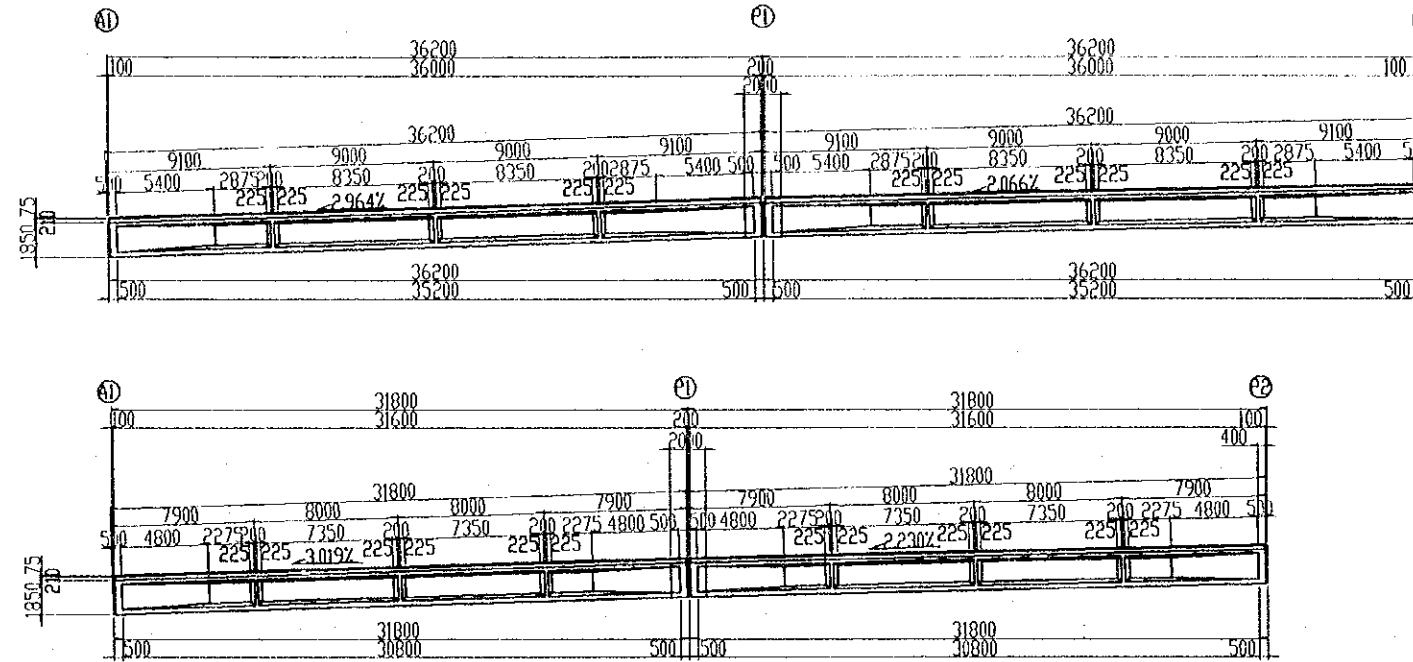
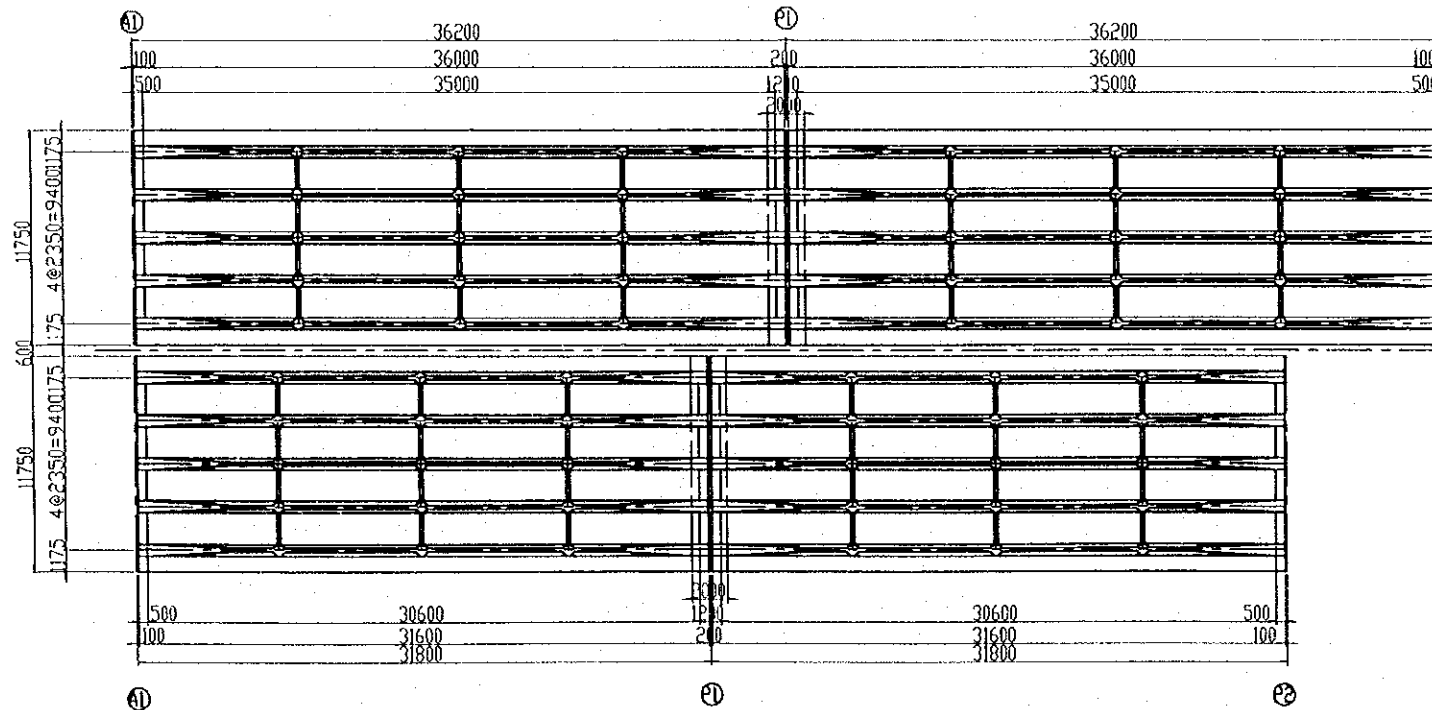


## **II. SUPERSTRUCTURE - APPROACH BRIDGE**

**SECTION 1-1**  
(SCALE 1:400)

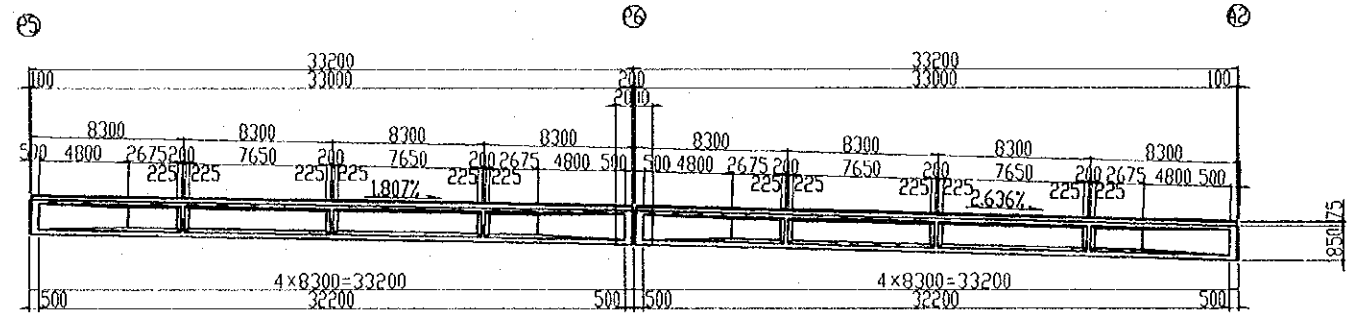
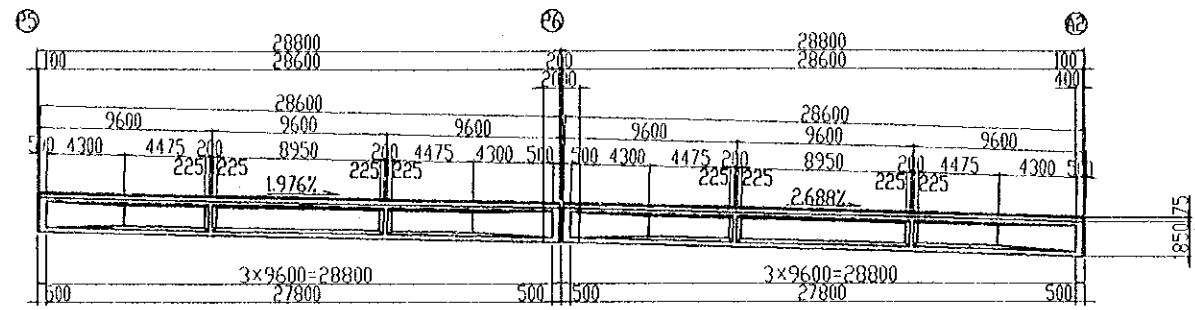


**SECTION 2-2**  
(SCALE 1:400)

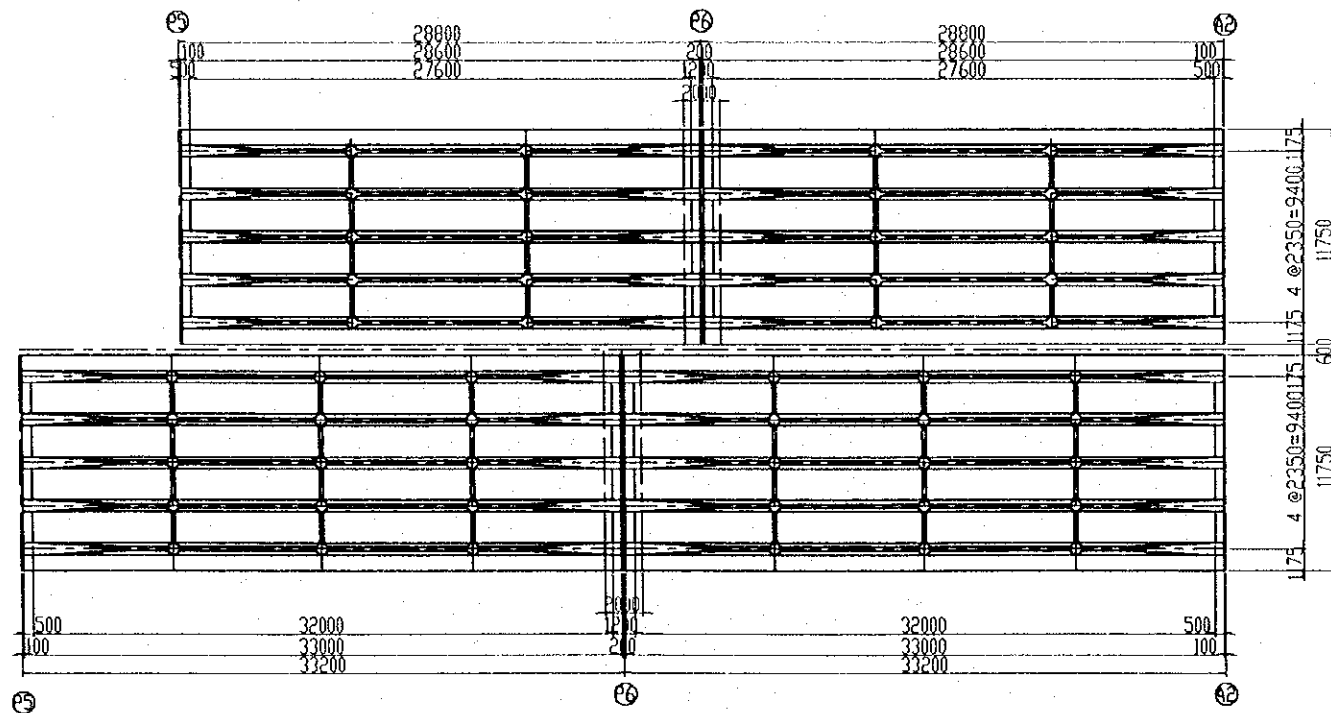


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE GIRDER LAYOUT SHEET-1	P1/BR3/0100

SECTION 1-1  
(SCALE 1:400)



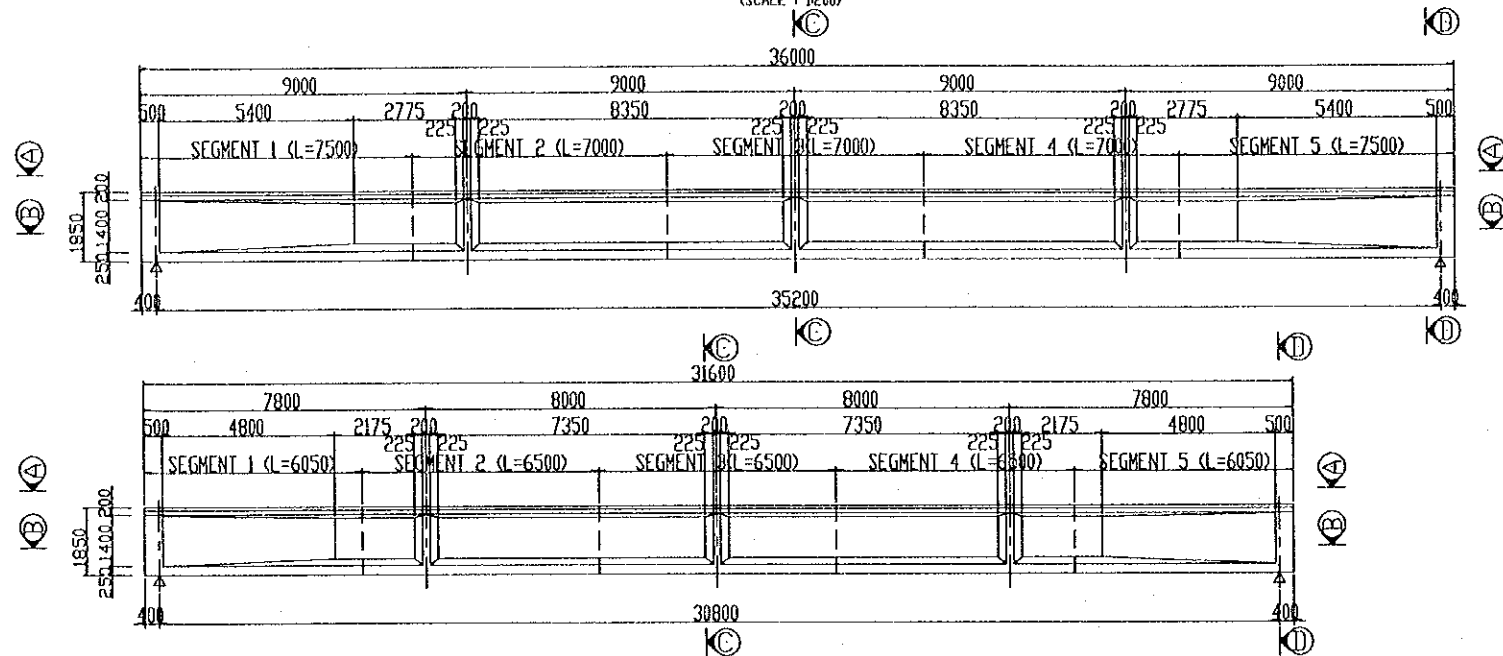
SECTION 2-2  
(SCALE 1:400)



