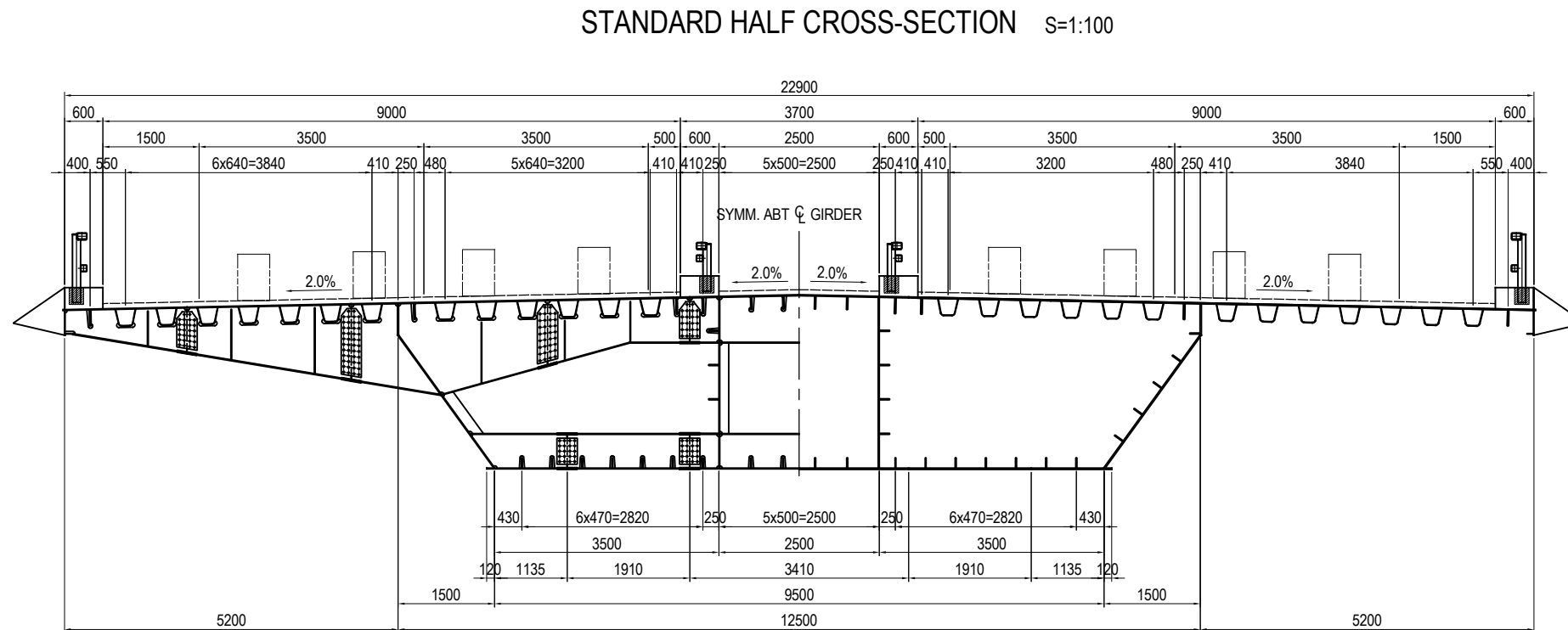
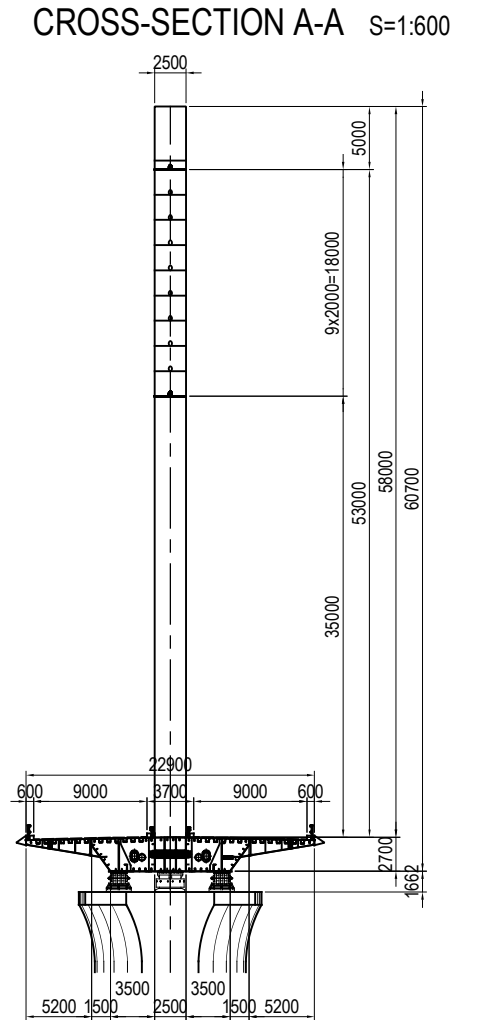
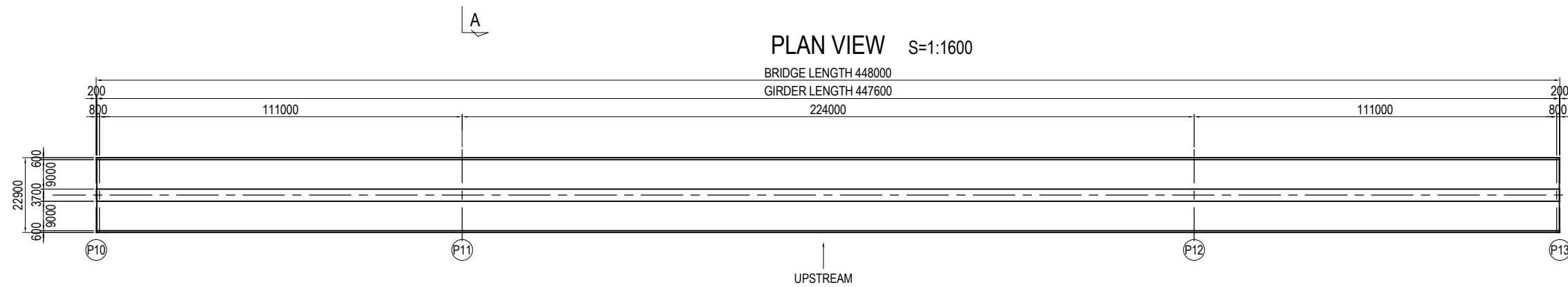
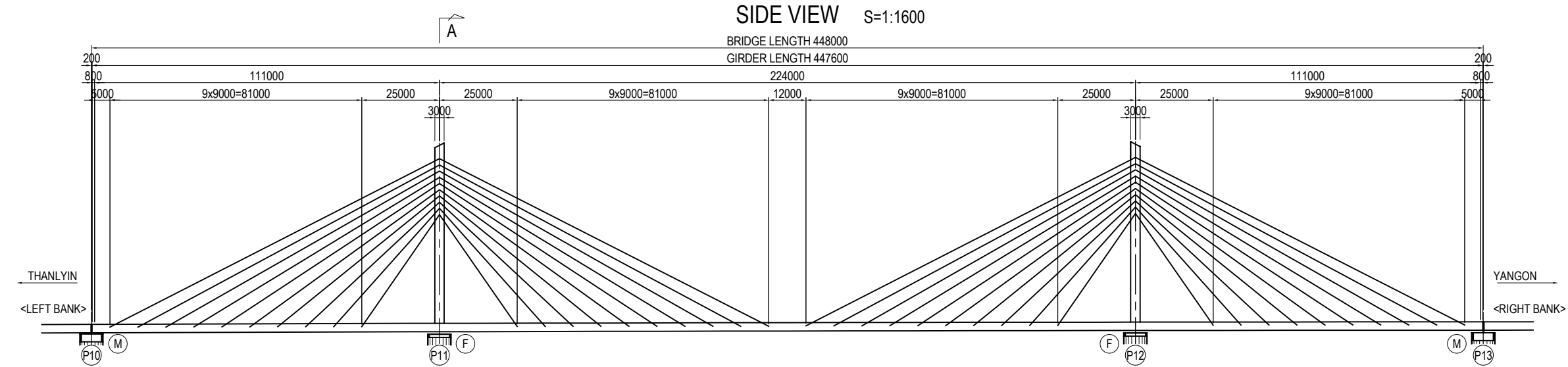


E. STEEL CABLE STAYED BRIDGE

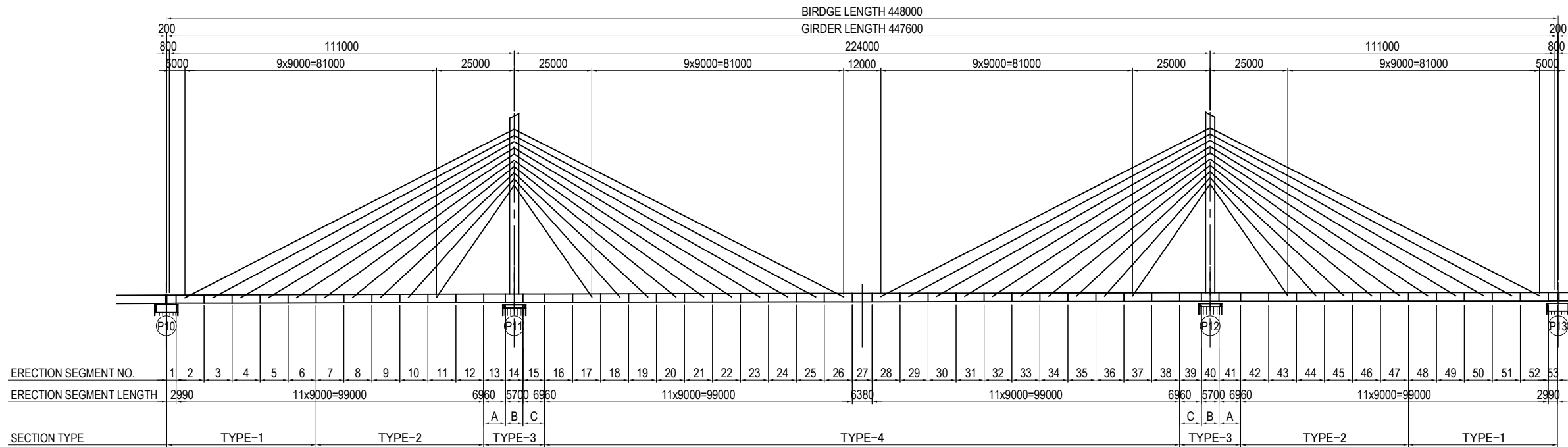
GENERAL VIEW OF STEEL CABLE STAYED BRIDGE (1)



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE GENERAL VIEW OF STEEL CABLE STAYED BRIDGE (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-001

GENERAL VIEW OF STEEL CABLE STAYED BRIDGE (2)

SIDE VIEW



UNIT : mm

DECK PL	THK	16	16	16	16																16	16	16				
	STEEL GRADE	SM400	SM400	a	b	a	SM400																a	b	a	SM400	SM400
	TROUGH	320 x 240 x 8	320 x 240 x 8	320 x 240 x 8	320 x 240 x 8																320 x 240 x 8	320 x 240 x 8	320 x 240 x 8				
	LONGIT. RIB A	250 x 24	250 x 24	250 x 24	250 x 24																250 x 24	250 x 24	250 x 24				
OUTER WEB	LONGIT. RIB B	200 x 20	200 x 20	200x20	200 x 20																200x20	200 x 20	200 x 20				
	THK	14	14	17	14																17	14	14				
INNER WEB	STEEL GRADE	SM490Y	SM490Y	SM490Y	SM490Y																SM490Y	SM490Y	SM490Y				
	THK	14	14	18	35	18	14																18	35	18	14	14
	LONGIT. RIB	160 x 16	160 x 16	200 x 20	160 x 16																200 x 20	160 x 16	160 x 16				
BOTTOM FLANGE	THK	14	11	15	11																15	11	14				
	STEEL GRADE	SM490Y	SM490Y	SM490Y	SM490Y																SM490Y	SM490Y	SM490Y				
	LONGIT. RIB	160 x 16	160 x 16	200 x 20	160 x 16																200 x 20	160 x 16	160 x 16				

a : SM400A
b : SM490Y

GENERAL VIEW OF STEEL CABLE STAYED BRIDGE (3)

SIDE VIEW S=1:400

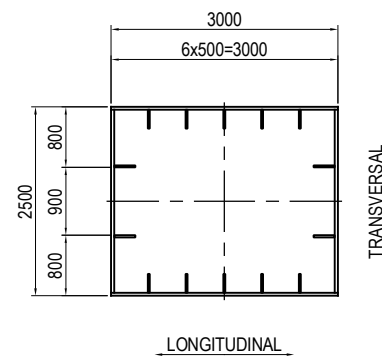
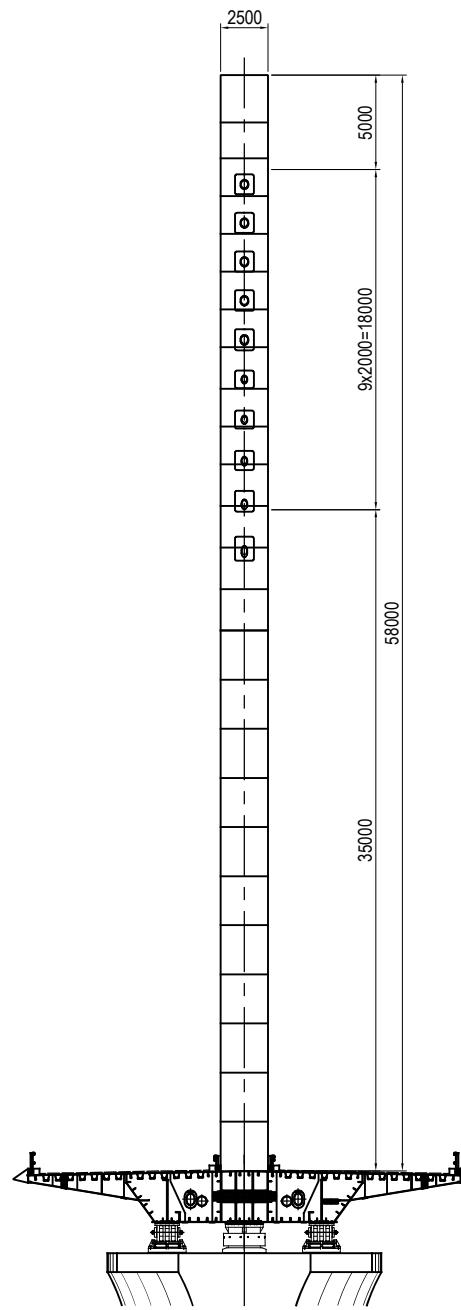
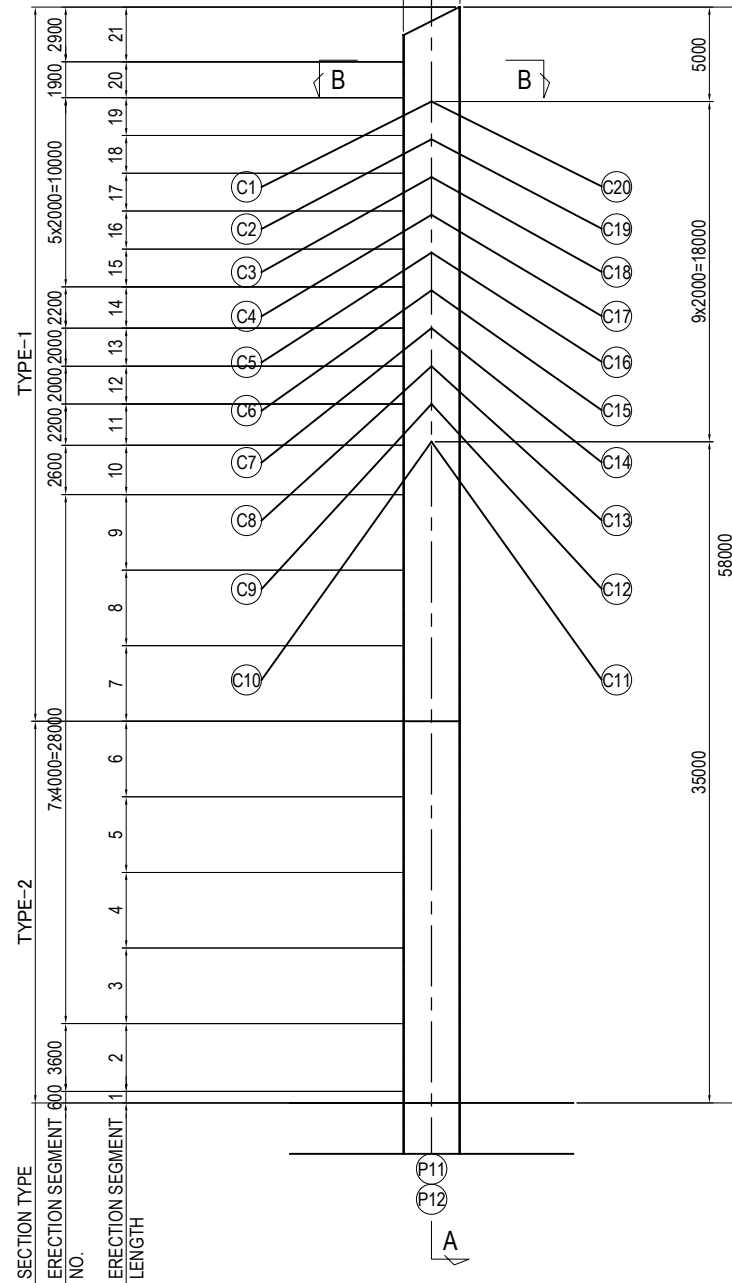
SECTION A-A

SECTION B-B

UNIT: mm

STEEL GRADE	SM490Y
FLANGE THK	2420x40
LONGIT. RIB	2-280x27
WEB THK	3000x40
LONGIT. RIB	5-250x25

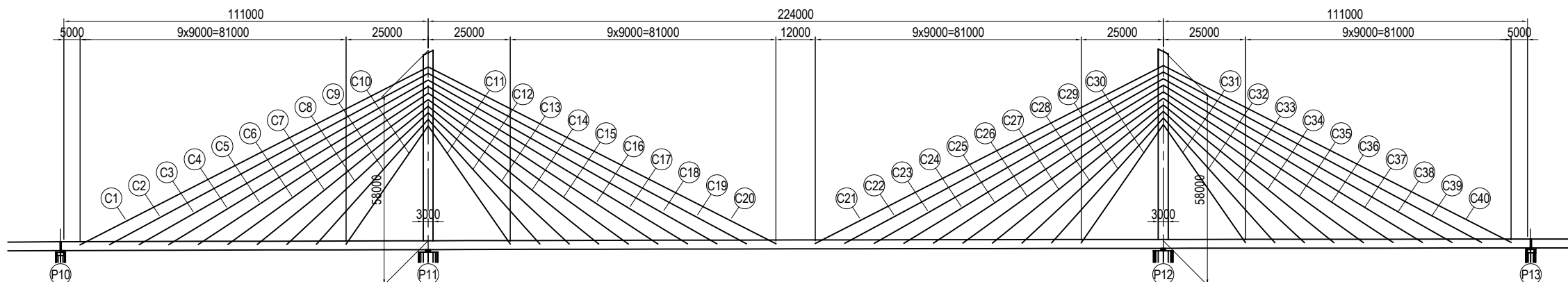
STEEL GRADE	SM490Y
FLANGE THK	2430x35
LONGIT. RIB	2-280x25
WEB THK	3000x35
LONGIT. RIB	5-250x25



STAY CABLE NO.	NOS.	TYPE
C1	2	FUT-H (Φ15.6×70)
C2	2	
C3	2	
C4	2	
C5	2	FUT-H (Φ15.6×37)
C6	2	
C7	2	
C8	2	
C9	2	FUT-H (Φ15.6×37)
C10	2	
C11	2	
C12	2	
C13	2	FUT-H (Φ15.6×70)
C14	2	
C15	2	
C16	2	
C17	2	FUT-H (Φ15.6×70)
C18	2	
C19	2	
C20	2	

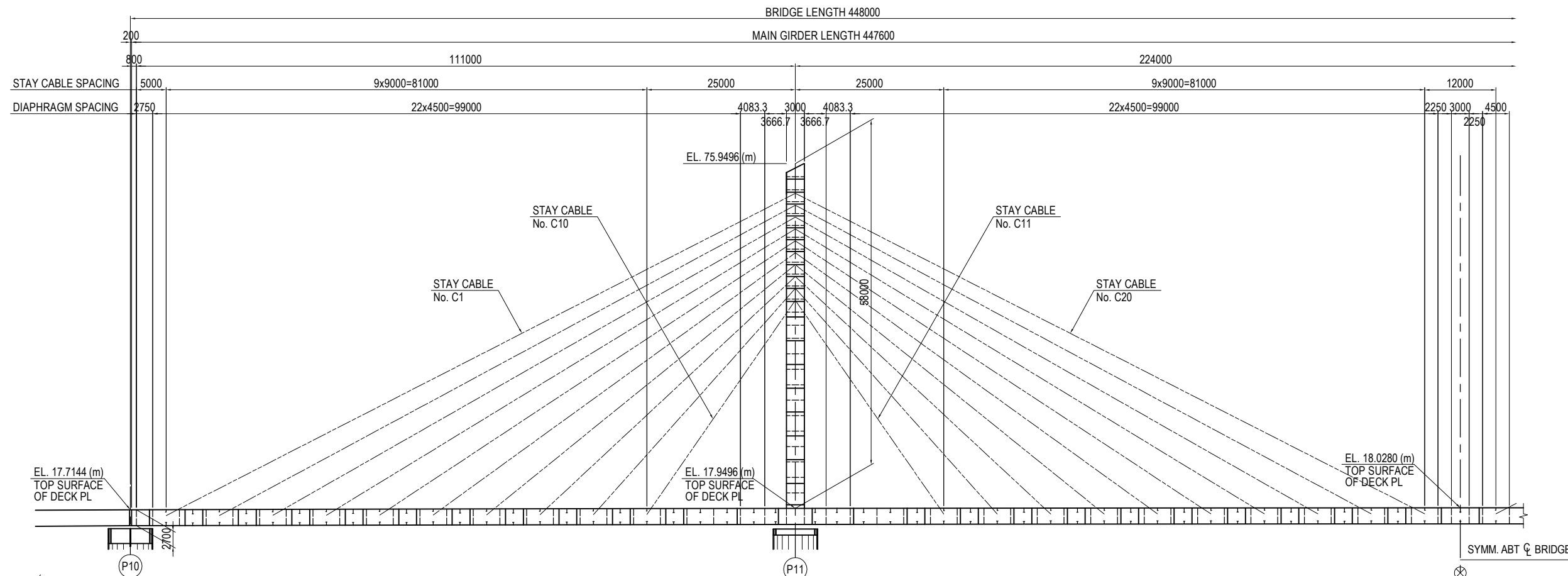
ANCHORAGE TYPE	37H	70H
CABLE CROSS SECTION		
NOM.AREA	5420 mm ²	10255 mm ²
TENSILE STRENGTH	9657 kN	18270 kN
ELASTIC MODULUS	190 kN/mm ²	190 kN/mm ²
UNIT WEIGHT (STRANDS+HDPE DUCT)	50.8 kg/m (37×1.288+3.1)	96.0 kg/m (70×1.288+5.8)

LAYOUT DRAWING S=1:1600

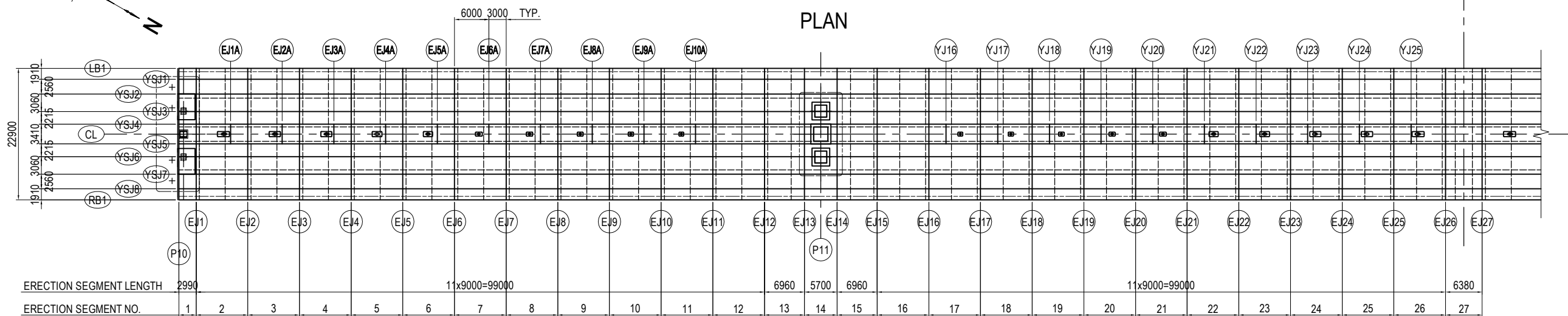


GENERAL VIEW OF MAIN GIRDER (1) S=1:800

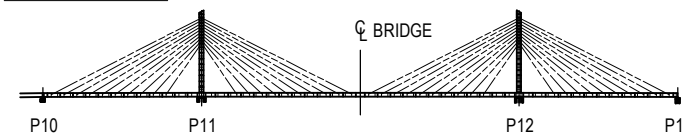
ELEVATION



PLAN

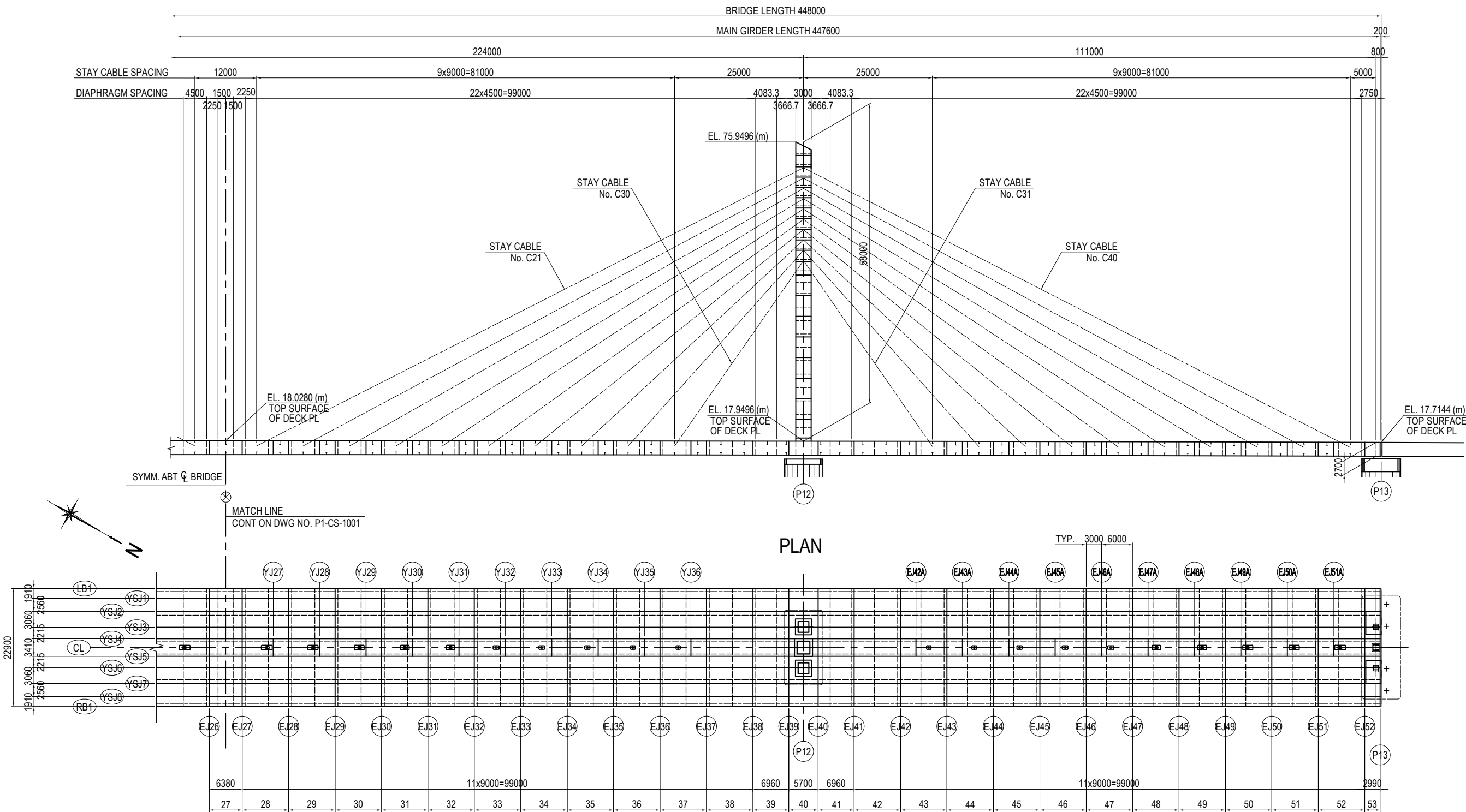


KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE GENERAL VIEW OF MAIN GIRDER (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1001

GENERAL VIEW OF MAIN GIRDER (2) S=1:800

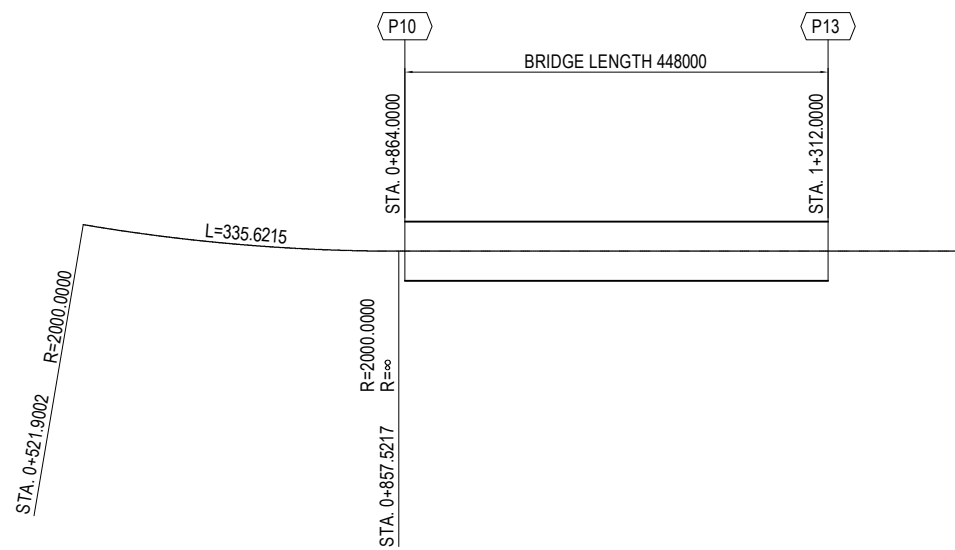


<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> GENERAL VIEW OF MAIN GIRDER (2)	<small>PACKAGE</small> 1 <small>DWG No.</small> P1-CS-1002
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

