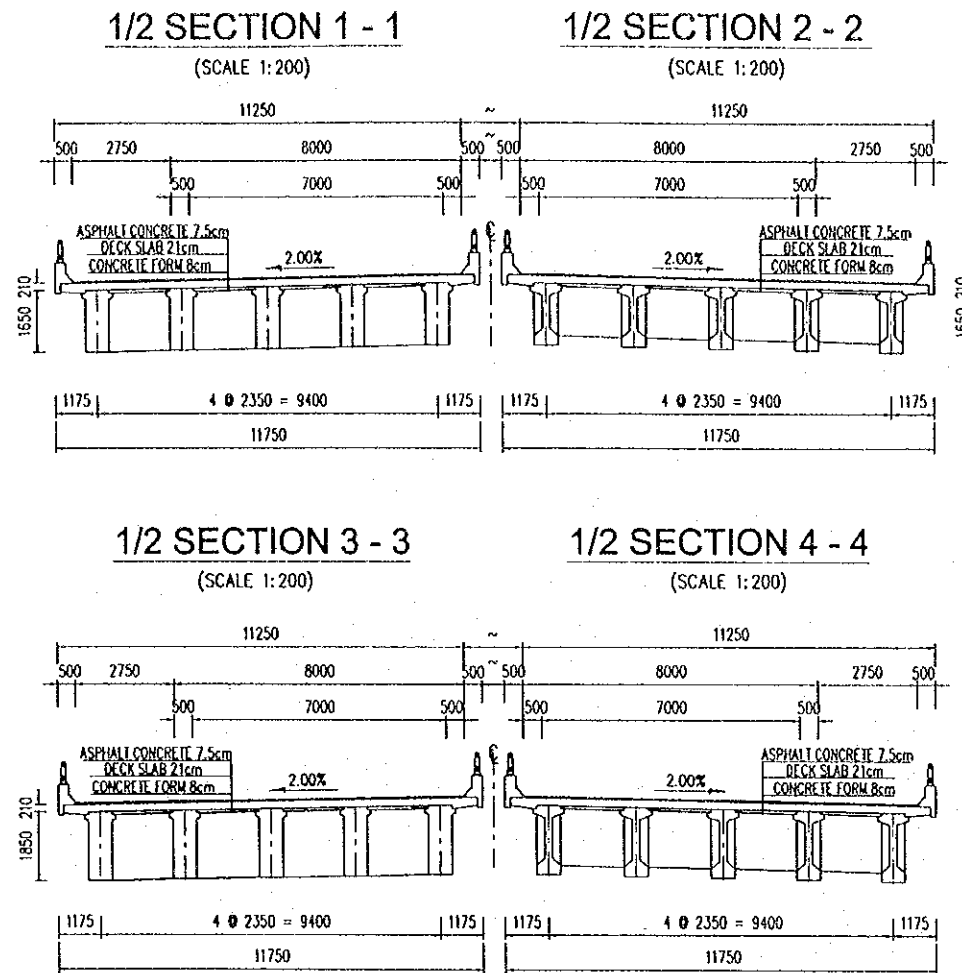
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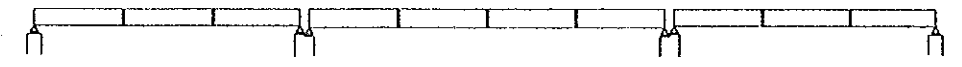
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

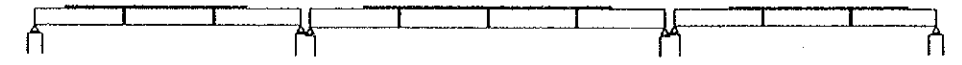
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	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	CAI DA BRIDGE SUPERSTRUCTURE GIRDER LAYOUT - SHEET 1	P3/BR3/0100



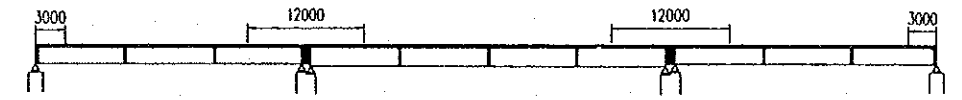
STEP - 1 ERECTION I-GIRDER



STEP - 2 CONSTRUCT INTERMEDIATE DIAPHRAGM



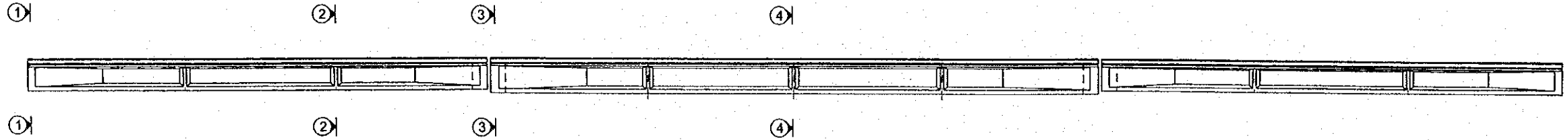
STEP - 3 CONSTRUCT SLAB EXCEPT CONNECTION



STEP - 4 CONSTRUCT CONNECTION & END DIAPHRAGM

CONSTRUCTION SEQUENCE

MARKING DIAGRAM

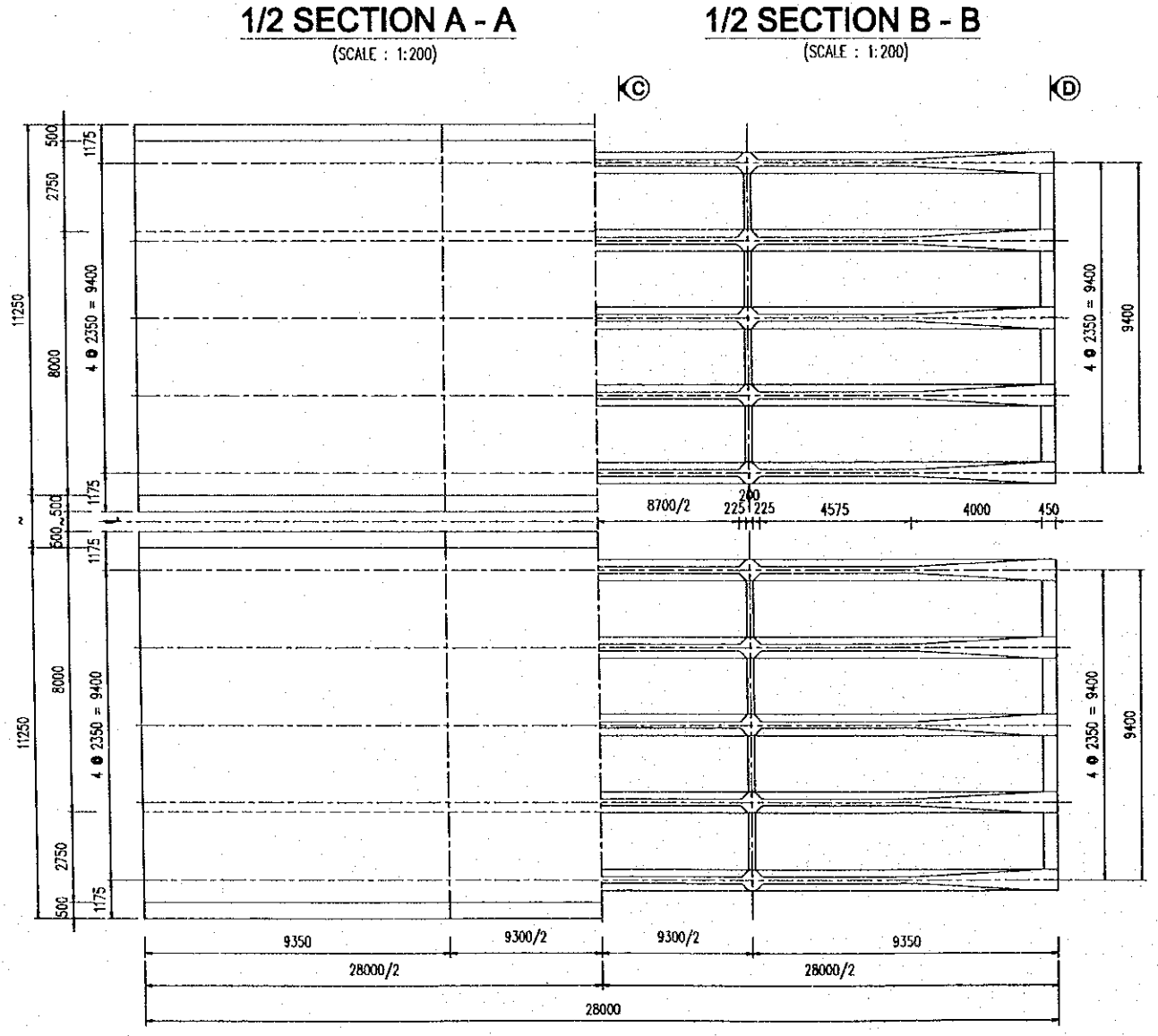
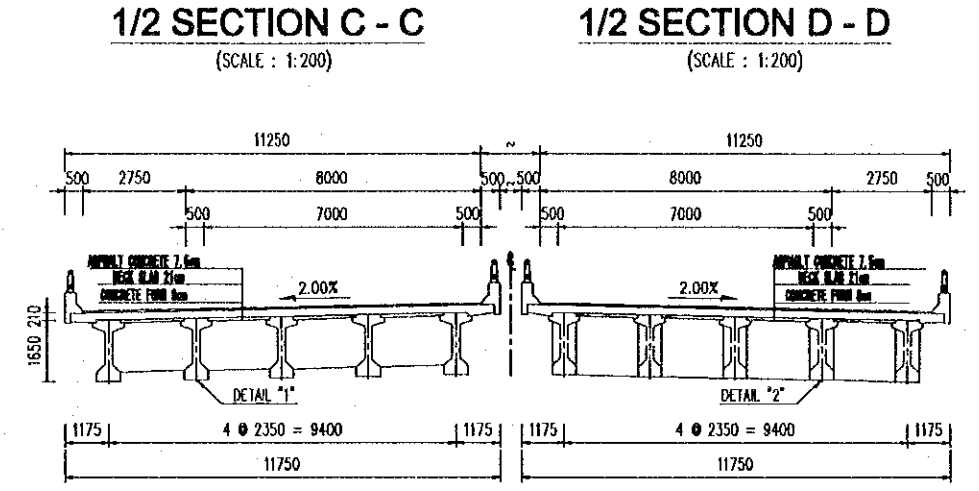
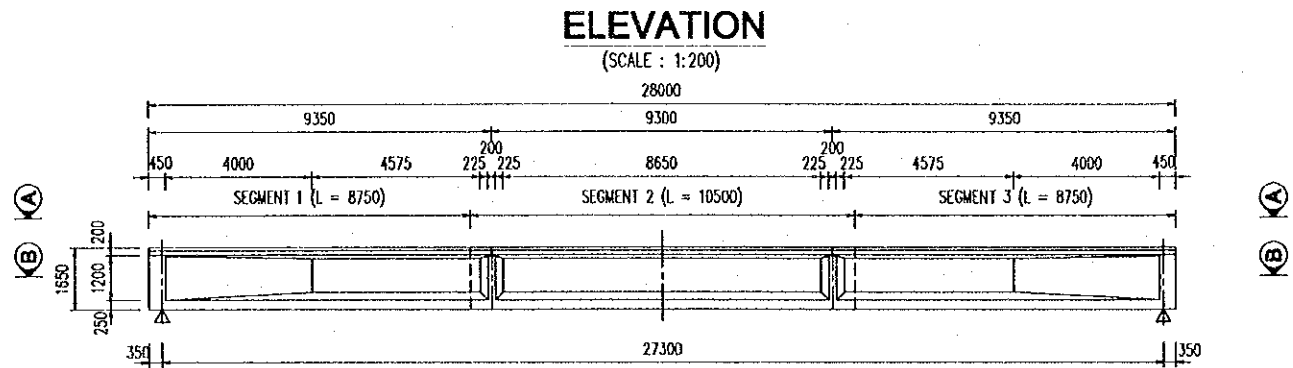


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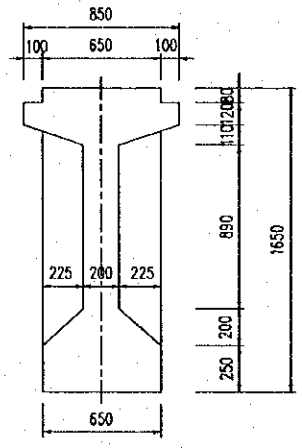
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO.,LTD.	NAME T. Kametani SIGNATURE DATE 20/9/2000	K.Matsumoto 29/9/2000	K. Enomoto 5/10/2000	CAI DA BRIDGE SUPERSTRUCTURE GIRDER LAYOUT - SHEET 2	P3/BR3/0110