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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE GIRDER LAYOUT SHEET-2	P1/BR3/0110
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

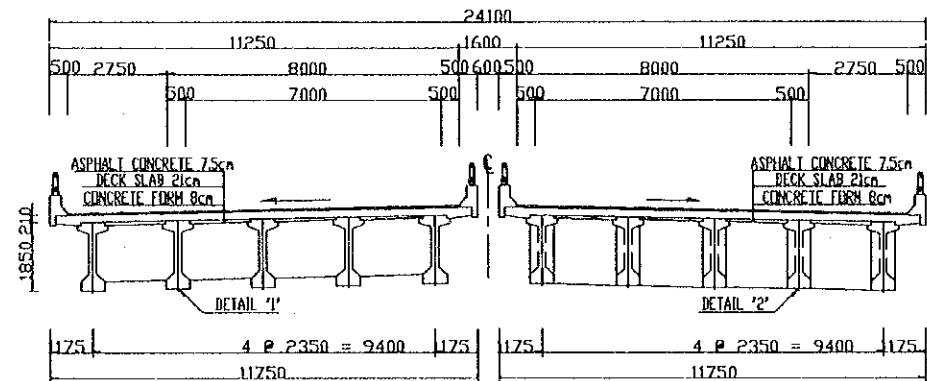
# GENERAL VIEW OF GIRDER (Ls=35.2M, 30.8M)

**ELEVATION**  
(SCALE: 1/200)



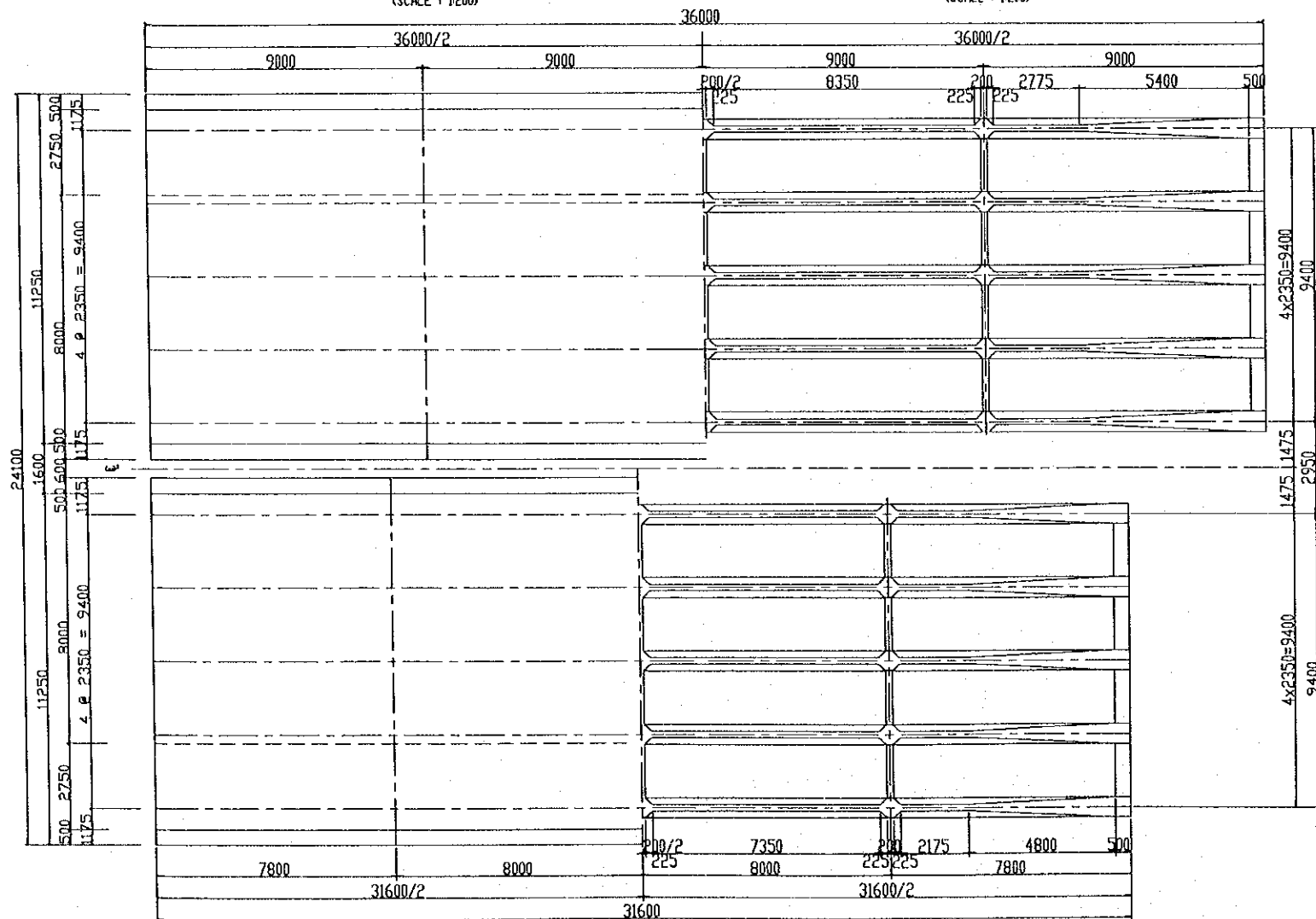
**1/2 SECTION C - C**  
(SCALE: 1/200)

**1/2 SECTION D - D**  
(SCALE: 1/200)



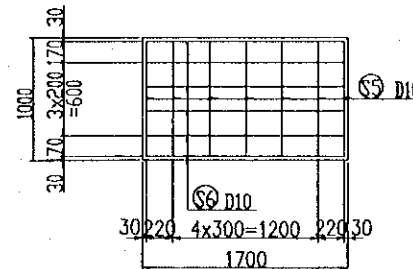
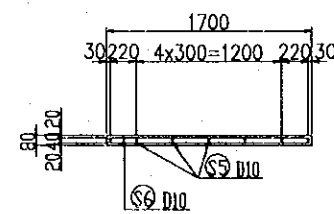
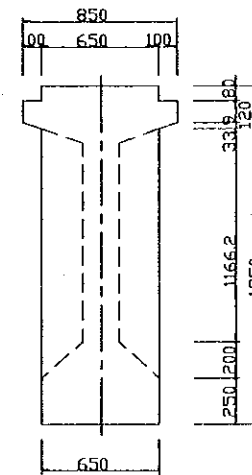
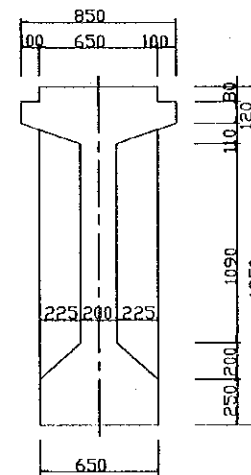
**1/2 SECTION A - A**  
(SCALE: 1/200)

**1/2 SECTION B - B**  
(SCALE: 1/200)



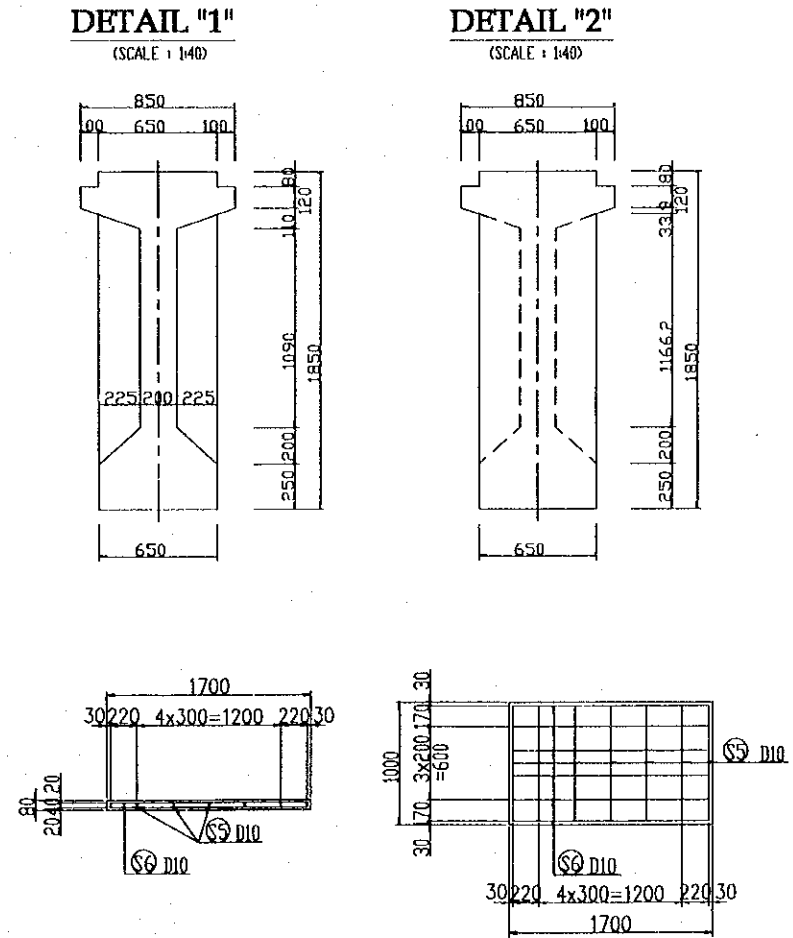
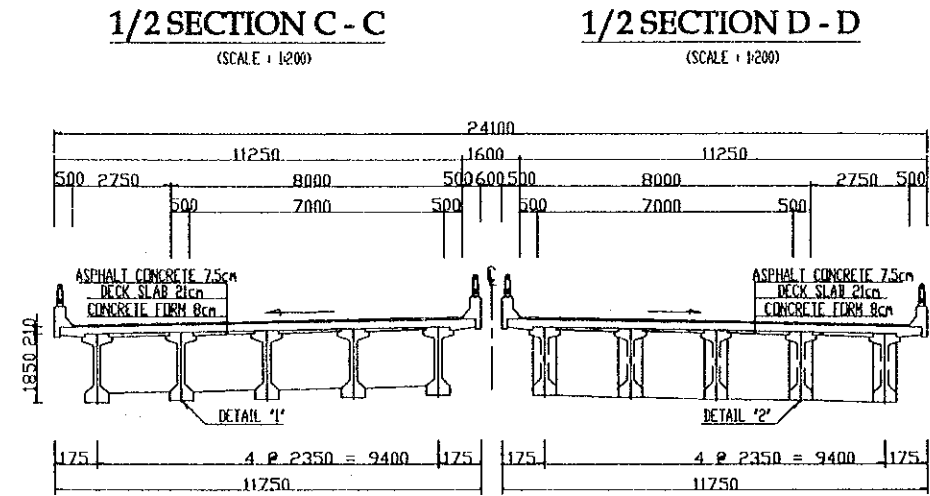
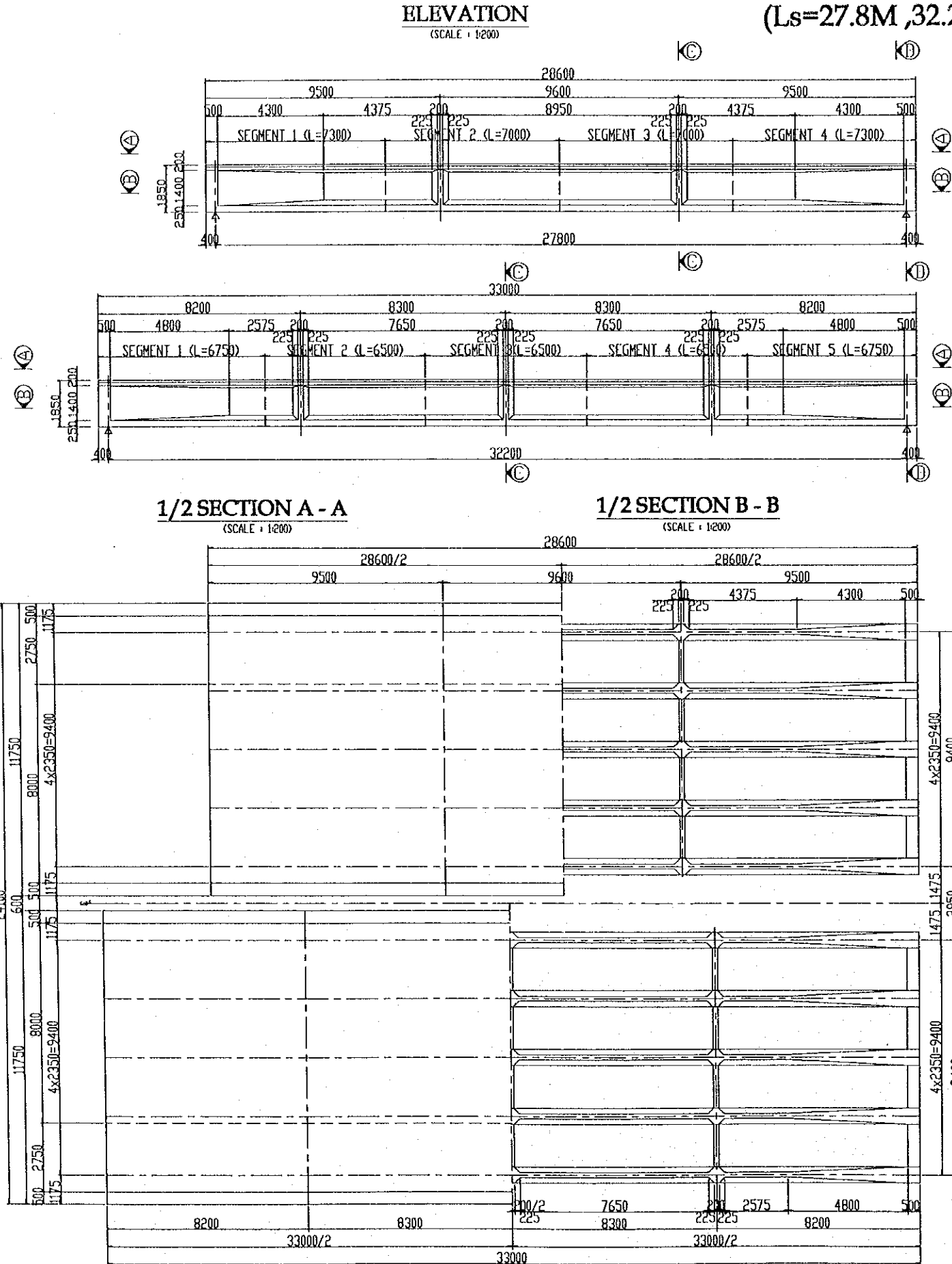
**DETAIL "1"**  
(SCALE: 1/40)