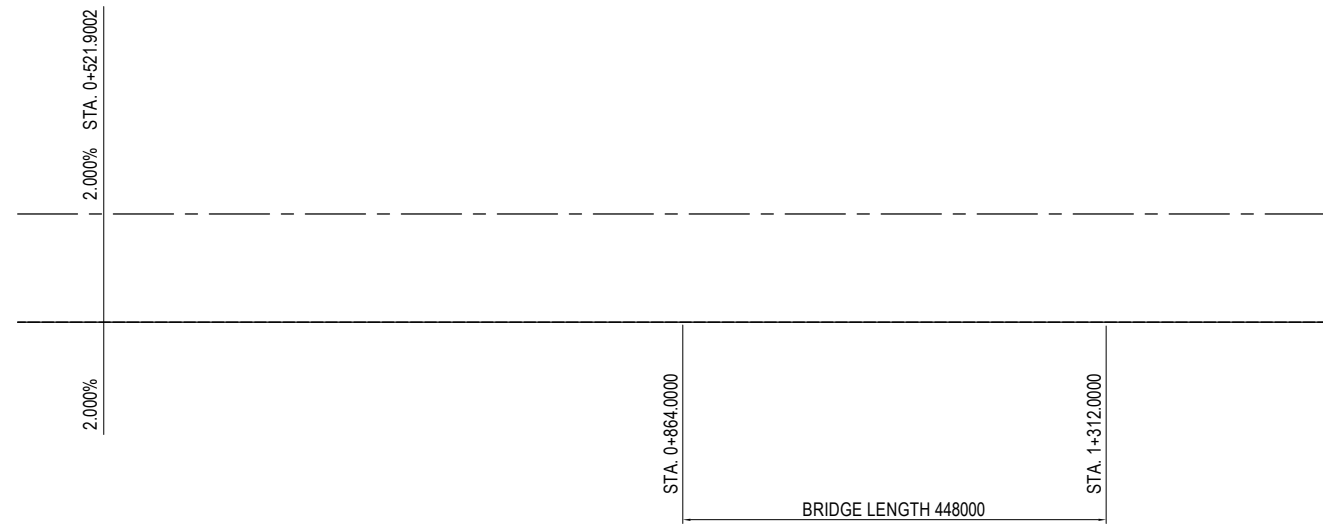
GENERAL VIEW OF MAIN GIRDER (3)

LINEAR ELEMENT

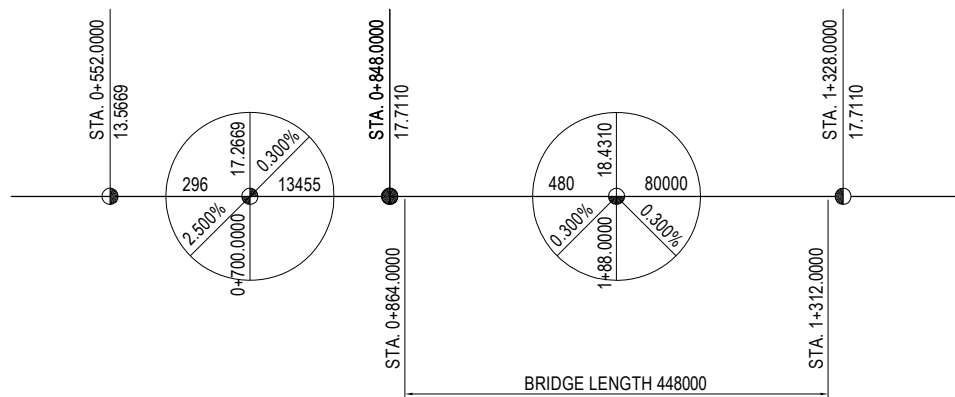
PLAN



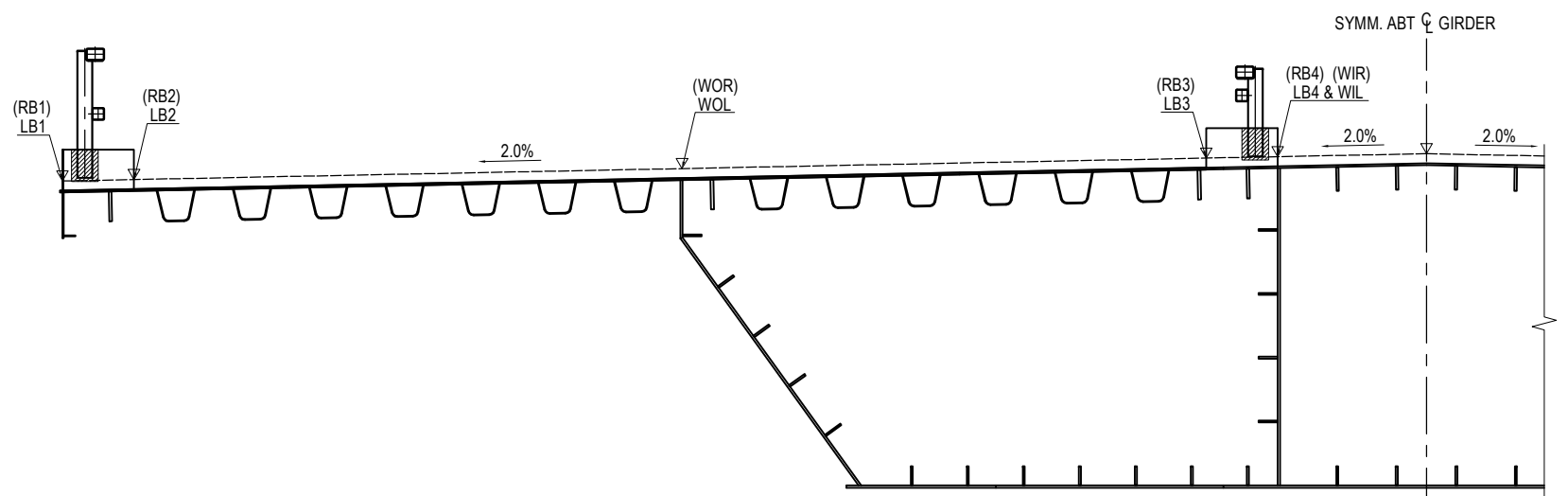
TRANSVERSAL



PROFILE



TYPICAL CROSS SECTION



PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	PREPARED BY T. TOMODA			GENERAL VIEW OF MAIN GIRDER (3)	1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1003

GENERAL VIEW OF MAIN GIRDER (4)

		P10	GE1	S1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
LB1	X	1857872.9516	1857873.1247	1857873.8174	1857876.1982	1857880.0941	1857883.9900	1857887.8859	1857891.7819	1857895.6778	1857899.5737	1857903.4696	1857907.3655	1857911.2615	1857915.1574	1857919.0533
	Y	205229.3690	205229.2689	205228.8685	205227.4922	205225.2402	205222.9881	205220.7360	205218.4840	205216.2319	205213.9798	205211.7277	205209.4757	205207.2236	205204.9715	205202.7195
	Z	17.5654	17.5659	17.5682	17.5758	17.5880	17.6000	17.6118	17.6233	17.6346	17.6456	17.6563	17.6668	17.6770	17.6870	17.6967
LB2	X	1857873.2519	1857873.4250	1857874.1176	1857876.4985	1857880.3944	1857884.2903	1857888.1862	1857892.0821	1857895.9781	1857899.8740	1857903.7699	1857907.6658	1857911.5617	1857915.4577	1857919.3536
	Y	205229.8884	205229.7883	205229.3880	205228.0117	205225.7596	205223.5076	205221.2555	205219.0034	205216.7513	205214.4993	205212.2472	205209.9951	205207.7431	205205.4910	205203.2389
	Z	17.5774	17.5779	17.5802	17.5878	17.6000	17.6120	17.6238	17.6353	17.6466	17.6576	17.6683	17.6788	17.6890	17.6990	17.7087
WOL	X	1857875.5540	1857875.7271	1857876.4197	1857878.8006	1857882.6965	1857886.5924	1857890.4883	1857894.3843	1857898.2802	1857902.1761	1857906.0720	1857909.9679	1857913.8639	1857917.7598	1857921.6557
	Y	205233.8709	205233.7708	205233.3705	205231.9942	205229.7421	205227.4900	205225.2380	205222.9859	205220.7338	205218.4818	205216.2297	205213.9776	205211.7256	205209.4735	205207.2214
	Z	17.6694	17.6699	17.6722	17.6798	17.6920	17.7040	17.7158	17.7273	17.7386	17.7496	17.7603	17.7708	17.7810	17.7910	17.8007
LB3	X	1857877.7560	1857877.9292	1857878.6218	1857881.0026	1857884.8985	1857888.7944	1857892.6904	1857896.5863	1857900.4822	1857904.3781	1857908.2740	1857912.1700	1857916.0659	1857919.9618	1857923.8577
	Y	205237.6803	205237.5802	205237.1798	205235.8035	205233.5515	205231.2994	205229.0473	205226.7953	205224.5432	205222.2911	205220.0390	205217.7870	205215.5349	205213.2828	205211.0308
	Z	17.7574	17.7579	17.7602	17.7678	17.7800	17.7920	17.8038	17.8153	17.8266	17.8376	17.8483	17.8588	17.8690	17.8790	17.8887
LB4	X	1857878.0563	1857878.2294	1857878.9220	1857881.3029	1857885.1988	1857889.0947	1857892.9906	1857896.8866	1857900.7825	1857904.6784	1857908.5743	1857912.4702	1857916.3661	1857920.2621	1857924.1580
	Y	205238.1997	205238.0996	205237.6992	205236.3230	205234.0709	205231.8188	205229.5668	205227.3147	205225.0626	205222.8106	205220.5585	205218.3064	205216.0544	205213.8023	205211.5502
	Z	17.7694	17.7699	17.7722	17.7798	17.7920	17.8040	17.8158	17.8273	17.8386	17.8496	17.8603	17.8708	17.8810	17.8910	17.9007
WIL	X	1857878.0563	1857878.2294	1857878.9220	1857881.3029	1857885.1988	1857889.0947	1857892.9906	1857896.8866	1857900.7825	1857904.6784	1857908.5743	1857912.4702	1857916.3661	1857920.2621	1857924.1580
	Y	205238.1997	205238.0996	205237.6992	205236.3230	205234.0709	205231.8188	205229.5668	205227.3147	205225.0626	205222.8106	205220.5585	205218.3064	205216.0544	205213.8023	205211.5502
	Z	17.7694	17.7699	17.7722	17.7798	17.7920	17.8040	17.8158	17.8273	17.8386	17.8496	17.8603	17.8708	17.8810	17.8910	17.9007
CL	X	1857878.6819	1857878.8550	1857879.5476	1857881.9285	1857885.8244	1857889.7203	1857893.6162	1857897.5121	1857901.4080	1857905.3040	1857909.1999	1857913.0958	1857916.9917	1857920.8876	1857924.7836
	Y	205239.2819	205239.1818	205238.7814	205237.4052	205235.1531	205232.9010	205230.6490	205228.3969	205226.1448	205223.8928	205221.6407	205219.3886	205217.1366	205214.8845	205212.6324
	Z	17.7944	17.7949	17.7972	17.8048	17.8170	17.8290	17.8408	17.8523	17.8636	17.8746	17.8853	17.8958	17.9060	17.9160	17.9257
WIR	X	1857879.3074	1857879.4806	1857880.1732	1857882.5540	1857886.4499	1857890.3459	1857894.2418	1857898.1377	1857902.0336	1857905.9295	1857909.8255	1857913.7214	1857917.6173	1857921.5132	1857925.4091
	Y	205240.3641	205240.2640	205239.8636	205238.4874	205236.2353	205233.9832	205231.7312	205229.4791	205227.2270	205224.9750	205222.7229	205220.4708	205218.2188	205215.9667	205213.7146
	Z	17.7694	17.7699	17.7722	17.7798	17.7920	17.8040	17.8158	17.8273	17.8386	17.8496	17.8603	17.8708	17.8810	17.8910	17.9007
RB4	X	1857879.3074	1857879.4806	1857880.1732	1857882.5540	1857886.4499	1857890.3459	1857894.2418	1857898.1377	1857902.0336	1857905.9295	1857909.8255	1857913.7214	1857917.6173	1857921.5132	1857925.4091
	Y	205240.3641	205240.2640	205239.8636	205238.4874	205236.2353	205233.9832	205231.7312	205229.4791	205227.2270	205224.9750	205222.7229	205220.4708	205218.2188	205215.9667	205213.7146
	Z	17.7694	17.7699	17.7722	17.7798	17.7920	17.8040	17.8158	17.8273	17.8386	17.8496	17.8603	17.8708	17.8810	17.8910	17.9007
RB3	X	1857879.6077	1857879.7809	1857880.4735	1857882.8543	1857886.7502	1857890.6461	1857894.5421	1857898.4380	1857902.3339	1857906.2298	1857910.1257	1857914.0217	1857917.9176	1857921.8135	1857925.7094
	Y	205240.8836	205240.7835	205240.3831	205239.0068	205236.7548	205234.5027	205232.2506	205229.9986	205227.7465	205225.4944	205223.2424	205220.9903	205218.7382	205216.4861	205214.2341
	Z	17.7574	17.7579	17.7602	17.7678	17.7800	17.7920	17.8038	17.8153	17.8266	17.8376	17.8483	17.8588	17.8690	17.8790	17.8887
WOR	X	1857881.8097	1857881.9829	1857882.6755	1857885.0563	1857888.9522	1857892.8482	1857896.7441	1857900.6400	1857904.5359	1857908.4318	1857912.3278	1857916.2237	1857920.1196	1857924.0155	1857927.9114
	Y	205244.6929	205244.5928	205244.1924	205242.8162	205240.5641	205238.3120	205236.0600	205233.8079	205231.5558	205229.3038	205227.0517	205224.7996	205222.5476	205220.2955	205218.0434
	Z	17.6694	17.6699	17.6722	17.6798	17.6920	17.7040	17.7158	17.7273	17.7386	17.7496	17.7603	17.7708	17.7810	17.7910	17.8007
RB2	X	1857884.1118	1857884.2850	1857884.9776	1857887.3584	1857891.2544	1857895.1503	1857899.0462	1857902.9421	1857906.8380	1857910.7340	1857914.6299	1857918.5258	1857922.4217	1857926.3176	1857930.2136
	Y	205248.6754	205248.5753	205248.1749	205246.7987	205244.5466	205242.2945	205240.0425	205237.7904	205235.5383	205233.2863	205231.0342	205228.7821	205226.5301	205224.2780	205222.0259
	Z	17.5774	17.5779	17.5802	17.5878	17.6000	17.6120	17.6238	17.6353	17.6466	17.6576	17.6683	17.6788	17.6890	17.6990	17.7087
RB1	X	1857884.4121	1857884.5853	1857885.2779	1857887.6587	1857891.5546	1857895.4506	1857899.3465	1857903.2424	1857907.1383	1857911.0342	1857914.9302	1857918.8261	1857922.7220	1857926.6179	1857930.5138
	Y	205249.1949	205249.0948	205248.6944	205247.3181	205245.0661	205242.8140	205240.5619	205238.3099	205236.0578	205233.8057	205231.5536	205229.3016	205227.0495	205224.7974	205222.5454
	Z	17.5654	17.5659	17.5682	17.5758	17.5880	17.6000	17.6118	17.6233	17.6346	17.6456	17.6563	17.6668	17.6770	17.6870	17.6967

		D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	P11L	P11	P11R
LB1	X	1857922.9492	1857926.8451	1857930.7411	1857934.6370	1857938.5329	1857942.4288	1857946.3247	1857950.2206	1857954.1166	1857958.0125	1857961.9084	1857965.8043	1857969.7002	1857973.5961	1857977.4920
	Y	205200.4674	205198.2153	205195.9633	205193.7112	205191.4591	205189.2071	205186.9550	205184.7029	205182.4508	205180.1988	205177.9467	205175.6946	205173.4425	205171.1904	205168.9383
	Z	17.7062	17.7155	17.7244	17.7331	17.7416	17.7498	17.7578	17.7655	17.7729	17.7801	17.7871	17.7937	17.8000	17.8060	17.8117
LB2	X	1857923.2495	1857927.1454	1857931.0413	1857934.9372	1857938.8332	1857942.7291	1857946.6250	1857950.5209	1857954.4168	1857958.3128	1857962.2087	1857966.1046	1857970.0005	1857973.8964	1857977.7923
	Y	205200.9869	205198.7348	205196.4827	205194.2307	205191.9786	205189.7265	205187.4744	205185.2224	205182.9703	205180.7182	205178.4662	205176.2141	205173.9620	205171.7100	205169.4579
	Z	17.7182	17.7275	17.7364	17.7451	17.7536	17.7618	17.7698	17.7775	17.7849	17.7921	17.7991	17.8058	17.8125	17.8190	17.8257
WOL	X	1857925.5516	1857929.4475	1857933.3434	1857937.2394	1857941.1353	1857945.0312	1857948.9271	1857952.8230	1857956.7190	1857960.6149	1857964.5108	1857968.4067	1857972.3026	1857976.1985	1857979.0944
	Y	205204.9694	205202.7173	205200.4652	205198.2131	205195.9611	205193.709									

GENERAL VIEW OF MAIN GIRDER (5)

		D25	D26	D27	D28	D29	D30	D31	D32	D33	D34	D35	D36	D37	D38
LB1	X	1857974.3898	1857977.9250	1857981.8209	1857985.7168	1857989.6127	1857993.5086	1857997.4045	1858001.3005	1858005.1964	1858009.0923	1858012.9882	1858016.8841	1858020.7801	1858024.6760
	Y	205170.7317	205168.6882	205166.4361	205164.1841	205161.9320	205159.6799	205157.4279	205155.1758	205152.9237	205150.6717	205148.4196	205146.1675	205143.9154	205141.6634
	Z	17.8076	17.8130	17.8186	17.8240	17.8292	17.8341	17.8387	17.8431	17.8473	17.8511	17.8548	17.8581	17.8613	17.8641
LB2	X	1857974.6900	1857978.2252	1857982.1211	1857986.0171	1857989.9130	1857993.8089	1857997.7048	1858001.6007	1858005.4967	1858009.3926	1858013.2885	1858017.1844	1858021.0803	1858024.9763
	Y	205171.2512	205169.2077	205166.9556	205164.7035	205162.4515	205160.1994	205157.9473	205155.6952	205153.4432	205151.1911	205148.9390	205146.6870	205144.4349	205142.1828
	Z	17.8196	17.8250	17.8306	17.8360	17.8412	17.8461	17.8507	17.8551	17.8593	17.8631	17.8668	17.8701	17.8733	17.8761
WOL	X	1857976.9922	1857980.5273	1857984.4233	1857988.3192	1857992.2151	1857996.1110	1858000.0069	1858003.9029	1858007.7988	1858011.6947	1858015.5906	1858019.4865	1858023.3824	1858027.2784
	Y	205175.2337	205173.1902	205170.9381	205168.6860	205166.4339	205164.1819	205161.9298	205159.6777	205157.4257	205155.1736	205152.9215	205150.6695	205148.4174	205146.1653
	Z	17.9116	17.9170	17.9226	17.9280	17.9332	17.9381	17.9427	17.9471	17.9513	17.9551	17.9588	17.9621	17.9653	17.9681
LB3	X	1857979.1942	1857982.7294	1857986.6253	1857990.5212	1857994.4171	1857998.3130	1858002.2090	1858006.1049	1858010.0008	1858013.8967	1858017.7926	1858021.6886	1858025.5845	1858029.4804
	Y	205179.0430	205176.9995	205174.7474	205172.4954	205170.2433	205167.9912	205165.7392	205163.4871	205161.2350	205158.9829	205156.7309	205154.4788	205152.2267	205149.9747
	Z	17.9996	18.0050	18.0106	18.0160	18.0212	18.0261	18.0307	18.0351	18.0393	18.0431	18.0468	18.0501	18.0533	18.0561
LB4	X	1857979.4945	1857983.0296	1857986.9256	1857990.8215	1857994.7174	1857998.6133	1858002.5092	1858006.4052	1858010.3011	1858014.1970	1858018.0929	1858021.9888	1858025.8847	1858029.7807
	Y	205179.5625	205177.5190	205175.2669	205173.0148	205170.7627	205168.5107	205166.2586	205164.0065	205161.7545	205159.5024	205157.2503	205154.9983	205152.7462	205150.4941
	Z	18.0116	18.0170	18.0226	18.0280	18.0332	18.0381	18.0427	18.0471	18.0513	18.0551	18.0588	18.0621	18.0653	18.0681
WIL	X	1857979.4945	1857983.0296	1857986.9256	1857990.8215	1857994.7174	1857998.6133	1858002.5092	1858006.4052	1858010.3011	1858014.1970	1858018.0929	1858021.9888	1858025.8847	1858029.7807
	Y	205179.5625	205177.5190	205175.2669	205173.0148	205170.7627	205168.5107	205166.2586	205164.0065	205161.7545	205159.5024	205157.2503	205154.9983	205152.7462	205150.4941
	Z	18.0116	18.0170	18.0226	18.0280	18.0332	18.0381	18.0427	18.0471	18.0513	18.0551	18.0588	18.0621	18.0653	18.0681
CL	X	1857980.1200	1857983.6552	1857987.5511	1857991.4471	1857995.3430	1857999.2389	1858003.1348	1858007.0307	1858010.9266	1858014.8226	1858018.7185	1858022.6144	1858026.5103	1858030.4062
	Y	205180.6447	205178.6012	205176.3491	205174.0970	205171.8449	205169.5929	205167.3408	205165.0887	205162.8367	205160.5846	205158.3325	205156.0805	205153.8284	205151.5763
	Z	18.0366	18.0420	18.0476	18.0530	18.0582	18.0631	18.0677	18.0721	18.0763	18.0801	18.0838	18.0871	18.0903	18.0931
WIR	X	1857980.7456	1857984.2808	1857988.1767	1857992.0726	1857995.9685	1857999.8645	1858003.7604	1858007.6563	1858011.5522	1858015.4481	1858019.3441	1858023.2400	1858027.1359	1858031.0318
	Y	205181.7269	205179.6834	205177.4313	205175.1792	205172.9271	205170.6751	205168.4230	205166.1709	205163.9189	205161.6668	205159.4147	205157.1627	205154.9106	205152.6585
	Z	18.0116	18.0170	18.0226	18.0280	18.0332	18.0381	18.0427	18.0471	18.0513	18.0551	18.0588	18.0621	18.0653	18.0681
RB4	X	1857980.7456	1857984.2808	1857988.1767	1857992.0726	1857995.9685	1857999.8645	1858003.7604	1858007.6563	1858011.5522	1858015.4481	1858019.3441	1858023.2400	1858027.1359	1858031.0318
	Y	205181.7269	205179.6834	205177.4313	205175.1792	205172.9271	205170.6751	205168.4230	205166.1709	205163.9189	205161.6668	205159.4147	205157.1627	205154.9106	205152.6585
	Z	18.0116	18.0170	18.0226	18.0280	18.0332	18.0381	18.0427	18.0471	18.0513	18.0551	18.0588	18.0621	18.0653	18.0681
RB3	X	1857981.0459	1857984.5811	1857988.4770	1857992.3729	1857996.2688	1858000.1647	1858004.0607	1858007.9566	1858011.8525	1858017.7484	1858019.6443	1858023.5403	1858027.4362	1858031.3321
	Y	205182.2464	205180.2028	205177.9507	205175.6987	205173.4466	205171.1945	205168.9425	205166.6904	205164.4383	205162.1863	205159.9342	205157.6821	205155.4300	205153.1780
	Z	17.9996	18.0050	18.0106	18.0160	18.0212	18.0261	18.0307	18.0351	18.0393	18.0431	18.0468	18.0501	18.0533	18.0561
WOR	X	1857983.2479	1857986.7831	1857990.6790	1857994.5749	1857998.4708	1858002.3668	1858006.2627	1858010.1586	1858014.0545	1858017.9504	1858021.8464	1858025.7423	1858029.6382	1858033.5341
	Y	205186.0557	205184.0122	205181.7601	205179.5080	205177.2559	205175.0039	205172.7518	205170.4997	205168.2477	205165.9956	205163.7435	205161.4915	205159.2394	205156.9873
	Z	17.9116	17.9170	17.9226	17.9280	17.9332	17.9381	17.9427	17.9471	17.9513	17.9551	17.9588	17.9621	17.9653	17.9681
RB2	X	1857985.5500	1857989.0852	1857992.9811	1857996.8770	1858000.7730	1858004.6689	1858008.5648	1858012.4607	1858016.3566	1858020.2526	1858024.1485	1858028.0444	1858031.9403	1858035.8362
	Y	205190.0382	205187.9946	205185.7426	205183.4905	205181.2384	205178.9864	205176.7343	205174.4822	205172.2302	205169.9781	205167.7260	205165.4740	205163.2219	205160.9698
	Z	17.8196	17.8250	17.8306	17.8360	17.8412	17.8461	17.8507	17.8551	17.8593	17.8631	17.8668	17.8701	17.8733	17.8761
RB1	X	1857985.8503	1857989.3855	1857993.2814	1857997.1773	1858001.0732	1858004.9692	1858008.8651	1858012.7610	1858016.6569	1858020.5528	1858024.4488	1858028.3447	1858032.2406	1858036.1365
	Y	205190.5576	205188.5141	205186.2620	205184.0100	205181.7579	205179.5058	205177.2538	205175.0017	205172.7496	205170.4975	205168.2455	205165.9934	205163.7413	205161.4893
	Z	17.8076	17.8130	17.8186	17.8240	17.8292	17.8341	17.8387	17.8431	17.8473	17.8511	17.8548	17.8581	17.8613	17.8641

		D39	D40	D41	D42	D43	D44	D45	D46	D47	D48	D49	D50	D51	D52
LB1	X	1858028.5719	1858032.4678	1858036.3637	1858040.2597	1858044.1556	1858048.0515	1858051.9474	1858055.8433	1858059.7392	1858063.6352	1858067.5311	1858071.4270	1858075.3229	1858079.2188
	Y	205139.4113	205137.1592	205134.9072	205132.6551	205130.4030	205128.1510	205125.8989	205123.6468	205121.3947	205119.1427	205116.8906	205114.6385	205112.3864	205110.1343
	Z	17.8667	17.8691	17.8712	17.8731	17.8747	17.8760	17.8771	17.8780	17.8786	17.8790	17.8794	17.8797	17.8800	17.8803
LB2	X	1858028.8722	1858032.7681	1858036.6640	1858040.5599	1858044.4558	1858048.3518	1858052.2477	1858056.1436	1858060.0395	1858063.9354	1858067.8313	1858071.7272	1858075.6231	1858079.5190
	Y	205139.9308	205137.6787	205135.4266	205133.1746	205130.9225	205128.6704	205126.4183	205124.1663	205121.9142	205119.6621	205117.4100	205115.1579	205112.9058	205110.6537
	Z	17.8787	17.8811	17.8832	17.8851	17.8867	17.8880	17.8891	17.8900	17.8906	17.8909	17.8913	17.8916	17.8919	17.8922
WOL	X	1858031.1743	1858035.0702	1858038.9661	1858042.8620	1858046.7580	1858050.6539	1858054.5498	1858058.4457	1858062.3416	1858066.2375	1858070.1334	1858074.0293	1858077.9252	1858081.8211
	Y	205143.9133	205141.6612	205139.4091	205137.1570	205134.9050	205132.6529	205130.4008	205128.1488	205125.8967	205123.6446	205121.3925	205119.1404	205116.8883	205114.6362
	Z	17.9707	17.9731	17.9752	17.9771	17.9787	17.9800	17.9811	17.9820	17.9826	17.9829	17.9832	17.9835	17.9838	17.9841
LB3	X	1858033.3763	1858037.2722	1858041.1681	1858045.0641	1858048.9600	1858052.8559	1858056.7518	1858060.6477	1858064.5437	1858068.4396	1858072.3355	1858076.2314	1858080.1273	1858084.0232
	Y	205147.7226	205145.4705	205143.2185	205140.9664	205138.7143	205136.4623	205134.2102							

GENERAL VIEW OF MAIN GIRDER (6)