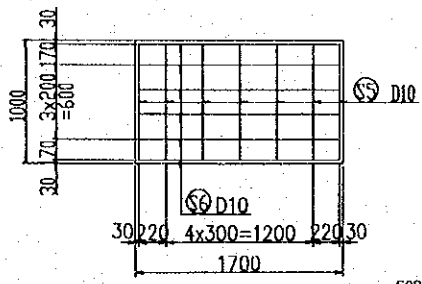
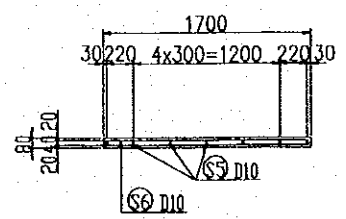
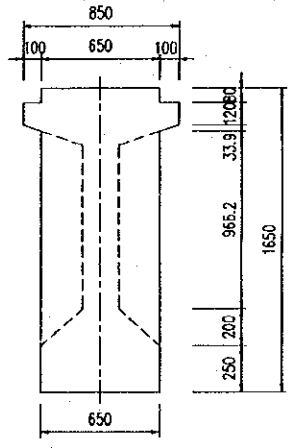
DETAIL OF SUPER STRUCTURE FOR CAI DA BRIDGE
(Ls = 27.3M)



DETAIL "1"
(SCALE : 1:40)



DETAIL "2"
(SCALE : 1:40)



NOTES :

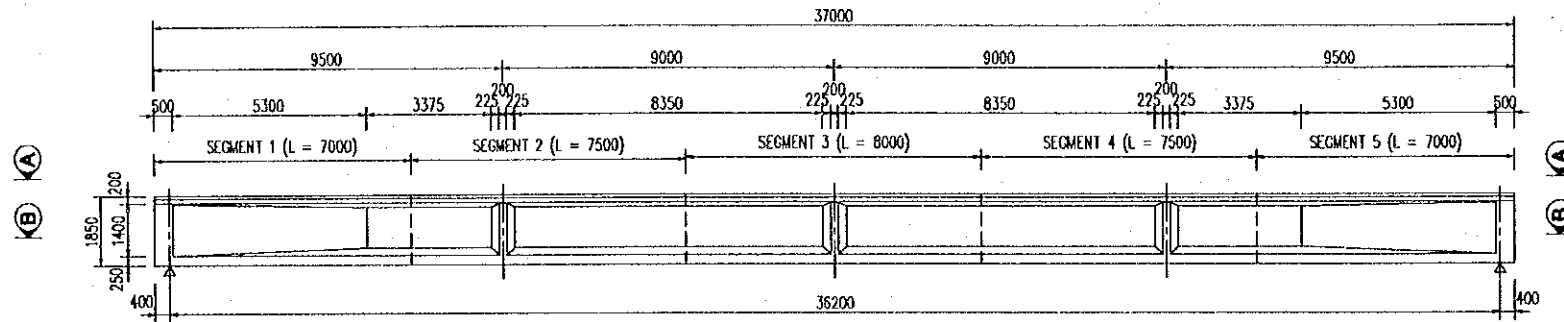
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM (NK) NIPPON KOBİ CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	CHECKED BY K. Matsumoto 29/9/2000	APPROVED BY K. Enomoto 5/10/2000	DRAWING TITLE CAI DA BRIDGE SUPERSTRUCTURE GENERAL VIEW OF "T" GIRDER L = 28M	DWG NO. P3/BR3/0120
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DETAIL OF SUPER STRUCTURE FOR CAI DA BRIDGE
(Ls = 36.2M)

ELEVATION

(SCALE : 1:200)



1/2 SECTION A - A

(SCALE : 1:200)

1/2 SECTION B - B

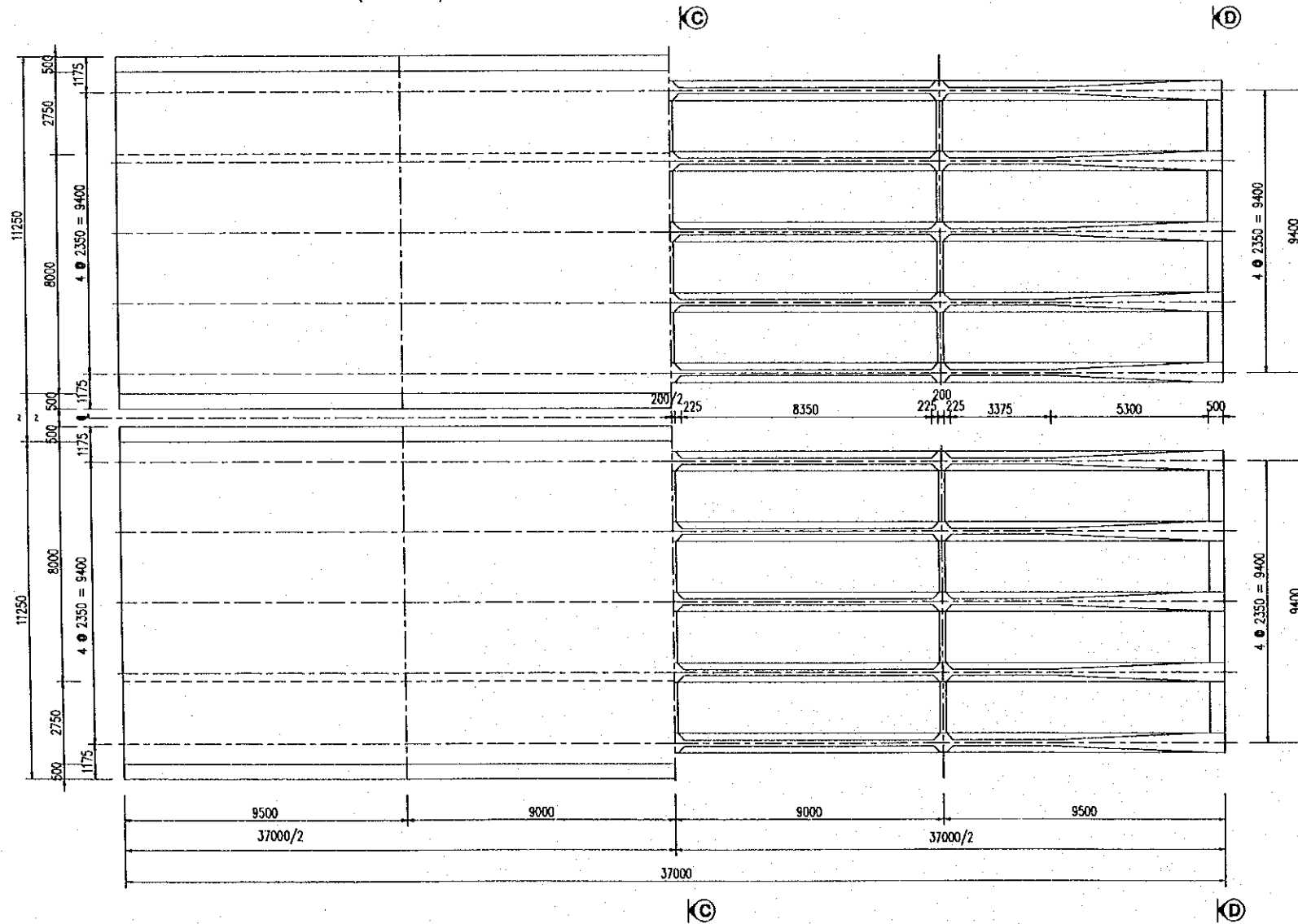
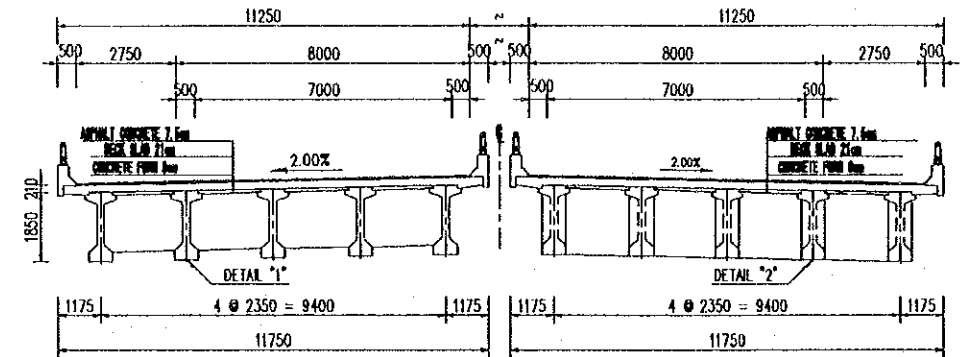
(SCALE : 1:200)

1/2 SECTION C - C

(SCALE : 1:200)

1/2 SECTION D - D

(SCALE : 1:200)

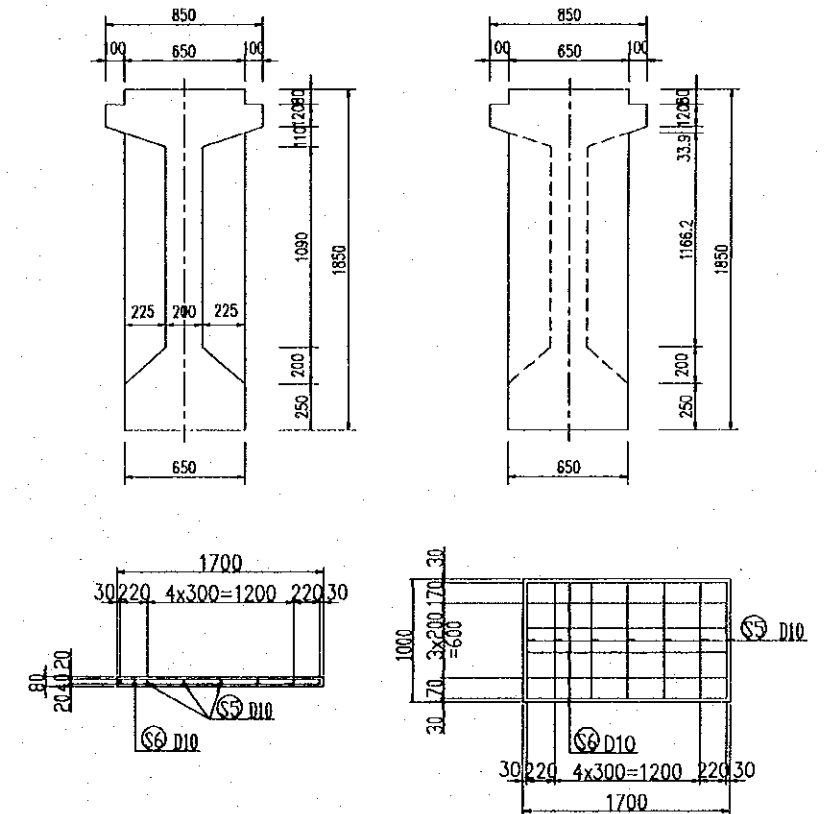


DETAIL "1"

(SCALE : 1:40)

DETAIL "2"

(SCALE : 1:40)