**DETAIL "2"**  
(SCALE: 1/40)



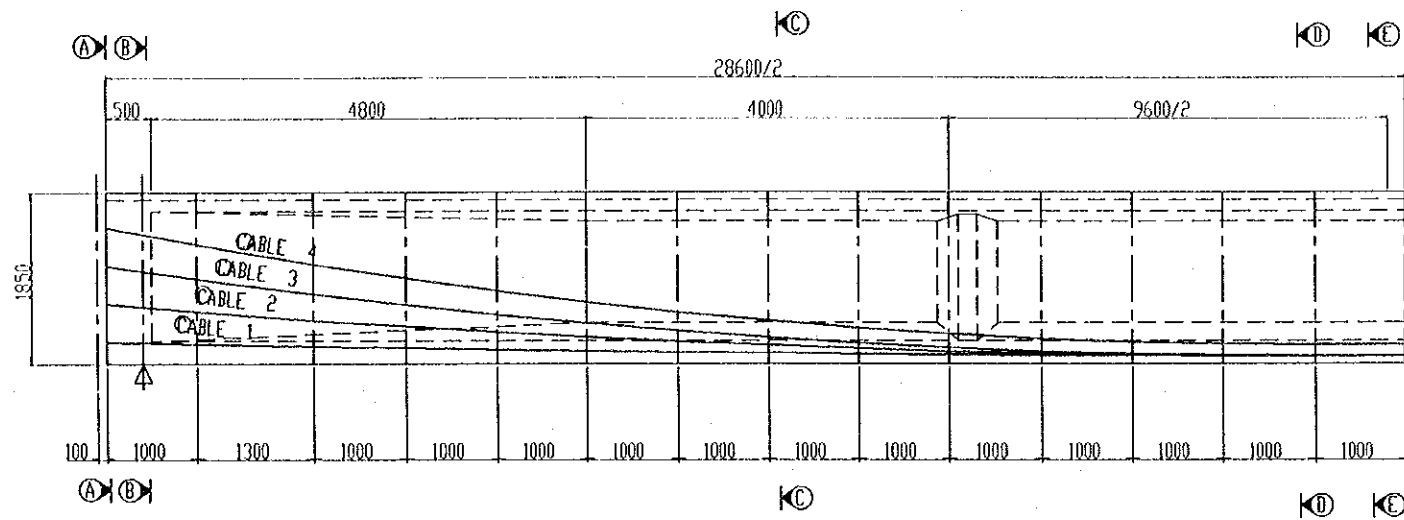
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE GENERAL VIEW OF GIRDER SHEET-1	P1/BR3/0120

# GENERAL VIEW OF GIRDER (Ls=27.8M, 32.2M)



<b>PROJECT NAME</b> DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	<b>IMPLEMENTATION AGENCY</b> JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	<b>EXECUTING AGENCY</b> SOCIALEST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	<b>JICA STUDY TEAM</b> NIPPON KOBI CO., LTD.	<b>PREPARED BY</b> T. Kametani	<b>CHECKED BY</b> K. Matsumoto	<b>APPROVED BY</b> K. Enomoto	<b>DRAWING TITLE</b> TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE GENERAL VIEW OF GIRDER SHEET-2	<b>DWG NO.</b> P1/BR3/0130
				<b>NAME</b> T. Kametani	<b>NAME</b> K. Matsumoto	<b>NAME</b> K. Enomoto		
				<b>SIGNATURE</b> <i>T. Kametani</i>	<b>SIGNATURE</b> <i>K. Matsumoto</i>	<b>SIGNATURE</b> <i>K. Enomoto</i>		
				<b>DATE</b> 20/9/2000	<b>DATE</b> 29/9/2000	<b>DATE</b> 5/10/2000		

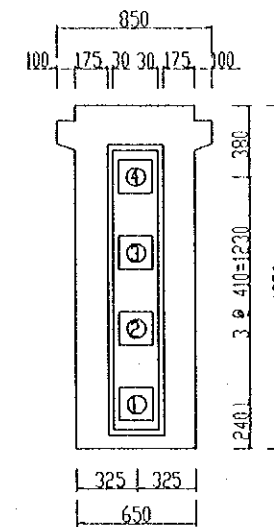
# DETAIL OF SUPERSTRUCTURE FOR TRA ON BIDGE (Ls=28.6M)



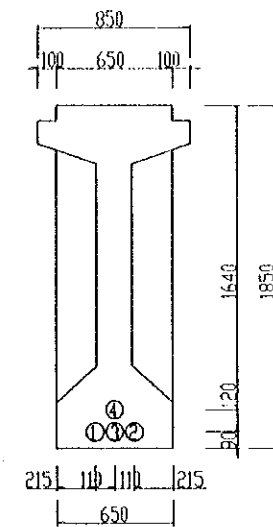
**POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER**

L	14300	13300	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	219	193	176	159	145	132	121	112	103	98	94	91	90
CABLE ②	650	512	476	409	349	295	247	206	171	142	120	103	94	90
CABLE ③	1060	924	759	643	539	445	362	291	230	180	141	113	96	90
CABLE ④	1470	1294	1078	928	792	671	564	471	391	327	276	240	218	210

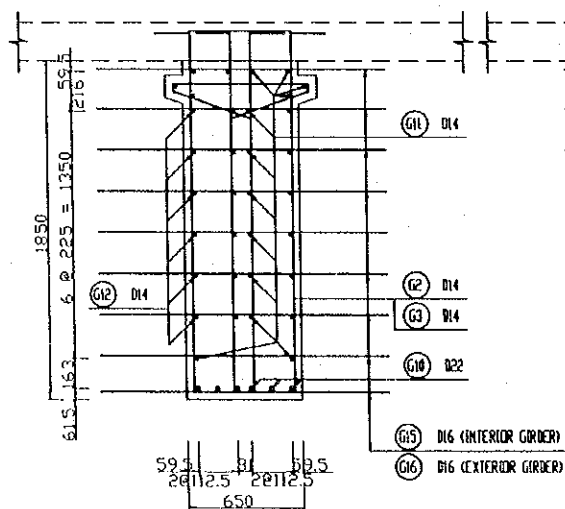
**SECTION A - A**  
(SCALE 1 : 40)



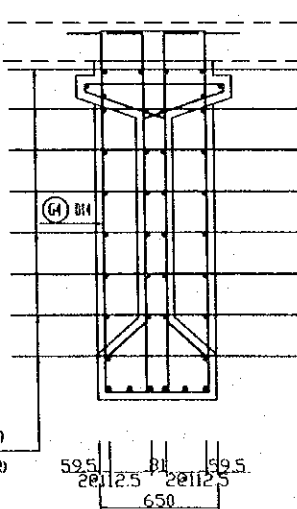
**SECTION E - E**  
(SCALE 1 : 40)



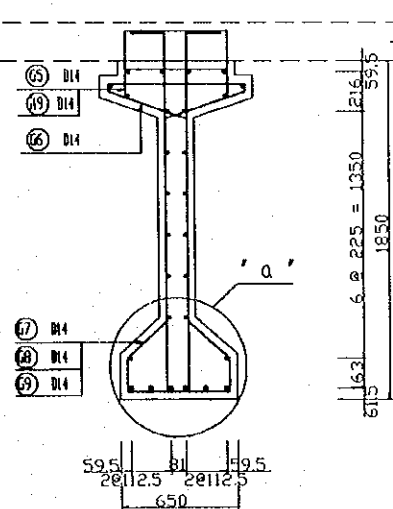
**SECTION B - B**  
(SCALE 1 : 40)



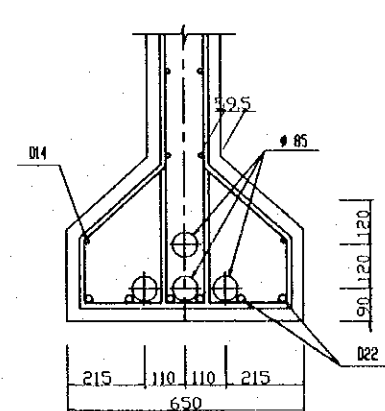
**SECTION C - C**  
(SCALE 1 : 40)



**SECTION D - D**  
(SCALE 1 : 40)



**DETAIL "a"**  
(SCALE 1:20)



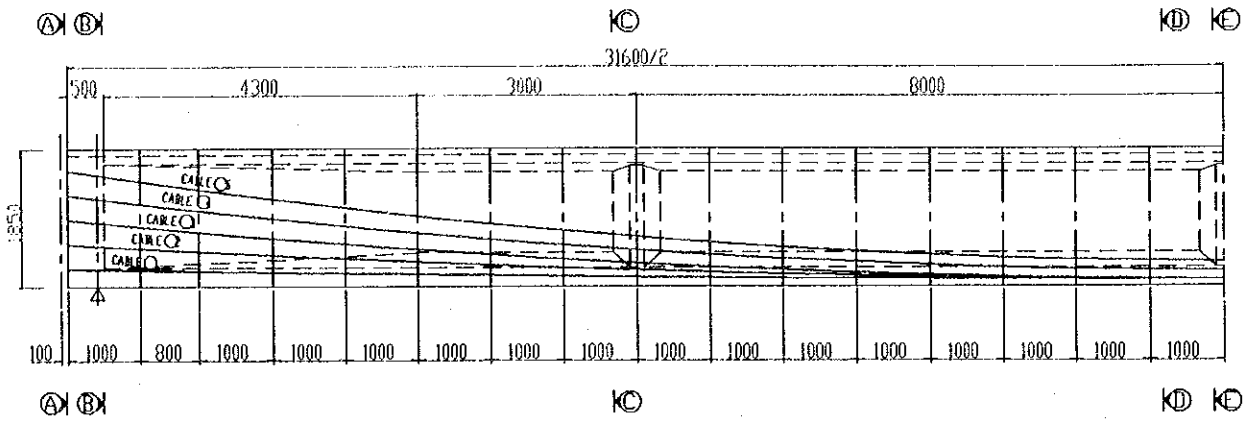
PC CABLE 12 S 12.7					(UNIT : MM)
CABLE No	L1	L2	L3	2x S L1	a
①	1000	14851	0	31702	0°59'
②	1002	14855	0	31714	2°52'
③	1004	14873	0	31754	5°20'
④	1007	14885	0	31784	6°42'

WEIGHT = 126.5 x 9.29 kg/m = 1179.4 kg  
 SHEATHING φ 80/85 : 183.8 M  
 ANCHORAGE : 10 SET  
 CEMENT GROUT IN SHEATHING : 0.923 M3  
 CONCRETE : 29.23 M3

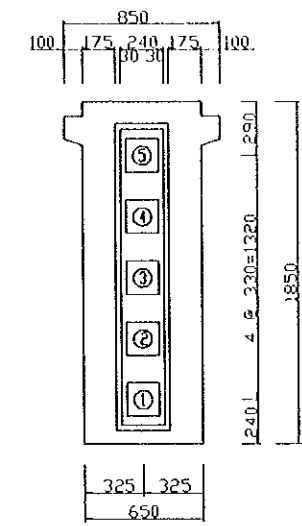
**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BRI/0030

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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE TENDON ARRANGEMENT OF GIRDER SHEET-1	P1/BR3/0140

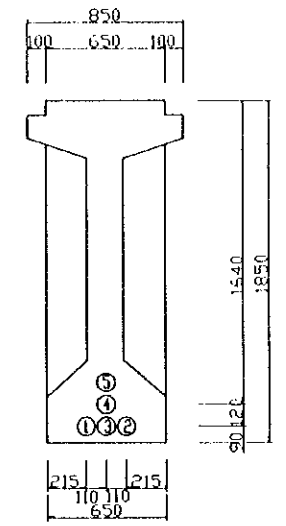
# DETAIL OF SUPERSTRUCTURE FOR TRA ON BIDGE (Ls=31.6M)



**SECTION A - A**  
(SCALE 1 : 40)



**SECTION E - E**  
(SCALE 1 : 40)



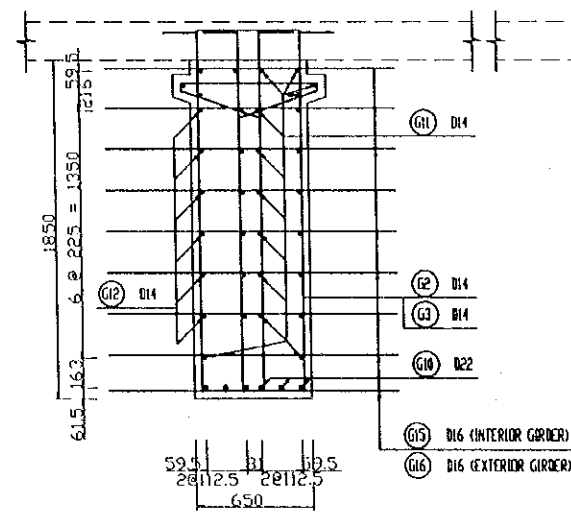
**POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER**

L	15800	14800	14000	13000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	222	209	193	179	165	153	141	131	122	114	107	101	97	91	90
CABLE ②	570	514	472	421	374	331	291	255	222	193	167	146	127	113	94	90
CABLE ③	900	806	734	649	570	496	429	368	313	264	221	189	153	129	98	90
CABLE ④	1230	1112	1021	914	814	722	637	560	491	429	375	329	290	259	220	210
CABLE ⑤	1560	1418	1309	1179	1058	947	845	752	665	594	529	473	426	389	342	330

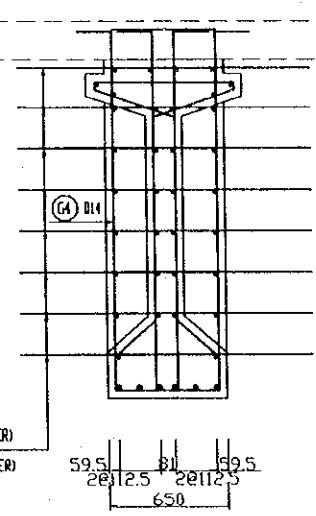
PC CABLE 12 S 12.7					(UNIT : MM)
CABLE No	L1	L2	L3	2x S LI	a
①	1000	15351	0	32702	0°59'
②	1002	15355	0	32714	2°52'
③	1004	15373	0	32754	5°20'
④	1007	15385	0	32784	6°42'
⑤	1010	15401	0	32822	8°4'

WEIGHT = 163.7 x 9.29 kg/m = 1521.4 kg  
 SHEATHING-D 80/85 : 183.8 M  
 ANCHORAGE : 10 SET  
 CEMENT GROUT IN SHEATHING : 0.923 M3  
 CONCRETE : 29.23 M3