		D53	D54	D55	D56	D57	D58	D59	D60	D61	D62	D63	D64	D65	D66
LB1	X	1858077.9202	1858081.8161	1858085.7120	1858089.6080	1858093.5039	1858097.3998	1858101.2957	1858105.1916	1858109.0876	1858112.9835	1858116.8794	1858120.7753	1858124.6712	1858128.5671
	Y	205110.8851	205108.6330	205106.3810	205104.1289	205101.8768	205099.6247	205097.3727	205095.1206	205092.8685	205090.6165	205088.3644	205086.1123	205083.8603	205081.6082
	Z	17.8780	17.8771	17.8760	17.8747	17.8731	17.8712	17.8698	17.8684	17.8668	17.8651	17.8633	17.8615	17.8597	17.8579
LB2	X	1858078.2205	1858082.1164	1858086.0123	1858089.9082	1858093.8042	1858097.7001	1858101.5960	1858105.4919	1858109.3878	1858113.2837	1858117.1797	1858121.0756	1858124.9715	1858128.8674
	Y	205111.4045	205109.1525	205106.9004	205104.6483	205102.3963	205100.1442	205097.8921	205095.6401	205093.3880	205091.1359	205088.8839	205086.6318	205084.3797	205082.1276
	Z	17.8900	17.8891	17.8880	17.8867	17.8851	17.8832	17.8811	17.8788	17.8761	17.8733	17.8701	17.8668	17.8631	17.8593
WOL	X	1858080.5226	1858084.4185	1858088.3144	1858092.2103	1858096.1063	1858100.0022	1858103.8981	1858107.7940	1858111.6899	1858115.5859	1858119.4818	1858123.3777	1858127.2736	1858131.1695
	Y	205115.3870	205113.1350	205110.8829	205108.6308	205106.3788	205104.1267	205101.8746	205099.6226	205097.3705	205095.1184	205092.8663	205090.6143	205088.3622	205086.1101
	Z	17.9820	17.9811	17.9800	17.9787	17.9771	17.9752	17.9731	17.9708	17.9681	17.9653	17.9621	17.9588	17.9551	17.9513
LB3	X	1858082.7246	1858086.6205	1858090.5165	1858094.4124	1858098.3083	1858102.2042	1858106.1001	1858109.9960	1858113.8920	1858117.7879	1858121.6838	1858125.5797	1858129.4756	1858133.3716
	Y	205119.1964	205116.9443	205114.6922	205112.4402	205110.1881	205107.9360	205105.6840	205103.4319	205101.1798	205098.9278	205096.6757	205094.4236	205092.1716	205089.9195
	Z	18.0700	18.0691	18.0680	18.0667	18.0651	18.0632	18.0611	18.0588	18.0561	18.0533	18.0501	18.0468	18.0431	18.0393
LB4	X	1858083.0249	1858086.9208	1858090.8167	1858094.7126	1858098.6086	1858102.5045	1858106.4004	1858110.2963	1858114.1922	1858118.0882	1858121.9841	1858125.8800	1858129.7759	1858133.6718
	Y	205119.7158	205117.4638	205115.2117	205112.9596	205110.7076	205108.4555	205106.2034	205103.9514	205101.6993	205099.4472	205097.1951	205094.9431	205092.6910	205090.4389
	Z	18.0820	18.0811	18.0800	18.0787	18.0771	18.0752	18.0731	18.0708	18.0681	18.0653	18.0621	18.0588	18.0551	18.0513
WIL	X	1858083.0249	1858086.9208	1858090.8167	1858094.7126	1858098.6086	1858102.5045	1858106.4004	1858110.2963	1858114.1922	1858118.0882	1858121.9841	1858125.8800	1858129.7759	1858133.6718
	Y	205119.7158	205117.4638	205115.2117	205112.9596	205110.7076	205108.4555	205106.2034	205103.9514	205101.6993	205099.4472	205097.1951	205094.9431	205092.6910	205090.4389
	Z	18.0820	18.0811	18.0800	18.0787	18.0771	18.0752	18.0731	18.0708	18.0681	18.0653	18.0621	18.0588	18.0551	18.0513
CL	X	1858083.6505	1858087.5464	1858091.4423	1858095.3382	1858099.2341	1858103.1301	1858107.0260	1858110.9219	1858114.8178	1858118.7137	1858122.6097	1858126.5056	1858130.4015	1858134.2974
	Y	205120.7980	205118.5460	205116.2939	205114.0418	205111.7898	205109.5377	205107.2856	205105.0336	205102.7815	205100.5294	205098.2773	205096.0253	205093.7732	205091.5211
	Z	18.1070	18.1061	18.1050	18.1037	18.1021	18.1002	18.0981	18.0958	18.0931	18.0903	18.0871	18.0838	18.0801	18.0763
WIR	X	1858084.2760	1858088.1720	1858092.0679	1858095.9638	1858099.8597	1858103.7556	1858107.6516	1858111.5475	1858115.4434	1858119.3393	1858123.2352	1858127.1311	1858131.0271	1858134.9230
	Y	205121.8802	205119.6282	205117.3761	205115.1240	205112.8720	205110.6199	205108.3678	205106.1158	205103.8637	205101.6116	205099.3595	205097.1075	205094.8554	205092.6033
	Z	18.0820	18.0811	18.0800	18.0787	18.0771	18.0752	18.0731	18.0708	18.0681	18.0653	18.0621	18.0588	18.0551	18.0513
RB4	X	1858084.2760	1858088.1720	1858092.0679	1858095.9638	1858099.8597	1858103.7556	1858107.6516	1858111.5475	1858115.4434	1858119.3393	1858123.2352	1858127.1311	1858131.0271	1858134.9230
	Y	205121.8802	205119.6282	205117.3761	205115.1240	205112.8720	205110.6199	205108.3678	205106.1158	205103.8637	205101.6116	205099.3595	205097.1075	205094.8554	205092.6033
	Z	18.0820	18.0811	18.0800	18.0787	18.0771	18.0752	18.0731	18.0708	18.0681	18.0653	18.0621	18.0588	18.0551	18.0513
RB3	X	1858084.5763	1858088.4722	1858092.3682	1858096.2641	1858100.1600	1858104.0559	1858107.9518	1858111.8477	1858115.7437	1858119.6396	1858123.5355	1858127.4314	1858131.3273	1858135.2233
	Y	205122.3997	205120.1476	205117.8956	205115.6435	205113.3914	205111.1394	205108.8873	205106.6352	205104.3831	205102.1311	205099.8790	205097.6269	205095.3749	205093.1228
	Z	18.0700	18.0691	18.0680	18.0667	18.0651	18.0632	18.0611	18.0588	18.0561	18.0533	18.0501	18.0468	18.0431	18.0393
WOR	X	1858086.7783	1858090.6743	1858094.5702	1858098.4661	1858102.3620	1858106.2579	1858110.1539	1858114.0498	1858117.9457	1858121.8416	1858125.7375	1858129.6334	1858133.5294	1858137.4253
	Y	205126.2090	205123.9570	205121.7049	205119.4528	205117.2008	205114.9487	205112.6966	205110.4446	205108.1925	205105.9404	205103.6883	205101.4363	205099.1842	205096.9321
	Z	17.9820	17.9811	17.9800	17.9787	17.9771	17.9752	17.9731	17.9708	17.9681	17.9653	17.9621	17.9588	17.9551	17.9513
RB2	X	1858089.0805	1858092.9764	1858096.8723	1858100.7682	1858104.6641	1858108.5600	1858112.4560	1858116.3519	1858120.2478	1858124.1437	1858128.0396	1858131.9356	1858135.8315	1858139.7274
	Y	205130.1915	205127.9395	205125.6874	205123.4353	205121.1833	205118.9312	205116.6791	205114.4270	205112.1750	205109.9229	205107.6708	205105.4188	205103.1667	205100.9146
	Z	17.8900	17.8891	17.8880	17.8867	17.8851	17.8832	17.8811	17.8788	17.8761	17.8733	17.8701	17.8668	17.8631	17.8593
RB1	X	1858089.3807	1858093.2767	1858097.1726	1858101.0685	1858104.9644	1858108.8603	1858112.7562	1858116.6522	1858120.5481	1858124.4440	1858128.3399	1858132.2358	1858136.1318	1858140.0277
	Y	205130.7110	205128.4589	205126.2069	205123.9548	205121.7027	205119.4506	205117.1986	205114.9465	205112.6944	205110.4424	205108.1903	205105.9382	205103.6862	205101.4341
	Z	17.8780	17.8771	17.8760	17.8747	17.8731	17.8712	17.8691	17.8668	17.8641	17.8613	17.8581	17.8548	17.8511	17.8473

		D67	D68	D69	D70	D71	D72	D73	D74	P12L	P12	P12R	D75	D76	D77
LB1	X	1858132.4631	1858136.3590	1858140.2549	1858144.1508	1858148.0467	1858151.9427	1858155.8386	1858159.7338	1858162.5482	1858163.8469	1858165.1455	1858168.3199	1858171.8551	1858175.7511
	Y	205079.3561	205077.1041	205074.8520	205072.5999	205070.3478	205068.0958	205065.8437	205063.5917	205061.3396	205061.2144	205060.4638	205058.6287	205056.5852	205054.3331
	Z	17.8431	17.8387	17.8341	17.8292	17.8241	17.8187	17.8130	17.8077	17.8027	17.7975	17.7925	17.7875	17.7825	17.7775
LB2	X	1858132.7633	1858136.6593	1858140.5552	1858144.4511	1858148.3470	1858152.2429	1858156.1389	1858159.6740	1858162.8485	1858164.1471	1858165.4458	1858168.6202	1858172.1554	1858176.0513
	Y	205079.8756	205077.6235	205075.3714	205073.1194	205070.8673	205068.6152	205066.3632	205064.1112	205062.8446	205061.7339	205060.9832	205059.1482	205057.1047	205054.8526
	Z	17.8551	17.8507	17.8461	17.8412	17.8361	17.8307	17.8250	17.8197	17.8147	17.8126	17.8105	17.8052	17.7991	17.7922
WOL	X	1858135.0655	1858138.9614	1858142.8573	1858146.7532	1858150.6491	1858154.5450	1858158.4410	1858161.9762	1858165.1506	1858166.4493	1858167.7479	1858170.9223	1858174.4575	1858178.3534
	Y	205083.8581	205081.6060	205079.3539	205077.1019	205074.8498	205072.5977	205070.3457	205068.0937	205066.8417	205065.7164	205064.9657	205063.1307	205061.0871	205058.8351
	Z	17.9471	17.9427	17.9381	17.9332	17.9281	17.9227	17.9170	17.9117	17.9067	17.9046	17.9025	17.8972	17.8911	17.8842
LB3	X	1858137.2675	1858141.1634	1858145.0593	1858148.9552	1858152.8512	1858156.7471	1858160.6430	1858164.1782	1858167.3526	1858168.6513	1858169.9499	1858173.1244	1858176.6595	1858180.5555
	Y	205087.6674	205085.4153	205083.1633	205080.9112	205078.6591	205076.4071	205074.1550							

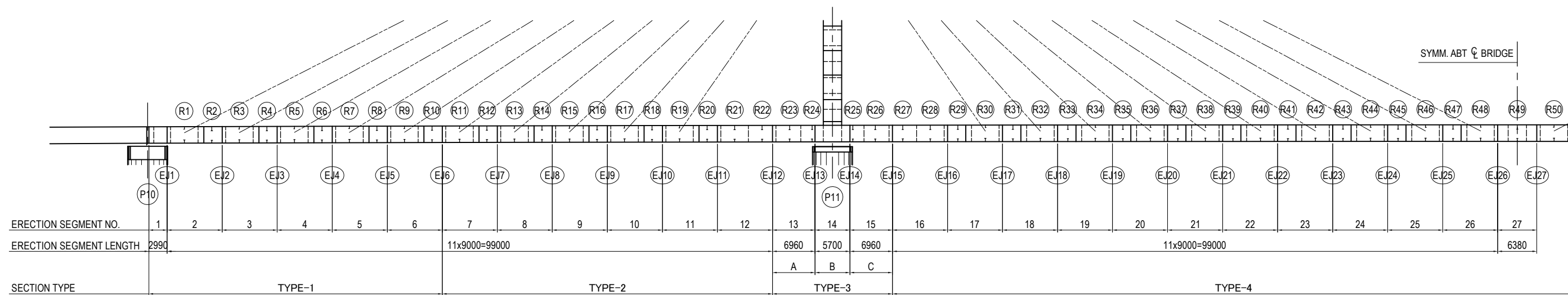
GENERAL VIEW OF MAIN GIRDER (7)

		D78	D79	D80	D81	D82	D83	D84	D85	D86	D87	D88	D89	D90	D91
LB1	X	1858179.6470	1858183.5429	1858187.4388	1858191.3347	1858195.2306	1858199.1266	1858203.0225	1858206.9184	1858210.8143	1858214.7102	1858218.6062	1858222.5021	1858226.3980	1858230.2939
	Y	205052.0811	205049.8290	205047.5769	205045.3249	205043.0728	205040.8207	205038.5686	205036.3166	205034.0645	205031.8124	205029.5604	205027.3083	205025.0562	205022.8042
	Z	17.7730	17.7655	17.7578	17.7498	17.7416	17.7332	17.7245	17.7155	17.7063	17.6968	17.6870	17.6771	17.6668	17.6563
LB2	X	1858179.9472	1858183.8432	1858187.7391	1858191.6350	1858195.5309	1858199.4268	1858203.3228	1858207.2187	1858211.1146	1858215.0105	1858218.9064	1858222.8024	1858226.6983	1858230.5942
	Y	205052.6005	205050.3484	205048.0964	205045.8443	205043.5922	205041.3402	205039.0881	205036.8360	205034.5840	205032.3319	205030.0798	205027.8278	205025.5757	205023.3236
	Z	17.7850	17.7775	17.7698	17.7618	17.7536	17.7452	17.7365	17.7275	17.7183	17.7088	17.6990	17.6891	17.6788	17.6683
WOL	X	1858182.2494	1858186.1453	1858190.0412	1858193.9371	1858197.8330	1858201.7290	1858205.6249	1858209.5208	1858213.4167	1858217.3126	1858221.2085	1858225.1045	1858229.0004	1858232.8963
	Y	205056.5830	205054.3309	205052.0789	205049.8268	205047.5747	205045.3227	205043.0706	205040.8185	205038.5665	205036.3144	205034.0623	205031.8102	205029.5582	205027.3061
	Z	17.8770	17.8695	17.8618	17.8538	17.8456	17.8372	17.8285	17.8195	17.8103	17.8008	17.7910	17.7811	17.7708	17.7603
LB3	X	1858184.4514	1858188.3473	1858192.2432	1858196.1391	1858200.0351	1858203.9310	1858207.8269	1858211.7228	1858215.6187	1858219.5147	1858223.4106	1858227.3065	1858231.2024	1858235.0983
	Y	205060.3924	205058.1403	205055.8882	205053.6361	205051.3841	205049.1320	205046.8799	205044.6279	205042.3758	205040.1237	205037.8717	205035.6196	205033.3675	205031.1155
	Z	17.9650	17.9575	17.9498	17.9418	17.9336	17.9252	17.9165	17.9075	17.8983	17.8888	17.8790	17.8691	17.8588	17.8483
LB4	X	1858184.7517	1858188.6476	1858192.5435	1858196.4394	1858200.3353	1858204.2313	1858208.1272	1858212.0231	1858215.9190	1858219.8149	1858223.7108	1858227.6068	1858231.5027	1858235.3986
	Y	205060.9118	205058.6597	205056.4077	205054.1556	205051.9035	205049.6515	205047.3994	205045.1473	205042.8953	205040.6432	205038.3911	205036.1390	205033.8870	205031.6349
	Z	17.9770	17.9695	17.9618	17.9538	17.9456	17.9372	17.9285	17.9195	17.9103	17.9008	17.8910	17.8811	17.8708	17.8603
WIL	X	1858184.7517	1858188.6476	1858192.5435	1858196.4394	1858200.3353	1858204.2313	1858208.1272	1858212.0231	1858215.9190	1858219.8149	1858223.7108	1858227.6068	1858231.5027	1858235.3986
	Y	205060.9118	205058.6597	205056.4077	205054.1556	205051.9035	205049.6515	205047.3994	205045.1473	205042.8953	205040.6432	205038.3911	205036.1390	205033.8870	205031.6349
	Z	17.9770	17.9695	17.9618	17.9538	17.9456	17.9372	17.9285	17.9195	17.9103	17.9008	17.8910	17.8811	17.8708	17.8603
CL	X	1858185.3772	1858189.2732	1858193.1691	1858197.0650	1858200.9609	1858204.8568	1858208.7527	1858212.6487	1858216.5446	1858220.4405	1858224.3364	1858228.2323	1858232.1283	1858236.0242
	Y	205061.9940	205059.7419	205057.4899	205055.2378	205052.9857	205050.7337	205048.4816	205046.2295	205043.9775	205041.7254	205039.4733	205037.2212	205034.9692	205032.7171
	Z	18.0020	17.9945	17.9868	17.9788	17.9706	17.9622	17.9535	17.9445	17.9353	17.9258	17.9160	17.9061	17.8958	17.8853
WIR	X	1858186.0028	1858189.8987	1858193.7946	1858197.6906	1858201.5865	1858205.4824	1858209.3783	1858213.2742	1858217.1702	1858221.0661	1858224.9620	1858228.8579	1858232.7538	1858236.6498
	Y	205063.0762	205060.8241	205058.5721	205056.3200	205054.0679	205051.8159	205049.5638	205047.3117	205045.0597	205042.8076	205040.5555	205038.3034	205036.0514	205033.7993
	Z	17.9770	17.9695	17.9618	17.9538	17.9456	17.9372	17.9285	17.9195	17.9103	17.9008	17.8910	17.8811	17.8708	17.8603
RB4	X	1858186.0028	1858189.8987	1858193.7946	1858197.6906	1858201.5865	1858205.4824	1858209.3783	1858213.2742	1858217.1702	1858221.0661	1858224.9620	1858228.8579	1858232.7538	1858236.6498
	Y	205063.0762	205060.8241	205058.5721	205056.3200	205054.0679	205051.8159	205049.5638	205047.3117	205045.0597	205042.8076	205040.5555	205038.3034	205036.0514	205033.7993
	Z	17.9770	17.9695	17.9618	17.9538	17.9456	17.9372	17.9285	17.9195	17.9103	17.9008	17.8910	17.8811	17.8708	17.8603
RB3	X	1858186.3031	1858190.1990	1858194.0949	1858197.9908	1858201.8868	1858205.7827	1858209.6786	1858213.5745	1858217.4704	1858221.3664	1858225.2623	1858229.1582	1858233.0541	1858236.9500
	Y	205063.5957	205061.3436	205059.0915	205056.8395	205054.5874	205052.3353	205050.0832	205047.8312	205045.5791	205043.3270	205041.0750	205038.8229	205036.5708	205034.3188
	Z	17.9650	17.9575	17.9498	17.9418	17.9336	17.9252	17.9165	17.9075	17.8983	17.8888	17.8790	17.8691	17.8588	17.8483
WOR	X	1858188.5051	1858192.4010	1858196.2969	1858200.1929	1858204.0888	1858207.9847	1858211.8806	1858215.7765	1858219.6725	1858223.5684	1858227.4643	1858231.3602	1858235.2561	1858239.1521
	Y	205067.4050	205065.1529	205062.9009	205060.6488	205058.3967	205056.1447	205053.8926	205051.6405	205049.3885	205047.1364	205044.8843	205042.6322	205040.3802	205038.1281
	Z	17.8770	17.8695	17.8618	17.8538	17.8456	17.8372	17.8285	17.8195	17.8103	17.8008	17.7910	17.7811	17.7708	17.7603
RB2	X	1858190.8072	1858194.7031	1858198.5991	1858202.4950	1858206.3909	1858209.2868	1858214.1827	1858218.0787	1858221.9746	1858225.8705	1858229.7664	1858233.6623	1858237.5583	1858241.4542
	Y	205071.3875	205069.1354	205066.8834	205064.6313	205062.3792	205060.1272	205057.8751	205055.6230	205053.3709	205051.1189	205048.8668	205046.6147	205044.3627	205042.1106
	Z	17.7850	17.7775	17.7698	17.7618	17.7536	17.7452	17.7365	17.7275	17.7183	17.7088	17.6990	17.6891	17.6788	17.6683
RB1	X	1858191.1075	1858195.0034	1858198.8993	1858202.7953	1858206.6912	1858210.5871	1858214.4830	1858218.3789	1858222.2749	1858226.1708	1858230.0667	1858233.9626	1858237.8585	1858241.7544
	Y	205071.9070	205069.6549	205067.4028	205065.1507	205062.8987	205060.6466	205058.3945	205056.1425	205053.8904	205051.6383	205049.3863	205047.1342	205044.8821	205042.6301
	Z	17.7730	17.7655	17.7578	17.7498	17.7416	17.7332	17.7245	17.7155	17.7063	17.6968	17.6870	17.6771	17.6668	17.6563

		D92	D93	D94	D95	D96	D97	D98	S2	GE2	P13
LB1	X	1858234.1898	1858238.0858	1858241.9817	1858245.8776	1858249.7735	1858253.6694	1858257.5653	1858259.9462	1858260.6388	1858260.8120
	Y	205020.5521	205018.3000	205016.0479	205013.7959	205011.5438	205009.2917	205007.0397	205005.6634	205005.2630	205005.1629
	Z	17.6456	17.6346	17.6233	17.6118	17.6001	17.5881	17.5758	17.5682	17.5600	17.5554
LB2	X	1858234.4901	1858238.3860	1858242.2819	1858246.1779	1858250.0738	1858253.9697	1858257.8656	1858260.2465	1858260.9391	1858261.1122
	Y	205021.0715	205018.8195	205016.5674	205014.3153	205012.0633	205009.8112	205007.5591	205006.1829	205005.7825	205005.6824
	Z	17.6576	17.6466	17.6353	17.6238	17.6121	17.6001	17.5878	17.5802	17.5720	17.5774
WOL	X	1858236.7922	1858240.6881	1858244.5841	1858248.4800	1858252.3759	1858256.2718	1858260.1677	1858262.5486	1858263.2412	1858263.4143
	Y	205025.0540	205022.8020	205020.5499	205018.2978	205016.0458	205013.7937	205011.5416	205010.1654	205009.7650	205009.6649
	Z	17.7496	17.7386	17.7273	17.7158	17.7041	17.6921	17.6798	17.6722	17.6700	17.6694
LB3	X	1858238.9942	1858242.8902	1858246.7861	1858250.6820	1858254.5779	1858258.4738	1858262.3698	1858264.7506	1858265.4432	1858265.6164
	Y	205028.8634	205026.6113	205024.3592	205022.1072	205019.8551	205017.6030	205015.3510	205013.9747	205013.5743	205013.4742
	Z	17.8376	17.8266	17.8153	17.8038	17.7921	17.7801	17.7678	17.7602	17.7580	17.7574
LB4	X	1858239.2945	1858243.1904	1858247.0864	1858250.9823	1858254.8782	1858258.7741	1858262.6700	1858265.0509	1858265.7435	1858265.9166
	Y	205029.3828	205027.1308	205024.8787	205022.6266	205020.3746	205018.1225	205015.8704	205014.4942	205014.0938	205013.9937
	Z	17.8496	17.8386	17.8273	17.8158	17.8041	17.7921	17.7798			

GENERAL VIEW OF MAIN GIRDER (8)

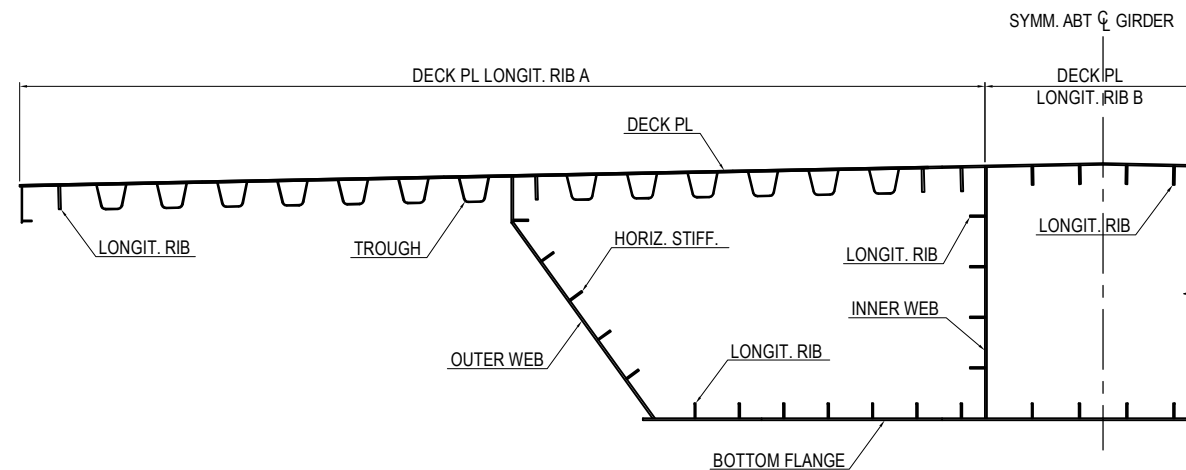
ELEVATION N.T.S.



UNIT:mm

Component	THK	STEEL GRADE	LONGIT. RIB	TROUGH	HORIZ. STIFF.
DECK PL	16	SM400	320 x 240 x 8	320 x 240 x 8	250 x 24
	16	SM400	250 x 24	250 x 24	200 x 20
	16	SM400	200 x 20	200x20	200 x 20
	16	SM400	320 x 240 x 8	320 x 240 x 8	250 x 24
OUTER WEB	14	SM490Y	160 x 16	160 x 16	200 x 20
	14	SM490Y	160 x 16	160 x 16	160 x 16
	17	SM490Y	200 x 20	200 x 20	160 x 16
INNER WEB	14	SM490Y	160 x 16	160 x 16	160 x 16
	14	SM490Y	160 x 16	160 x 16	160 x 16
	18	SM490Y	200 x 20	200 x 20	160 x 16
BOTTOM FLANGE	14	SM490Y	160 x 16	160 x 16	160 x 16
	11	SM490Y	160 x 16	160 x 16	160 x 16
	15	SM490Y	200 x 20	200 x 20	160 x 16

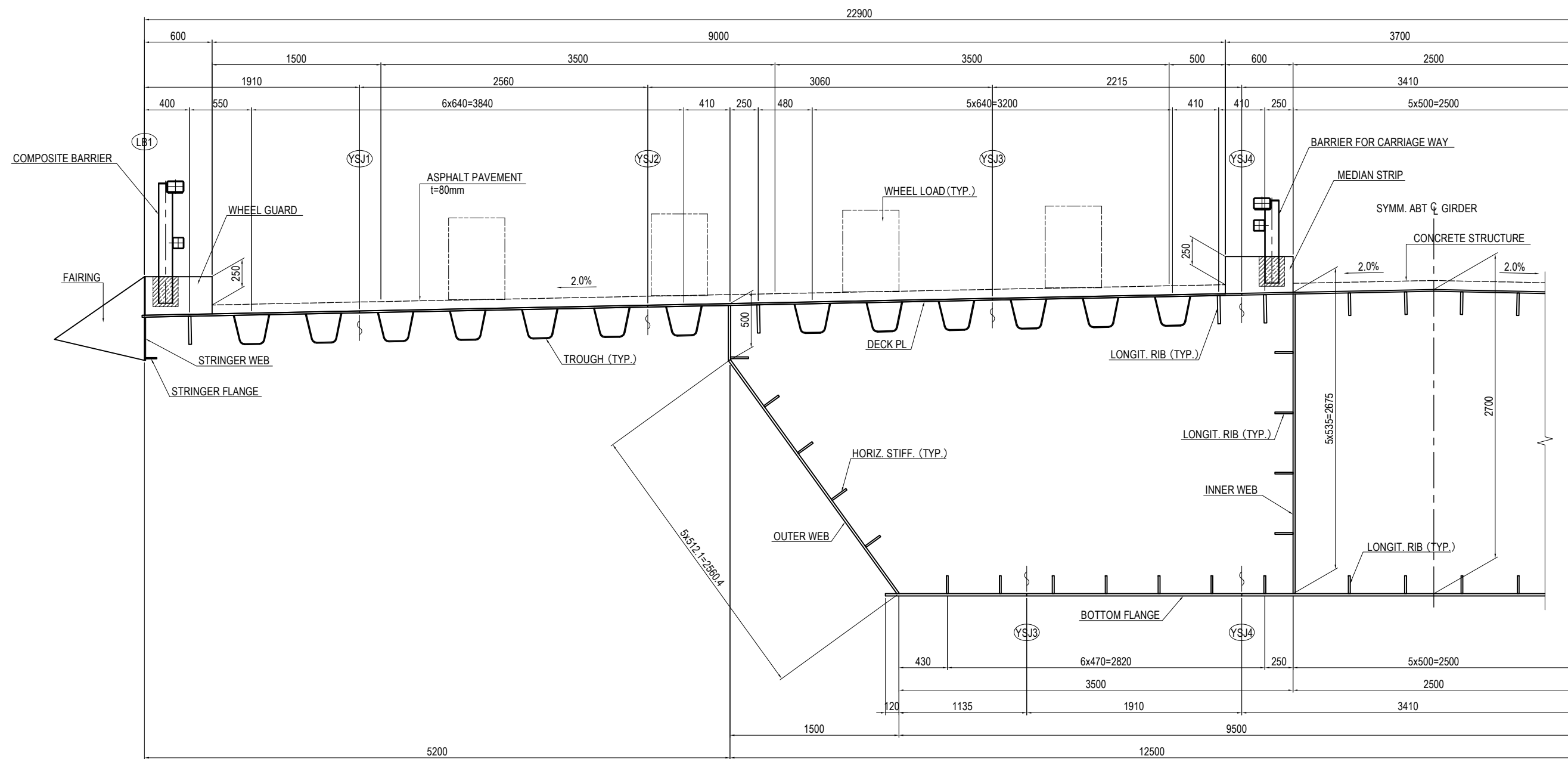
TYPICAL SECTION N.T.S.