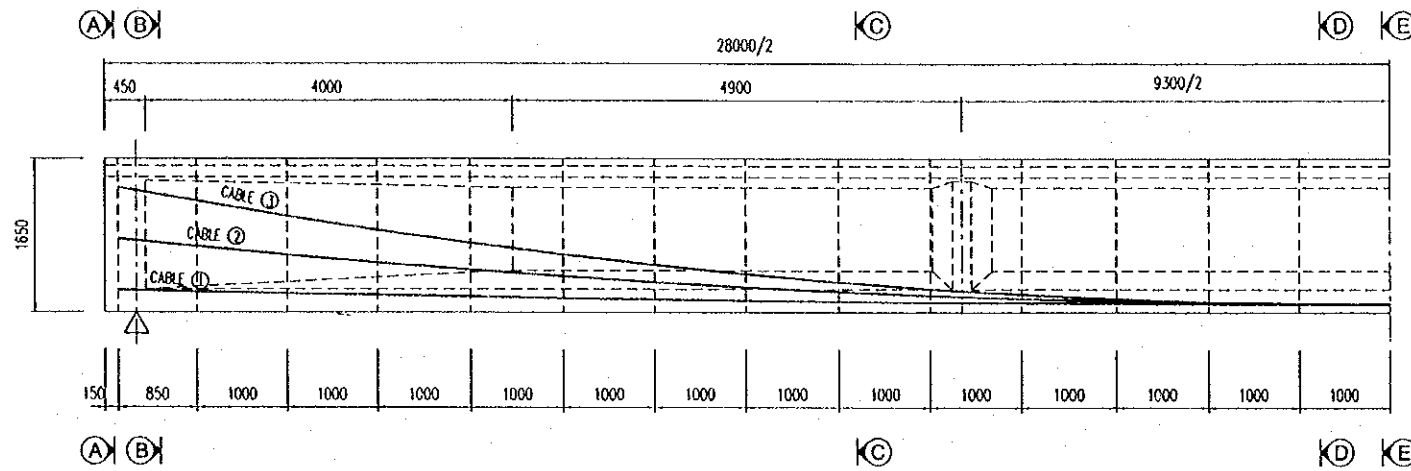


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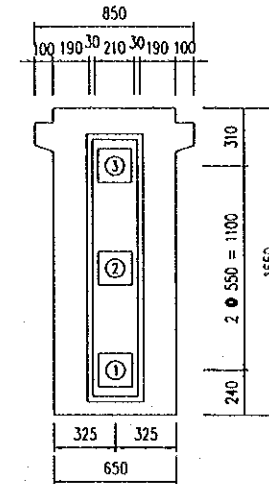
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON 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	CAI DA BRIDGE SUPERSTRUCTURE GENERAL VIEW OF "T" GIRDER L = 37M	P3/BR3/0130

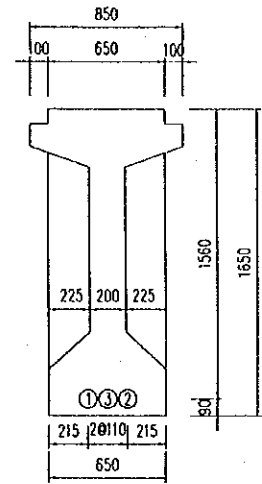
PC CABLE ARRANGEMENT OF GIRDER FOR CAI DA BRIDGE (Ls = 27.3M)



SECTION A - A
(SCALE 1 : 40)



SECTION E - E
(SCALE 1 : 40)



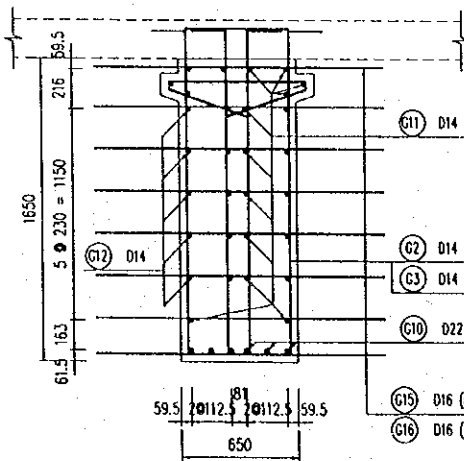
POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER

L	13850	13000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	225	207	185	166	149	134	121	110	101	94	89	86	85	85
CABLE ②	515	458	393	335	282	236	196	162	134	113	97	88	85	85
CABLE ③	805	710	601	503	416	338	271	214	168	131	106	90	85	85
CABLE ④	1095	976	841	718	608	511	427	356	298	253	221	201	195	195
CABLE ⑤	1385	1242	1080	932	801	685	584	499	429	375	336	313	305	305

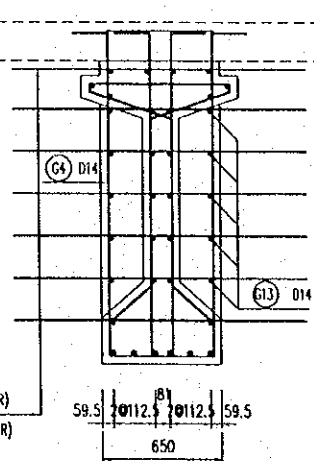
PC CABLE 12 S 12.7				(UNIT : MM)
CABLE No	L1	L2	2 x Σ L1	α
①	1000	12851	27702	19°
②	1004	12869	27746	523'
③	1014	12910	27848	933'

WEIGHT = 83.3 x 9.29 kg/m = 773.8 kg
 SHEATHING Ø 80/85 : 83.3 M
 ANCHORAGE : 6 SET
 CEMENT GROUT IN SHEATHING : 0.42 M3
 CONCRETE : 20.545 M3

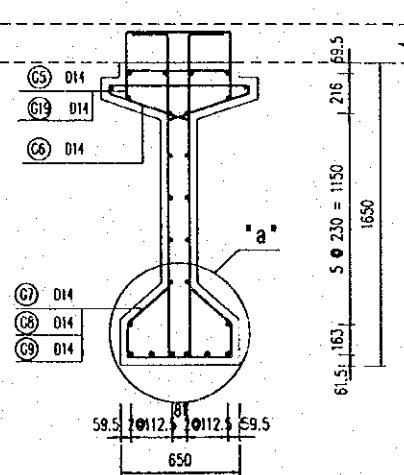
SECTION B - B
(SCALE : 1:40)



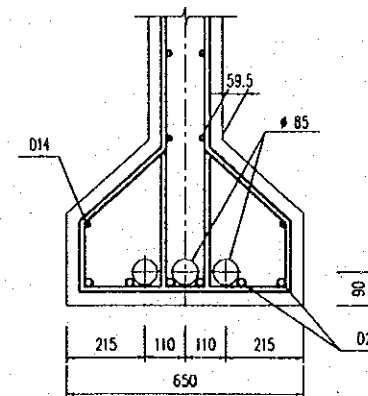
SECTION C - C
(SCALE : 1:40)



SECTION D - D
(SCALE : 1:40)



DETAIL "a"
(SCALE 1:20)

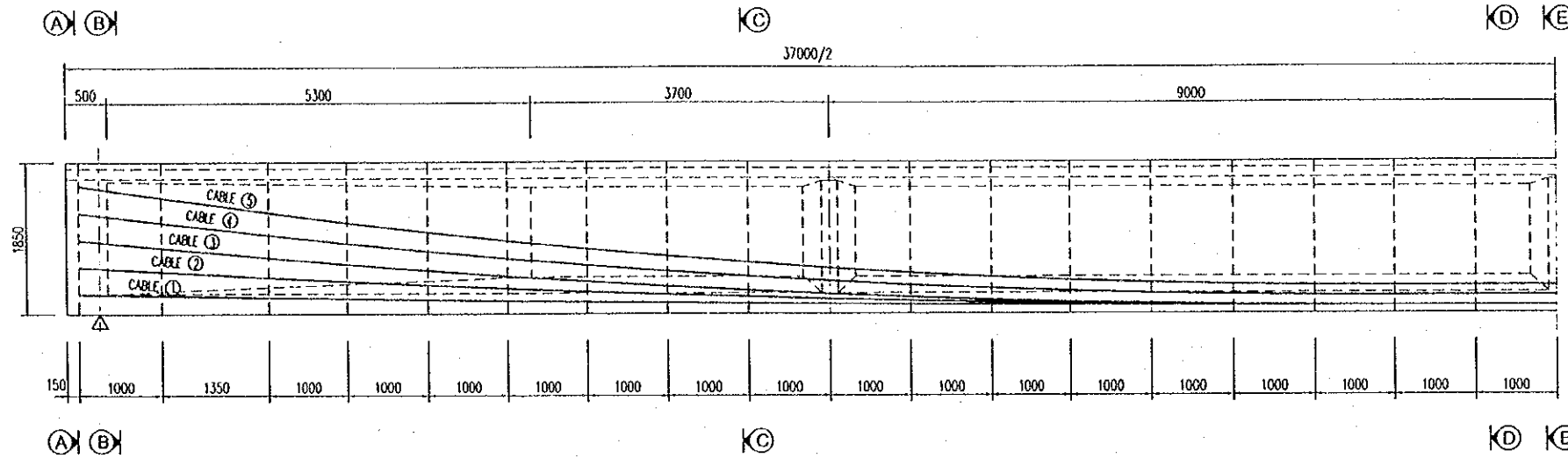


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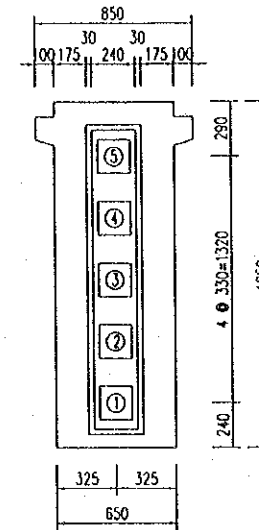
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBELCO.,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	CAI DA BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF "I" GIRDER L=28M	P3/BR3/0140

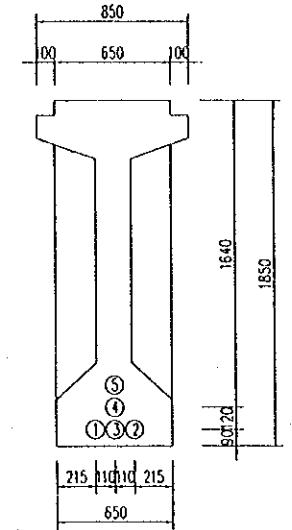
PC CABLE ARRANGEMENT OF GIRDER FOR CAI DA BRIDGE (Ls = 36.2M)



SECTION A - A
(SCALE 1 : 40)



SECTION E - E
(SCALE 1 : 40)



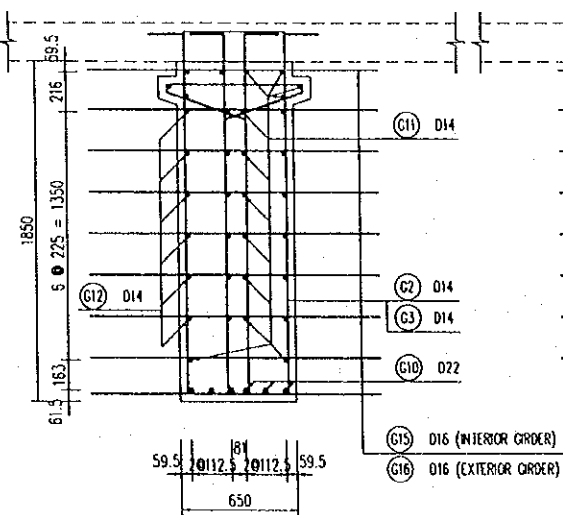
POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER

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

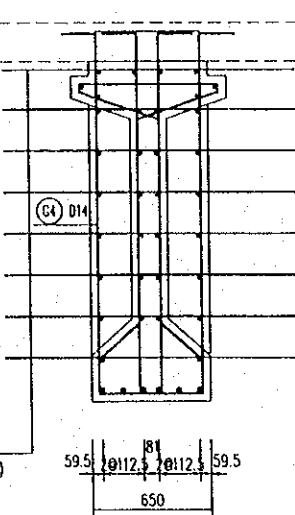
PC CABLE 12 S 12.7 (UNIT : MM)					
CABLE No	L1	L2	L3	2x Σ Li	α
①	1000	15351	2000	36702	0°59'
②	1002	15355	2000	36714	2°52'
③	1004	15373	2000	36754	5°20'
④	1007	15385	2000	36784	6°42'
⑤	1010	15401	2000	36822	8°4'

WEIGHT = 183.78 x 9.29 kg/m = 1707.3 kg
 SHEATHING Ø 80/85 : 183.78 M
 ANCHORAGE : 10 SET.
 CEMENT GROUT IN SHEATHING : 0.923 M3
 CONCRETE : 29.228 M3

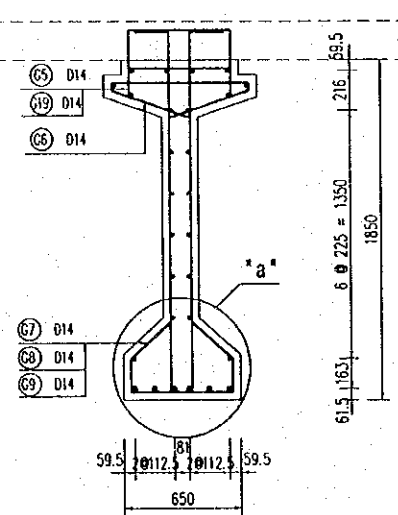
SECTION B - B
(SCALE 1 : 40)



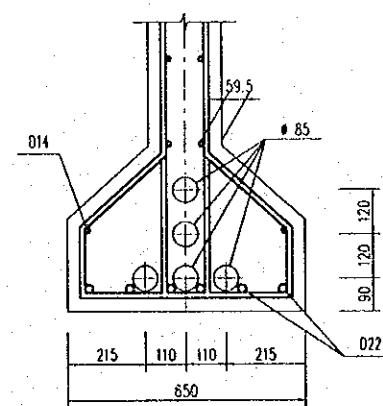
SECTION C - C
(SCALE 1 : 40)