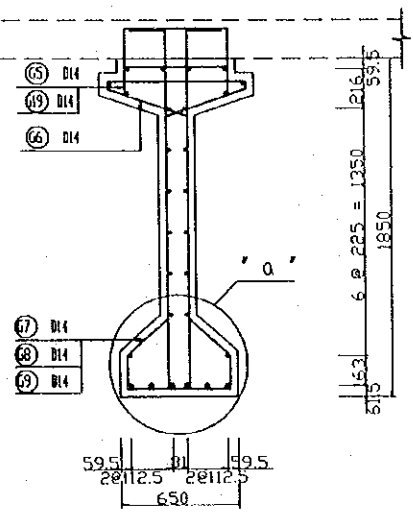
**SECTION B - B**  
(SCALE 1 : 40)



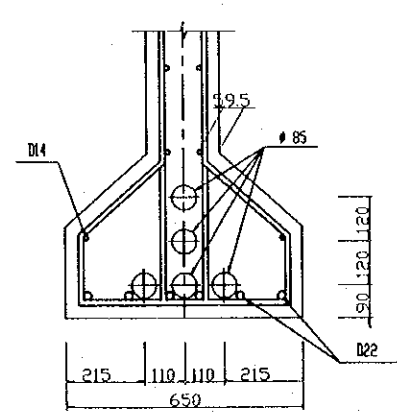
**SECTION C - C**  
(SCALE 1 : 40)



**SECTION D - D**  
(SCALE 1 : 40)



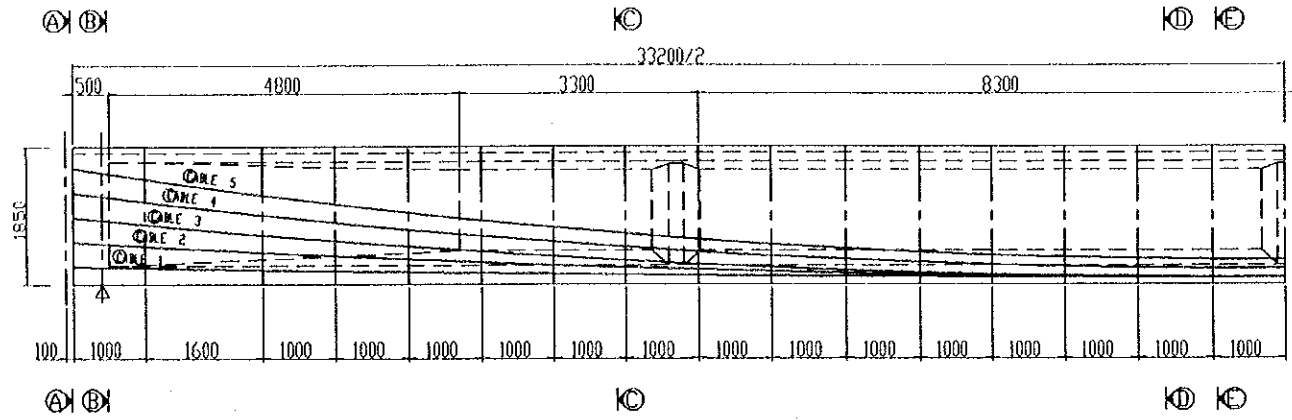
**DETAIL "a"**  
(SCALE 1:20)



**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/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	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NKK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE TENDON ARRANGEMENT OF GIRDER SHEET-2	P1/BR3/0150
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		

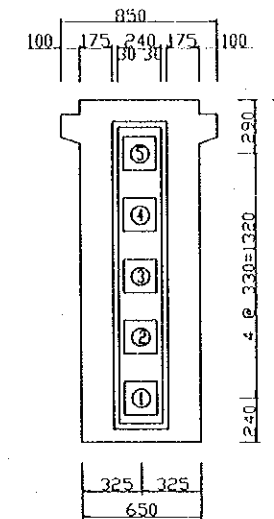
# DETAIL OF SUPERSTRUCTURE FOR TRA ON BIDGE (Ls=33.2M)



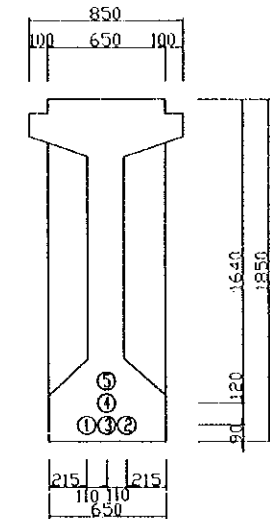
POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER

L	16600	15600	14000	13000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	223	197	182	168	155	144	133	124	116	109	103	98	94	92	90
CABLE ②	570	515	431	383	339	299	262	228	199	172	150	131	116	104	96	91
CABLE ③	900	807	666	585	510	442	380	323	273	229	191	159	133	114	100	92
CABLE ④	1230	1112	935	833	739	653	575	504	441	385	337	297	265	240	222	212
CABLE ⑤	1560	1418	1204	1082	969	865	770	684	608	541	484	435	396	366	345	332

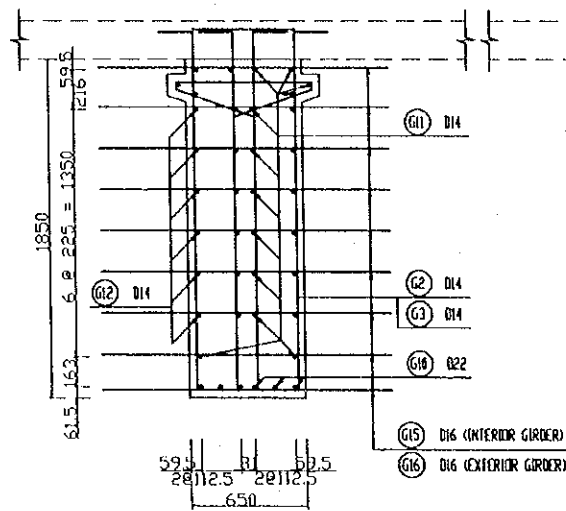
SECTION A - A  
(SCALE 1 : 40)



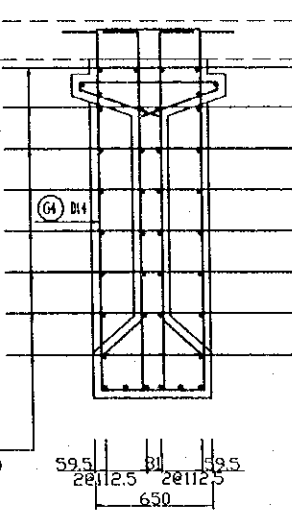
SECTION E - E  
(SCALE 1 : 40)



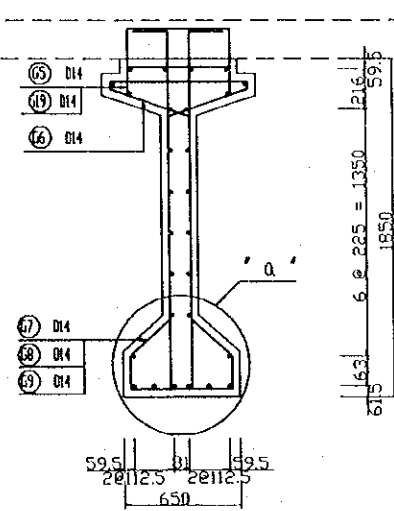
SECTION B - B  
(SCALE 1 : 40)



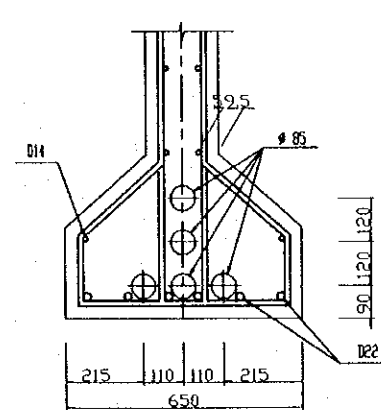
SECTION C - C  
(SCALE 1 : 40)



SECTION D - D  
(SCALE 1 : 40)



DETAIL "a"  
(SCALE 1:20)



PC CABLE 12 S 12.7					(UNIT : MM)
CABLE No	L1	L2	L3	2x S L1	a
①	1000	15351	500	33702	0'39"
②	1002	15355	500	33714	2'52"
③	1004	15373	500	33754	5'20"
④	1007	15385	500	33784	6'42"
⑤	1010	15401	500	33822	8'4"

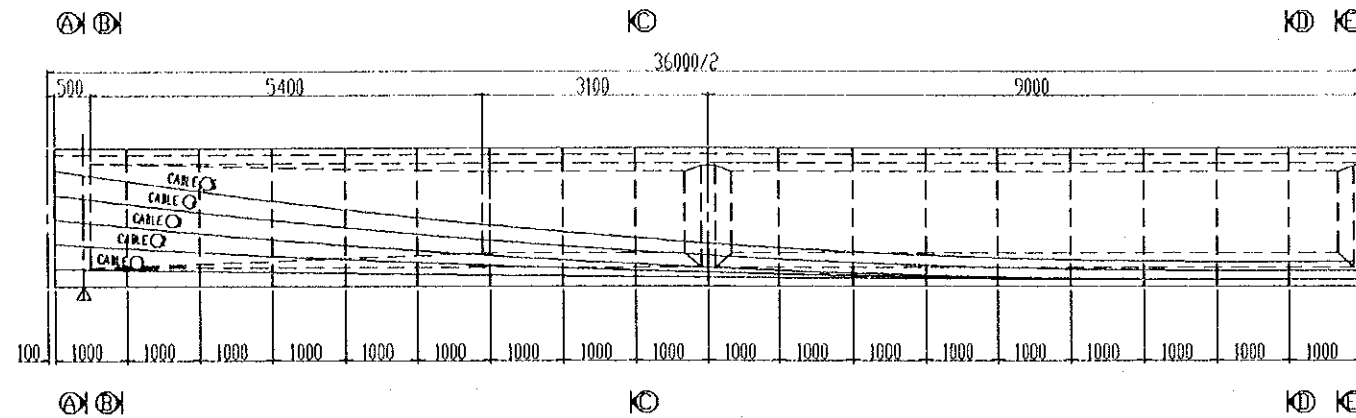
WEIGHT = 168.78 x 9.29 kg/m = 1568.0 kg  
 SHEATHING Ø 80/85 : 168.78 M  
 ANCHORAGE : 10 SET  
 CEMENT GROUT IN SHEATHING : 0.848 M<sup>3</sup>  
 CONCRETE : 25.797 M<sup>3</sup>

**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BR1/0030

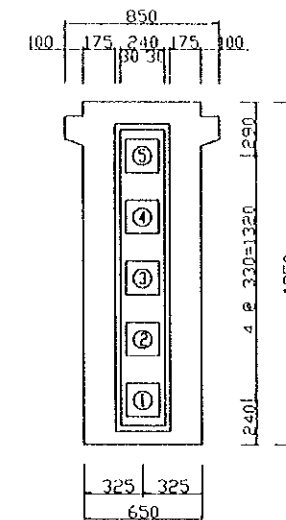
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE TENDON ARRANGEMENT OF GIRDER SHEET-3	P1/BR3/0160
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



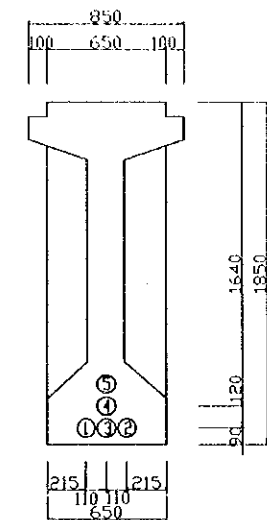
# DETAIL OF SUPERSTRUCTURE FOR TRA ON BRIDGE (Ls=36.0M)



**SECTION A - A**  
(SCALE 1 : 40)



**SECTION E - E**  
(SCALE 1 : 40)



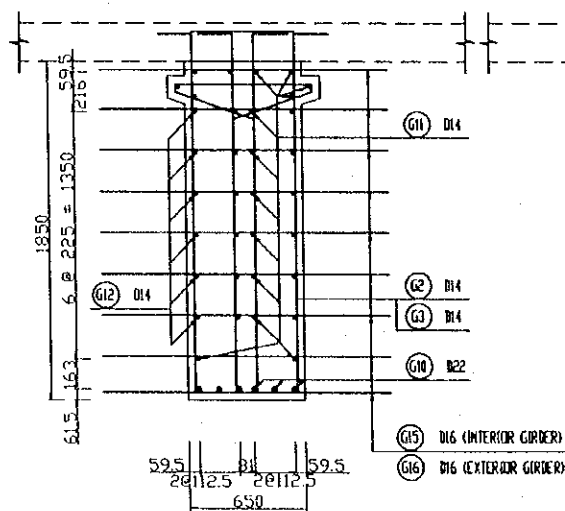
**POSITION OF CABLE CENTER FROM BOTTOM OF GIRDER**

L	18000	17000	16000	15000	14000	13000	12000	11000	10000	9000	8000	7000	6000	5000	4000	3000	2000	1000
CABLE ①	240	222	206	190	175	162	150	139	129	120	112	106	100	96	93	91	90	90
CABLE ②	570	514	461	411	365	322	283	247	215	187	162	141	124	110	100	93	90	90
CABLE ③	900	806	716	632	554	482	416	356	302	254	213	177	148	124	107	96	90	90
CABLE ④	1230	1112	999	893	794	703	629	545	477	417	365	320	283	253	231	217	210	210
CABLE ⑤	1560	1418	1281	1153	1035	925	825	734	652	580	516	462	418	382	356	339	330	330

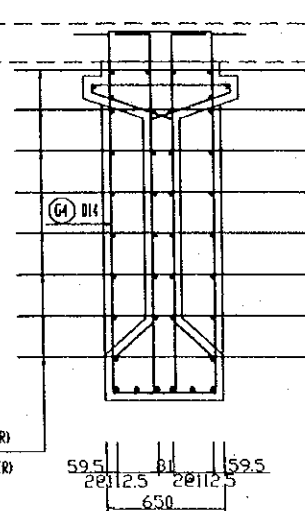
PC CABLE 12 S 12.7					(UNIT : MM)
CABLE No	L1	L2	L3	2x S L1	a
①	1000	15351	2000	36702	6'98"
②	1002	15255	2000	36714	3'16"
③	1004	15373	2000	36754	5'32"
④	1007	15385	2000	36784	6'68"
⑤	1019	15401	2000	36822	8'04"

WEIGHT = 183.78 x 9.29 kg/m = 1707.3 kg  
 SHEATHING  $\phi$  80/85 : 183.8 M  
 ANCHORAGE : 10 SET  
 CEMENT GROUT IN SHEATHING : 0.923 M3  
 CONCRETE : 29.23 M3

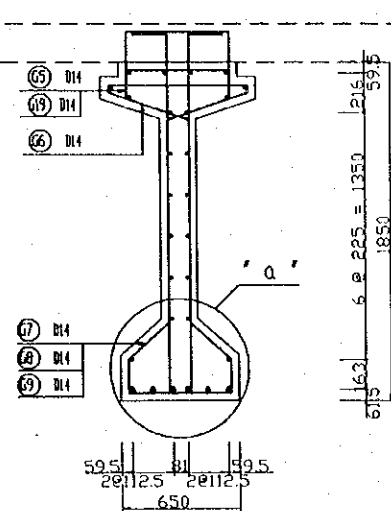
**SECTION B - B**  
(SCALE 1 : 40)