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE GENERAL VIEW OF MAIN GIRDER (8)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1008

GENERAL VIEW OF MAIN GIRDER (9) S=1:40

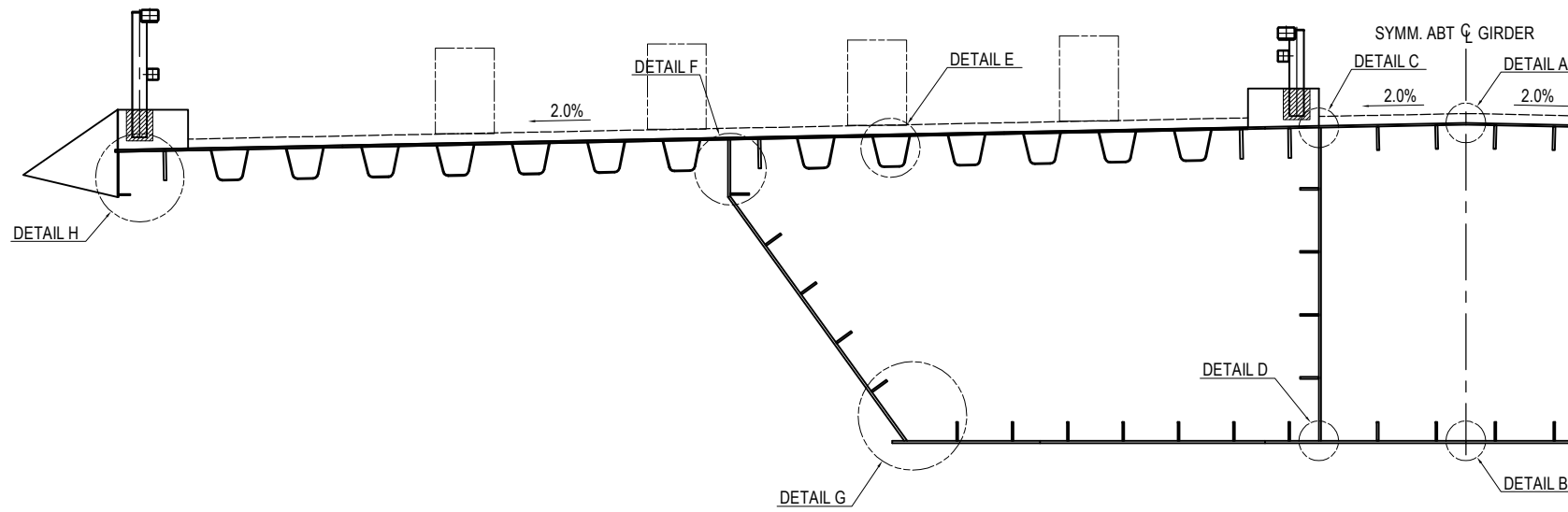
SECTION OUTLINES TYPICAL SECTION



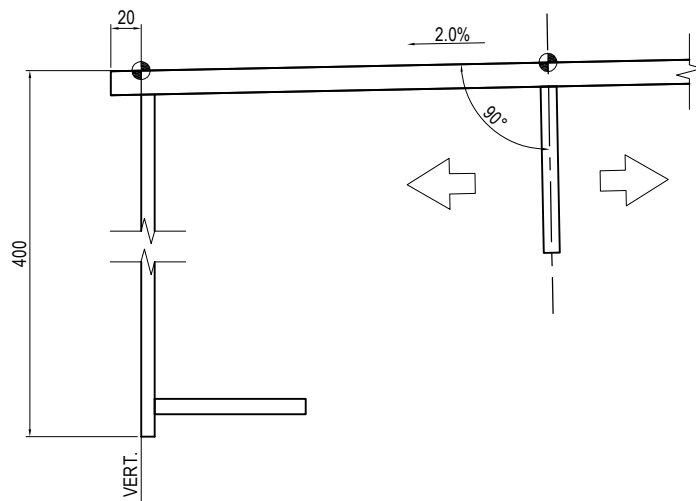
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<small>DRAWING TITLE</small> <h3 style="text-align: center;">GENERAL VIEW OF MAIN GIRDER (9)</h3>	<small>PACKAGE</small> 1 DWG No. P1-CS-1009
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

GENERAL VIEW OF MAIN GIRDER (10) S=1:60

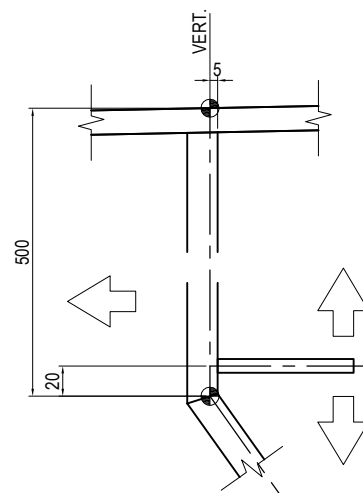
SECTION OUTLINES



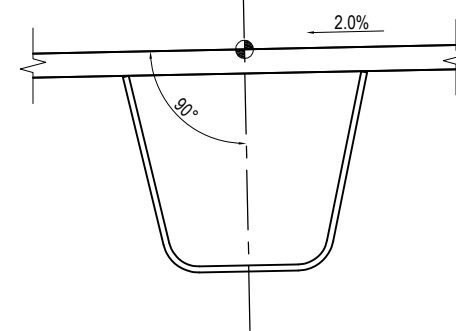
DETAIL H N.T.S.



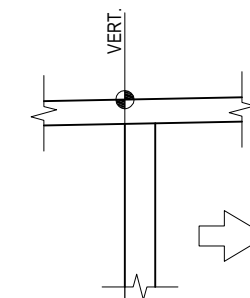
DETAIL F N.T.S.



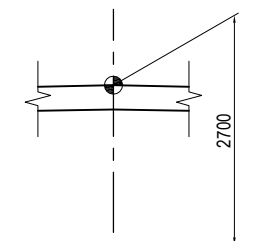
DETAIL E N.T.S.



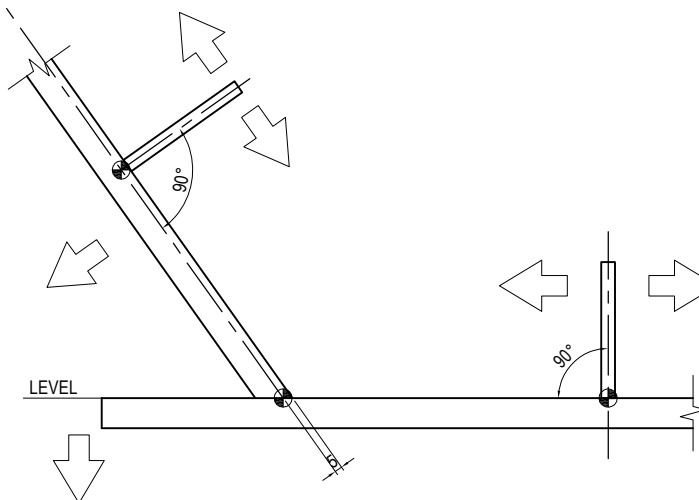
DETAIL C S=1:5



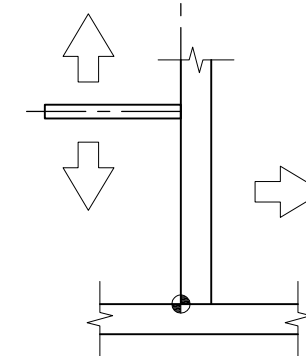
DETAIL A S=1:5



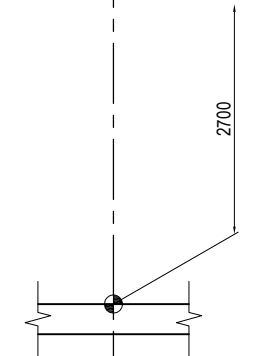
DETAIL G N.T.S.



DETAIL D N.T.S.



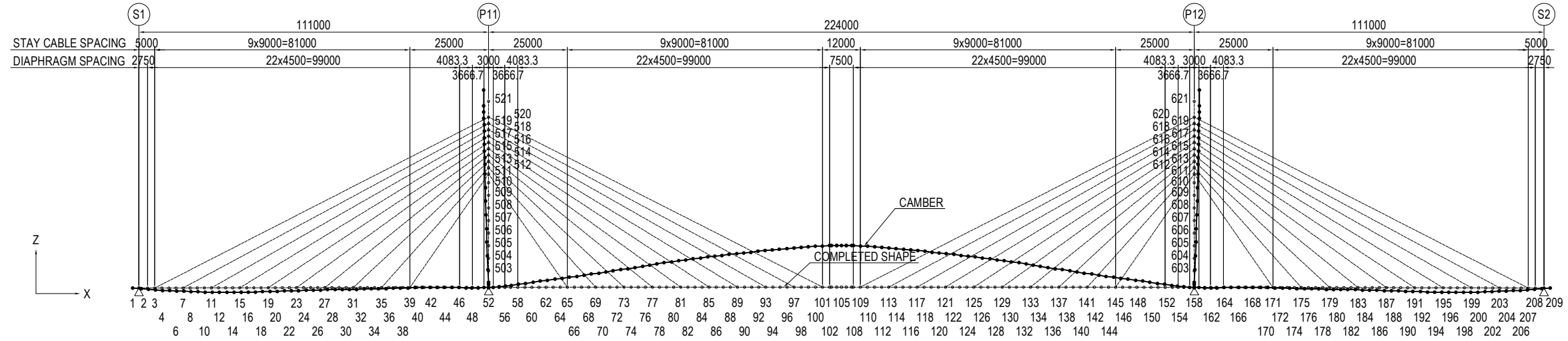
DETAIL B S=1:5



NOTES:
1 - ⇄ DIRECTION

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center; font-weight: bold;">GENERAL VIEW OF MAIN GIRDER (10)</p>	<p style="text-align: center;">PACKAGE</p> <p style="text-align: center;">1</p> <p style="text-align: center;">DWG No.</p> <p style="text-align: center;">P1-CS-1010</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

CAMBER SIDE VIEW



GIRDER

Node	1	2	3	4	6	7	8	10	11	12	14	15	16	18	19	20	22	23	24	26	27	28	30	31	32	34	35	36	38	39	40	
Cross section	S1(P10)	D1	C1	D2	D3	C2	D4	D5	C3	D6	D7	C4	D8	D9	C5	D10	D11	C6	D12	D13	C7	D14	D15	C8	D16	D17	C9	D18	D19	C10	D20	
Coordinate (m)	X	1.000	3.750	6.000	8.250	12.750	15.000	17.250	21.750	24.000	26.250	30.750	33.000	35.250	39.750	42.000	44.250	48.750	51.000	53.250	57.750	60.000	62.250	66.750	69.000	71.250	75.750	78.000	80.250	84.750	87.000	89.250
Camber (mm)	X	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-9	-8	-8	-8	-8	-8	-7	-7	-7	-6	-6	-6	-5	-5	-4	-4	-3	
	Z	0	-1	-2	-3	-4	-5	-5	-6	-7	-7	-7	-7	-7	-6	-6	-5	-5	-5	-5	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	0

GIRDER

Node	42	44	46	48	52	56	58	60	62	64	65	66	68	69	70	72	73	74	76	77	78	80	81	82	84	85	86	88	89	90	92	
Cross section	D21	D22	D23	D24	P11	D25	D26	D27	D28	D29	C11	D30	D31	C12	D32	D33	C13	D34	D35	C14	D36	D37	C15	D38	D39	C16	D40	D41	C17	D42	D43	
Coordinate (m)	X	93.750	98.250	102.750	106.833	112.000	117.167	121.250	125.750	130.250	134.750	137.000	139.250	143.750	146.000	148.250	152.750	155.000	157.250	161.750	164.000	166.250	170.750	173.000	175.250	179.750	182.000	184.250	188.750	191.000	193.250	197.750
Camber (mm)	X	-2	-2	-1	-1	0	1	1	2	2	3	3	4	4	5	5	6	6	6	7	7	7	8	8	8	9	9	9	10	10	10	
	Z	0	0	0	-1	0	2	5	8	11	14	16	17	21	22	24	28	29	31	35	37	39	42	43	45	48	49	50	53	54	55	58

GIRDER

Node	93	94	96	97	98	100	101	102	105	108	109	110	112	113	114	116	117	118	120	121	122	124	125	126	128	129	130	132	133	134	136	
Cross section	C18	D44	D45	C19	D46	D47	C20	D48	D49	D50	C20	D51	D52	C19	D53	D54	C18	D55	D56	C17	D57	D58	C16	D59	D60	C15	D61	D62	C14	D63	D64	
Coordinate (m)	X	200.000	202.250	206.750	209.000	211.250	215.750	218.000	220.250	224.000	227.750	230.000	232.250	236.750	239.000	241.250	245.750	248.000	250.250	254.750	257.000	259.250	263.750	266.000	268.250	272.750	275.000	277.250	281.750	284.000	286.250	290.750
Camber (mm)	X	10	10	11	11	11	11	11	11	0	-11	-11	-11	-11	-11	-10	-10	-10	-10	-10	-10	-9	-9	-9	-8	-8	-8	-7	-7	-7	-6	
	Z	59	60	62	63	64	65	66	66	66	66	66	65	64	63	62	60	59	58	55	54	53	50	49	48	45	43	42	39	37	35	31

GIRDER

Node	137	138	140	141	142	144	145	146	148	150	152	154	158	162	164	166	168	170	171	172	174	175	176	178	179	180	182	183	184	186	187	
Cross section	C13	D65	D66	C12	D67	D68	C11	D69	D70	D71	D72	D73	P12	D74	D75	D76	D77	D78	C10	D79	D80	C9	D81	D82	C8	D83	D84	C7	D85	D86	C6	
Coordinate (m)	X	293.000	295.250	299.750	302.000	304.250	308.750	311.000	313.250	317.750	322.250	326.750	330.833	336.000	341.167	345.250	349.750	354.250	358.750	361.000	363.250	367.750	370.000	372.250	376.750	379.000	381.250	385.750	388.000	390.250	394.750	397.000
Camber (mm)	X	-6	-6	-5	-5	-4	-4	-3	-3	-2	-2	-1	-1	0	1	2	2	3	3	4	4	5	5	6	6	6	7	7	8	8		
	Z	29	28	24	22	21	17	16	14	11	8	5	2	0	-1	0	0	0	-1	-1	-2	-2	-2	-3	-3	-3	-3	-4	-4	-5	-5	

GIRDER

Node	188	190	191	192	194	195	196	198	199	200	202	203	204	206	207	208	209	
Cross section	D87	D88	C5	D89	D90	C4	D91	D92	C3	D93	D94	C2	D95	D96	C1	D97	S2(P13)	
Coordinate (m)	X	399.250	403.750	406.000	408.250	412.750	415.000	417.250	421.750	424.000	426.250	430.750	433.000	435.250	439.750	442.000	444.250	447.000
Camber (mm)	X	8	8	9	9	9	9	9	10	10	10	10	10	10	10	10	10	
	Z	-5	-6	-6	-7	-7	-7	-7	-7	-7	-6	-5	-5	-4	-3	-2	-1	0

P11 TOWER

Node	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521
Coordinate (m)	X	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000	112.000
Camber (mm)	X	-1	-2	-3	-3	-4	-5	-5	-6	-6	-6	-7	-7	-7	-7	-8	-8	-8	-8
	Z	2	4	6	7	9	11	12	14	15	16	16	17	17	18	18	18	18	18

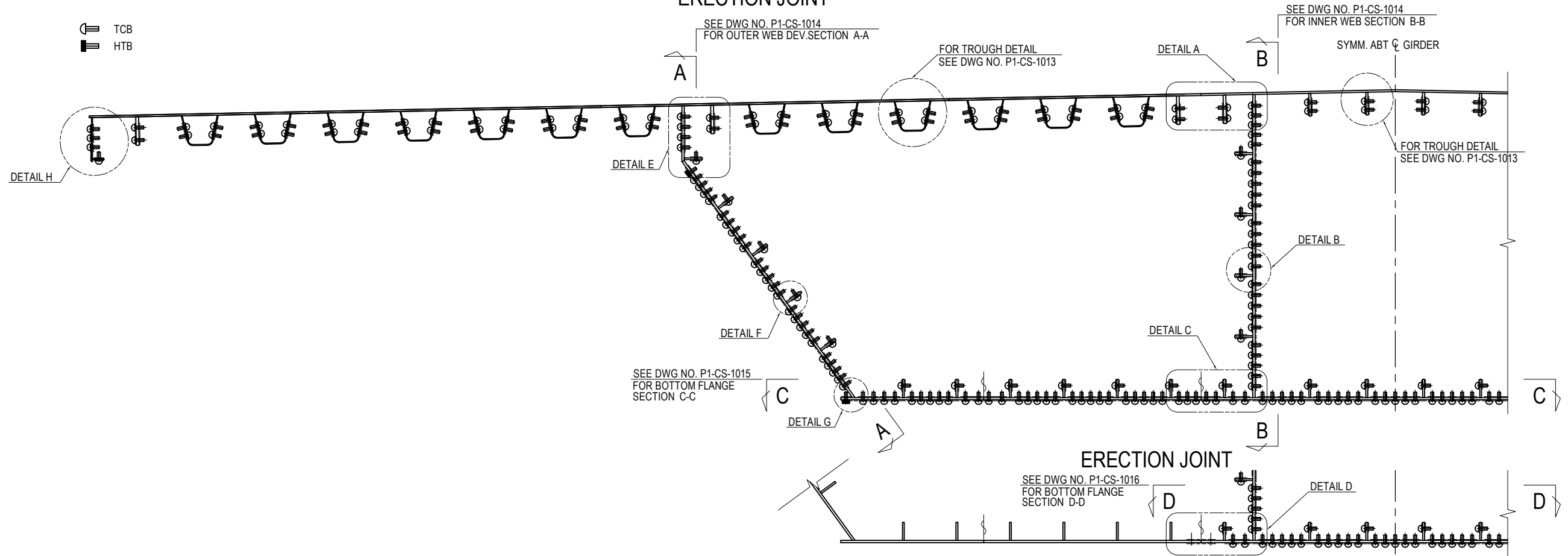
P12 TOWER

Node	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621
Coordinate (m)	X	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000	336.000
Camber (mm)	X	1	2	3	3	4	5	5	6	6	7	7	7	7	8	8	8	8	8
	Z	2	4	6	7	9	11	12	14	15	16	16	17	17	18	18	18	18	18

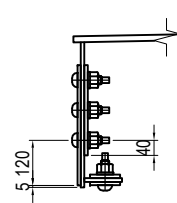
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CAMBER	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1011

DETAIL OF MAIN GIRDER STANDARD (1) S=1:40

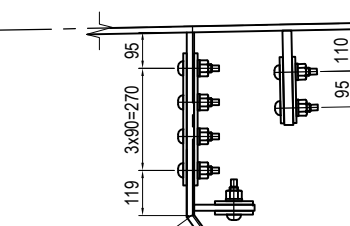
ERECTION JOINT



DETAIL H S=1:20

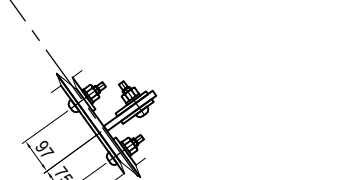


DETAIL E S=1:20

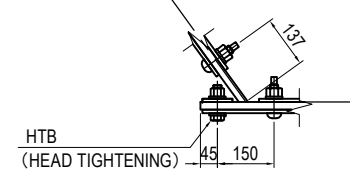


HTB
(HEAD TIGHTENING)

DETAIL F S=1:20

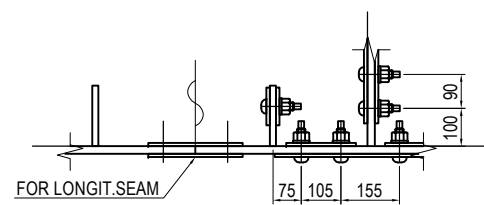


DETAIL G S=1:20

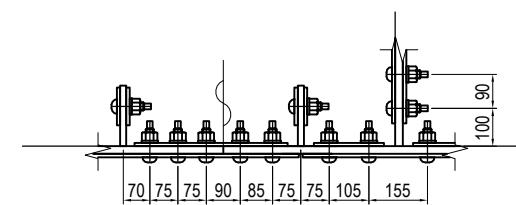


HTB
(HEAD TIGHTENING)

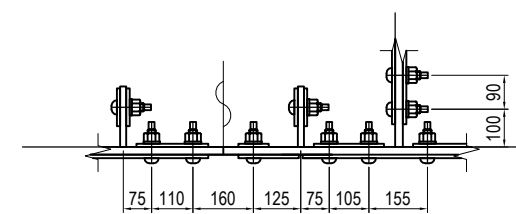
DETAIL D S=1:20
FOR BOLTED LONGIT. SEAM



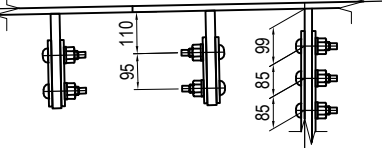
DETAIL C S=1:20
FOR BOLTED LONGIT. SEAM



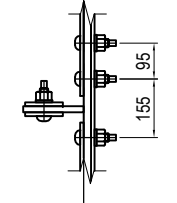
FOR WELDED LONGIT. SEAM



DETAIL A S=1:20



DETAIL B S=1:20



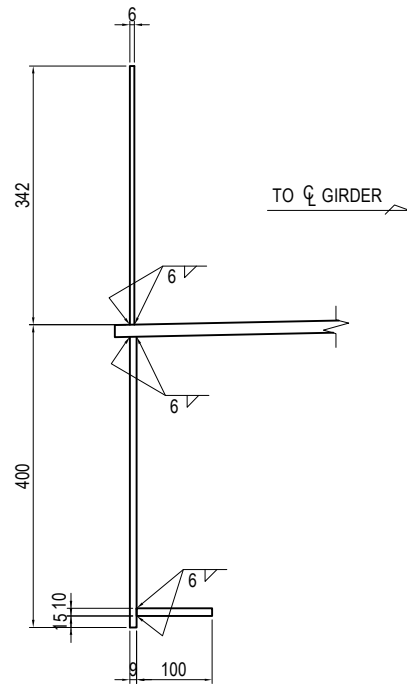
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1012

DETAIL OF MAIN GIRDER STANDARD (2) S=1:20

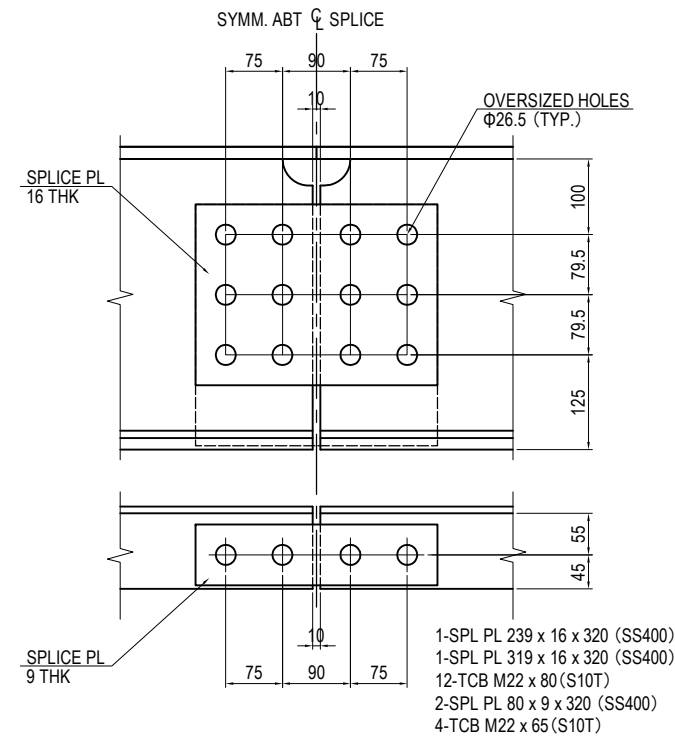
NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1012.

DECK PL

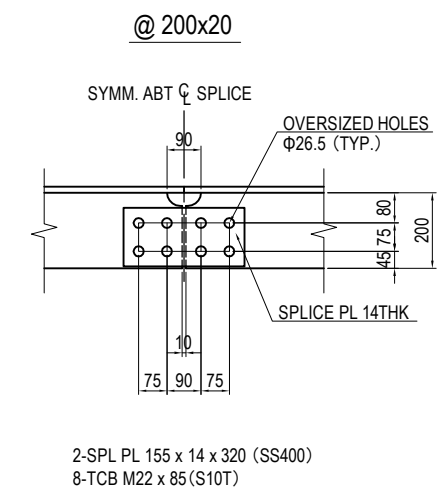
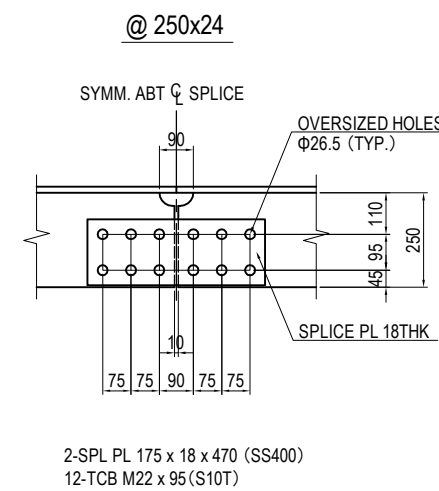
STRINGER DETAIL S=1:10



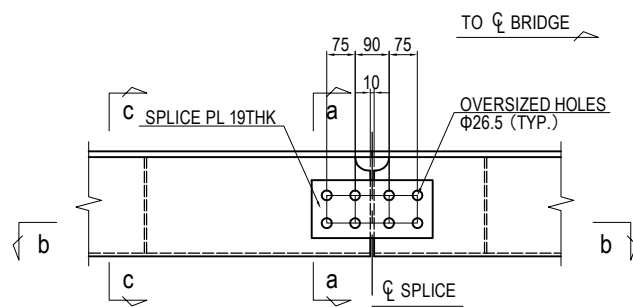
STRINGER SPLICE DETAIL S=1:10



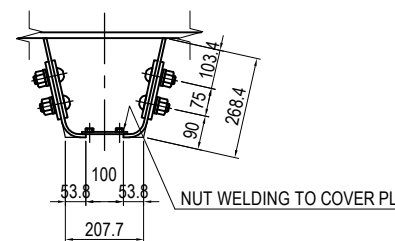
LONGIT. RIB SPLICE DETAIL



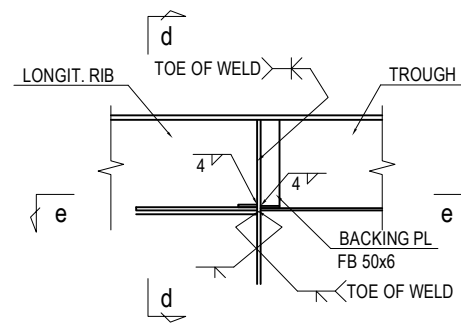
TROUGH SPLICE DETAIL



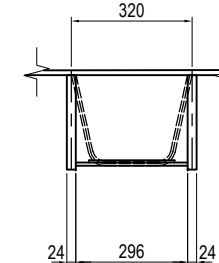
SECTION a-a



TRANSITION FROM TROUGH TO RIB PL

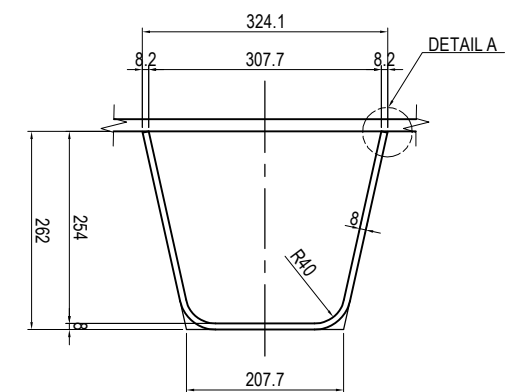


SECTION d-d

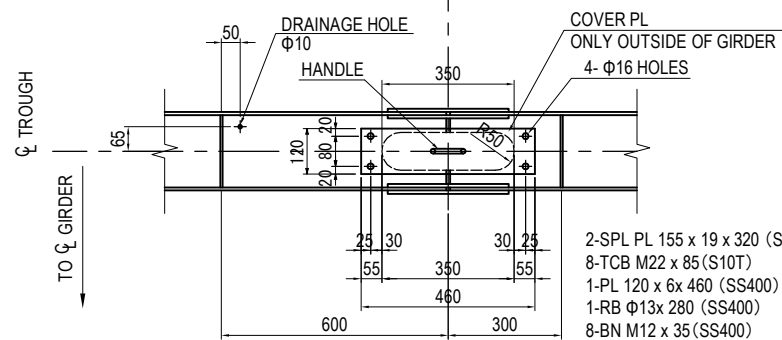


1-PL 296 x 9 x 320
1-FB 50 x 6 x 684 (SS400)
1-FB 50 x 6 x 226 (SS400)