SECTION D - D
(SCALE 1 : 40)



DETAIL "a"
(SCALE 1 : 20)



NOTES :

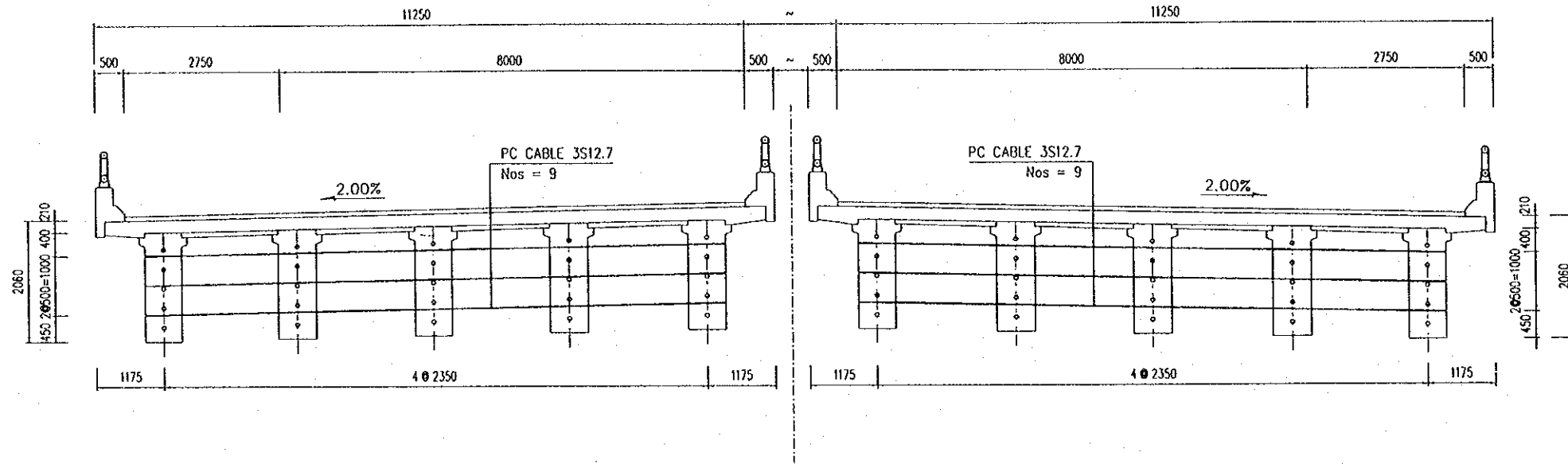
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF "I" GIRDER L=37M	P3/BR3/0150
				NAME	DATE	DATE		
				SIGNATURE	20/9/2000	29/9/2000		
				DATE	20/9/2000	29/9/2000		

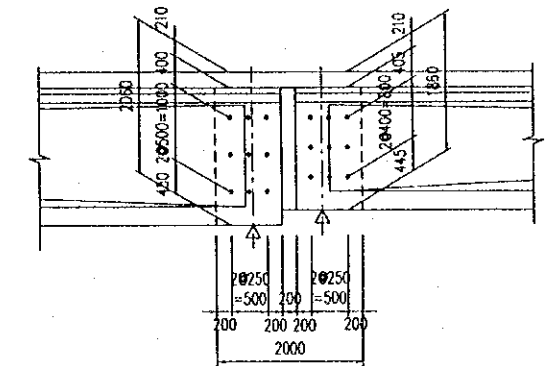
CONNECTION DIAPHRAGM (AT P1,P2)

(SCALE 1 : 100)

SECTION OF "I" GIRDER L=37M



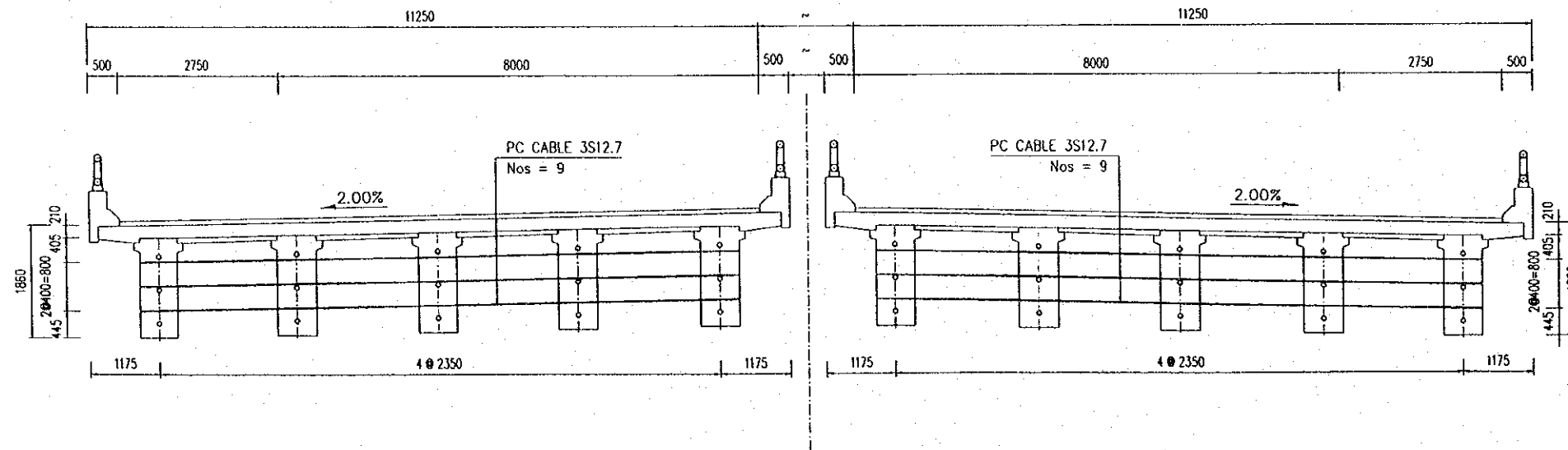
PROFILE



TOTAL QUANTITY

TOTAL WEIGHT OF PC CABLE 3S12.7 = 723.6 x 2.32 kg/m = 1678.8 (kg)
 SHEATHING Ø 50/55 : 723.6 M
 ANCHORAGE : 144 SET
 CEMENT GROUT IN SHEATHING : 1.42 M³

SECTION OF "I" GIRDER L=28M

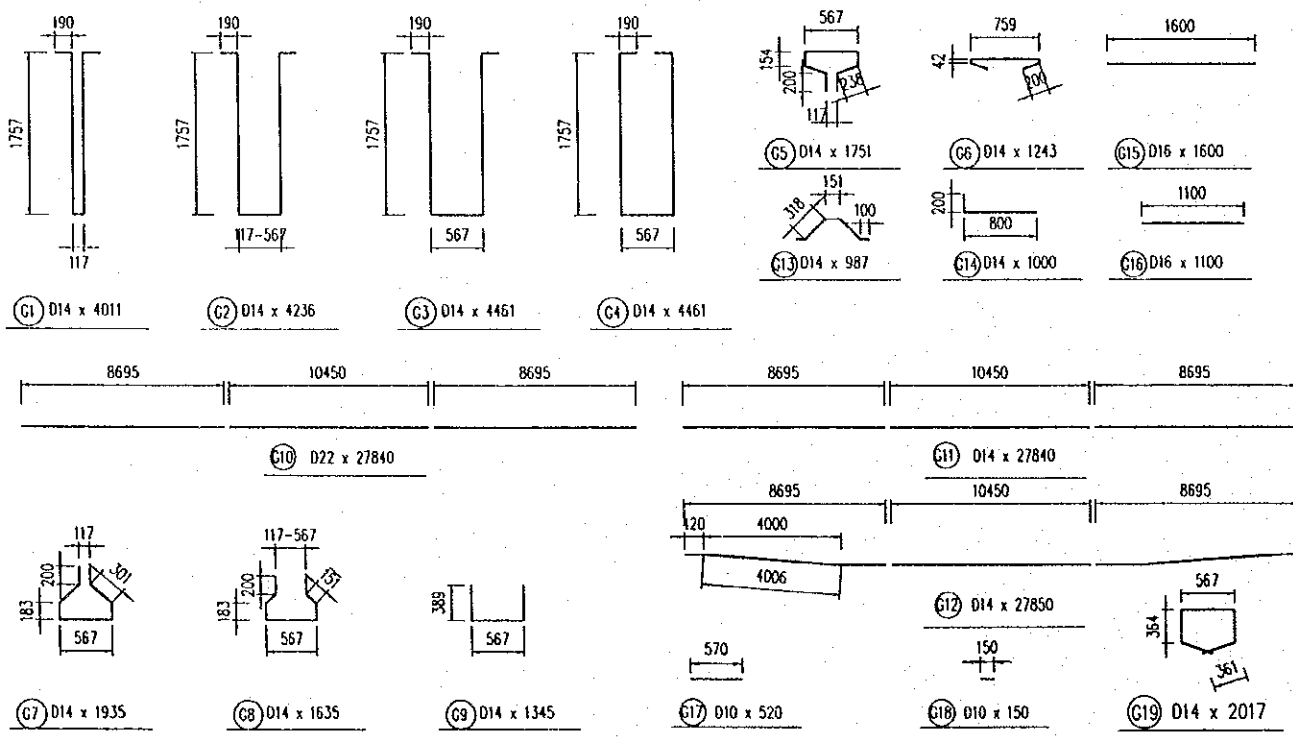
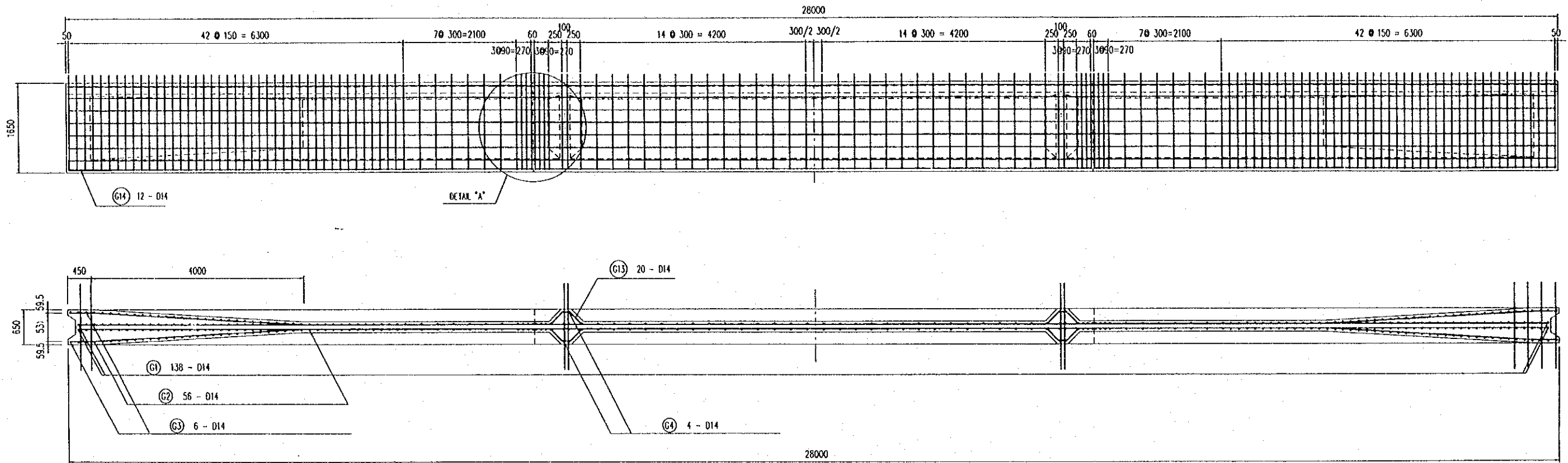


NOTES :

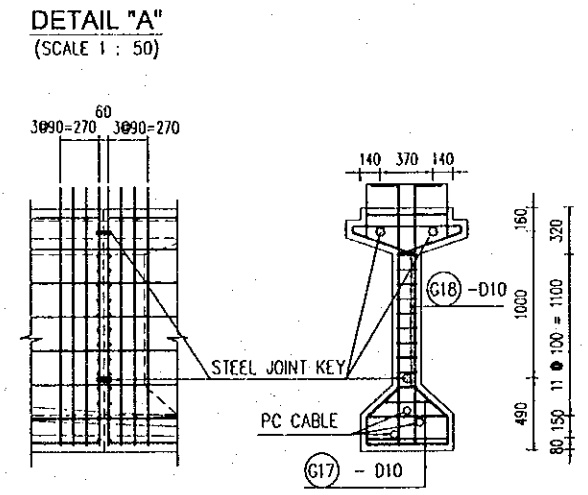
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NK NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE TENDONS ARRANGEMENT OF CONNECTION DIAPHRAGMS	P3/BR3/0160
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