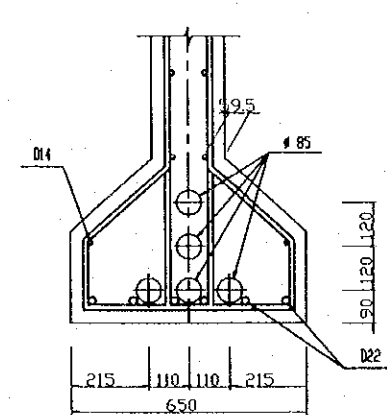
**SECTION C - C**  
(SCALE 1 : 40)



**SECTION D - D**  
(SCALE 1 : 40)



**DETAIL "a"**  
(SCALE 1 : 20)

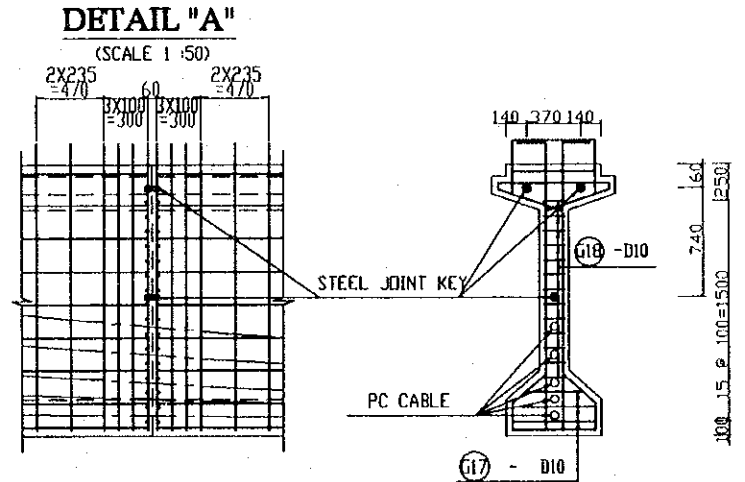
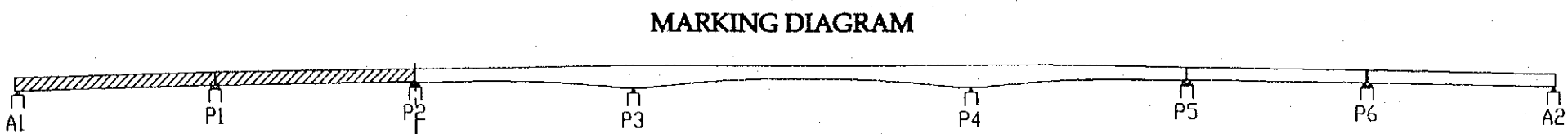
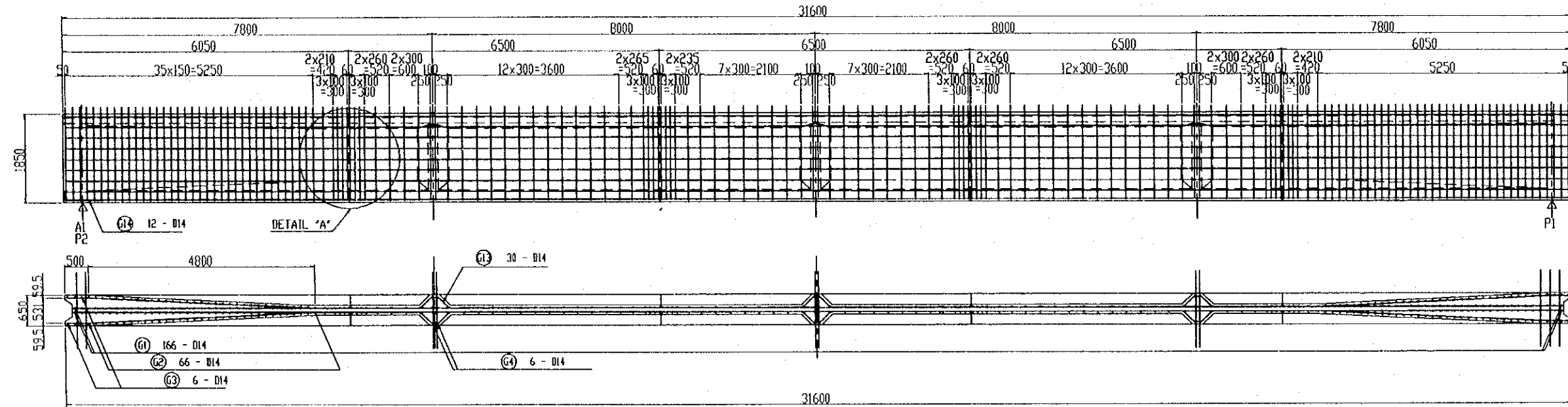
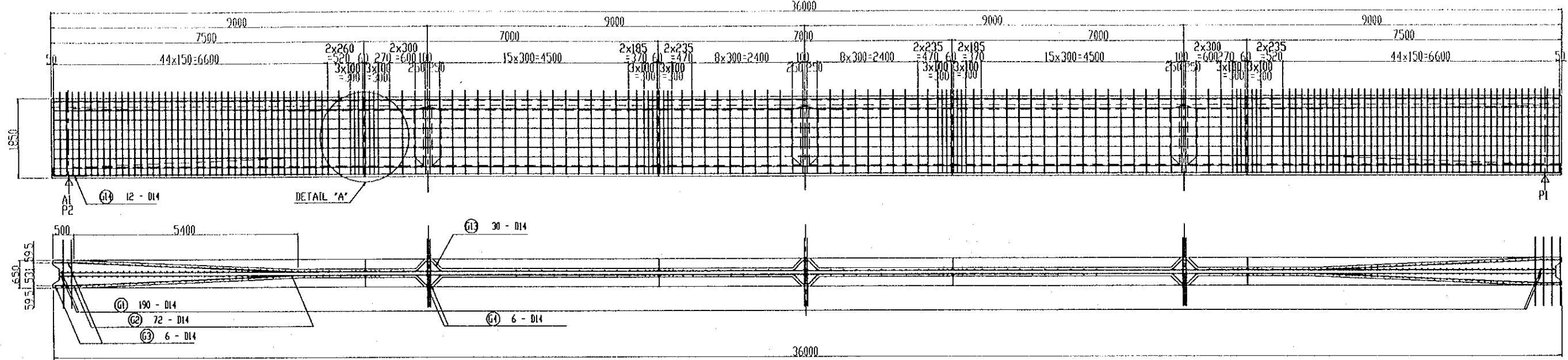


**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BR1/0030

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	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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE TENDON ARRANGEMENT OF GIRDER SHEET-4	P1/BR3/0170
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



# DETAIL OF SUPERSTRUCTURE FOR TRA ON BIDGE (Ls=35.2M, 30.8M)

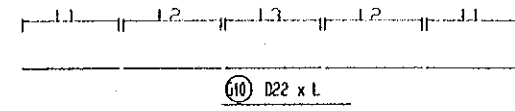
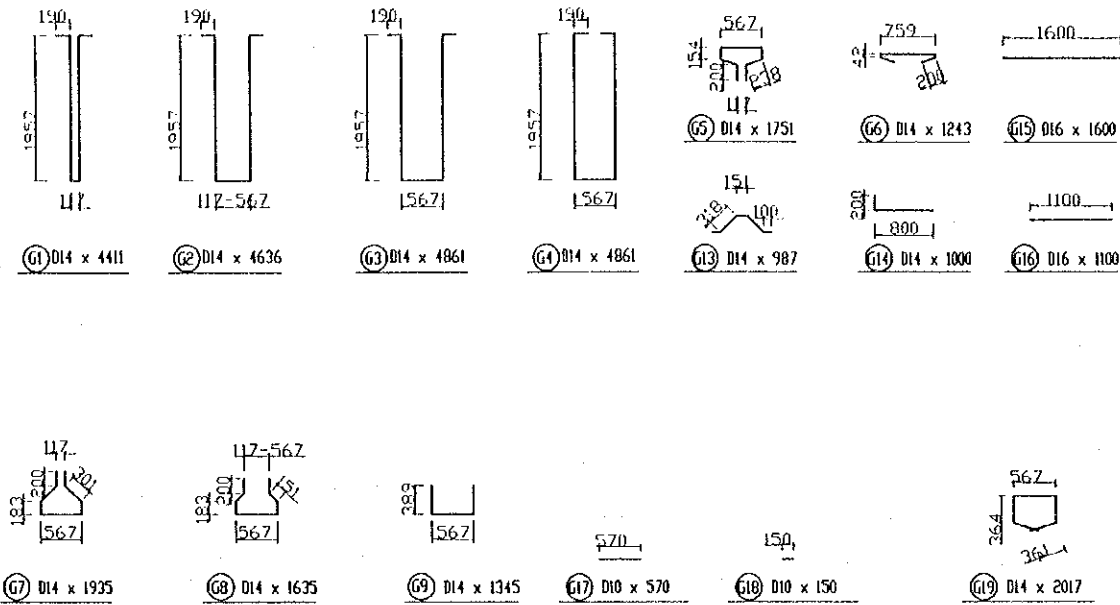


**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BR1/001

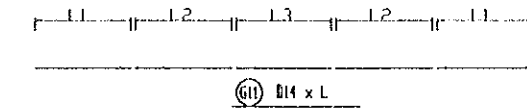
<b>PROJECT NAME</b>	<b>IMPLEMENTATION AGENCY</b>	<b>EXECUTING AGENCY</b>	<b>JICA STUDY TEAM</b>	<b>PREPARED BY</b>	<b>CHECKED BY</b>	<b>APPROVED BY</b>	<b>DRAWING TITLE</b>	<b>DWG NO.</b>
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE REINFORCEMENT OF GIRDER SHEET1	P1/BR3/0190
				<b>NAME</b>	<b>DATE</b>	<b>DATE</b>		
				<i>T. Kametani</i>	20/9/2000	29/9/2000		
				<b>SIGNATURE</b>	<b>DATE</b>	<b>DATE</b>		
				<i>K. Matsumoto</i>	20/9/2000	5/10/2000		
				<b>DATE</b>	<b>DATE</b>	<b>DATE</b>		
				20/9/2000	29/9/2000	5/10/2000		



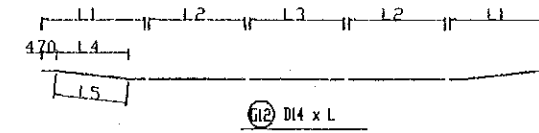
# DETAIL OF SUPERSTRUCTURE FOR TRA ON BIDGE



	L1	L2	L3	L
36.0M	7440	6940	6940	35700
31.6M	5990	6440	6440	31300
28.6M	7240	6940	-	28360
33.0M	6690	6440	6440	32700



	L1	L2	L3	L
36.0M	7440	6940	6940	35700
31.6M	5990	6440	6440	31300
28.6M	7240	6940	-	28360
33.0M	6690	6440	6440	32700



	L1	L2	L3	L4	L5	L
36.0M	7440	6940	6940	5400	5404	35708
31.6M	5990	6440	6440	4800	4804	31308
28.6M	7240	6940	-	4300	4305	28370
33.0M	6690	6440	6440	4800	4803	32706

REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	190	1.208	1,012.7	
G2	14	4636	72	1.208	403.2	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	6	1.208	35.2	
G5	14	1751	190	1.208	402.8	
G6	14	1243	190	1.208	285.0	
G7	14	1935	112	1.208	262.1	
G8	14	1635	72	1.208	142.6	AVERAGE
G9	14	1345	6	1.208	9.7	
G10	22	35700	6	2.984	642.0	
G11	14	35700	22	1.208	642.0	
G12	14	35708	12	1.208	517.2	
G13	14	987	36	1.208	42.8	
G14	14	1000	12	1.208	14.5	
G15	16	1600	84	1.579	212.5	INTERIOR GIRDER
G16	16	1100	84	1.579	146.2	EXTERIOR GIRDER
G17	10	570	24	0.617	8.4	
G18	10	150	104	0.617	9.7	
G19	14	2017	190	1.208	463.6	
TOTAL					5447.4 (5381.1)	
				D10	18.1 (18.1)	
				D14	4574.8 (4574.8)	
				D16	212.5 (146.2)	
				D22	642.0 (642.0)	
STEEL JOINT KEY : 12 SET						

REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	166	1.208	884.8	
G2	14	4636	66	1.208	369.6	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	6	1.208	35.2	
G5	14	1751	166	1.208	351.9	
G6	14	1243	166	1.208	249.0	
G7	14	1935	94	1.208	220.0	
G8	14	1635	66	1.208	130.7	AVERAGE
G9	14	1345	6	1.208	9.7	
G10	22	32700	6	2.984	560.4	
G11	14	32700	22	1.208	831.6	
G12	14	32706	12	1.208	453.6	
G13	14	987	36	1.208	42.8	
G14	14	1000	12	1.208	14.5	
G15	16	1600	84	1.579	212.5	INTERIOR GIRDER
G16	16	1100	84	1.579	146.2	EXTERIOR GIRDER
G17	10	570	24	0.617	8.4	
G18	10	150	104	0.617	9.7	
G19	14	2017	166	1.208	405.0	
TOTAL					4824.6 (4758.3)	
				D10	18.1 (18.1)	
				D14	4033.6 (4033.6)	
				D16	212.5 (146.2)	
				D22	560.4 (560.4)	
STEEL JOINT KEY : 12 SET						

REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	146	1.208	778.2	
G2	14	4636	60	1.208	336.0	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	4	1.208	23.5	
G5	14	1751	146	1.208	309.5	
G6	14	1243	146	1.208	219.0	
G7	14	1935	80	1.208	187.2	
G8	14	1635	60	1.208	118.8	AVERAGE
G9	14	1345	6	1.208	9.7	
G10	22	34740	6	2.984	507.6	
G11	14	34740	22	1.208	754.6	
G12	14	34750	12	1.208	397.2	
G13	14	987	23	1.208	27.4	
G14	14	1000	12	1.208	14.5	
G15	16	1600	68	1.579	172.0	INTERIOR GIRDER
G16	16	1100	68	1.579	118.3	EXTERIOR GIRDER
G17	10	570	18	0.617	6.3	
G18	10	150	78	0.617	7.3	
G19	14	2017	146	1.208	356.2	
TOTAL					4260.2 (4206.5)	
				D10	13.6 (13.6)	
				D14	3567.0 (3567.0)	
				D16	172.0 (118.3)	
				D22	507.6 (507.6)	
STEEL JOINT KEY : 9 SET						