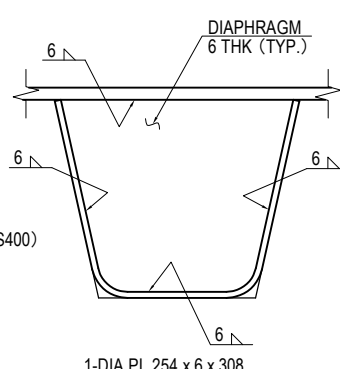
TROUGH DETAIL S=1:10



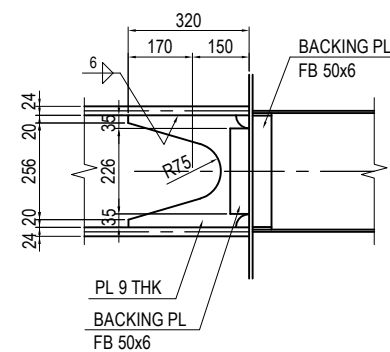
SECTION b-b



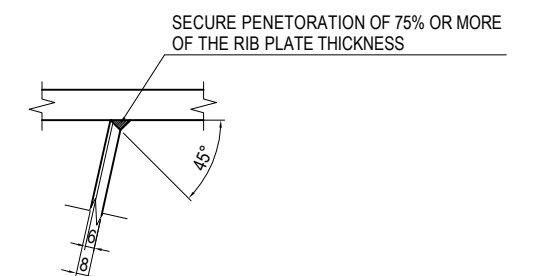
SECTION c-c S=1:10



SECTION e-e



DETAIL A S=1:5



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1013

DETAIL OF MAIN GIRDER STANDARD (3) S=1:20

OUTER WEB DEV. SECTION A-A

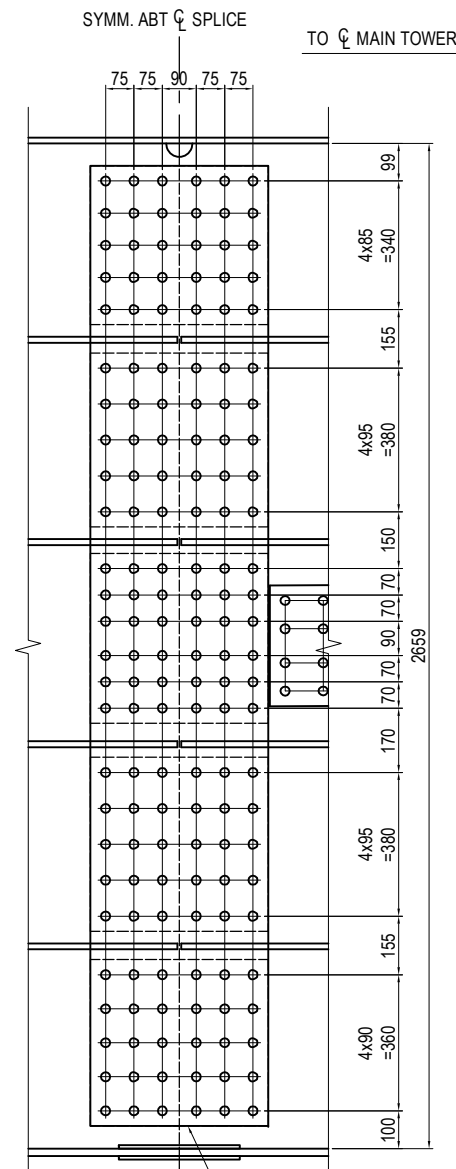
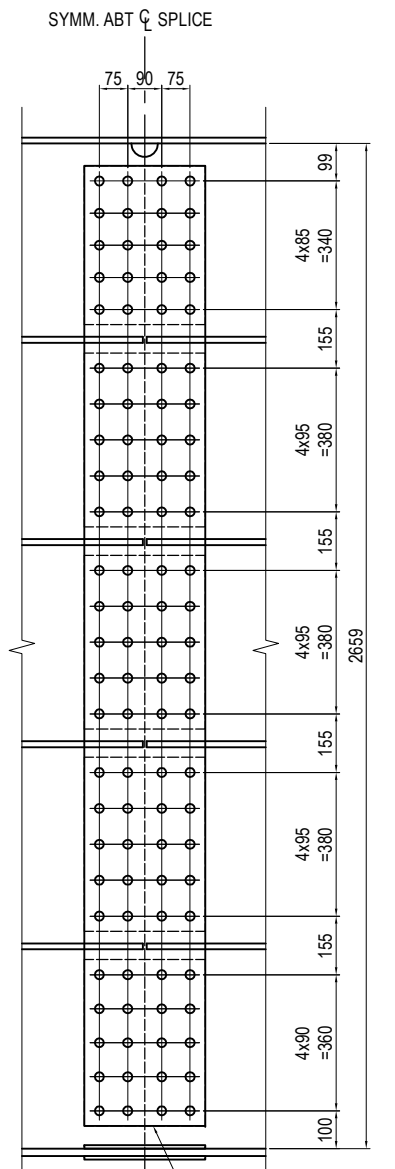
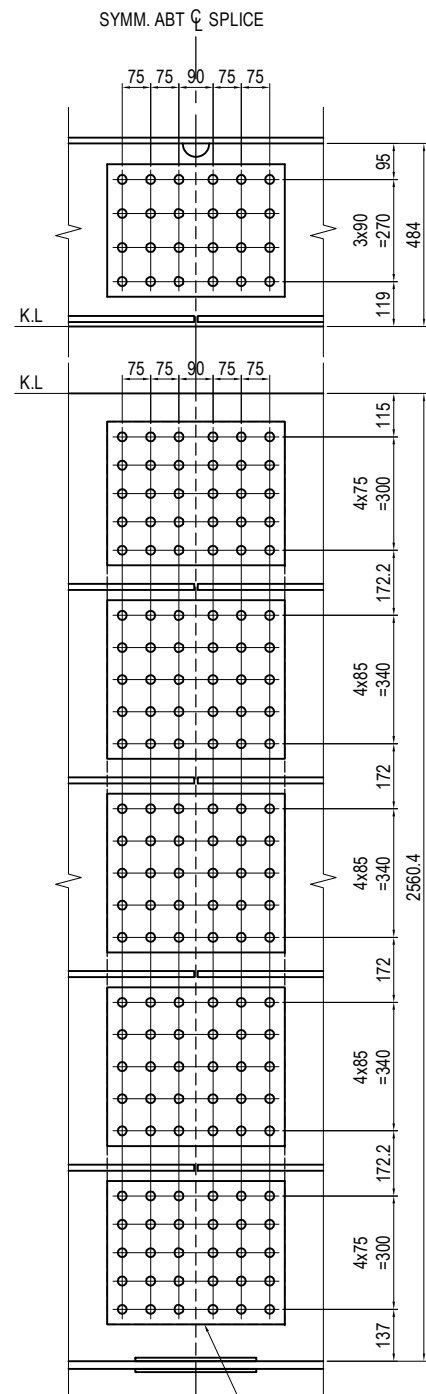
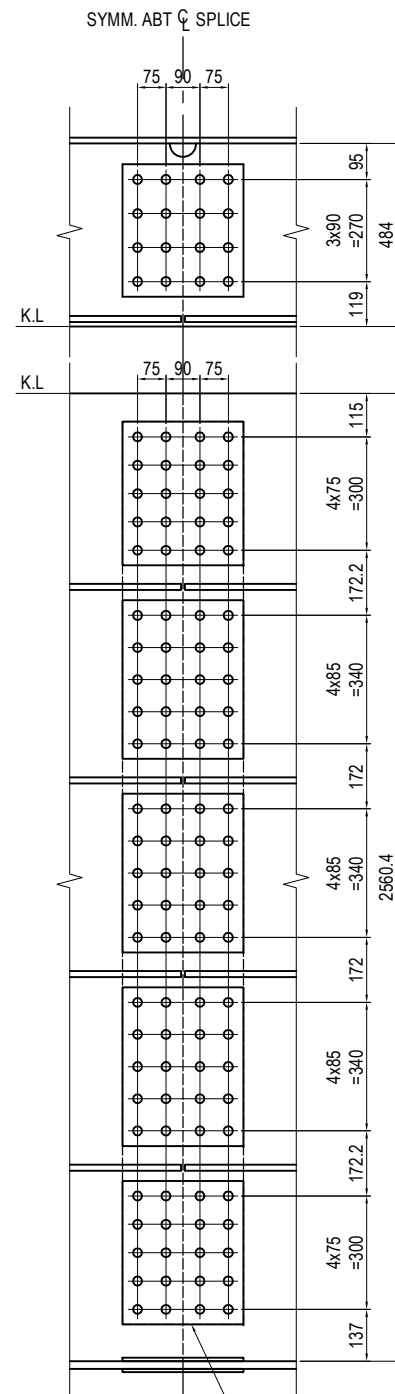
INNER WEB SECTION B-B

FOR EJ1 TO EJ12, EJ15 TO EJ38
& EJ41 TO EJ52

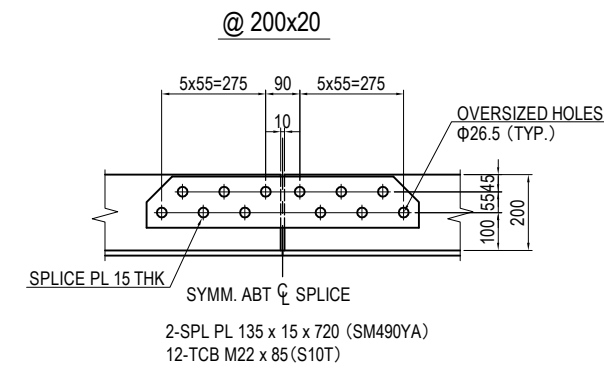
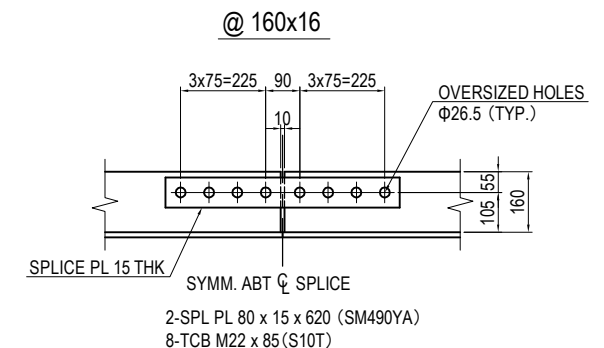
FOR EJ13, EJ14, EJ39 & EJ40

FOR EJ1 TO EJ12, EJ15 TO EJ38
& EJ41 TO EJ52

FOR EJ13, EJ14, EJ39 & EJ40



LONGIT. STIFF. (OUTER) & LONGIT. RIB. (INNER) SPLICE DETAIL



NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1012.

- 2-SPL PL 350 x 9 x 320 (SM490YA)
- 1-SPL PL 2388 x 9 x 320 (SM490YA)
- 2-SPL PL 380 x 10 x 320 (SM490YA)
- 3-SPL PL 420 x 10 x 320 (SM490YA)
- 112-TCB M22 x 70 (S10T)
- 4-HTB M22 x 75 (F10T)

- 2-SPL PL 350 x 10 x 470 (SM490YA)
- 1-SPL PL 2388 x 10 x 470 (SM490YA)
- 2-SPL PL 380 x 12 x 470 (SM490YA)
- 3-SPL PL 420 x 12 x 470 (SM490YA)
- 168-TCB M22 x 75 (S10T)
- 6-HTB M22 x 80 (F10T)

- 1-SPL PL 2540 x 9 x 320 (SM490YA)
- 1-SPL PL 420 x 9 x 320 (SM490YA)
- 3-SPL PL 460 x 9 x 320 (SM490YA)
- 1-SPL PL 440 x 9 x 32 (SM490YA)
- 100-TCB M22 x 70 (S10T)

- 1-SPL PL 2540 x 10 x 470 (SM490YA)
- 1-SPL PL 420 x 11 x 470 (SM490YA)
- 2-SPL PL 460 x 11 x 470 (SM490YA)
- 1-SPL PL 450 x 11 x 470 (SM490YA)
- 1-SPL PL 440 x 11 x 470 (SM490YA)
- 1-SPL PL 2540 x 17 x 235 (SS400)
- 312-TCB M22 x 95 (S10T)

OUTER SPLICE PL 9 THK
INNER SPLICE PL 9 THK

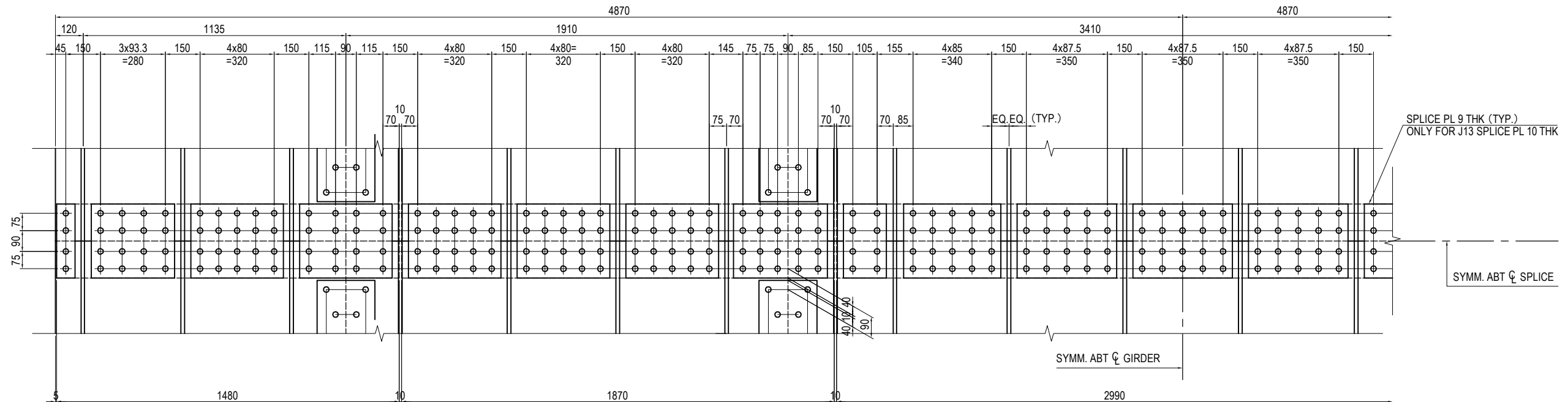
OUTER SPLICE PL 10 THK
INNER SPLICE PL 11 THK

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (3)	PACKAGE 1 DWG No. P1-CS-1014
				PREPARED BY T. TOMODA				
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

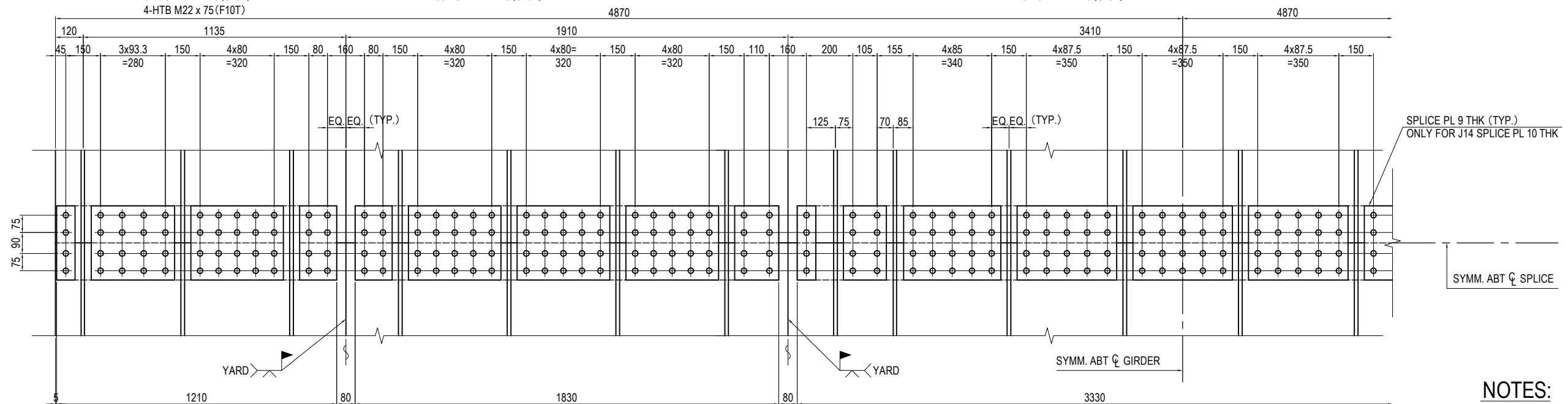
DETAIL OF MAIN GIRDER STANDARD (4)

S=1:20

BOTTOM FLANGE SECTION C-C FOR BOLTED LONGIT. SEAM (BACK SPAN GIRDER ERECTION)



FOR WELDED LONGIT. SEAM (MAIN SPAN GIRDER ERECTION)



NOTES:

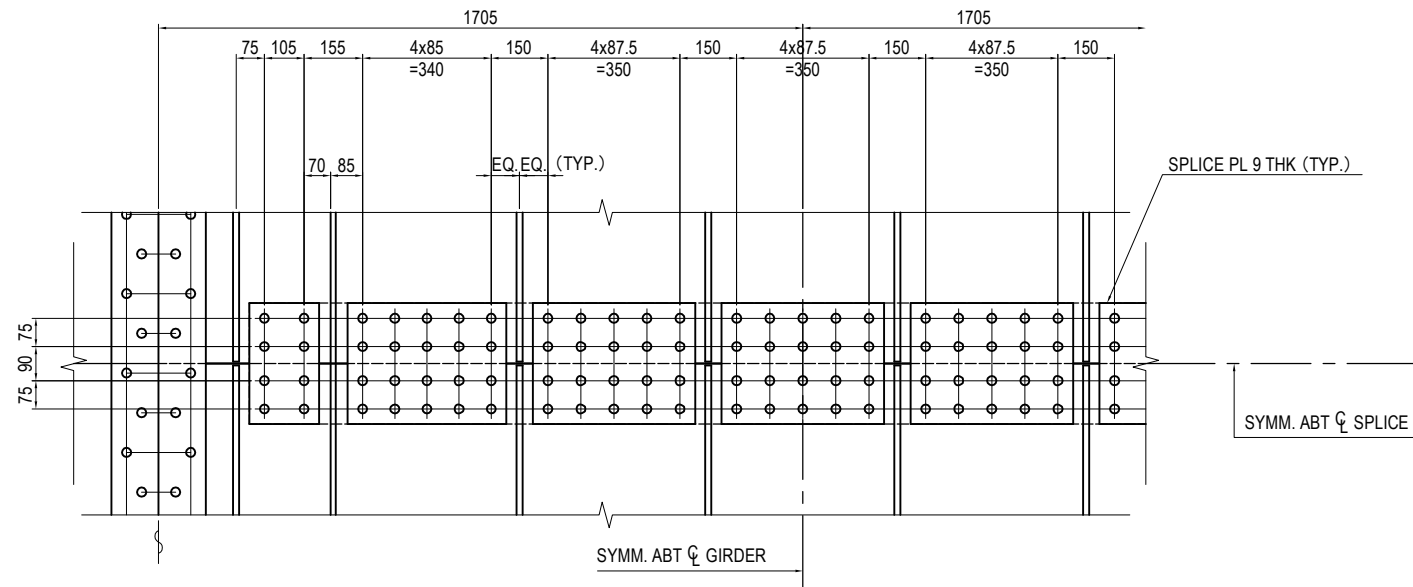
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1012.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (4)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1015

DETAIL OF MAIN GIRDER STANDARD (5) S=1:20

BOTTOM FLANGE

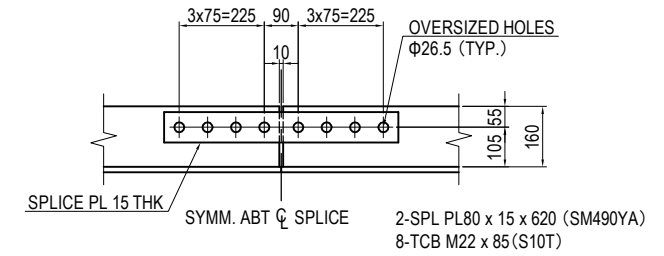
SECTION D-D FOR BOLTED LONGIT. SEAM



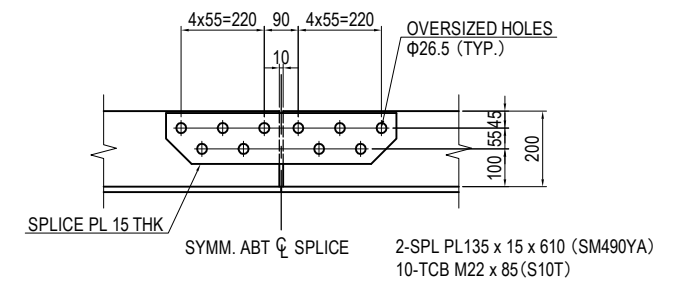
- 2-SPL PL 185 x 9 x 320 (SM490YA)
- 2-SPL PL 420 x 9 x 320 (SM490YA)
- 3-SPL PL 430 x 9 x 320 (SM490YA)
- 1-SPL PL 2930 x 9 x 320 (SM490YA)
- 116-TCB M22 x 70 (S10T)

LONGIT. RIB SPLICE DETAIL FOR BOLTED

@ 160x16

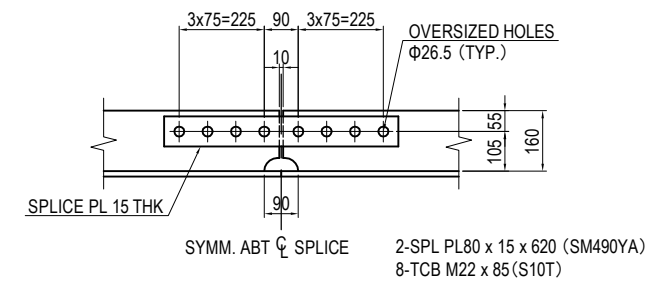


@ 200x20

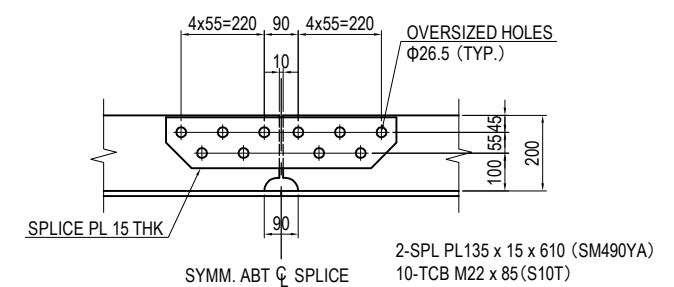


FOR WELDED

@ 160x16



@ 200x20



NOTES:

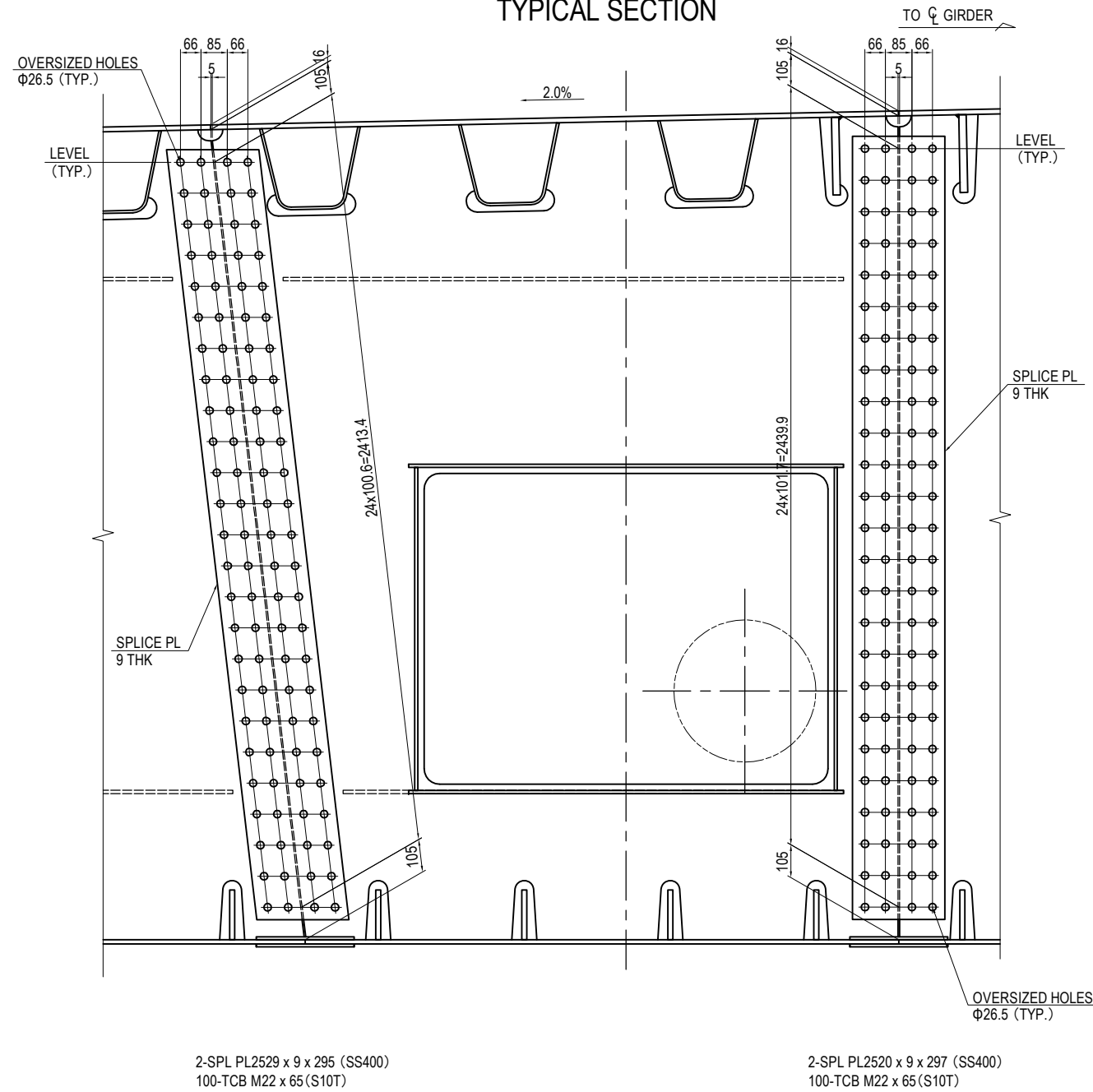
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1012.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (5)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1016

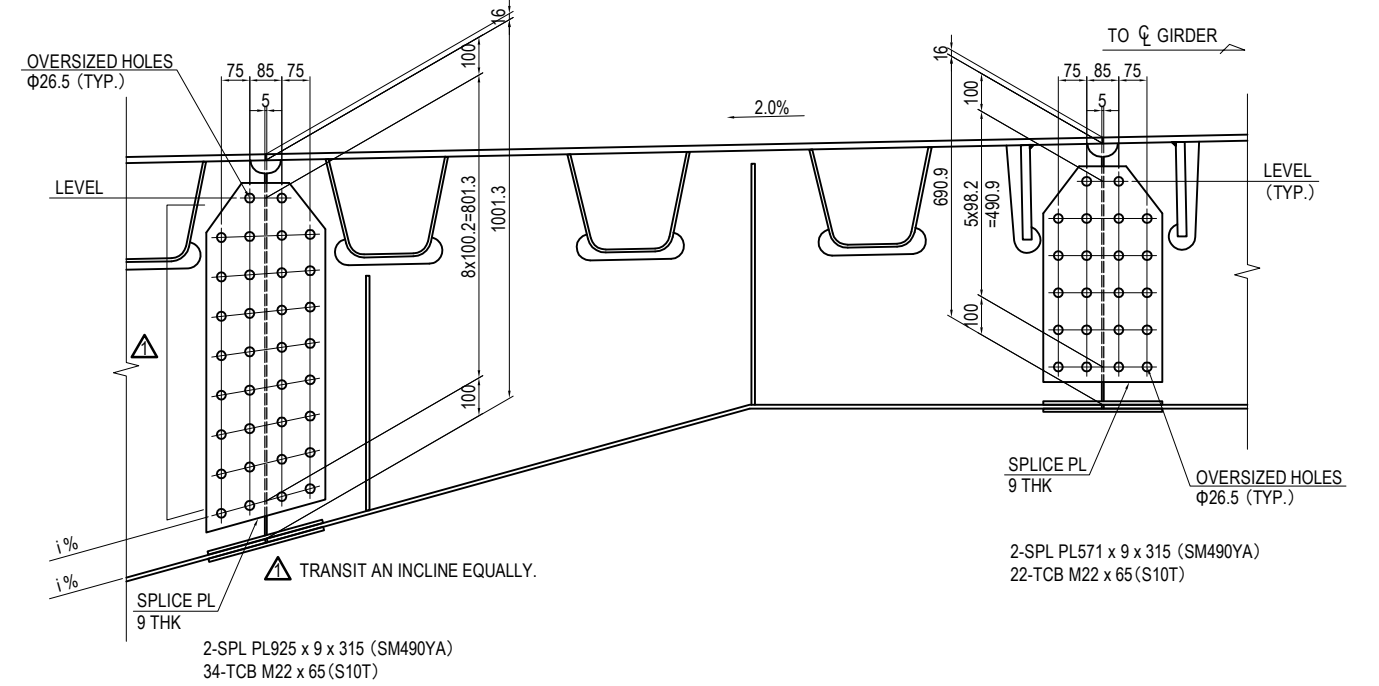
DETAIL OF MAIN GIRDER STANDARD (6) S=1:20

DIAPHRAGM, CROSSFRAME & BRACKET WEB

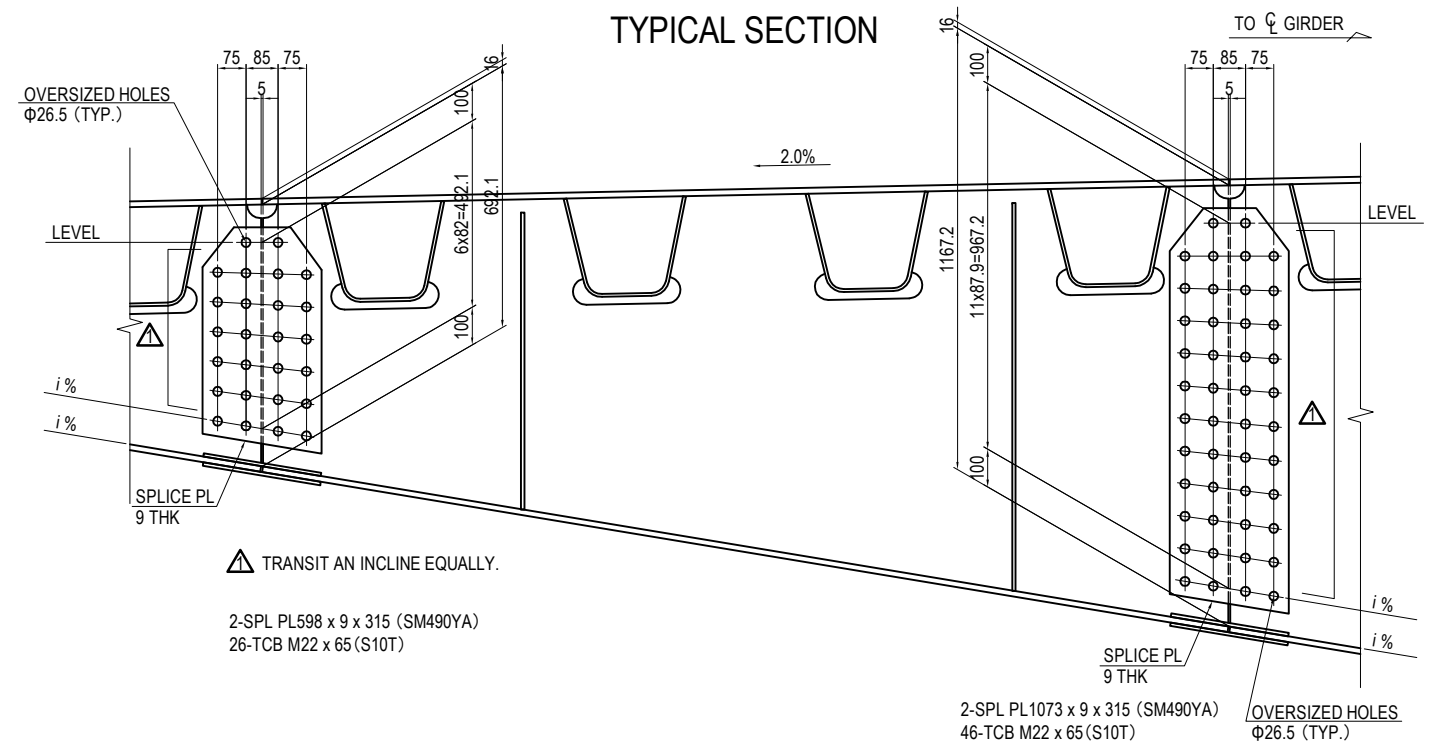
DIAPHRAGM TYPICAL SECTION



CROSSFRAME WEB TYPICAL SECTION



BRACKET WEB TYPICAL SECTION

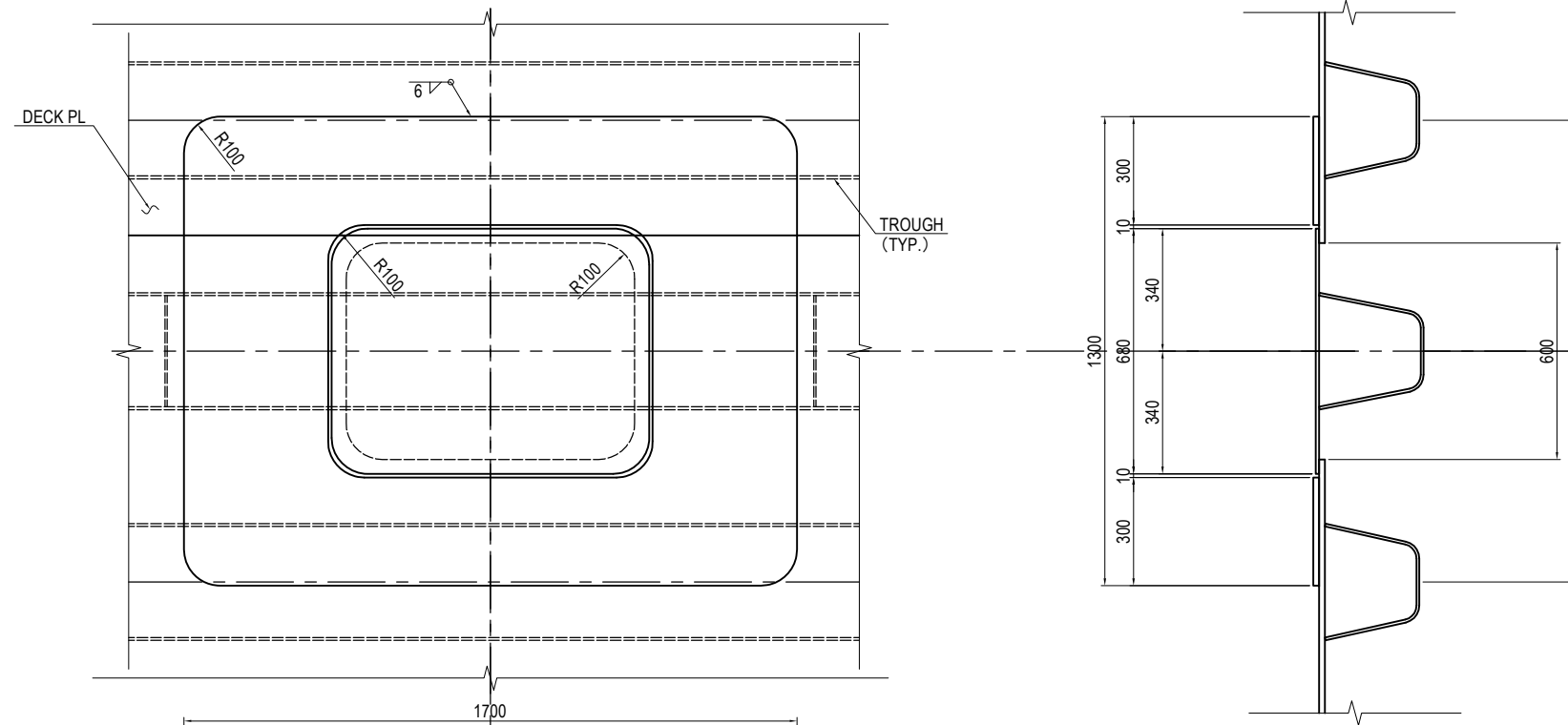


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (6)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1017