BAR ARRANGEMENT OF GIRDER FOR CAI DA BRIDGE (Ls = 27.3M)



BAR LIST (FOR 1 GIRDER)						
REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4011	138	1.208	668.9	
G2	14	4236	56	1.208	286.7	AVERAGE
G3	14	4461	6	1.208	32.3	
G4	14	4461	4	1.208	21.6	
G5	14	1751	148	1.208	313.2	
G6	14	1243	148	1.208	222.3	
G7	14	1935	86	1.208	201.1	
G8	14	1635	56	1.208	110.6	AVERAGE
G9	14	1345	6	1.208	9.8	
G10	22	27840	6	2.984	498.5	
G11	14	27840	20	1.208	672.8	
G12	14	27850	10	1.208	336.5	
G13	14	987	20	1.208	23.9	
G14	14	1000	12	1.208	14.5	
G15	16	1600	50	1.578	126.3	INTERIOR GIRDER
G16	16	1100	50	1.578	86.7	EXTERIOR GIRDER
G17	10	570	12	0.617	4.2	
G18	10	150	40	0.617	3.7	
G19	14	2017	138	1.208	336.4	
TOTAL			3883.3		(3843.7)	
	D10		7.9		(7.9)	
	D14		3250.6		(3250.6)	
	D16		126.3		(86.7)	
	D22		498.5		(498.5)	
STEEL JOINT KEY : 6 SET						

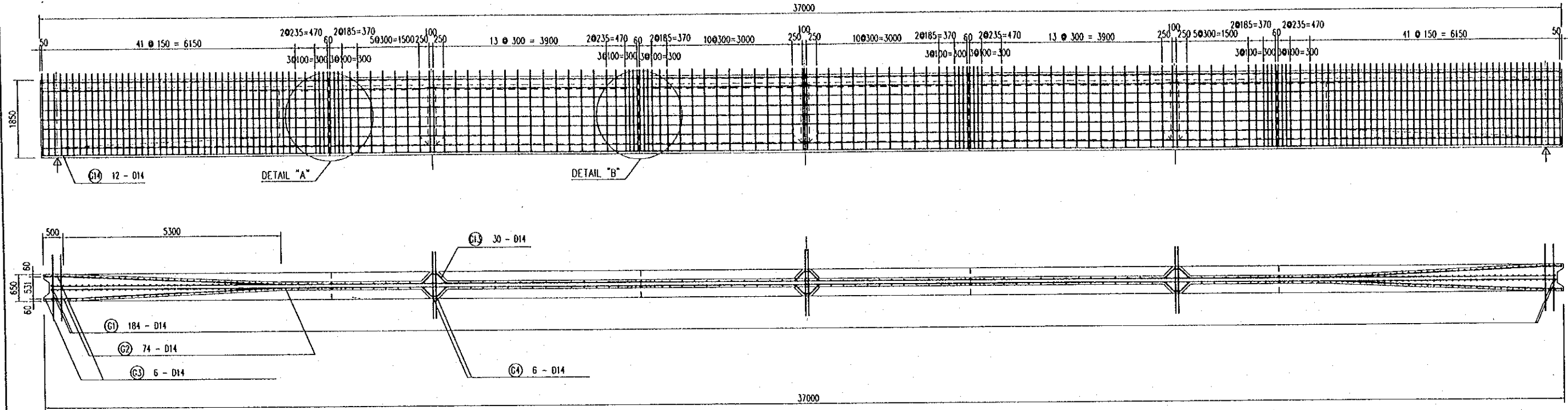


NOTES :

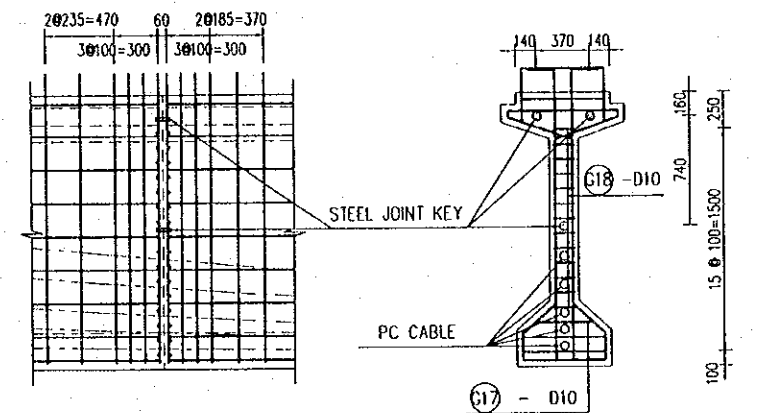
- FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.
- THE VALUE OF INSIDE () ARE FOR EXTERIOR GIRDER.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Karatani SIGNATURE: [Signature] DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	CAI DA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF "I" GIRDER L = 28M	P3/BR3/0170

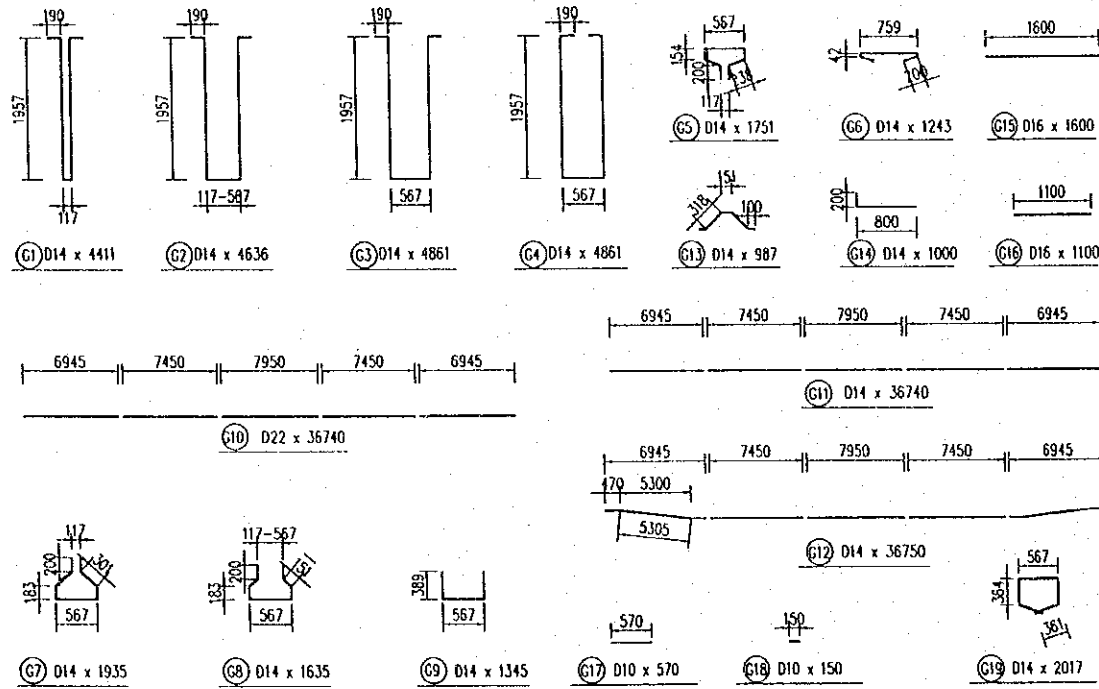
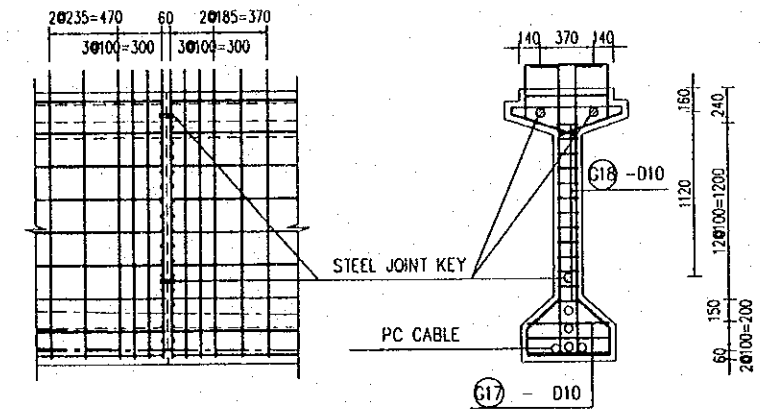
BAR ARRANGEMENT OF GIRDER FOR CAI DA BRIDGE (Ls = 36.2M)



DETAIL "A"
(SCALE 1 : 50)



DETAIL "B"
(SCALE 1 : 50)



REINF No	ØA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	184	1.208	980.8	
G2	14	4636	74	1.208	414.6	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	6	1.208	35.2	
G5	14	1751	196	1.208	414.8	
G6	14	1243	196	1.208	294.4	
G7	14	1935	122	1.208	285.3	
G8	14	1635	74	1.208	146.2	AVERAGE
G9	14	1345	6	1.208	9.8	
G10	22	36740	6	2.984	657.8	
G11	14	36740	22	1.208	976.7	
G12	14	36750	12	1.208	532.9	
G13	14	987	30	1.208	35.8	
G14	14	1000	12	1.208	14.5	
G15	16	1600	74	1.578	186.9	INTERIOR GIRDER
G16	16	1100	74	1.578	128.5	EXTERIOR GIRDER
G17	10	570	24	0.617	8.4	
G18	10	150	104	0.617	9.6	
G19	14	2017	184	1.208	448.5	
TOTAL			5487.3		(5428.9)	
	D10		18.0		(18.0)	
	D14		4624.7		(4624.7)	
	D16		186.9		(128.5)	
	D22		657.7		(657.7)	

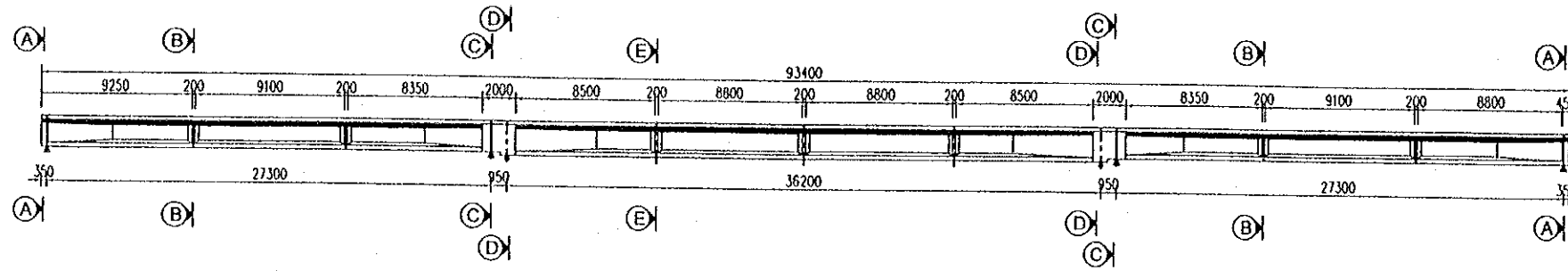
STEEL JOINT KEY : 12 SET

NOTES :

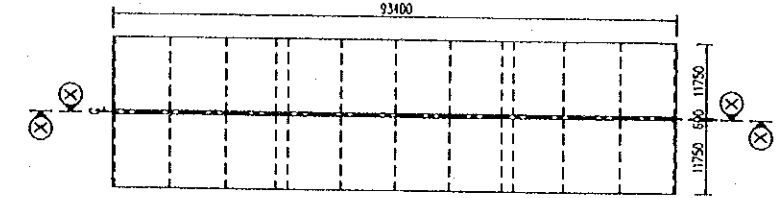
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.
2. THE VALUE OF INSIDE () ARE FOR EXTERIOR GIRDER.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF "I" GIRDER L = 37M	P3/BR3/0180
				SIGNATURE DATE: 20/9/2000	SIGNATURE DATE: 29/9/2000	SIGNATURE DATE: 5/10/2000		