REINF No	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REMARKS
G1	14	4411	176	1.208	938.1	
G2	14	4636	66	1.208	369.6	AVERAGE
G3	14	4861	6	1.208	35.2	
G4	14	4861	6	1.208	35.2	
G5	14	1751	176	1.208	373.1	
G6	14	1243	176	1.208	264.0	
G7	14	1935	104	1.208	243.4	
G8	14	1635	66	1.208	130.7	AVERAGE
G9	14	1345	6	1.208	9.7	
G10	22	34740	6	2.984	585.6	
G11	14	34740	22	1.208	869.0	
G12	14	34750	12	1.208	474.0	
G13	14	987	36	1.208	42.8	
G14	14	1000	12	1.208	14.5	
G15	16	1600	84	1.579	212.5	INTERIOR GIRDER
G16	16	1100	84	1.579	146.2	EXTERIOR GIRDER
G17	10	570	24	0.617	8.4	
G18	10	150	104	0.617	9.7	
G19	14	2017	176	1.208	429.4	
TOTAL					5044.9 (4978.6)	
				D10	18.1 (18.1)	
				D14	4228.7 (4228.7)	
				D16	212.5 (146.2)	
				D22	585.6 (585.6)	
STEEL JOINT KEY : 12 SET						

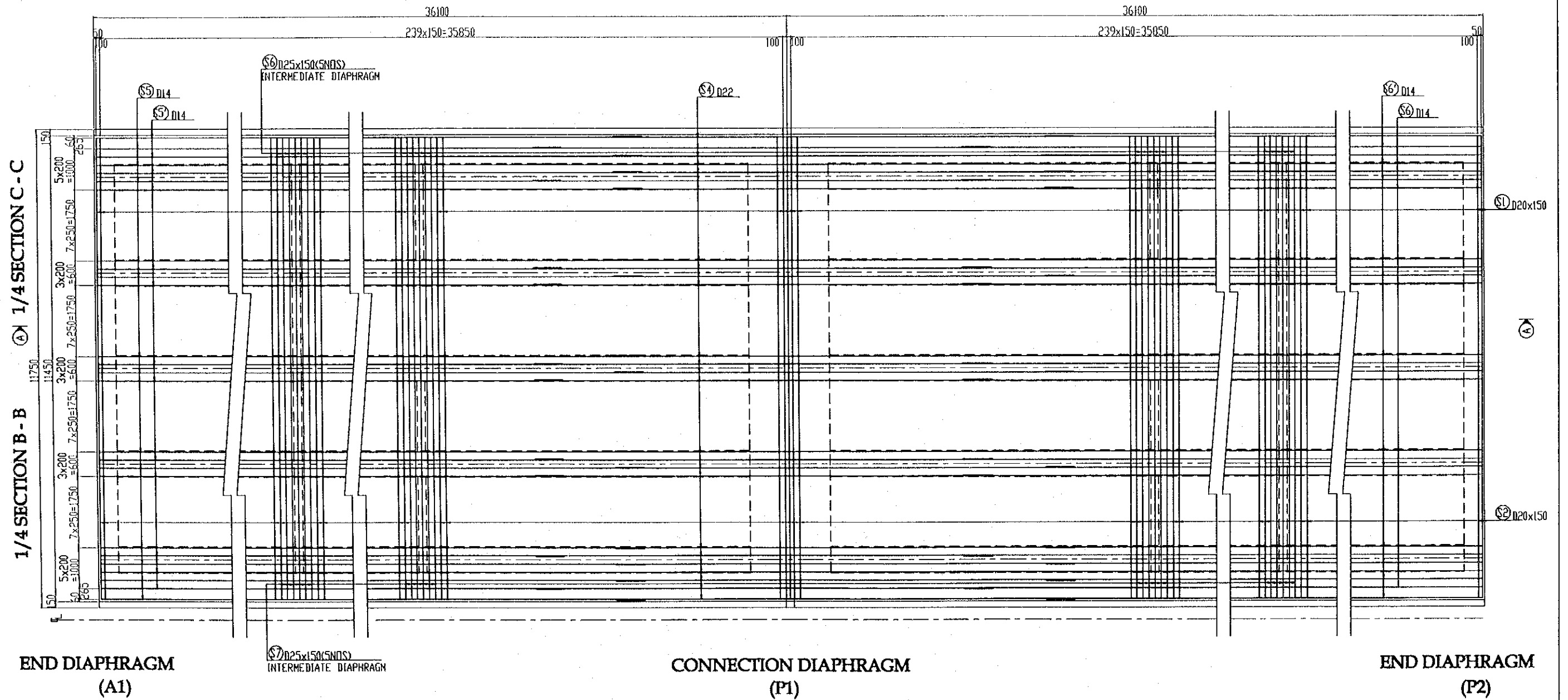
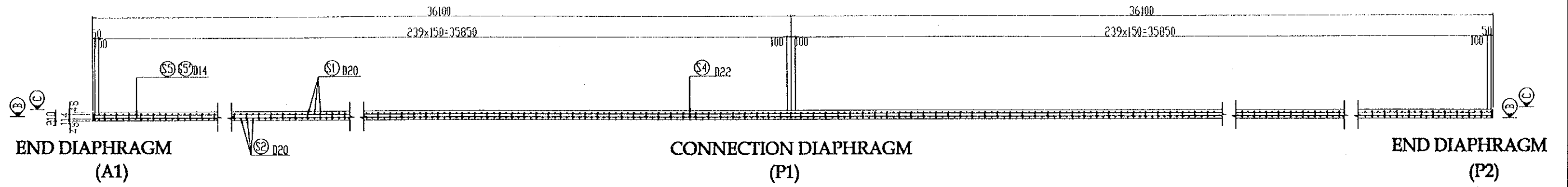
**NOTES:**  
 1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BR1/0030  
 2. THE VALUE OF INSIDE( ) ARE FOR EXTERIOR GIRDER.

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	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE REINFORCEMENT OF GIRDER SHEET3	P1/BR3/0210
				DATE: 20/9/2000	DATE: 29/9/2000	DATE: 5/10/2000		



# SECTION A - A

SCALE: 1/400



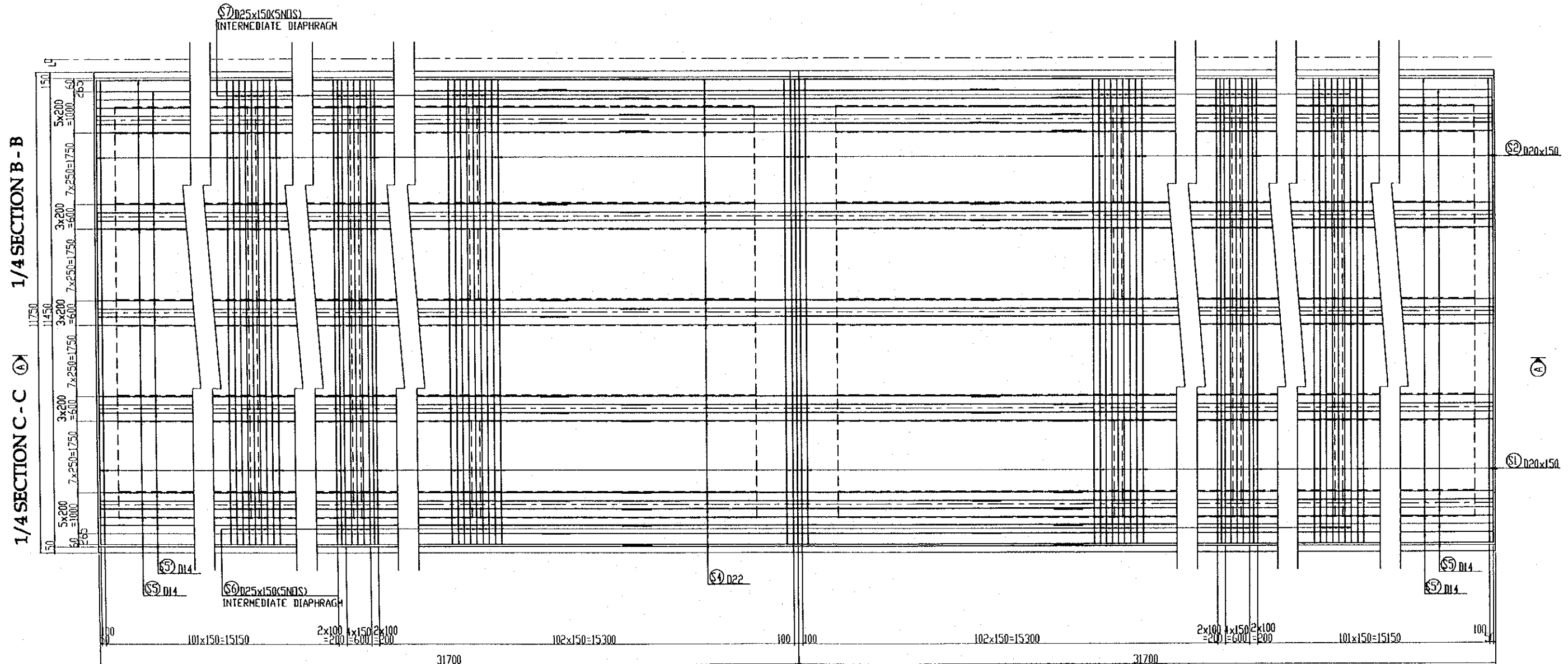
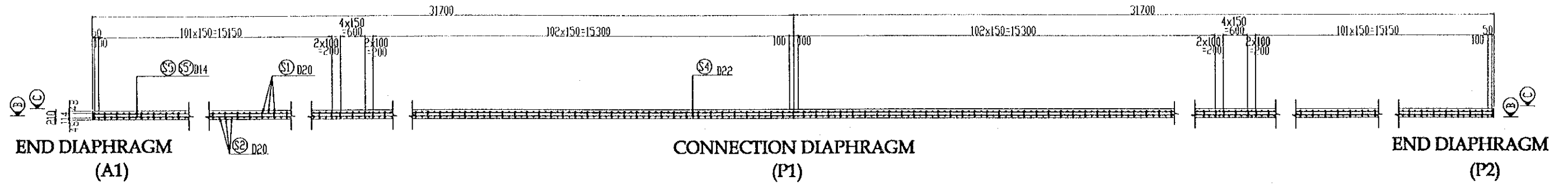
PLAN  
SCALE: 1/400

NOTES:  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/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	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME: T. Kamelani SIGNATURE: [Signature] DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE DECK SLAB REINFORCEMENT-SHEET 1	P1/BR3/0230

# SECTION A - A

SCALE : 1/100



END DIAPHRAGM (A1)

CONNECTION DIAPHRAGM (P1)

END DIAPHRAGM (P2)

## PLAN

SCALE 1/100

### NOTES:

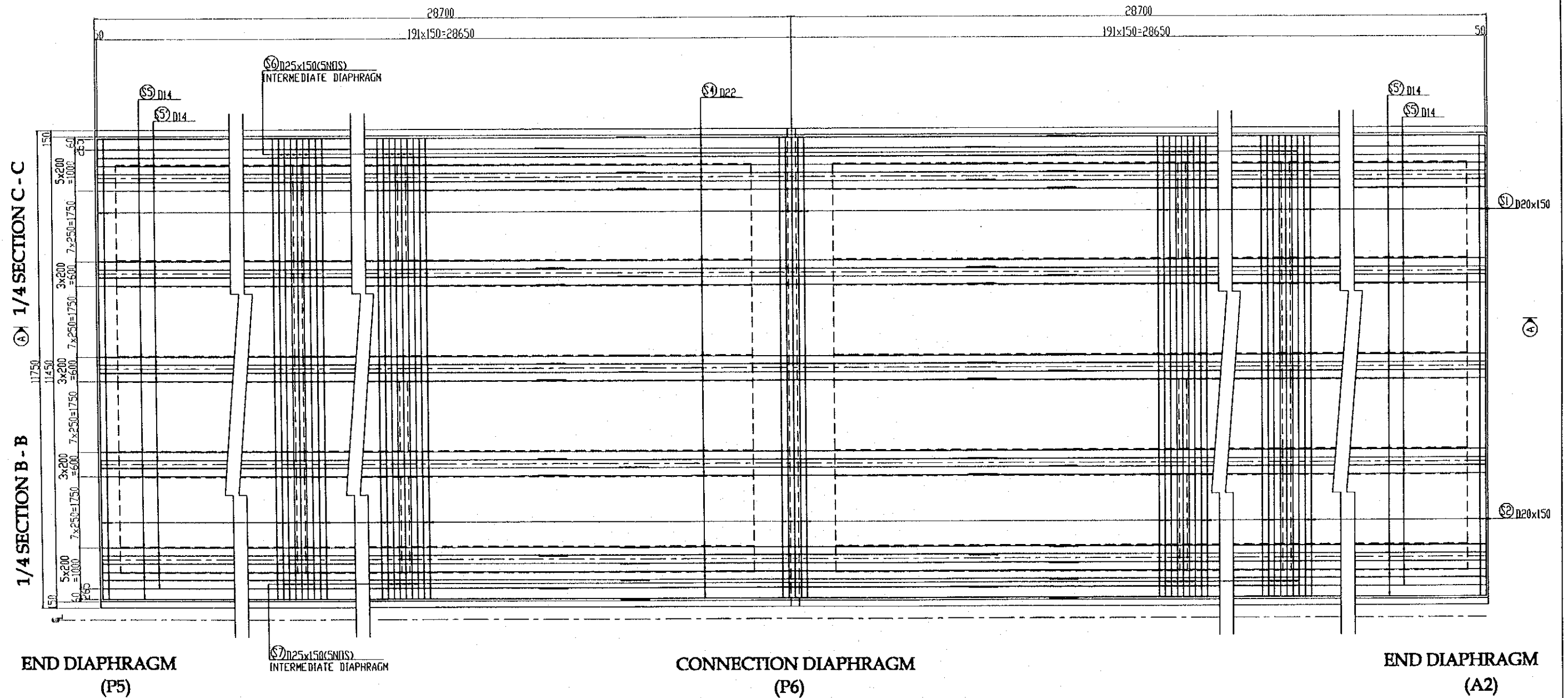
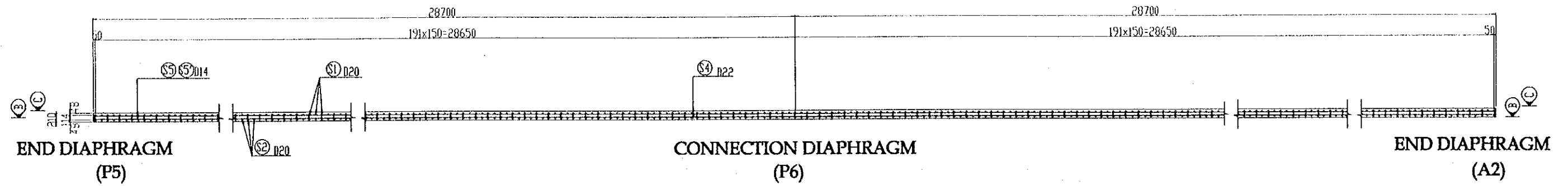
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BRI/0030