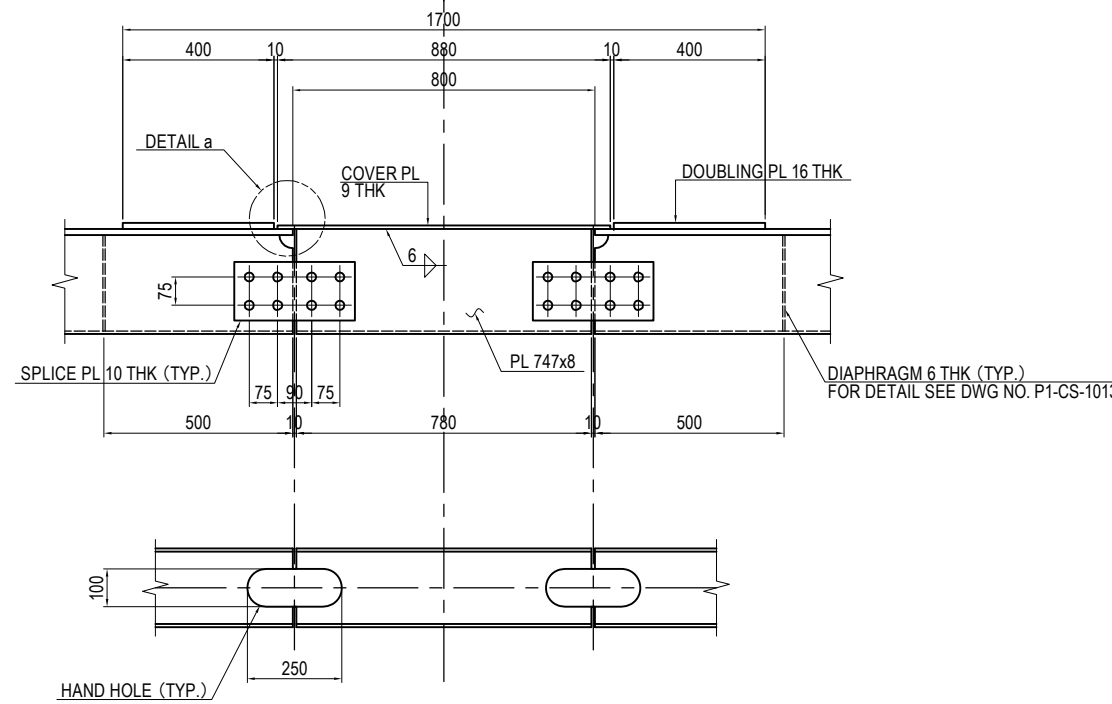
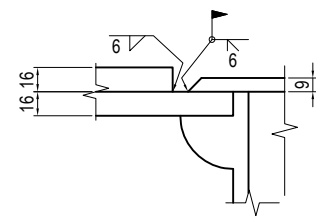
DETAIL OF MAIN GIRDER STANDARD (7) S=1:20

DECK PL MANHOLE DETAIL (FOR WORK)

MD-1
(Q'ty=36)



DETAIL a S=1:5



- 1-PL 1300 x 16 x 1700 (SM400A)
- 1-PL 680 x 9 x 880 (SM400A)
- 1-PL 747 x 8 x 780 (SM400A)
- 2-Dia PL 254 x 6 x 308 (SM400A)
- 8-SPL PL 155 x 10 x 320 (SS400)
- 32-TCB M22 x 65 (S10T)
- 2-M16 I.BOLT (JIS,B1168)
- 2-Nut M16 (SUS304)
- 2-Bolt M16 x 25 (SUS304)

DIAPHRAGM 6 THK (TYP.)
FOR DETAIL SEE DWG NO. P1-CS-1013

NOTES:

1 - FOR LOCATION SEE DWG NO. P1-CS-1025 TO 1033.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (7)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1018

DETAIL OF MAIN GIRDER STANDARD (8) S=1:20

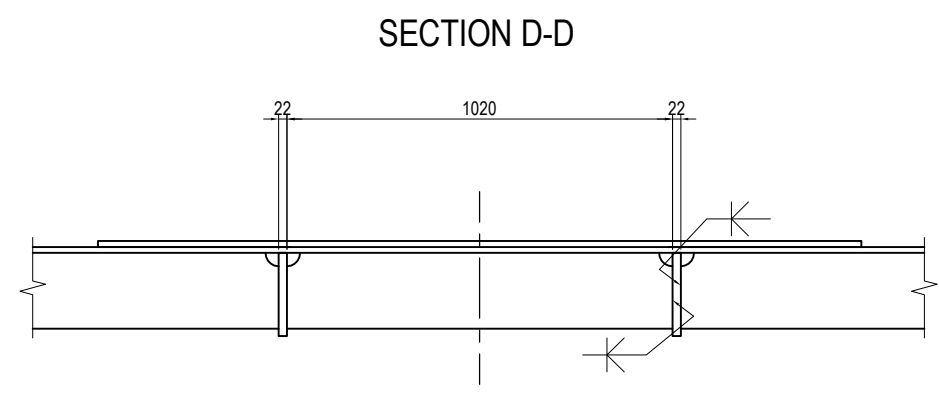
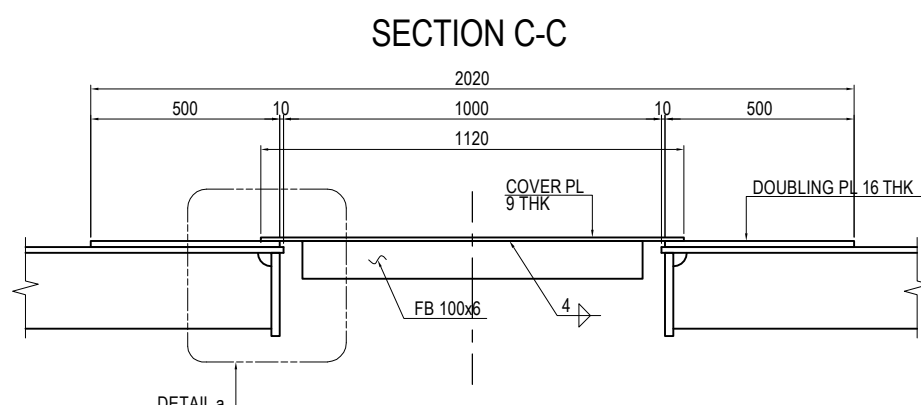
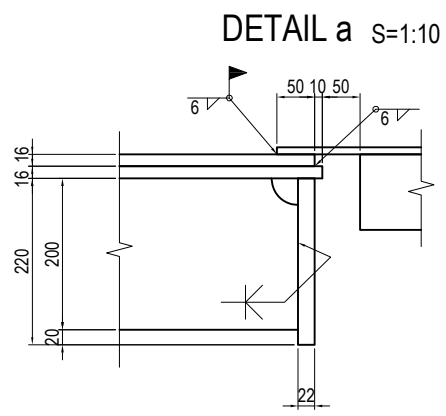
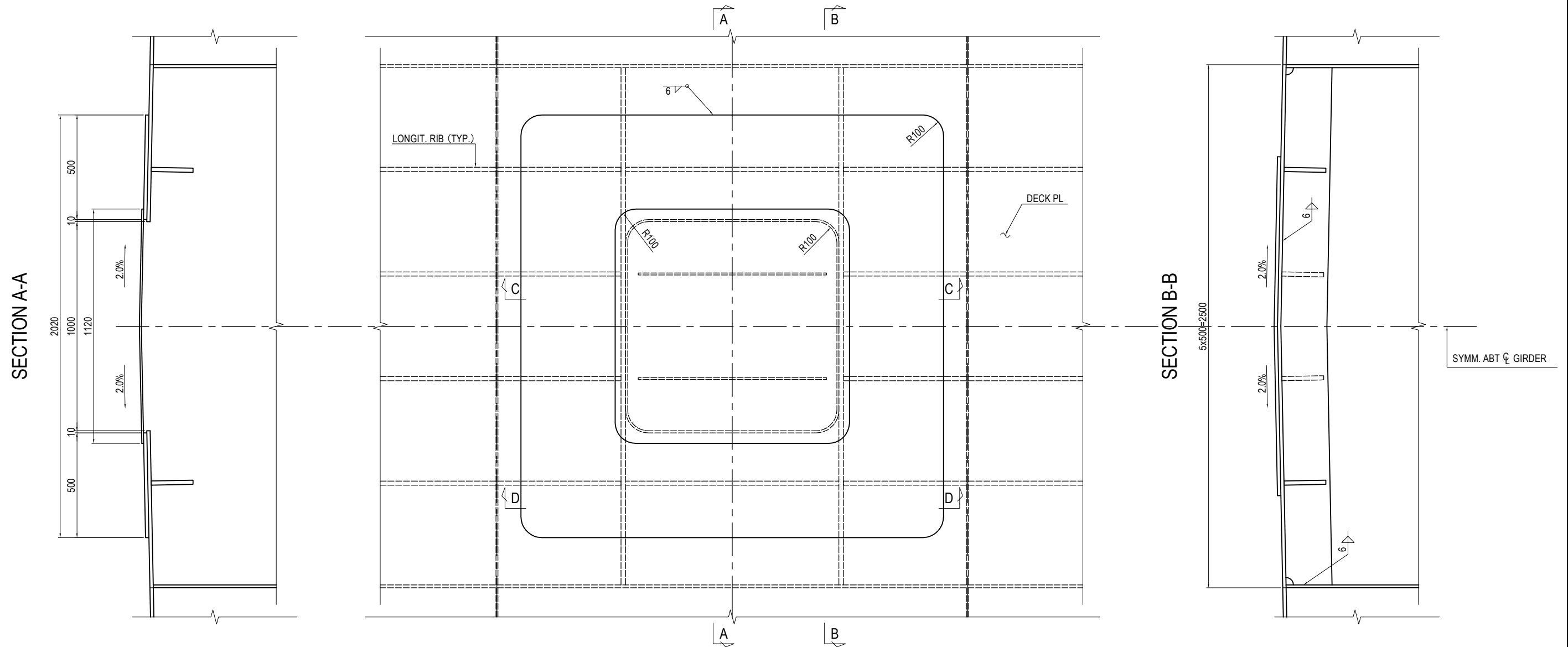
DECK PL MANHOLE DETAIL (FOR CARRYING)

MD-2
(Q'ty=40)

- 1-PL 2020 x 16 x 2020 (SM400A)
- 1-PL 1120 x 9 x 1120 (SM400A)
- 2-FB 100 x 6 x 900 (SS400)
- 2-PL 220 x 22 x 2472 (SM400A)

NOTES:

1 - FOR LOCATION SEE DWG NO. P1-CS-1025 TO 1033.



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE		
				PREPARED BY	T.TOMODA				DETAIL OF MAIN GIRDER STANDARD (8)	1
				CHECKED BY	T. HAYAKAWA					DWG No.
				APPROVED BY	Y. SANO					P1-CS-1019

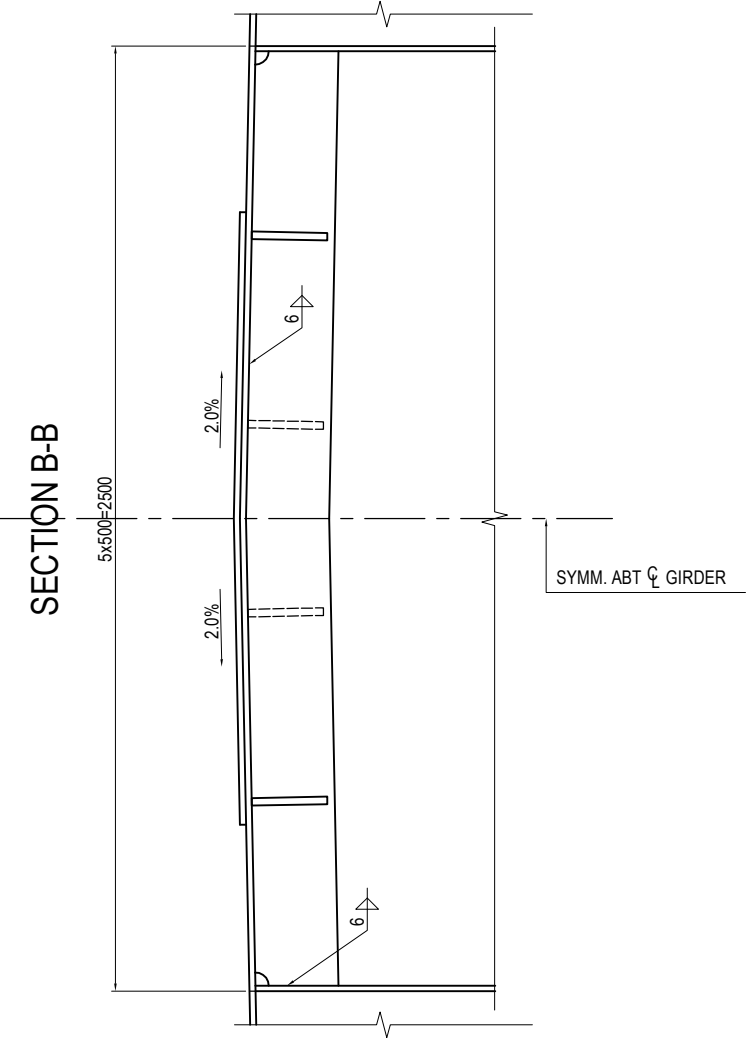
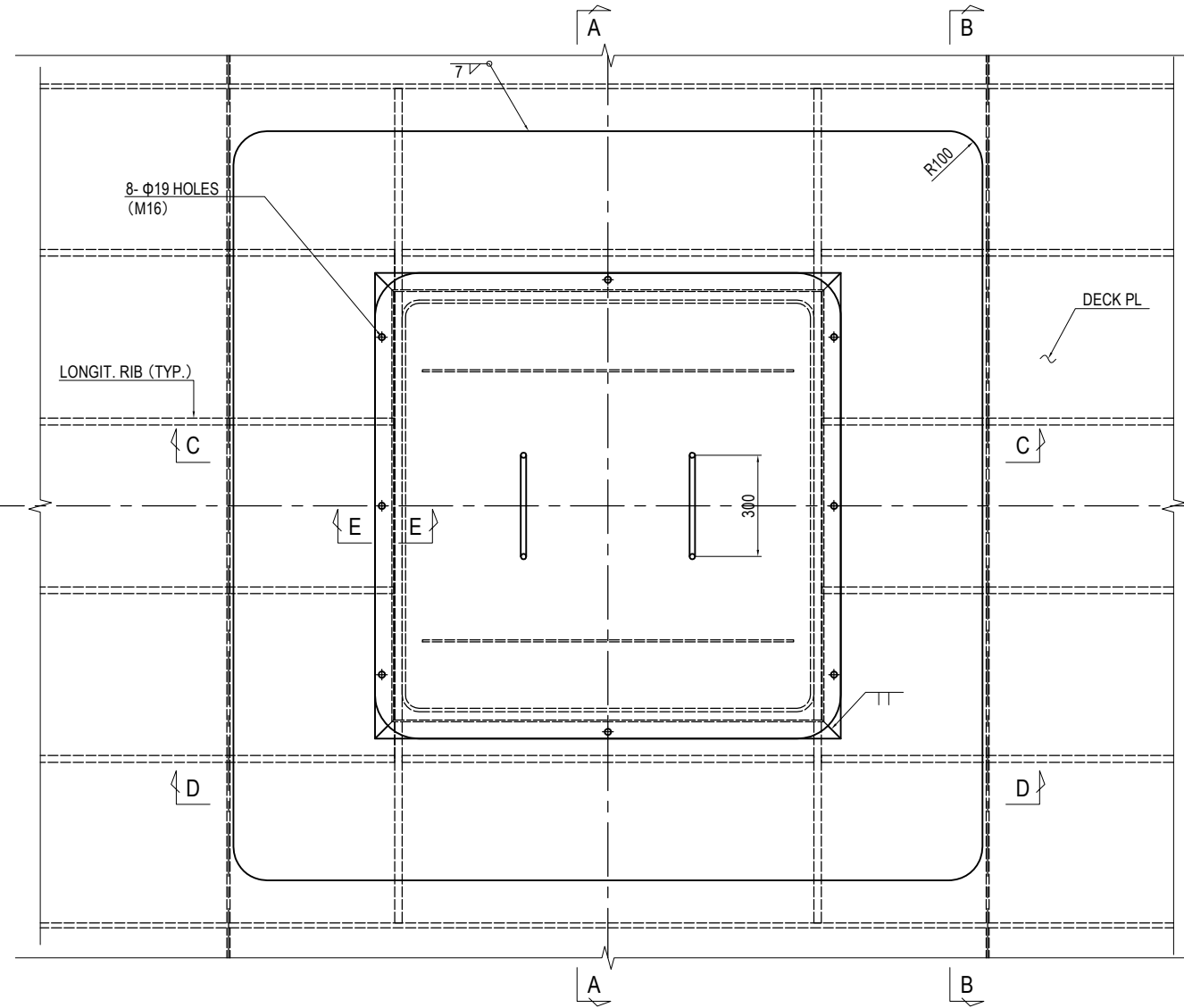
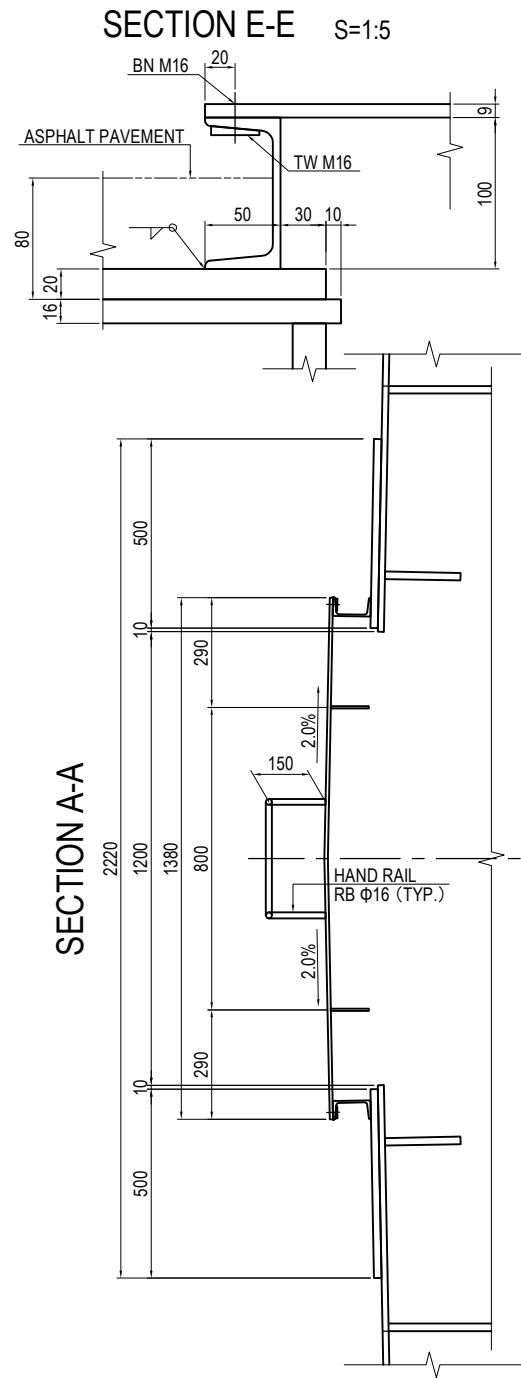
DETAIL OF MAIN GIRDER STANDARD (9) S=1:20

DECK PL MANHOLE DETAIL (FOR CARRYING AND MAINTENANCE)

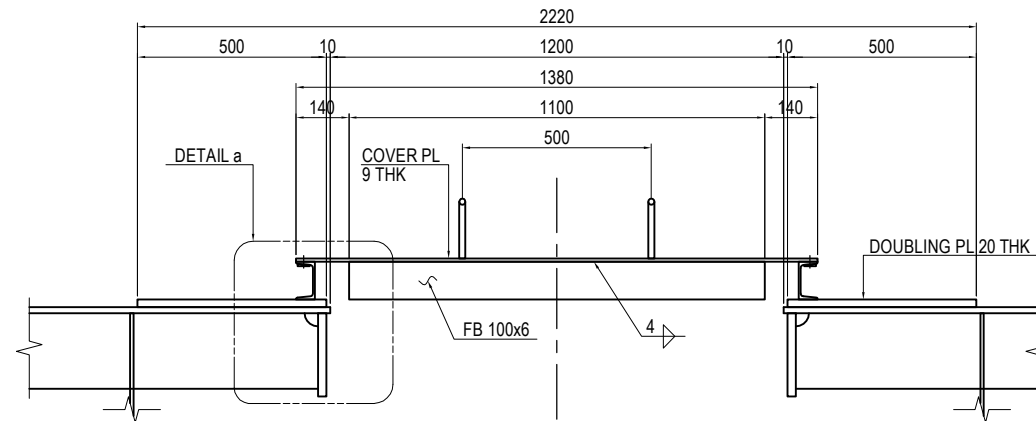
NOTES:
1 - FOR LOCATION SEE DWG NO. P1-CS-1025 TO 1033.

- 1-PL 2200 x 20 x 2200 (SM400A)
- 1-PL 1380 x 9 x 1380 (SM400A)
- 2-FB 100 x 6 x 1100 (SS400)
- 2-PL 220 x 22 x 2472 (SM400A)
- 4-CH 100 x 50 x 5 x 7.5 x 1380 (SS400)
- 8-BN M16 x 40 (1-TW) (SUS304)
- 2-RB ϕ 16x600 (SS400)

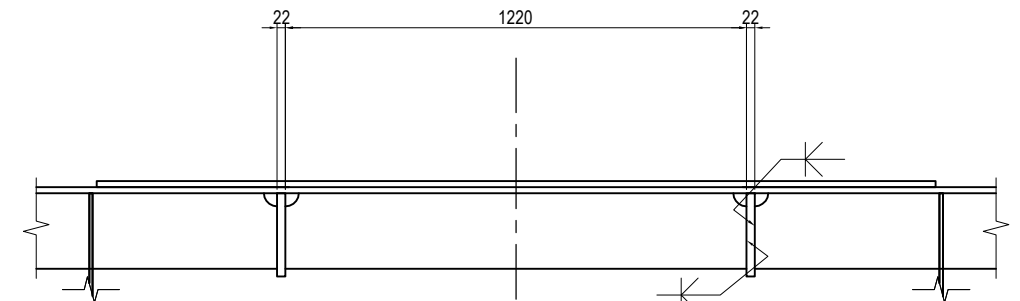
MD-3
(Q'ty=4)



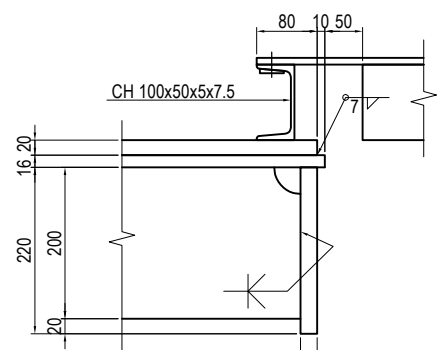
SECTION C-C



SECTION D-D



DETAIL a S=1:10

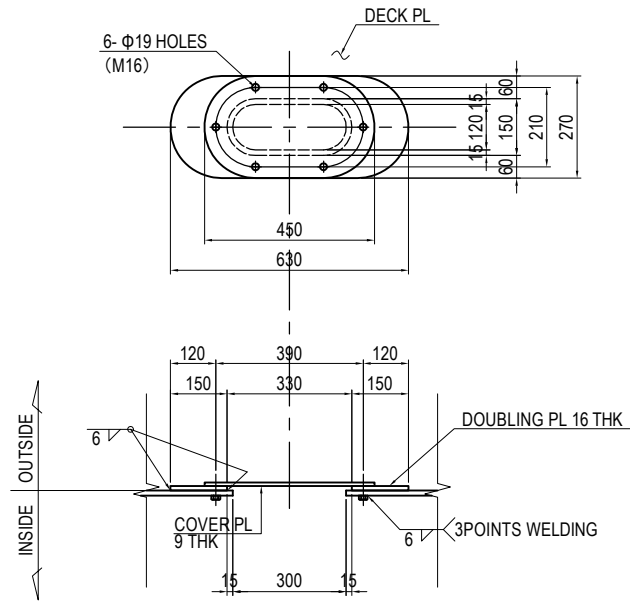


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (9)	PACKAGE 1 DWG No. P1-CS-1020
---	--	---	--	---	-----------------------	------------------	---	---------------------------------------

DETAIL OF MAIN GIRDER STANDARD (10) S=1:20

HANDHOLE DETAIL

H.H
(Q'ty=156)

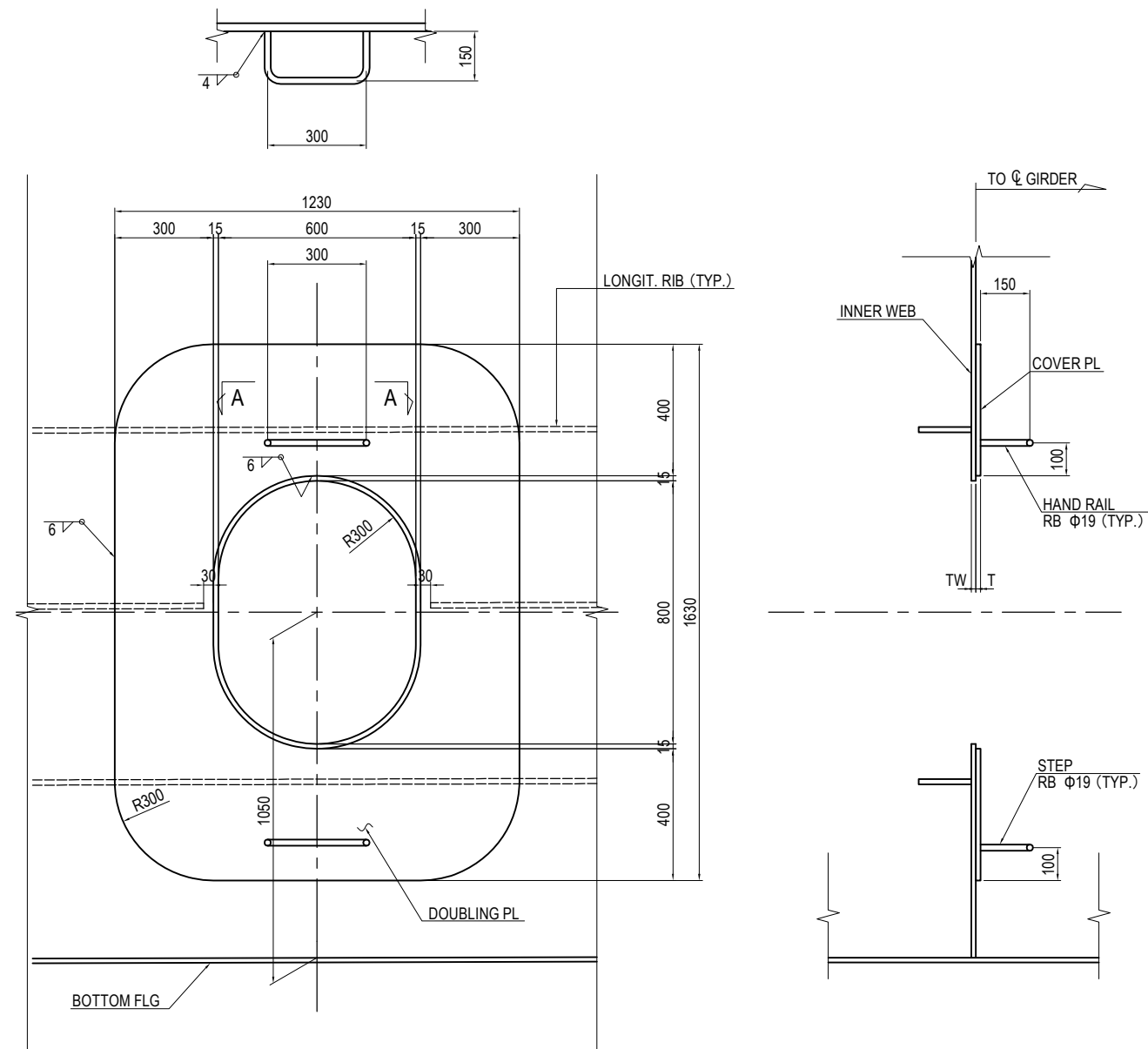


- 1-PL 270 x 16 x 630 (SM400A)
- 1-PL 270 x 9 x 450 (SS400)
- 6-BN M16 x 60 (SUS304)