PROFILE X-X



KEY PLAN

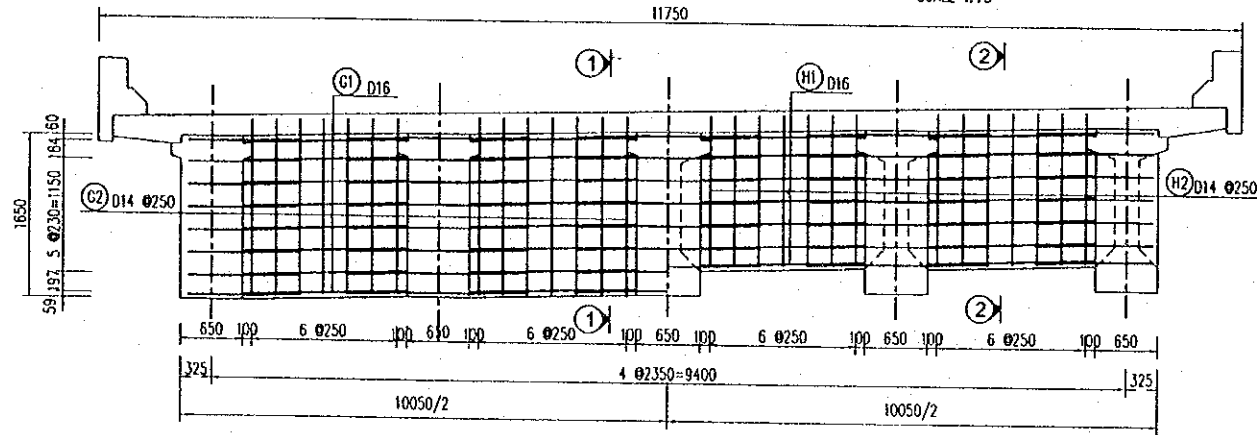


HALF SECTION A-A

SCALE 1:75

HALF SECTION B-B

SCALE 1:75

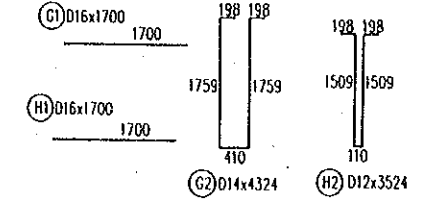
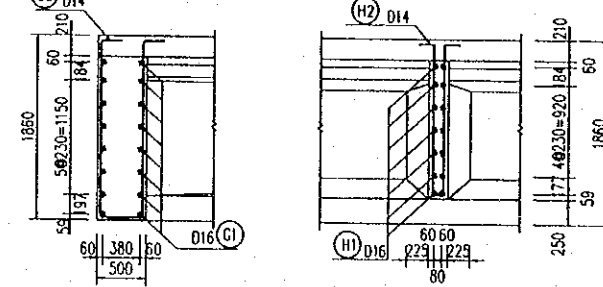


SECTION 1-1

SCALE 1:75

SECTION 2-2

SCALE 1:75

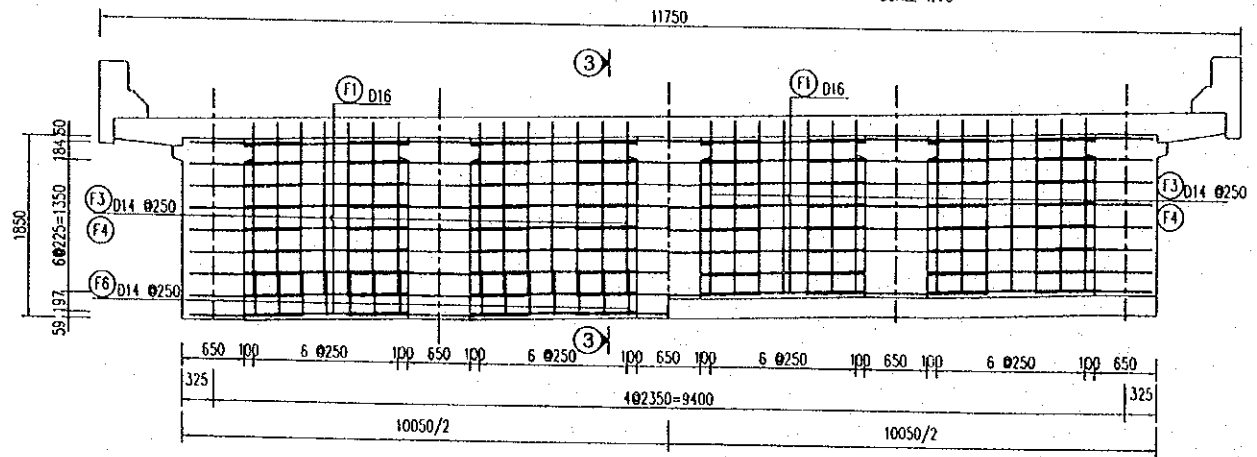


HALF SECTION D-D

SCALE 1:75

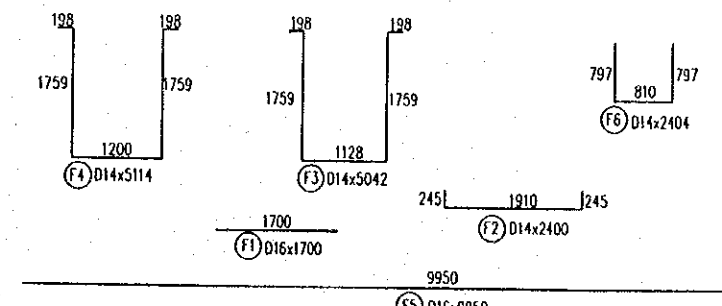
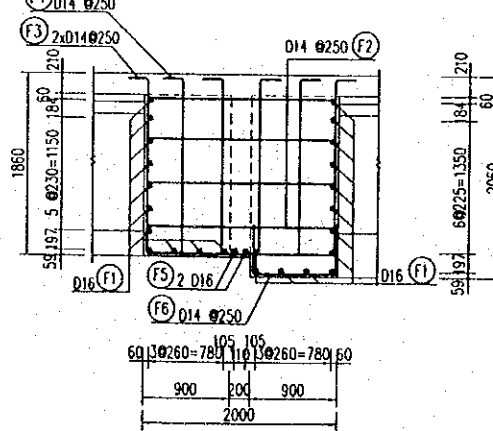
HALF SECTION C-C

SCALE 1:75



SECTION 3-3

SCALE 1:75



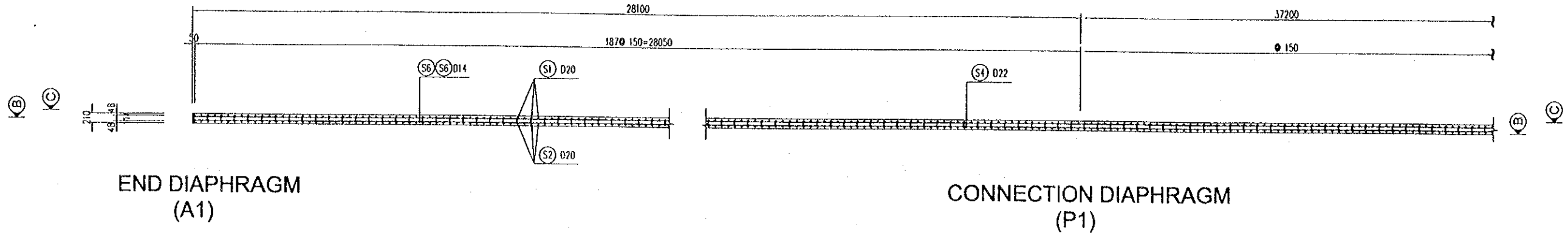
NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE REINFORCEMENT OF DIAPHRAGMS-SHEET 1	P3/BR3/0190
				NAME	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

SECTION A - A

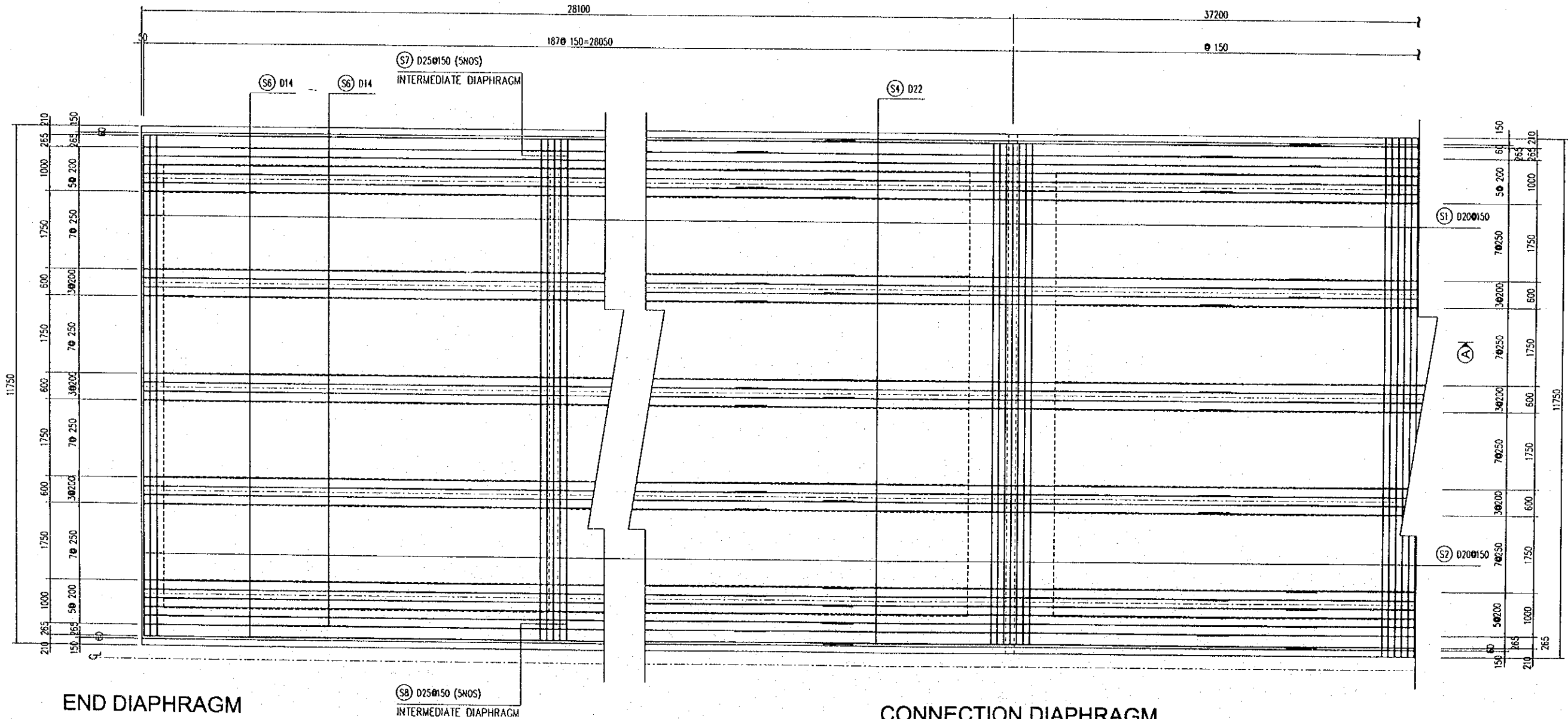
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END DIAPHRAGM (A1)

CONNECTION DIAPHRAGM (P1)

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



END DIAPHRAGM (A1)

S8 D25@150 (SNOS) INTERMEDIATE DIAPHRAGM

CONNECTION DIAPHRAGM (P1)