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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE DECK SLAB REINFORCEMENT-SHEET 2	P1/BR3/0240
				NAME SIGNATURE DATE	NAME SIGNATURE DATE	NAME SIGNATURE DATE		
				T. Kametani 20/9/2000	K. Matsumoto 29/9/2000	K. Enomoto 5/10/2000		



# SECTION A - A

SCALE: 1/100



## PLAN

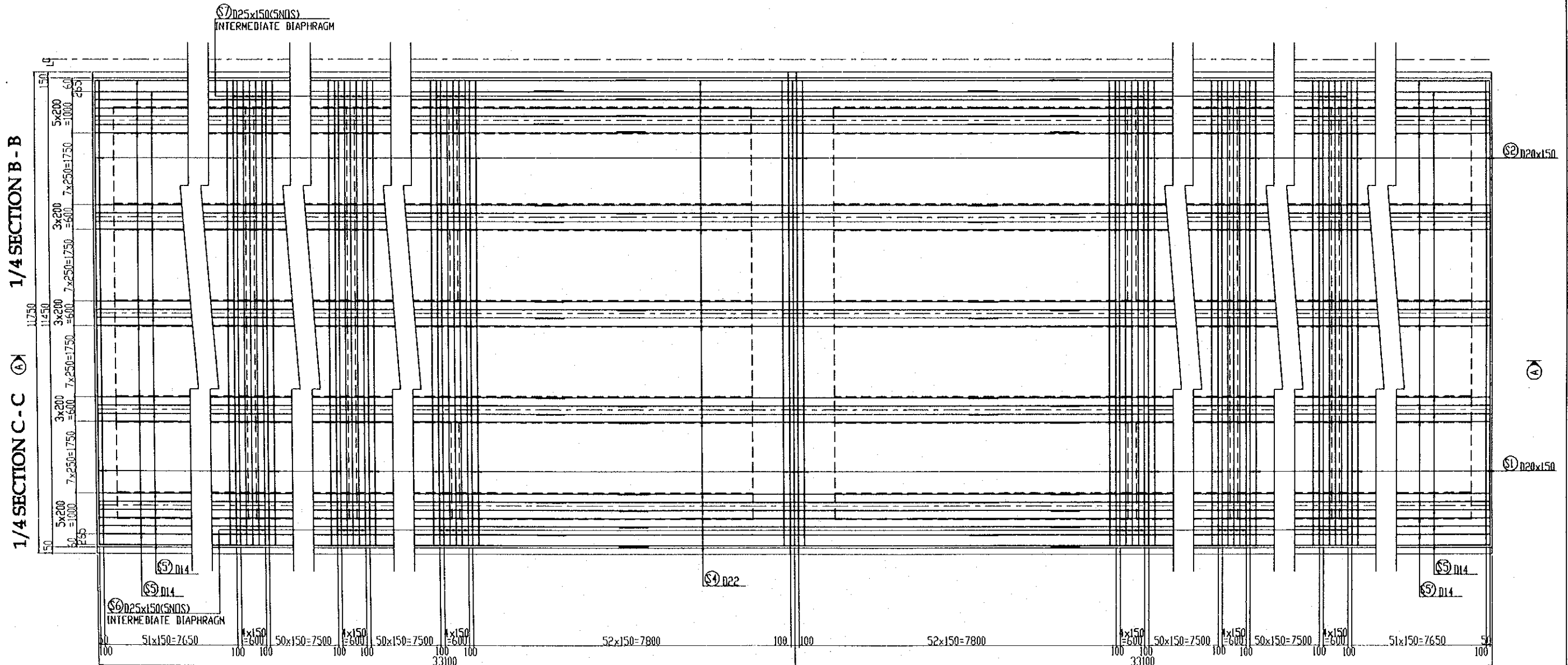
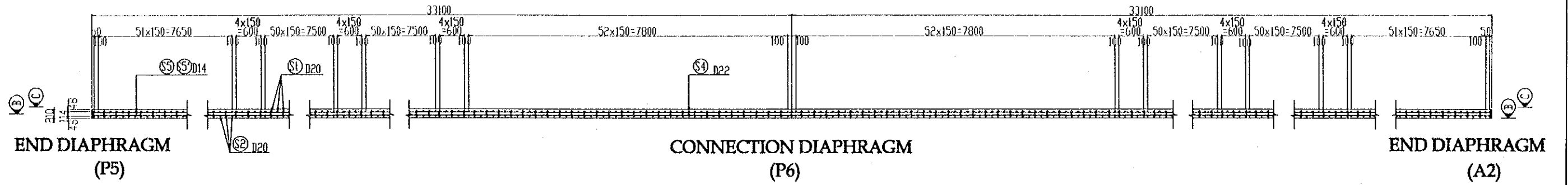
SCALE: 1/100

**NOTES:**  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/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	K. Matsumoto	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE DECK SLAB REINFORCEMENT-SHEET 3	P1/BR3/0250
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>		
				DATE	20/9/2000	29/9/2000		

# SECTION A - A

SCALE: 1/100



END DIAPHRAGM (P5)

CONNECTION DIAPHRAGM (P6)

END DIAPHRAGM (A2)

PLAN

SCALE: 1/100

### NOTES:

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

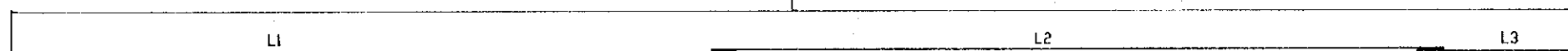
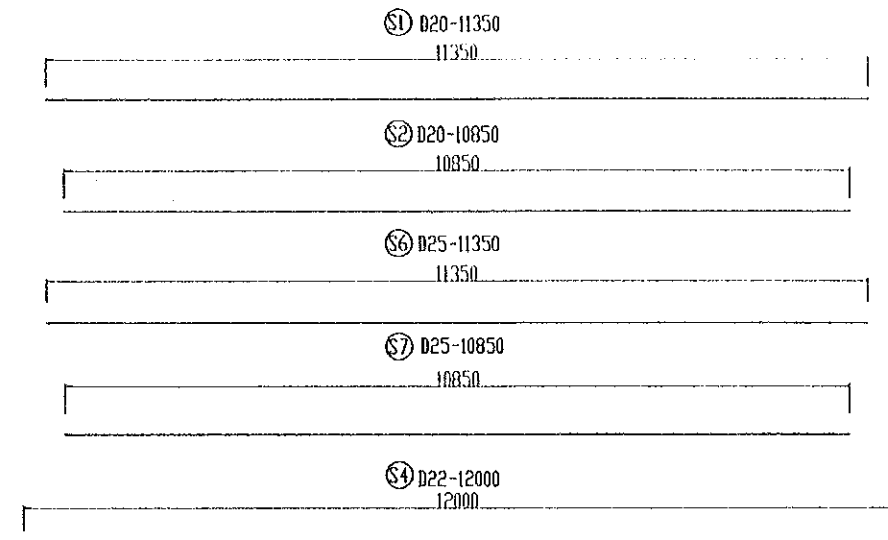
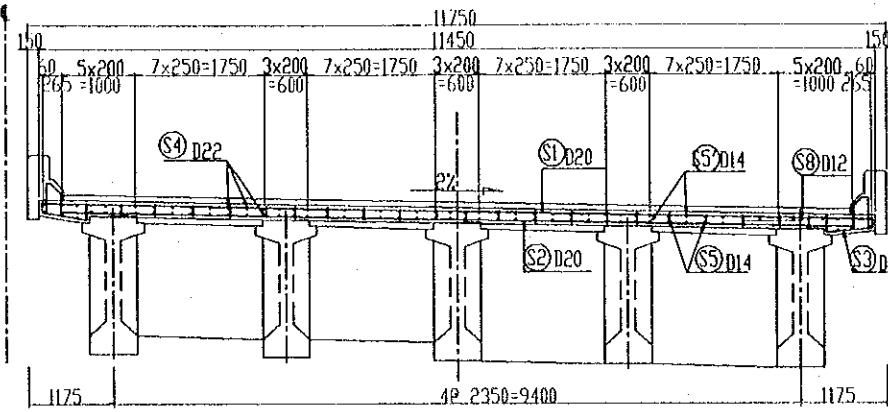
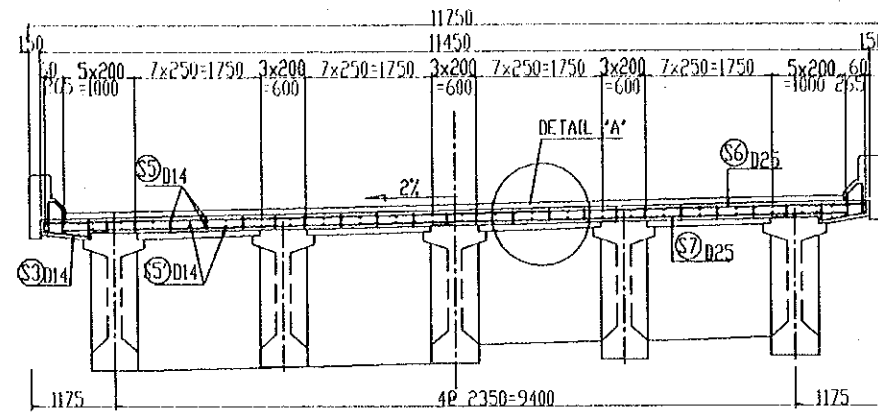
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN 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	TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE DECK SLAB REINFORCEMENT-SHEET 4	PI/BR3/0260

1/4 SECTION  
AT END DIAPHRAGM

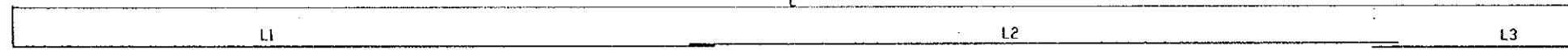
1/4 SECTION AT  
INTERMEDIATE DIAPHRAGM

1/4 SECTION AT  
CONNECTION DIAPHRAGM

1/4 SECTION  
AT END DIAPHRAGM

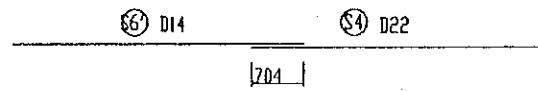
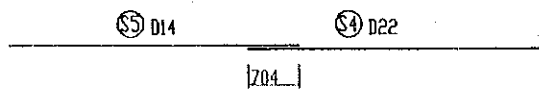
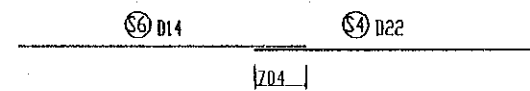
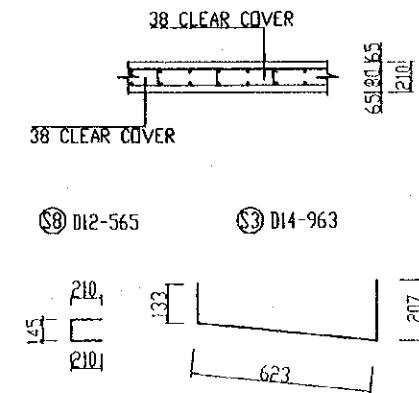


	L1	L2	L3	L
36.0M	12000	12000	6606	30606
31.6M	12000	12000	2206	26206
28.6M	12000	10780	-	22780
33.0M	12000	12000	3606	27606



	L1	L2	L3	L
36.0M	12000	12000	8606	32606
31.6M	12000	12000	4206	28206
28.6M	12000	12000	1206	25206
33.0M	12000	12000	5606	29606

DETAIL "A"  
SCALE 1:50



LIST OF REINFORCEMENT(L=36.0M)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	453	2.466	12684.0
S2	20	10850	453	2.466	12140.4
S3	14	963	966	1.208	1120.6
S4	22	12000	100	2.984	3580.0
S5	14	30606	100	1.208	3700.0
S5'	14	32606	100	1.208	3940.0
S6	25	11350	30	3.853	1311.0
S7	25	10850	30	3.853	1254.0
S8	12	565	5082	0.888	2551.2
TOTAL		42281.2	(KG)		
D25		2565.0	(KG)		
D22		3580.0	(KG)		
D20		24824.4	(KG)		
D14		8760.0	(KG)		
D12		2551.2	(KG)		

LIST OF REINFORCEMENT(L=31.6M)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	397	2.466	11116.0
S2	20	10850	397	2.466	10639.6
S3	14	963	854	1.208	990.6
S4	22	12000	100	2.984	3580.0
S5	14	26206	100	1.208	3170.0
S5'	14	28206	100	1.208	3410.0
S6	25	11350	30	3.853	1311.0
S7	25	10850	30	3.853	1254.0
S8	12	565	4494	0.888	2256.0
TOTAL		37727.2	(KG)		
D25		2565.0	(KG)		
D22		3580.0	(KG)		
D20		21755.6	(KG)		
D14		7570.6	(KG)		
D12		2256.0	(KG)		

LIST OF REINFORCEMENT(L=28.6M)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	353	2.466	9884.0
S2	20	10850	353	2.466	9460.4
S3	14	963	766	1.208	888.6
S4	22	12000	100	2.984	3580.0
S5	14	22780	100	1.208	2750.0
S5'	14	25206	100	1.208	3040.0
S6	25	11350	30	3.853	1311.0
S7	25	10850	30	3.853	1254.0
S8	12	565	4032	0.888	2024.1
TOTAL		34192.1	(KG)		
D25		2565.0	(KG)		
D22		3580.0	(KG)		
D20		19344.4	(KG)		
D14		6678.6	(KG)		
D12		2024.1	(KG)		

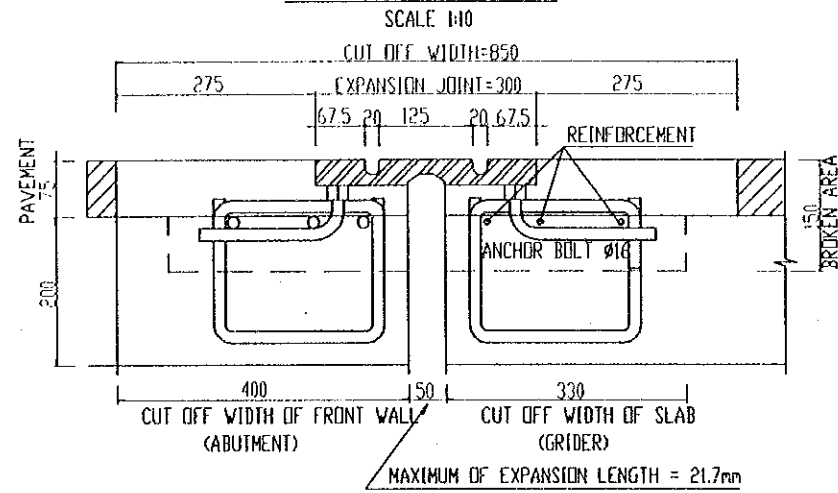
LIST OF REINFORCEMENT(L=33.0M)