INNER WEB MANHOLE DETAIL

MW-1<MW2>

SECTION A-A



- 1-PL 1230 x T x 1630 (MATERIAL)
- 2-RB Φ19 x 600 (SS400)

	TW	T	MATERIAL	Q'ty
MW-1	14	14	SM490YA	36
MW-2	17	17	SM490YB	4

NOTES:

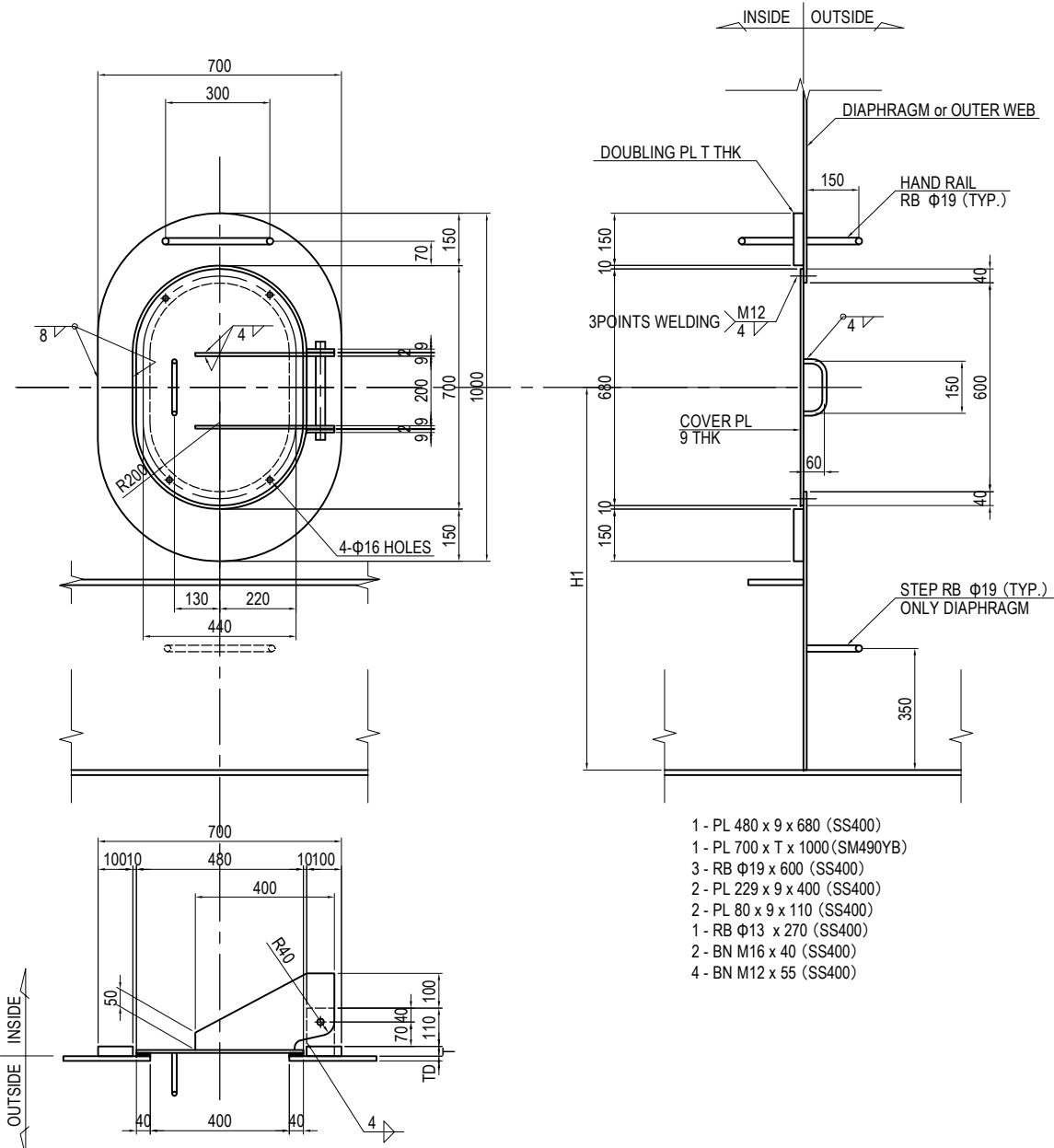
1 - FOR LOCATION SEE DWG NO. P1-CS-1025 TO 1033.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">DETAIL OF MAIN GIRDER STANDARD (10)</h2>	PACKAGE 1 DWG No. P1-CS-1021
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

DETAIL OF MAIN GIRDER STANDARD (11) S=1:20

DIAPHRAGM MANHOLE DETAIL

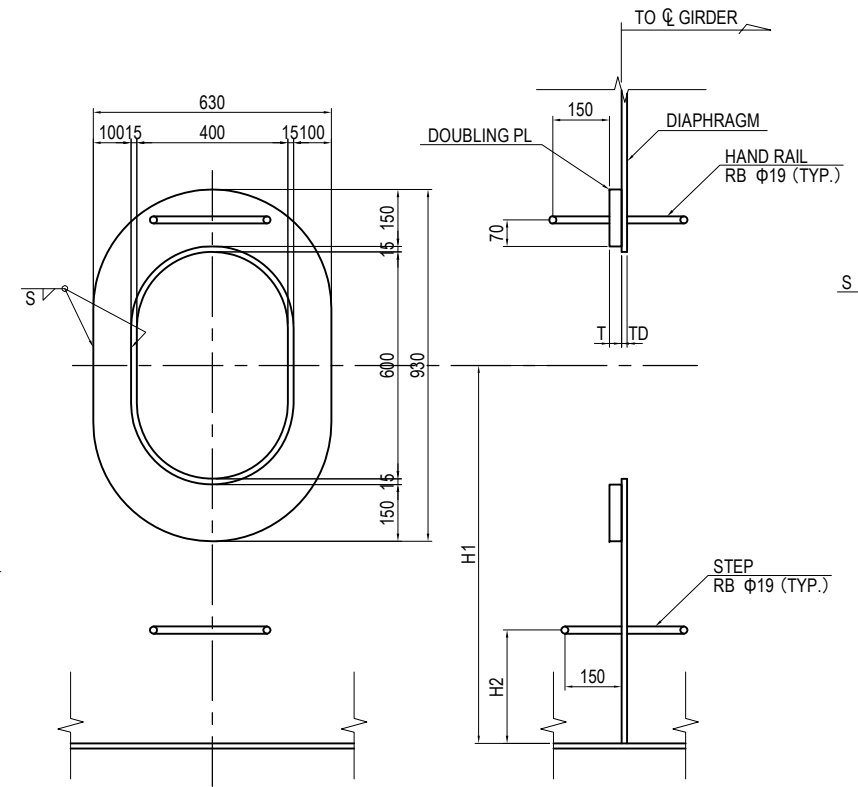
ME-1 & 2



- 1 - PL 480 x 9 x 680 (SS400)
- 1 - PL 700 x T x 1000 (SM490YB)
- 3 - RB φ19 x 600 (SS400)
- 2 - PL 229 x 9 x 400 (SS400)
- 2 - PL 80 x 9 x 110 (SS400)
- 1 - RB φ13 x 270 (SS400)
- 2 - BN M16 x 40 (SS400)
- 4 - BN M12 x 55 (SS400)

	H1	TD	T	MATERIAL	Q'ty	S
ME-1	1100	14	28	SM490YB	4	8
ME-2	900	17	34	SM490YB	2	9

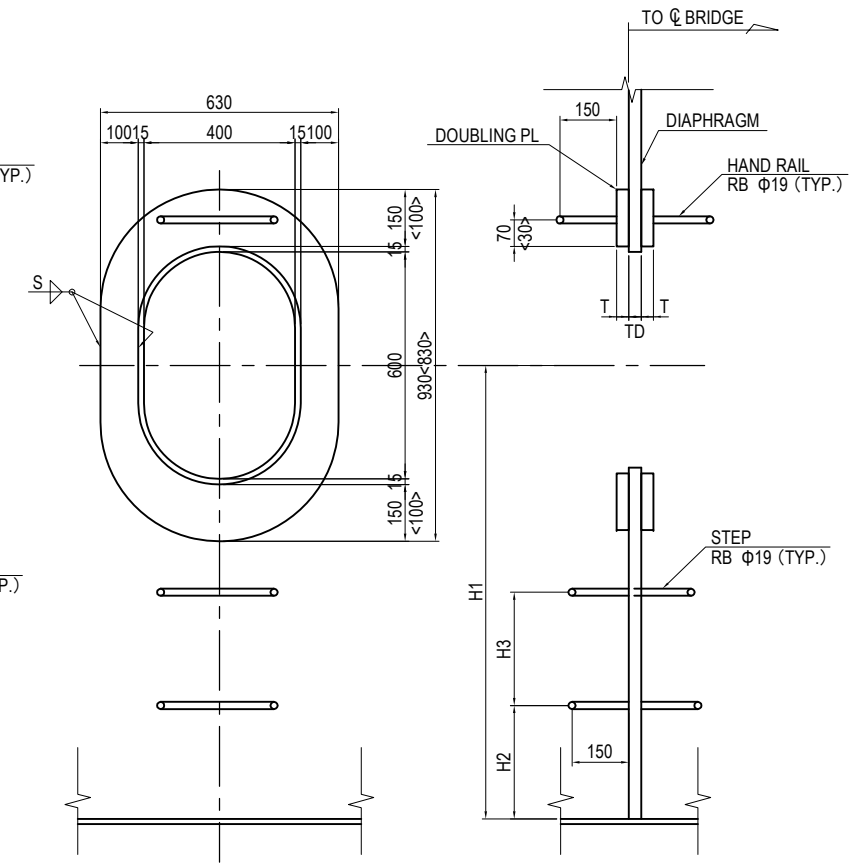
MP-1,2 & 3



- 1-PL 630 xT x 930 (MATERIAL)
- 4-RB φ19 x 600 (SS400)

	H1	H2	TD	T	MATERIAL	Q'ty	S
MP-1	1100	350	14	28	SM490YB	4	8
MP-2	900	300	14	28	SM490YB	4	8
MP-3	900	300	22	44	SM520C-H	8	10

<MP-4>,5 & 6



- 2-PL 630 xT x 930-830 (MATERIAL)
- 6<2>-RB φ19 x 600 (SS400)

	H1	H2	H3	TD	T	MATERIAL	Q'ty	S
MP-4	470	-	-	35	53	SM520C-H	4	11
MP-5	1200	300	300	35	35	SM490YB	8	9
MP-6	900	300	-	50	50	SM520C-H	4	10

NOTES:

1 - FOR LOCATION SEE DWG NO. P1-CS-1025 TO 1033.

DETAIL OF MAIN GIRDER STANDARD (12) S=1:40

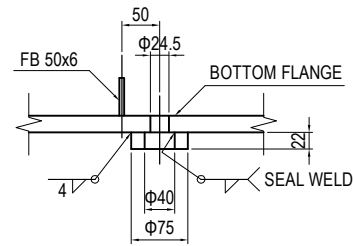
DRAINAGE DETAIL FOR BOTTOM FLANGE

TYPICAL SEGMENT

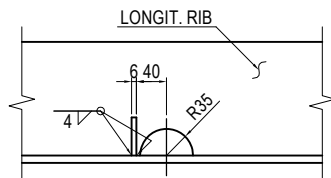
1-FB 50 x 6 x 479 (SS400) 3-FB 50 x 6 x 493 (SS400)
 1-FB 50 x 6 x 572 (SS400) 1-PL 75 x 22 x 75
 1-PL 75 x 22 x 75

TO CL BRIDGE

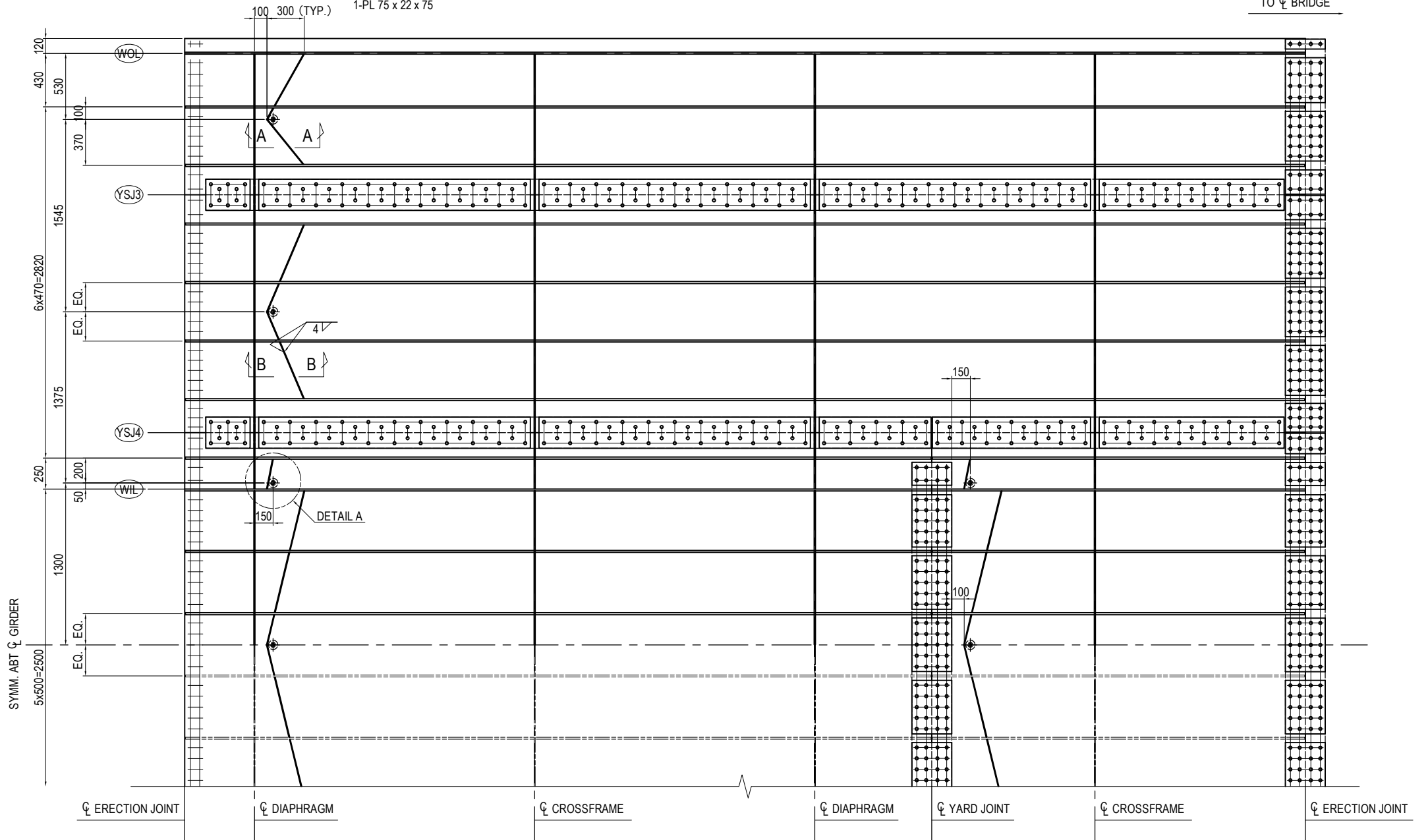
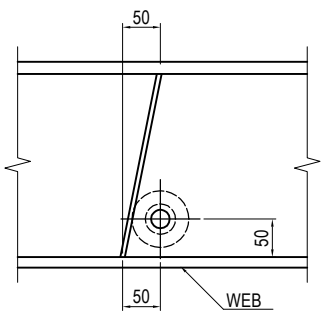
SECTION A-A S=1:10



SECTION B-B S=1:10



DETAIL A S=1:10



3-FB 50 x 6 x 498 (SS400)
 2-FB 50 x 6 x 492 (SS400)
 2-FB 50 x 6 x 247 (SS400)
 3-PL 75 x 22 x 75

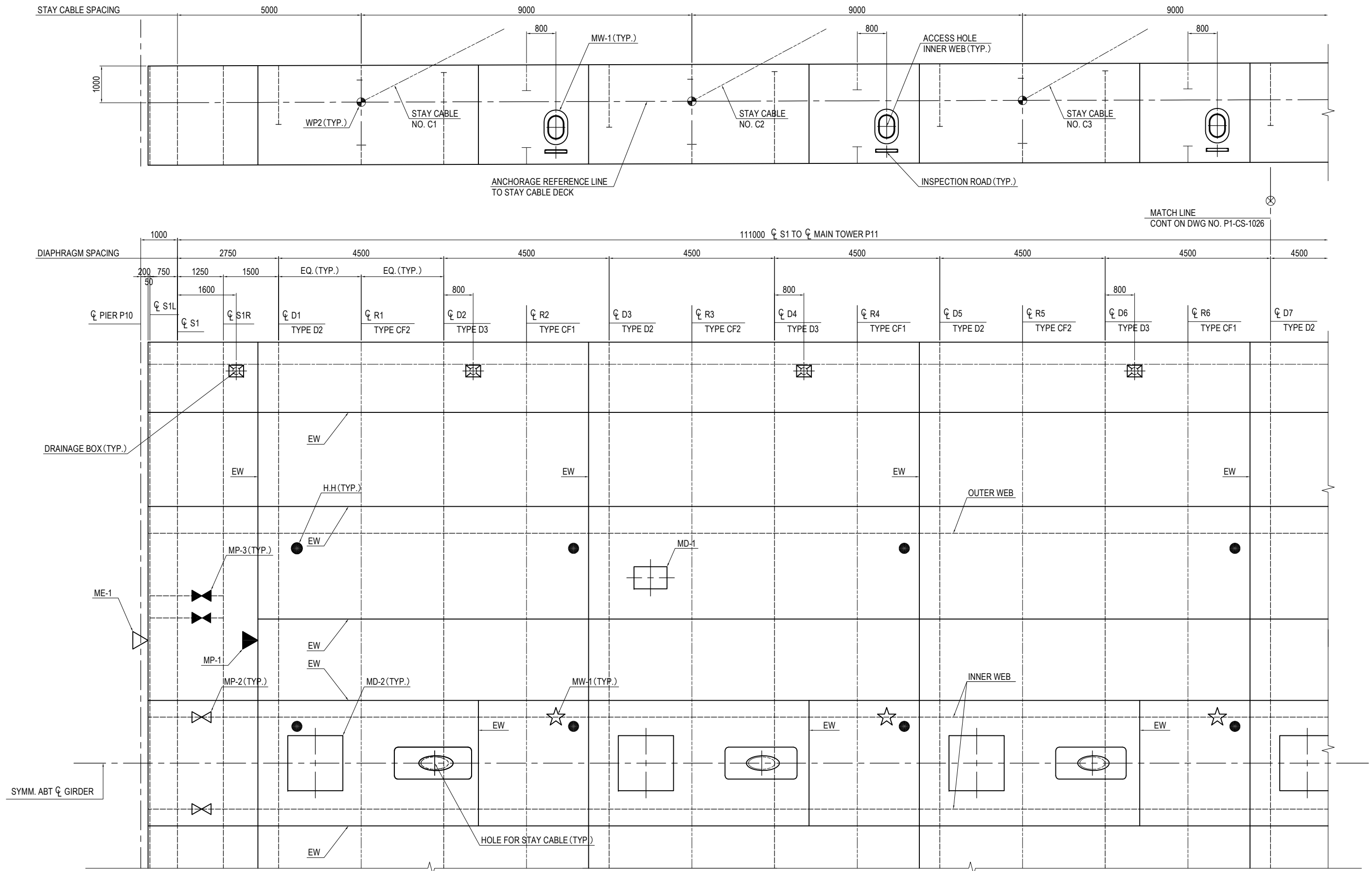
3-FB 50 x 6 x 498 (SS400)
 2-FB 50 x 6 x 492 (SS400)
 2-FB 50 x 6 x 247 (SS400)
 3-PL 75 x 22 x 75

NOTES:

1 - SET DRAINAGE IN LOWER LONGITUDINAL GRADIENT SIDE.

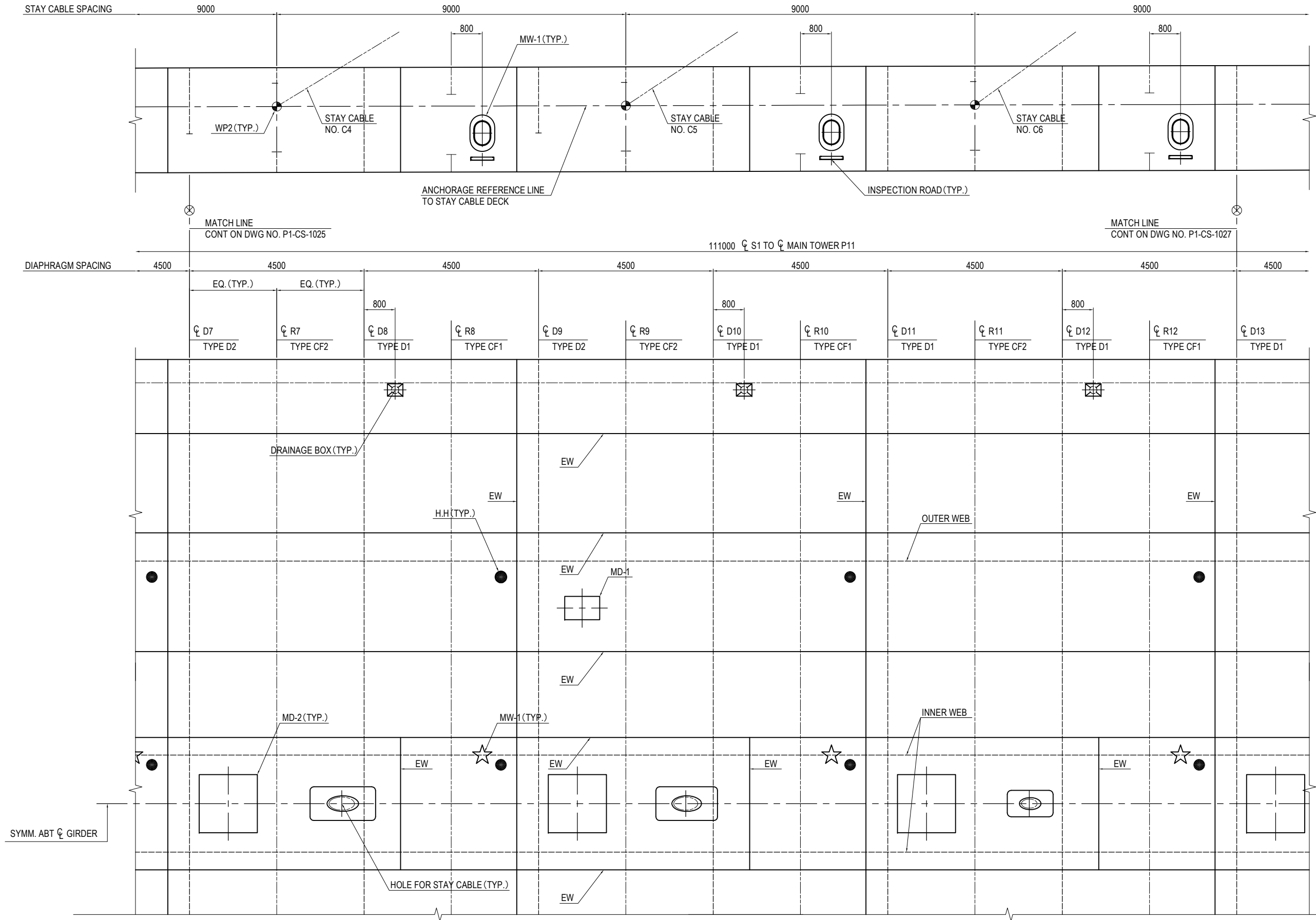
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN GIRDER STANDARD (12)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1023

BAR ARRANGEMENT OF MAIN GIRDER (1) S=1:100



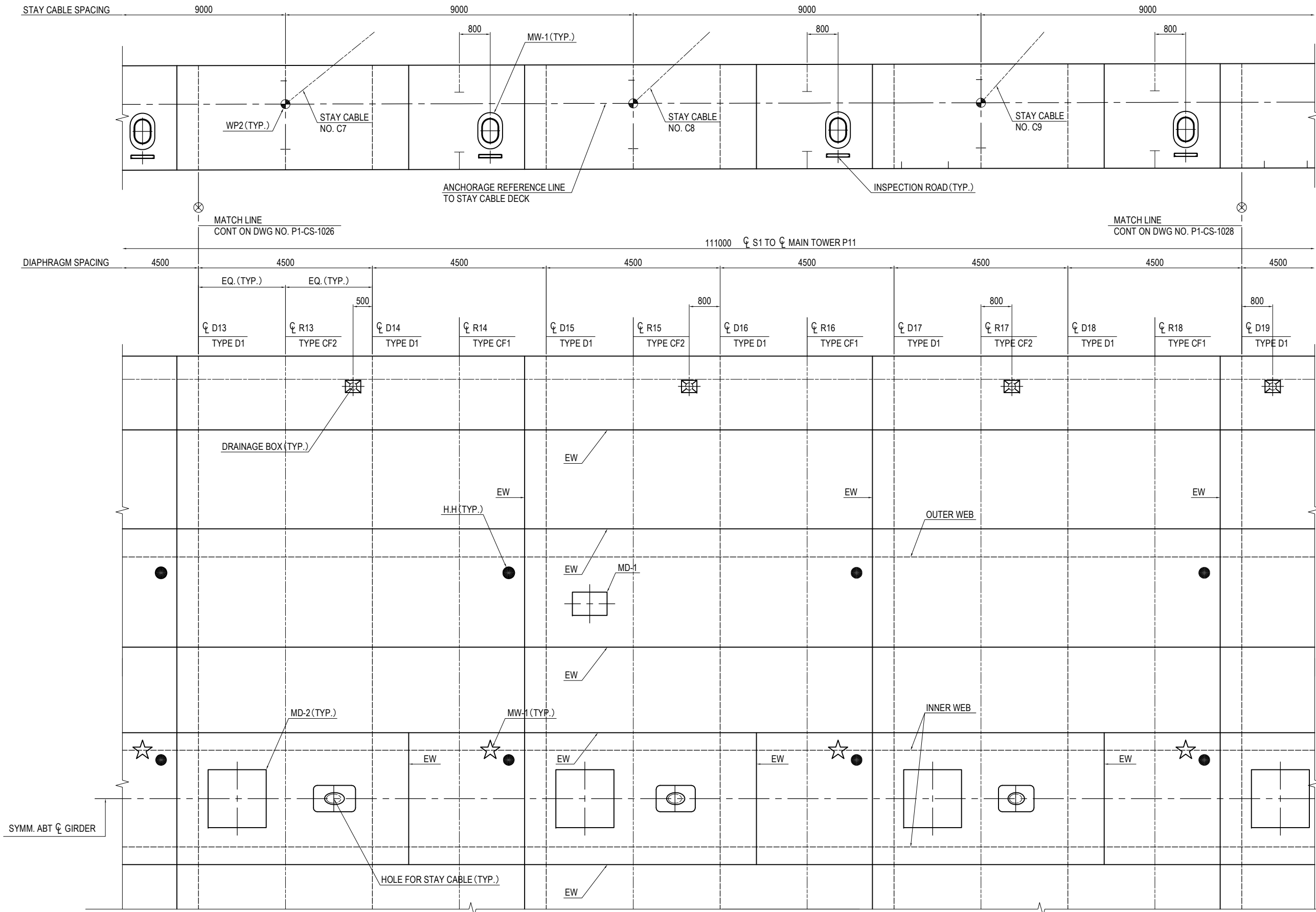
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF MAIN GIRDER (1)</td> </tr> </tbody> </table>	DRAWING TITLE	BAR ARRANGEMENT OF MAIN GIRDER (1)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1025</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1025
NAME	SIGNATURE	DATE																						
PREPARED BY T. TOMODA																								
CHECKED BY T. HAYAKAWA																								
APPROVED BY Y. SANO																								
DRAWING TITLE																								
BAR ARRANGEMENT OF MAIN GIRDER (1)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1025																								

BAR ARRANGEMENT OF MAIN GIRDER (2) S=1:100



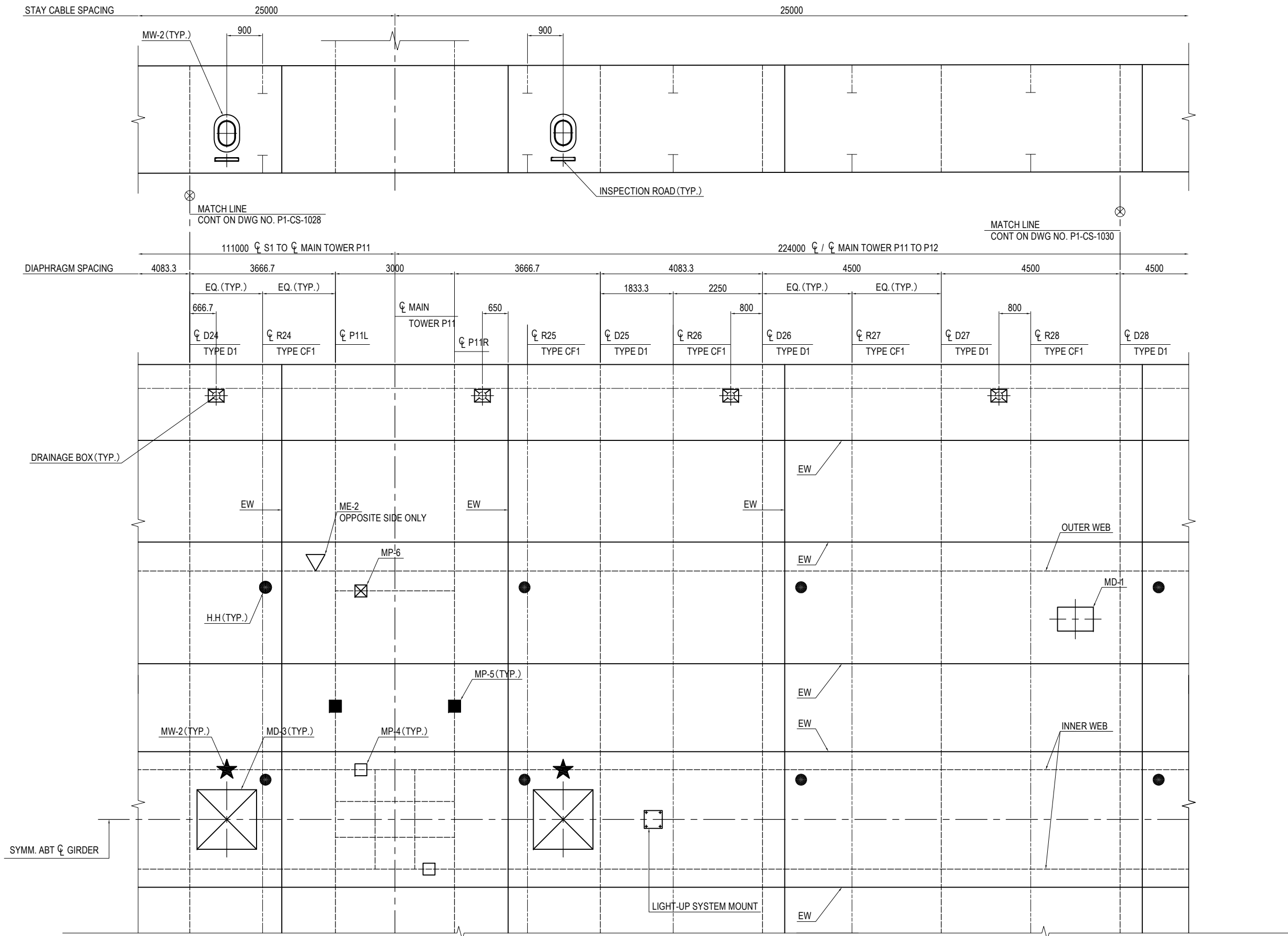
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">DRAWING TITLE</th> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;"> BAR ARRANGEMENT OF MAIN GIRDER (2) </td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1026</td> </tr> </table>	DRAWING TITLE	PACKAGE	BAR ARRANGEMENT OF MAIN GIRDER (2)	1	DWG No.	P1-CS-1026
NAME	SIGNATURE	DATE																					
PREPARED BY T. TOMODA																							
CHECKED BY T. HAYAKAWA																							
APPROVED BY Y. SANO																							
DRAWING TITLE	PACKAGE																						
BAR ARRANGEMENT OF MAIN GIRDER (2)	1																						
	DWG No.																						
	P1-CS-1026																						