PLAN SCALE 1:100

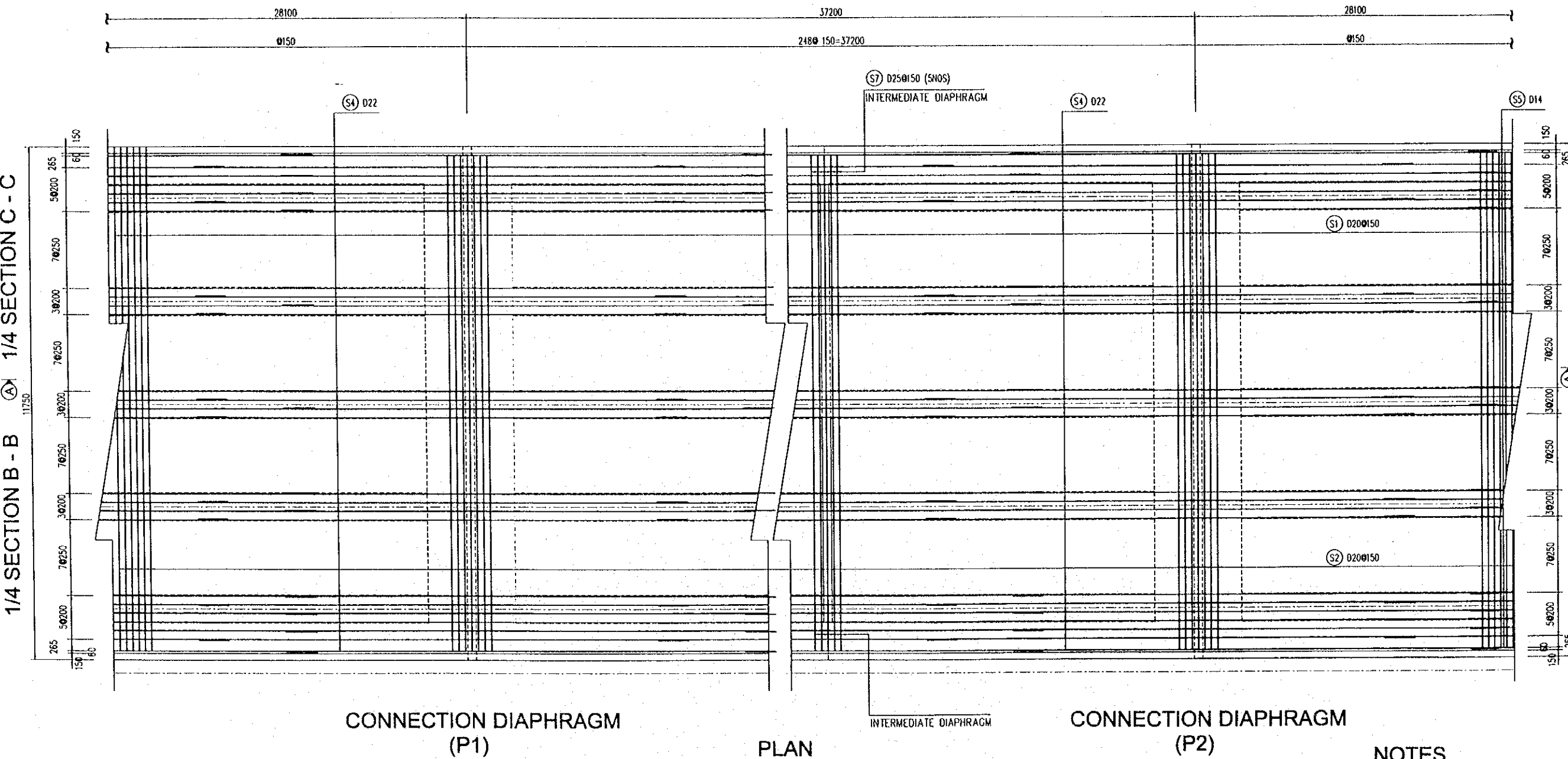
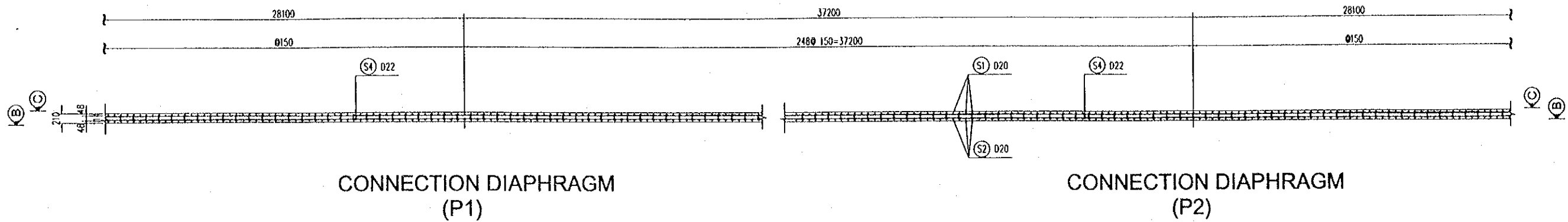
NOTES :

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON 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	CAI DA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 1	P3/BR3/0210

SECTION A - A

SCALE : 1:100



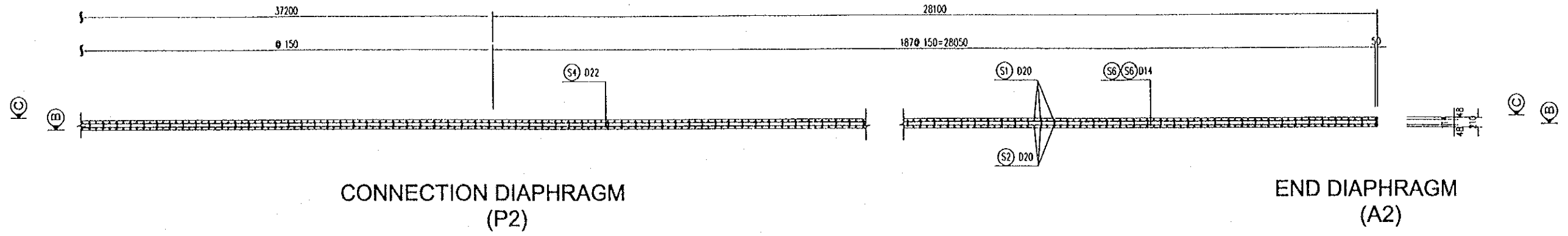
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FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	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	CAIDA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 2	P3/BR3/0220
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>		
				DATE	20/9/2000	29/9/2000		
						K. Enomoto		

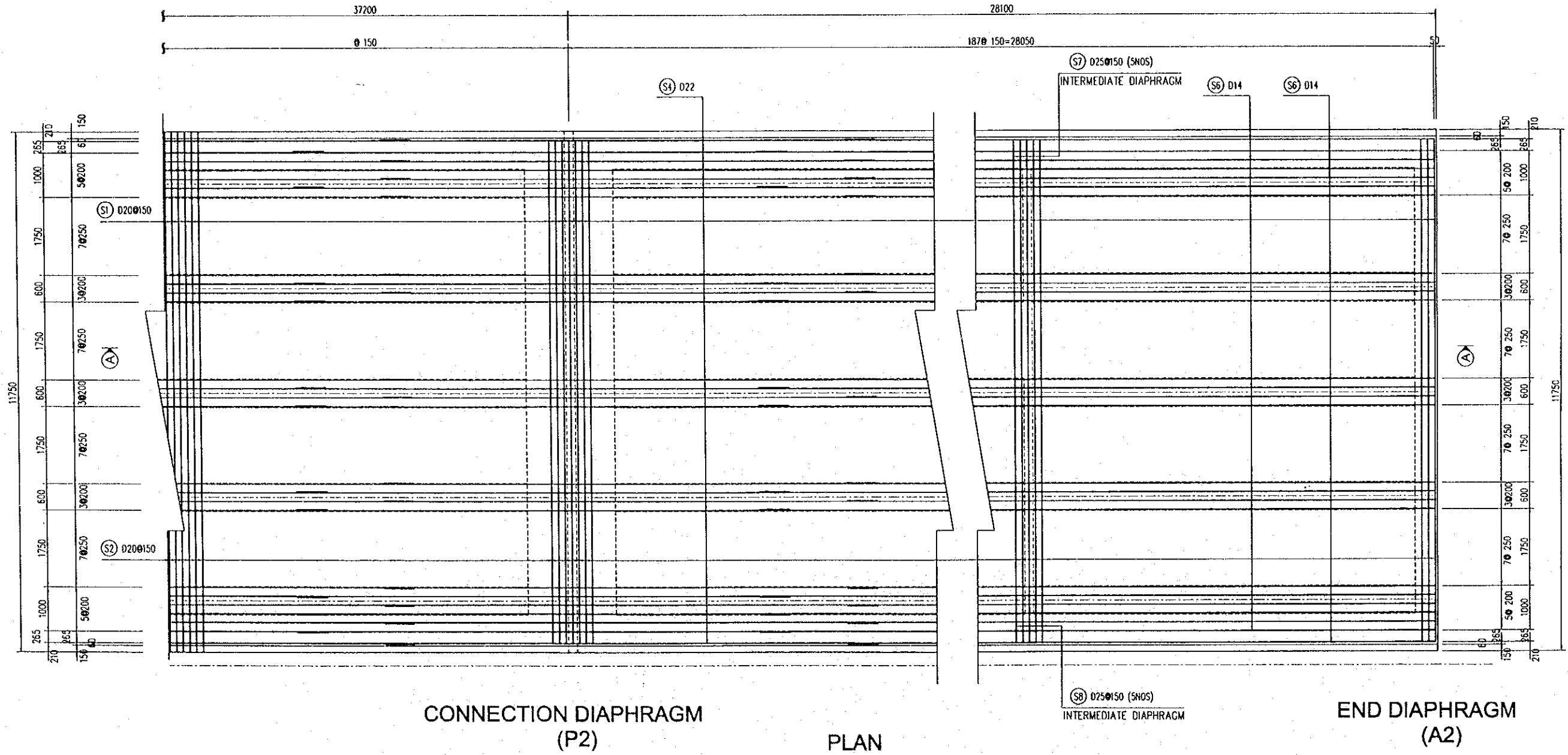
SECTION A - A

SCALE : 1:100



CONNECTION DIAPHRAGM (P2)

END DIAPHRAGM (A2)



CONNECTION DIAPHRAGM (P2)

PLAN
SCALE 1:100

(S8) D25@150 (5NOS)
INTERMEDIATE DIAPHRAGM

END DIAPHRAGM (A2)

NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/BR3/0030

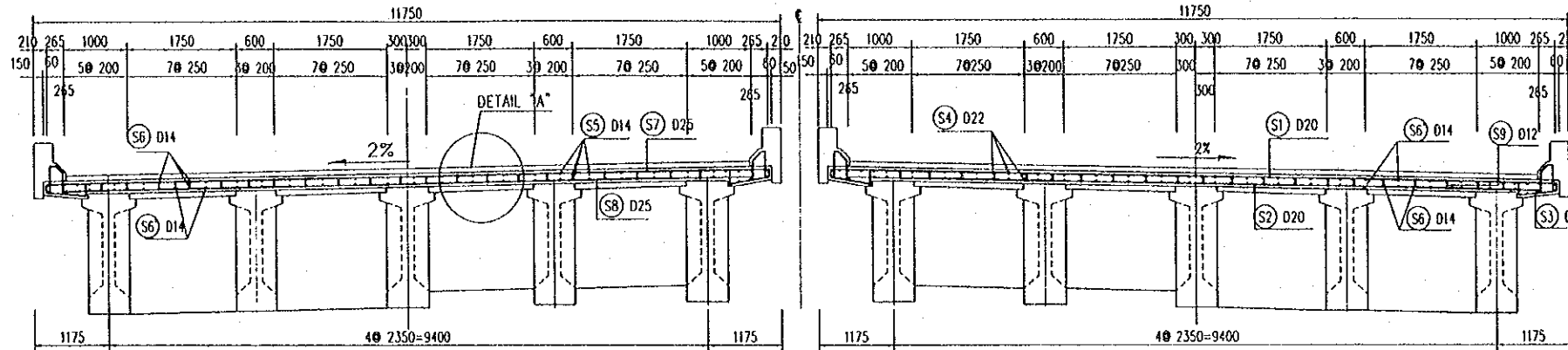
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 3	P3/BR3/0230
				SIGNATURE	SIGNATURE	SIGNATURE		
				DATE	DATE	DATE		
				20/9/2000	29/9/2000	5/10/2000		