TYPE	DIAMETER (mm)	LENGTH (mm)	NUMBER	UNITWEIGHT (kg/m)	WEIGHT (kg)
S1	20	11350	417	2.466	11676.0
S2	20	10850	417	2.466	11175.6
S3	14	963	894	1.208	1037.6
S4	22	12000	100	2.984	3580.0
S5	14	27606	100	1.208	3330.0
S5'	14	29606	100	1.208	3580.0
S6	25	11350	30	3.853	1311.0
S7	25	10850	30	3.853	1254.0
S8	12	565	4704	0.888	2361.4
TOTAL		39305.0	(KG)		
D25		2565.0	(KG)		
D22		3580.0	(KG)		
D20		22851.6	(KG)		
D14		7947.0	(KG)		
D12		2361.4	(KG)		

NOTES:  
FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO.P1/BR1/0030

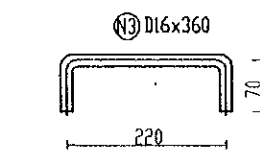
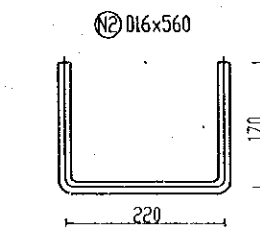
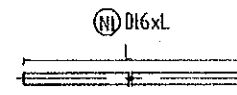
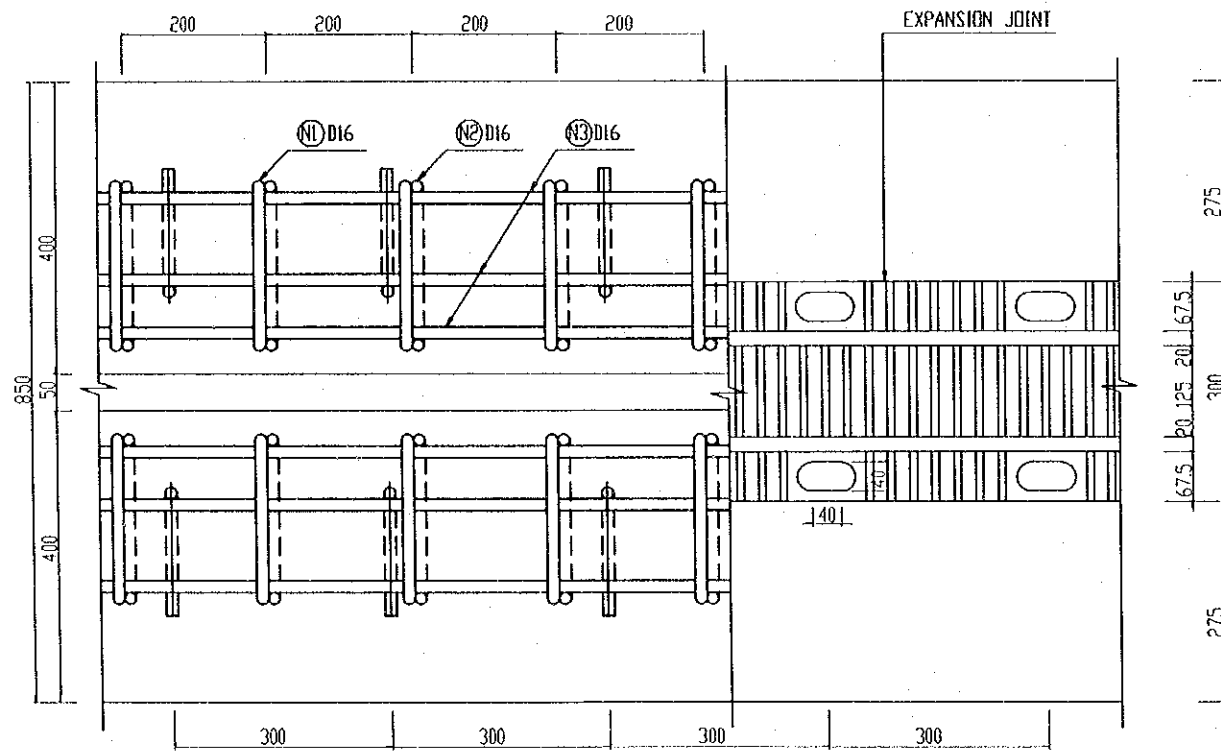
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE TRA ON BRIDGE SUPERSTRUCTURE APPROACH BRIDGE DECK SLAB REINFORCEMENT-SHEET 5	DWG NO. P1/BR3/0270	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>			<i>K. Enomoto</i>
				DATE	20/9/2000	29/9/2000	5/10/2000		

**FOR ABUTMENT**



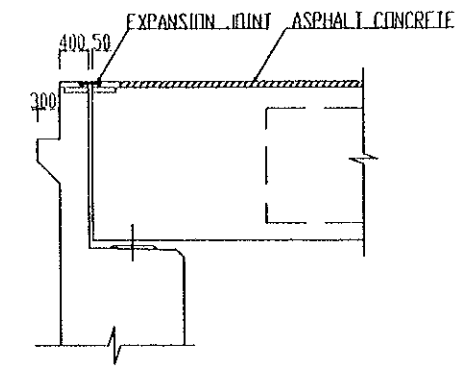
**PLAN OF EXPANSION JOINT**

SCALE 1:10



**DETAIL AT ABUTMENT**

SCALE 1:100



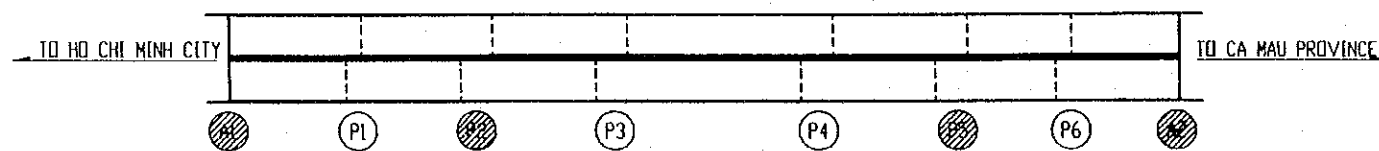
**QUANTITY TABLE (Per m)**

ITEMS	KIND OR SIZE	QUANTITY	REMARKS
EXPANSION JOINT	NEOPRENE RUBBER	1M	JIS-K-6301
ANCHOR BOLT	ø16 L = 272 mm		ø300
NUT	NEOPRENE RUBBER		
WASHER	NEOPRENE RUBBER		
REINFORCEMENT	① 3 - D16	4.72 kg	L=11.6 m, N=3
	② 5 - D16	4.42 kg	ø200
	③ 5 - D16	2.84 kg	ø200
CUT OFF	PAVEMENT	0.057 m <sup>3</sup>	
	SLAB	0.050 m <sup>3</sup>	
CONCRETE	B - 1	0.095 m <sup>3</sup>	CAST IN PLACE

**NOTES:**

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

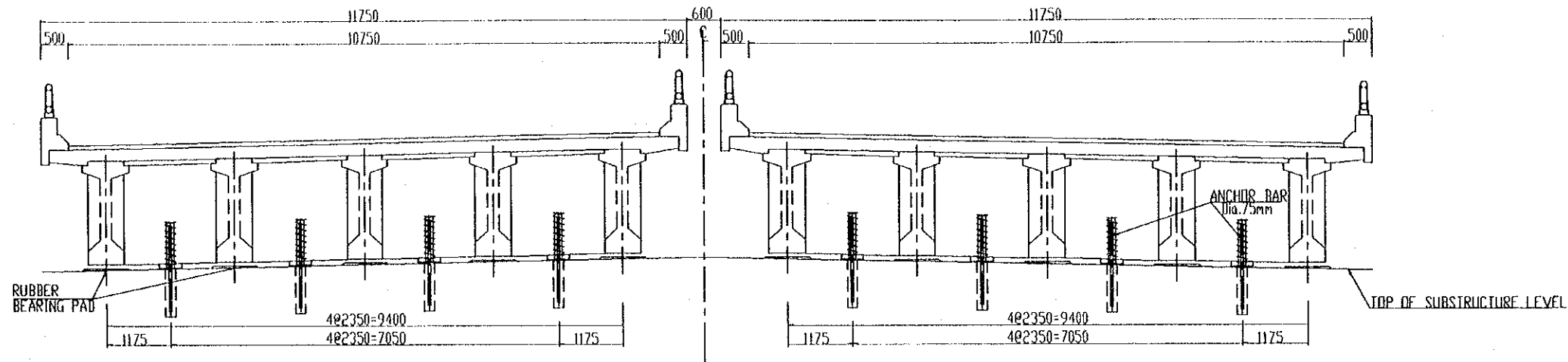
**MARKING DIAGRAM**



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 TRA ON BRIDGE SUPERSTRUCTURE-APPROACH BRIDGE DETAILS OF EXP ANSION JOINTS	DWG NO. P1/BR3/0280	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>			<i>K. Enomoto</i>
DATE	20/9/2000	29/9/2000	5/10/2000						

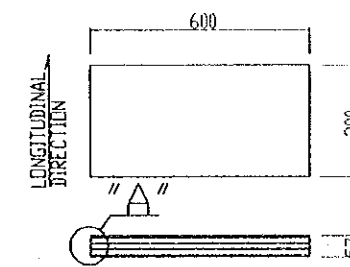
**CROSS SECTION**

SCALE 1:100



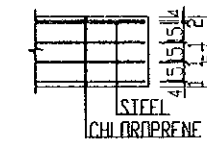
**ELASTOMERIC BEARING**

SCALE 1:20



**DETAIL "A"**

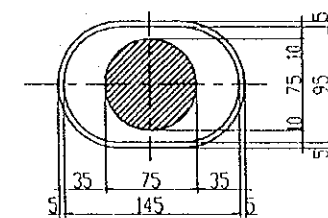
SCALE 1:5



**ANCHOR CAP AT ABUTMENT (L=28.8m,31.6m)**

SCALE 1:5

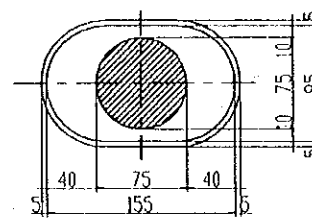
LONGITUDINAL DIRECTION



**ANCHOR CAP AT ABUTMENT (L=33.2m,36.2m)**

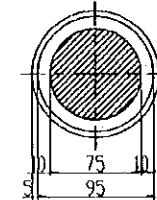
SCALE 1:5

LONGITUDINAL DIRECTION



**ANCHOR CAP AT P1,P2,P5&P6**

SCALE 1:5

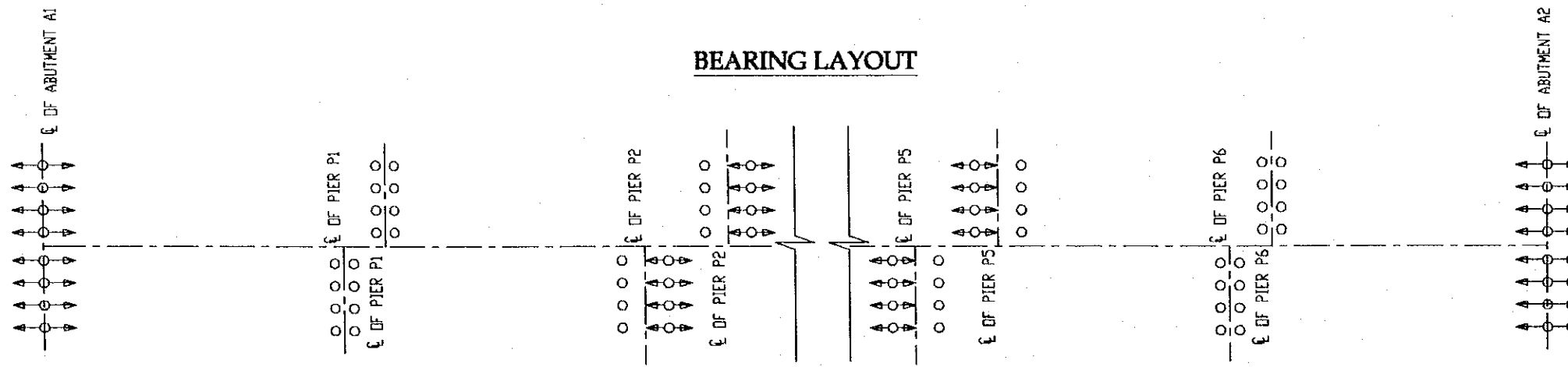


**QUANTITY TABLE**

(FOR SUPERSTRUCTURE-APPROACH BRIDGE)

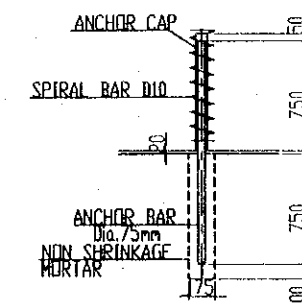
ITEMS	UNIT	QUANTITY
BEARINGS 600x300x57	SET	80
ANCHOR BAR	SET	64

**BEARING LAYOUT**



**ANCHOR BAR**

SCALE 1:50



**NOTES:**

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



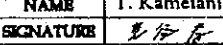


PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	TRA ON BRIDGE SUPERSTRUCTURE-APPROACH BRIDGE DETAILS OF BEARING	P1/BR3/0290
				NAME	DATE	DATE	DATE	
				20/9/2000	29/9/2000	5/10/2000		

QUANTITY TABLE OF SUPERSTRUCTURE APPROACH BRIDGE

ITEM		WORK ITEM	UNIT	QUANTITY	Remarks
CONCRETE	CLASS B	GIRDER	m <sup>3</sup>	1004.6	
	CLASS D	PANEL	m <sup>3</sup>	35.1	
		DECK SLAB	m <sup>3</sup>	637.7	
		CROSS BEAM	m <sup>3</sup>	175.9	
		TOTAL	m <sup>3</sup>	848.8	
REINFORCEMENT		CROSS BEAMS	ton	19.4	
		DECK SLAB	ton	153.5	
		GIRDER	ton	194.8	
		PANEL	ton	5.0	
		TOTAL	ton	372.6	
PC CABLE	12S12.7	LONGITUDINAL TENDONS	ton	54.3	
	3S12.7	TRANSVERSE TENDONS	ton	1.7	
ANCHOR	12S12.7		SET	72.0	
	3S12.7		SET	144.0	
STEEL SHEAR KYE			SET	450.0	
SHEATHING	\$80/85		m	5845.2	
	\$50/55		m	723.6	
CEMENT GROUT IN SHEATHING			m <sup>3</sup>	30.8	
EXPANSION JOINT	50mm		m	30.8	
BEARING	500x300x57mm		SET	129.7	
ANCHOR BAR			SET	80.0	
PAVEMENT	70mm		m <sup>2</sup>	2758.5	
WATER PROOFING	5mm		m <sup>2</sup>	2758.5	

NOTES:

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

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 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. Kamelani SIGNATURE:  DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE:  DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE:  DATE: 5/10/2000	TRA ON BRIDGE SUPERSTRUCTURE-APPROCH-BRIDGE QUANTITY TABLE OF SUPERSTRUCTURE-APPROCH BRIDGE	P1/BR3/0300