1/4 SECTION
AT END DIAPHRAGM

1/4 SECTION AT
INTERMEDIATE DIAPHRAGM

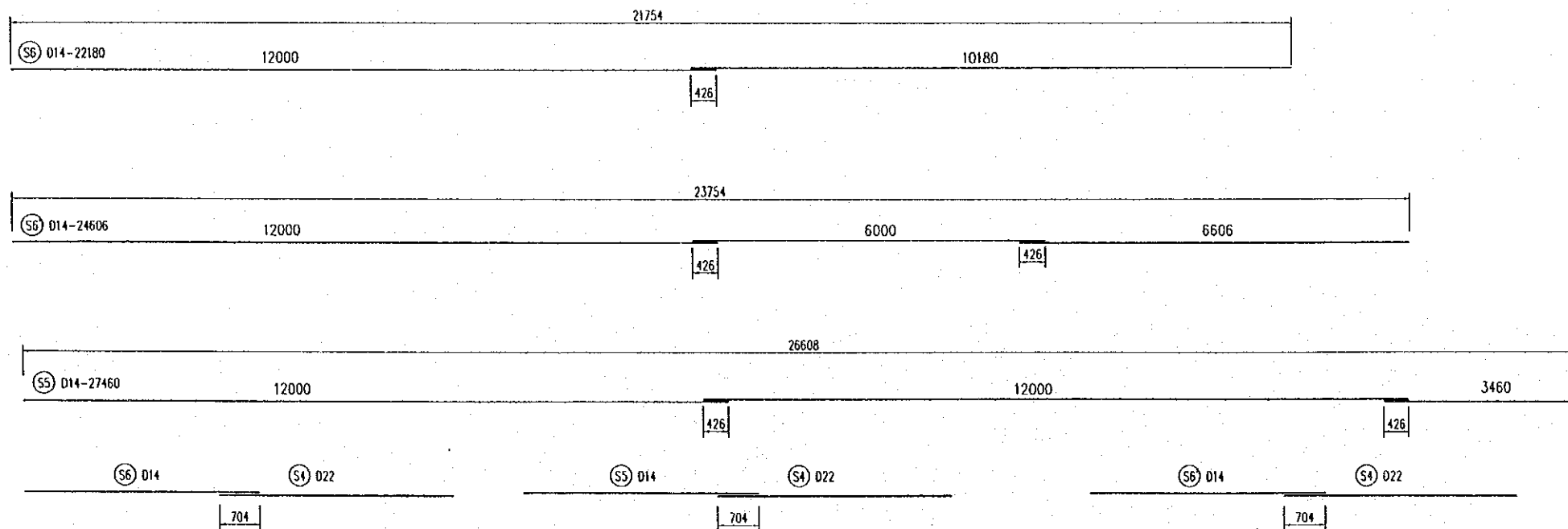
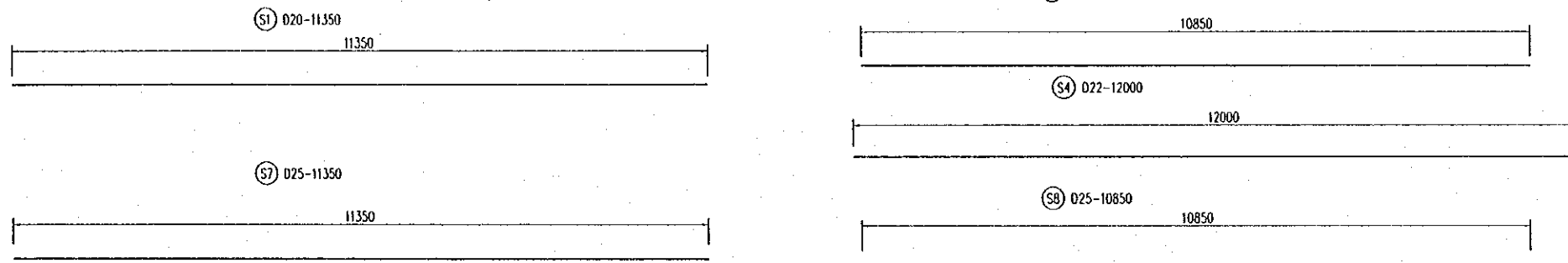
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CONNECTION DIAPHRAGM

1/4 SECTION
AT END DIAPHRAGM

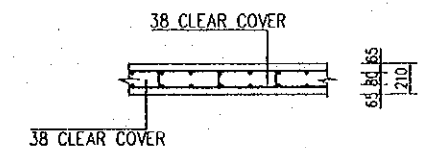


LIST OF REINFORCEMENT

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	1176	2.466	32915.2
S2	20	10850	1176	2.466	31465.2
S3	14	963	2492	1.208	28999.0
S4	22	12000	400	2.984	14323.2
S5	14	27460	200	1.208	6634.3
S6	14	22180	200	1.208	5358.7
S6*	14	24606	200	1.208	5944.8
S7	25	11350	70	3.853	3061.2
S8	25	1085	70	3.853	2926.4
S9	12	565	15575	0.888	7814.3
TOTAL		113342.3	(KG)		
D25		5987.6	(KG)		
D22		14323.2	(KG)	CONCRETE :	458.2(M3)
D20		64380.4	(KG)		
D14		20836.8	(KG)		
D12		7814.3	(KG)		



DETAIL "A"
SCALE 1:50

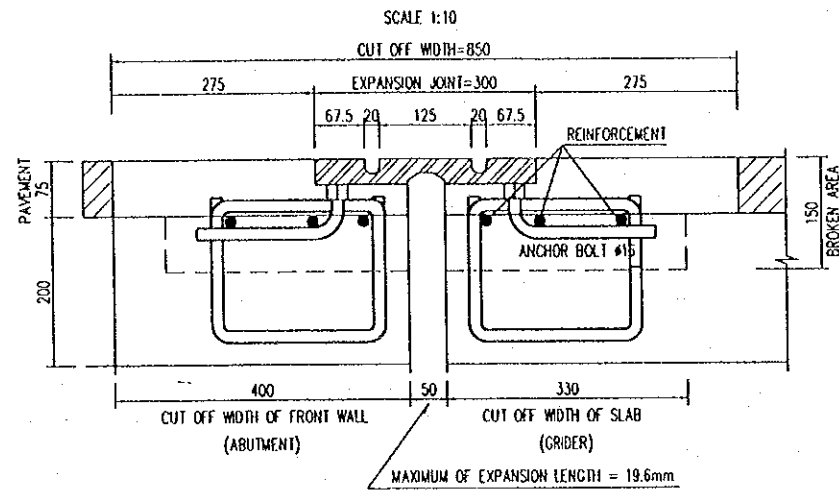


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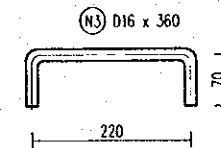
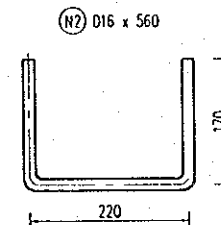
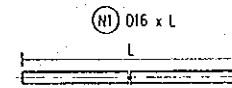
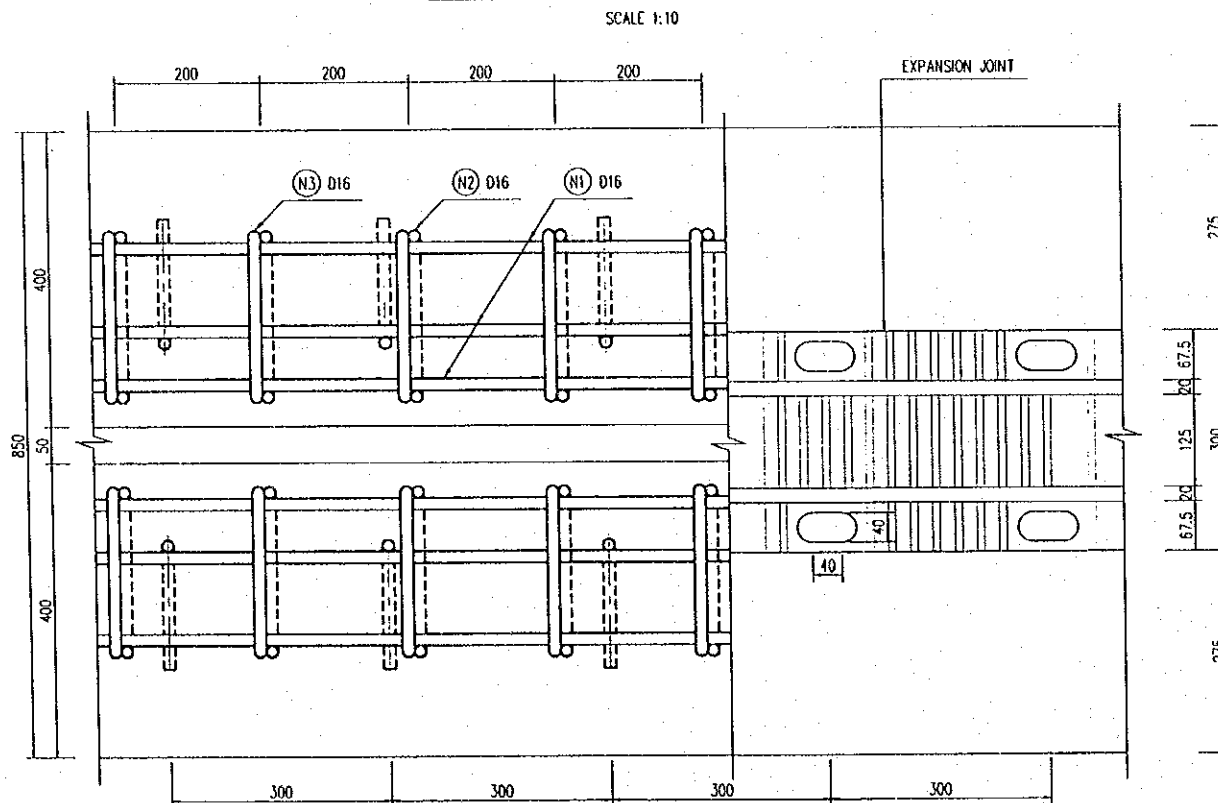
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P3/BR3/0030

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON 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	CAI DA BRIDGE SUPERSTRUCTURE DECK SLAB REINFORCEMENT - SHEET 4	P3/BR3/0240

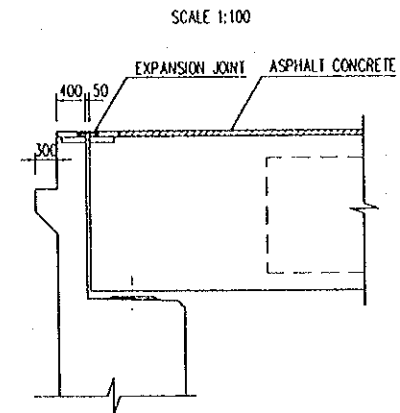
FOR ABUTMENT



PLAN OF EXPANSION JOINT



DETAIL AT ABUTMENT



QUANTITY TABLE (Per m)

ITEMS	KIND OR SIZE	QUANTITY	REMARKS
EXPANSION JOINT	NEOPRENE RUBBER	1M	JS-K-6301
ANCHOR BOLT	#16 L = 272 mm		0.300
NUT	NEOPRENE RUBBER		
WASHER	NEOPRENE RUBBER		
REINFORCEMENT	(N1) 3 - D16	4.72 kg	L=11.45 m, N=3
	(N2) 5 - D16	4.42 kg	0.200
	(N3) 5 - D16	2.84 kg	0.200
CUT OFF	PAVEMENT	0.057 m ³	
	SLAB	0.050 m ³	
CONCRETE	B - 1	0.095 m ³	CAST IN PLACE

NOTES:

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO. P3/BR3/0030.



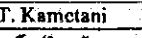
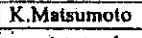
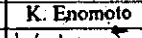
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOBI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	CAI DA BRIDGE SUPERSTRUCTURE DETAILS OF EXPANSION JOINTS	P3/BR3/0260
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

QUANTITY TABLE OF SUPERSTRUCTURE

ITEM	CLASS	WORK ITEM	UNIT	QUANTITY	REMARKS
CONCRETE	CLASS B	GIRDER	M3	703.6	SCK=400KG/C
	CLASS D	PANEL	M3	101.2	
		DECK SLAB	M3	458.2	
		CROSS BEAM	M3	137	
		TOTAL	M3	696.4	
RE-BAR		CROSS BEAM	TON	10.09	
		DECK SLAB	TON	113.342	
		GIRDER	TON	131.986	ADDED
		PANEL	TON	12.142	ADDED
		TOTAL	TON	267.56	
PC CABLE	12S12.7B		TON	32.549	SWPR7B
	3S12	TRANSVERSE TENDONS	TON	1.679	
ANCHORAGE	12S12.7B		SET	220	
	3S12		SET	144	
STEEL SHEAR KEY			SET	240	
SHEATHING	Ø 80/85		M	3503.68	
	Ø 50/55		M	723	
CEMENT GROUT IN SHEATHING			M3	19.875	
EXPANSION JOINT			M	43	
BEARING	600X300X57		SET	20	
	500X250X50		SET	40	
ANCHORAGE BAR			SET	48	
PAVEMENT	WATER PROOFING t = 5 MM		M2	2010.25	
	ASPHALT CONCRETE T = 70 MM		M2	2010.25	

NOTES

FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P3/BR3/0030.

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY  JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM  NIPPON KOEI CO.,LTD.	PREPARED BY NAME T. Kametani	CHECKED BY NAME K. Matsumoto	APPROVED BY NAME K. Enomoto	DRAWING TITLE CAI DA BRIDGE SUPERSTRUCTURE QUANTITY TABLE OF SUPERSTRUCTURE	DWG NO. P3/BR3/0270
				SIGNATURE 	SIGNATURE 	SIGNATURE 		
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		