BAR ARRANGEMENT OF MAIN GIRDER (3) S=1:100



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF MAIN GIRDER (3)</h2>	PACKAGE 1 DWG No. P1-CS-1027
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

BAR ARRANGEMENT OF MAIN GIRDER (5) S=1:100



PROJECT NAME
 DETAILED DESIGN ON
 BAGO RIVER BRIDGE
 CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
 COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
 MINISTRY OF CONSTRUCTION
 DEPARTMENT OF BRIDGE

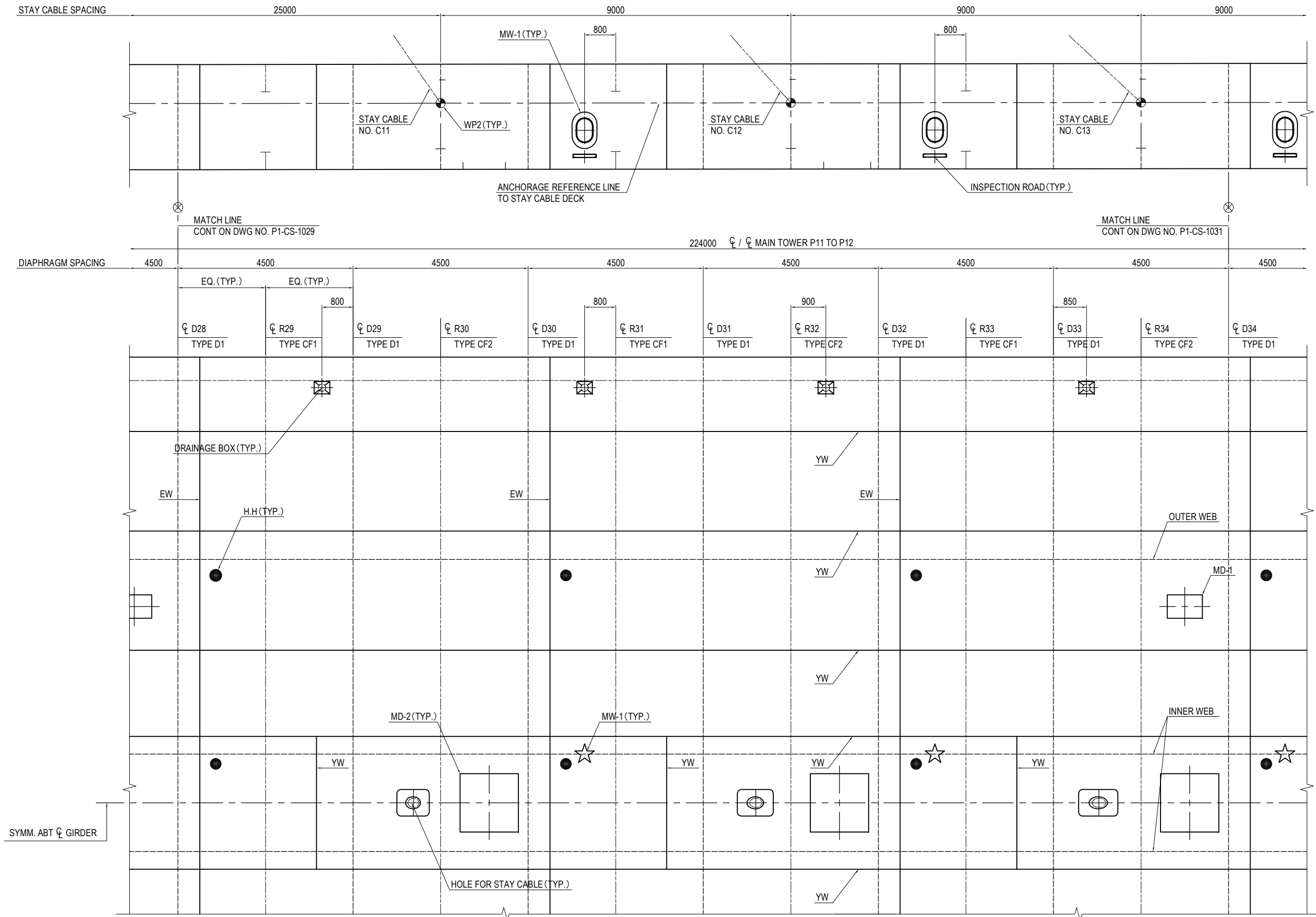
JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
BAR ARRANGEMENT OF MAIN GIRDER (5)

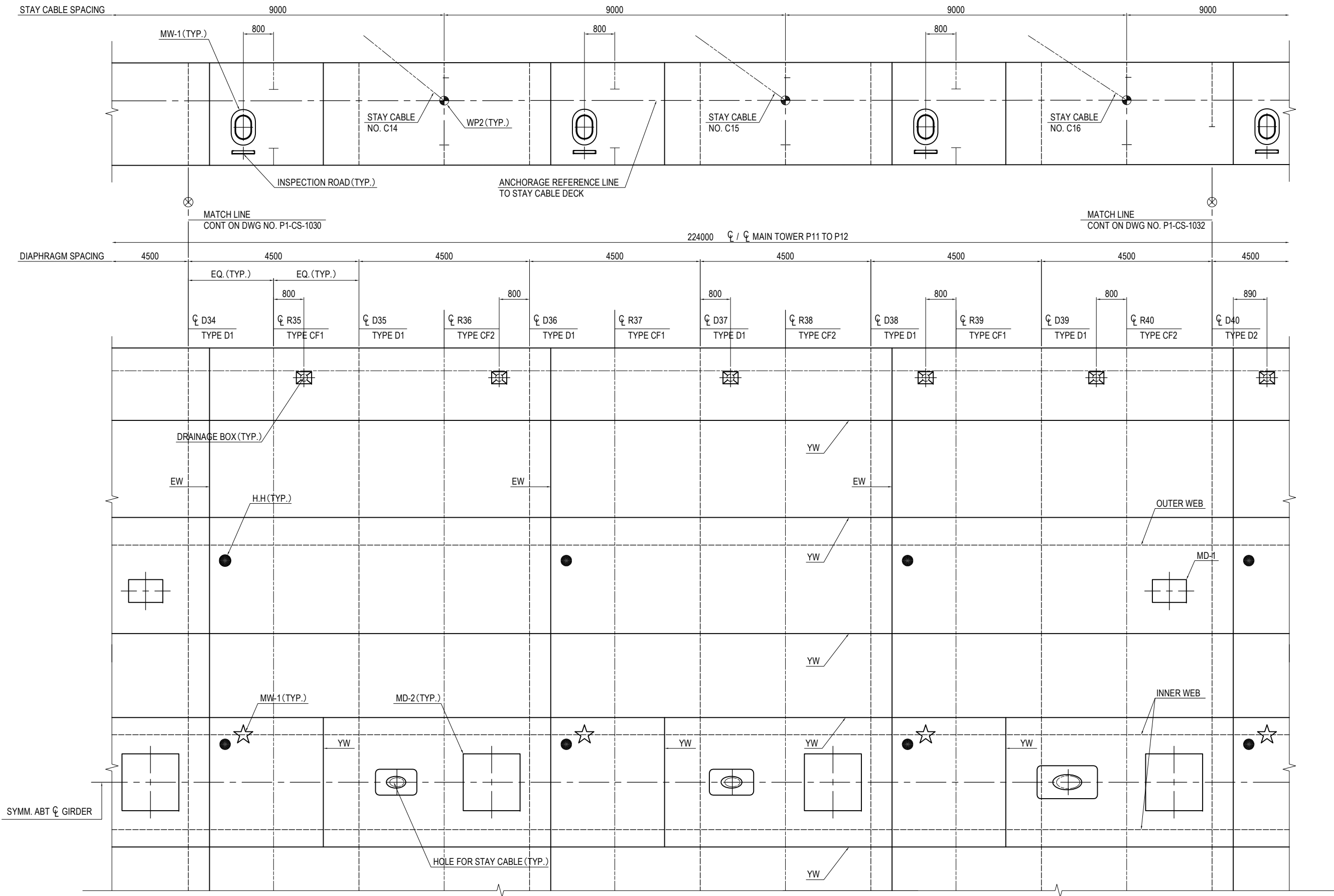
PACKAGE
 1
 DWG No.
 P1-CS-1029

BAR ARRANGEMENT OF MAIN GIRDER (6) S=1:100



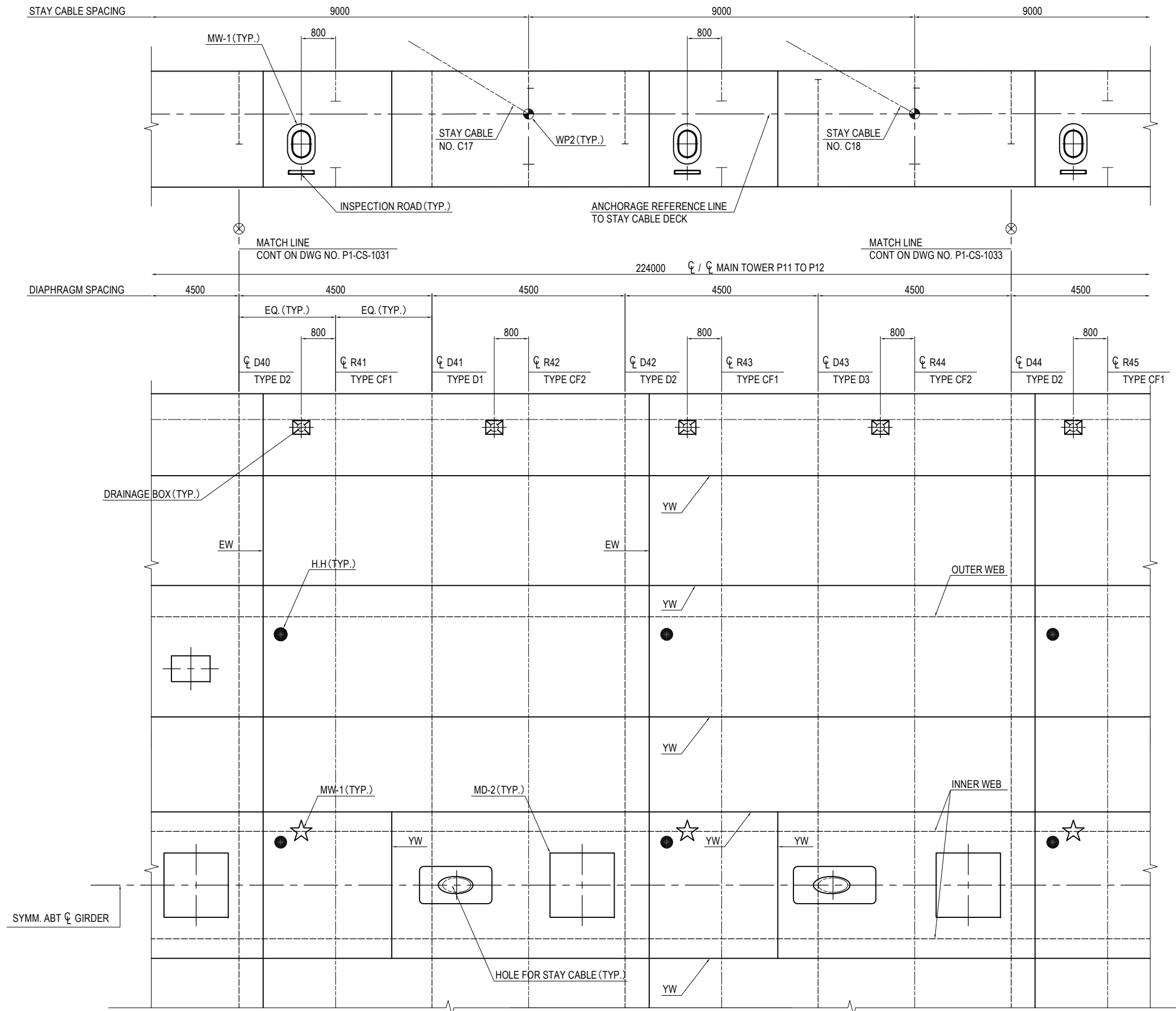
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF MAIN GIRDER (6)</td> </tr> </table>	DRAWING TITLE	BAR ARRANGEMENT OF MAIN GIRDER (6)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 100%;">PACKAGE</th> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1030</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-1030
NAME	SIGNATURE	DATE																						
PREPARED BY T. TOMODA																								
CHECKED BY T. HAYAKAWA																								
APPROVED BY Y. SANO																								
DRAWING TITLE																								
BAR ARRANGEMENT OF MAIN GIRDER (6)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1030																								

BAR ARRANGEMENT OF MAIN GIRDER (7) S=1:100



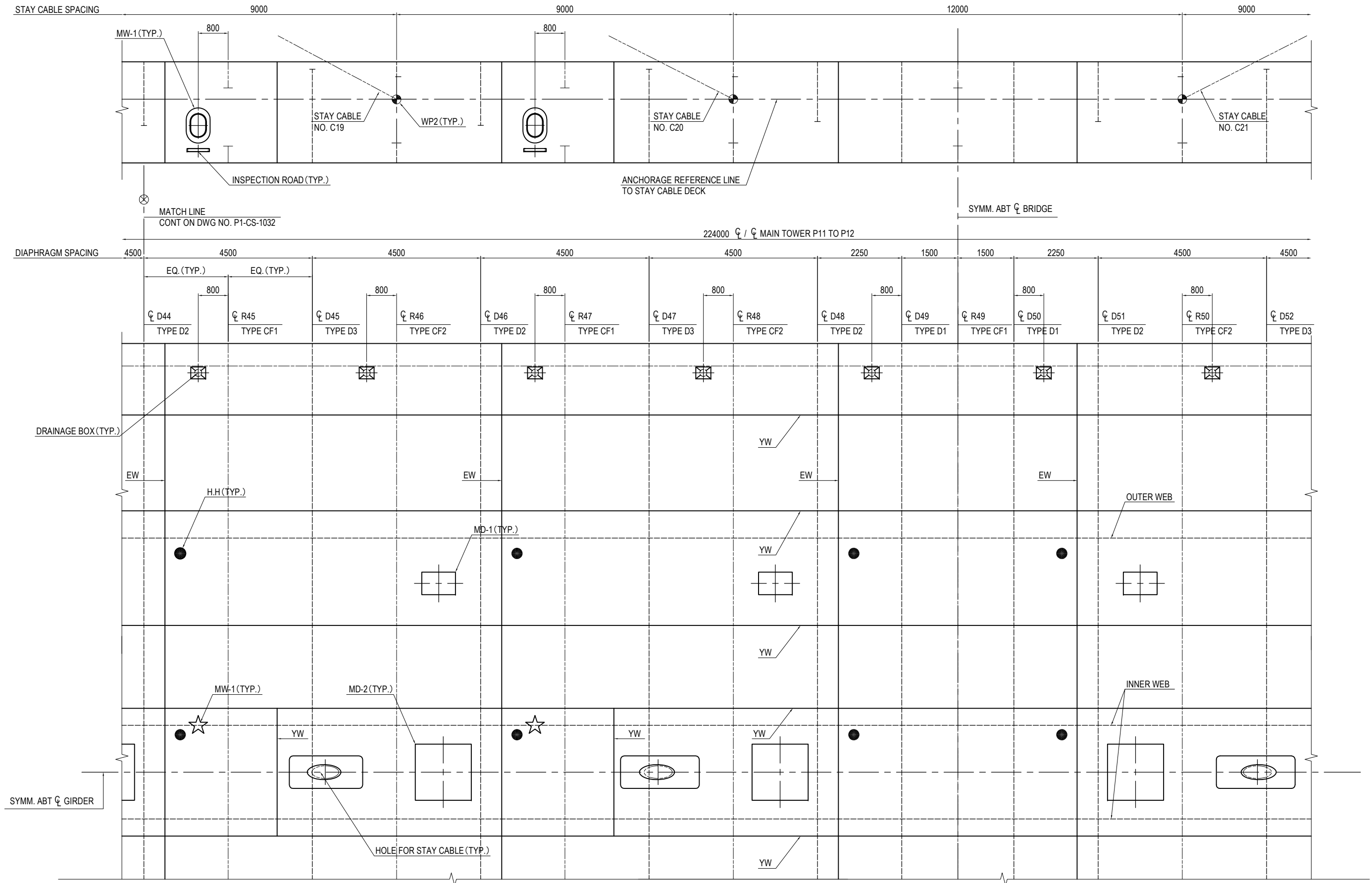
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><small>PREPARED BY</small></td> <td>T. TOMODA</td> </tr> <tr> <td><small>CHECKED BY</small></td> <td>T. HAYAKAWA</td> </tr> <tr> <td><small>APPROVED BY</small></td> <td>Y. SANO</td> </tr> </table>	<small>PREPARED BY</small>	T. TOMODA	<small>CHECKED BY</small>	T. HAYAKAWA	<small>APPROVED BY</small>	Y. SANO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><small>SIGNATURE</small></td> <td></td> </tr> <tr> <td><small>DATE</small></td> <td></td> </tr> </table>	<small>SIGNATURE</small>		<small>DATE</small>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;"><small>DRAWING TITLE</small></td> </tr> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF MAIN GIRDER (7)</td> </tr> </table>	<small>DRAWING TITLE</small>	BAR ARRANGEMENT OF MAIN GIRDER (7)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;"><small>PACKAGE</small></td> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1031</td> </tr> </table>	<small>PACKAGE</small>	1	DWG No.	P1-CS-1031
<small>PREPARED BY</small>	T. TOMODA																						
<small>CHECKED BY</small>	T. HAYAKAWA																						
<small>APPROVED BY</small>	Y. SANO																						
<small>SIGNATURE</small>																							
<small>DATE</small>																							
<small>DRAWING TITLE</small>																							
BAR ARRANGEMENT OF MAIN GIRDER (7)																							
<small>PACKAGE</small>																							
1																							
DWG No.																							
P1-CS-1031																							

BAR ARRANGEMENT OF MAIN GIRDER (8) S=1:100



<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">DRAWING TITLE</th> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;"> BAR ARRANGEMENT OF MAIN GIRDER (8) </td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1032</td> </tr> </table>	DRAWING TITLE	PACKAGE	BAR ARRANGEMENT OF MAIN GIRDER (8)	1	DWG No.	P1-CS-1032
NAME	SIGNATURE	DATE																					
PREPARED BY T. TOMODA																							
CHECKED BY T. HAYAKAWA																							
APPROVED BY Y. SANO																							
DRAWING TITLE	PACKAGE																						
BAR ARRANGEMENT OF MAIN GIRDER (8)	1																						
	DWG No.																						
	P1-CS-1032																						

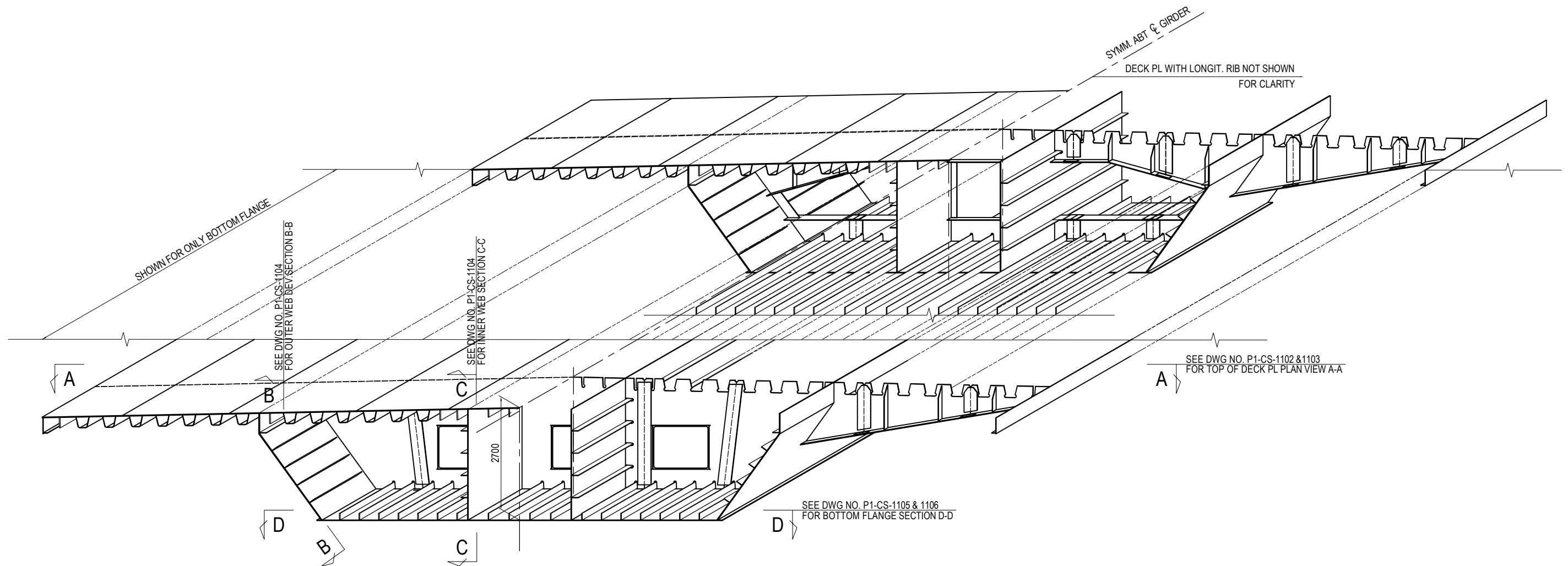
BAR ARRANGEMENT OF MAIN GIRDER (9) S=1:100



<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><small>PREPARED BY</small></td> <td>T. TOMODA</td> </tr> <tr> <td><small>CHECKED BY</small></td> <td>T. HAYAKAWA</td> </tr> <tr> <td><small>APPROVED BY</small></td> <td>Y. SANO</td> </tr> </table>	<small>PREPARED BY</small>	T. TOMODA	<small>CHECKED BY</small>	T. HAYAKAWA	<small>APPROVED BY</small>	Y. SANO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><small>SIGNATURE</small></td> <td></td> </tr> <tr> <td><small>DATE</small></td> <td></td> </tr> </table>	<small>SIGNATURE</small>		<small>DATE</small>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;"><small>DRAWING TITLE</small></td> </tr> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF MAIN GIRDER (9)</td> </tr> </table>	<small>DRAWING TITLE</small>	BAR ARRANGEMENT OF MAIN GIRDER (9)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;"><small>PACKAGE</small></td> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;"><small>DWG No.</small></td> </tr> <tr> <td style="text-align: center;">P1-CS-1033</td> </tr> </table>	<small>PACKAGE</small>	1	<small>DWG No.</small>	P1-CS-1033
<small>PREPARED BY</small>	T. TOMODA																						
<small>CHECKED BY</small>	T. HAYAKAWA																						
<small>APPROVED BY</small>	Y. SANO																						
<small>SIGNATURE</small>																							
<small>DATE</small>																							
<small>DRAWING TITLE</small>																							
BAR ARRANGEMENT OF MAIN GIRDER (9)																							
<small>PACKAGE</small>																							
1																							
<small>DWG No.</small>																							
P1-CS-1033																							

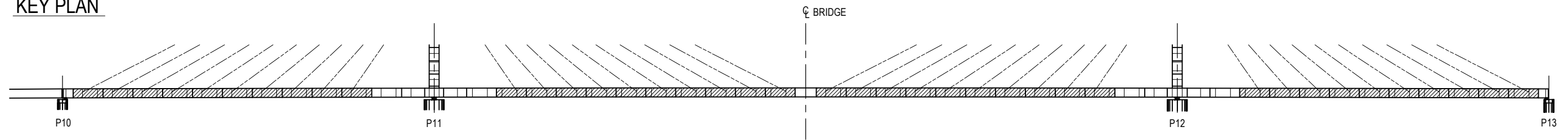
MAIN GIRDER LAYOUT AT ERECTION SEGMENT

TYPICAL SEGMENT N.T.S.



NOTES:
 1 - EACH DWG NO. P1-CS-1102 TO 1106
 SEE DWG NO. P1-CS-1403 TO 1502
 FOR STAY CABLE ANCHORAGE DETAILS.

KEY PLAN

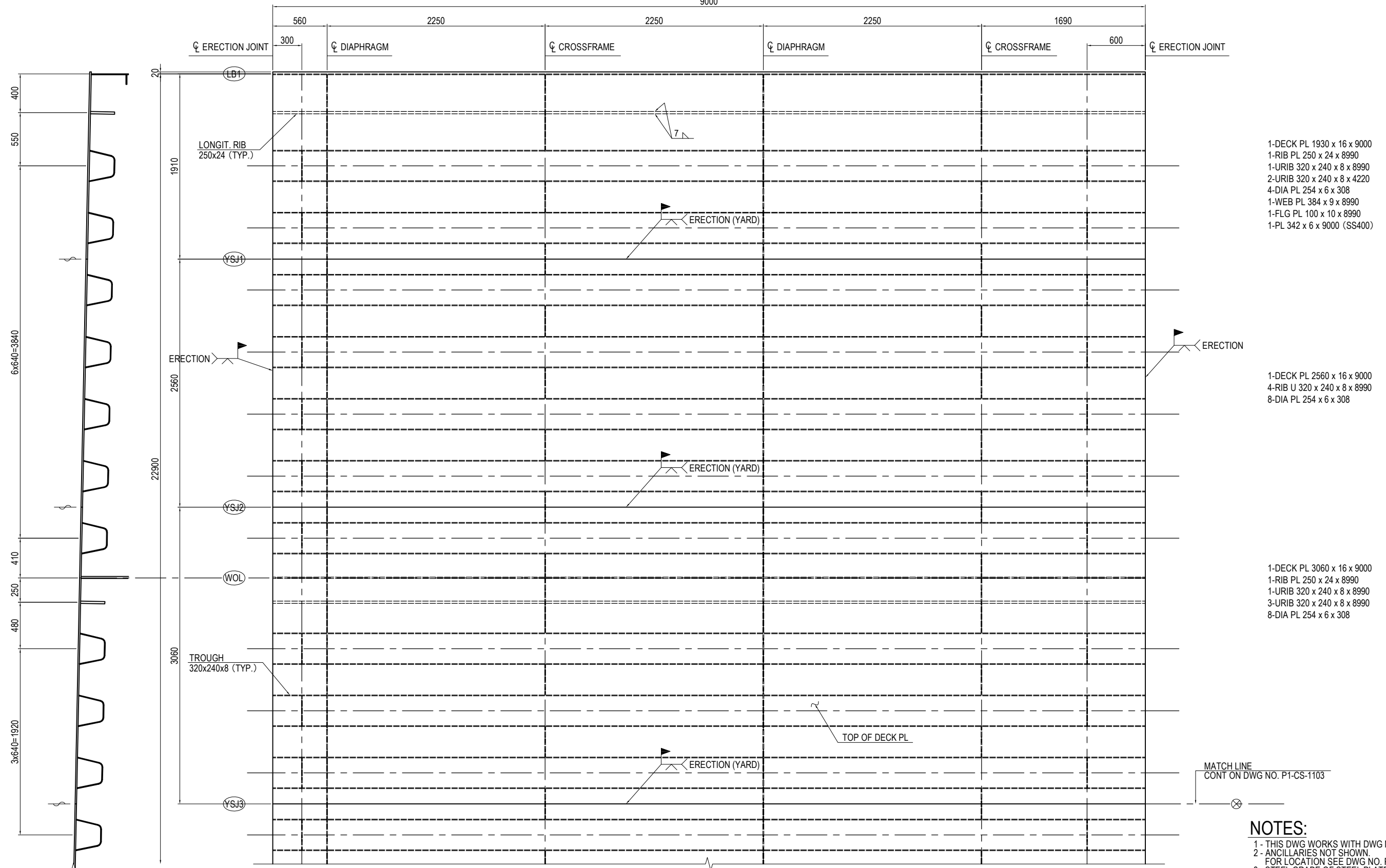


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER LAYOUT AT ERECTION SEGMENT (TYPICAL SEGMENT)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1101

MAIN GIRDER DETAIL FOR DECK PL (1) S=1:40

TOP OF DECK PL
PLAN VIEW A-A
FOR BACK SPAN SECTION (FOR MAIN SPAN SECTION)

TO ϕ MAIN TOWER



- 1-DECK PL 1930 x 16 x 9000
- 1-RIB PL 250 x 24 x 8990
- 1-URIB 320 x 240 x 8 x 8990
- 2-URIB 320 x 240 x 8 x 4220
- 4-DIA PL 254 x 6 x 308
- 1-WEB PL 384 x 9 x 8990
- 1-FLG PL 100 x 10 x 8990
- 1-PL 342 x 6 x 9000 (SS400)

- 1-DECK PL 2560 x 16 x 9000
- 4-RIB U 320 x 240 x 8 x 8990
- 8-DIA PL 254 x 6 x 308

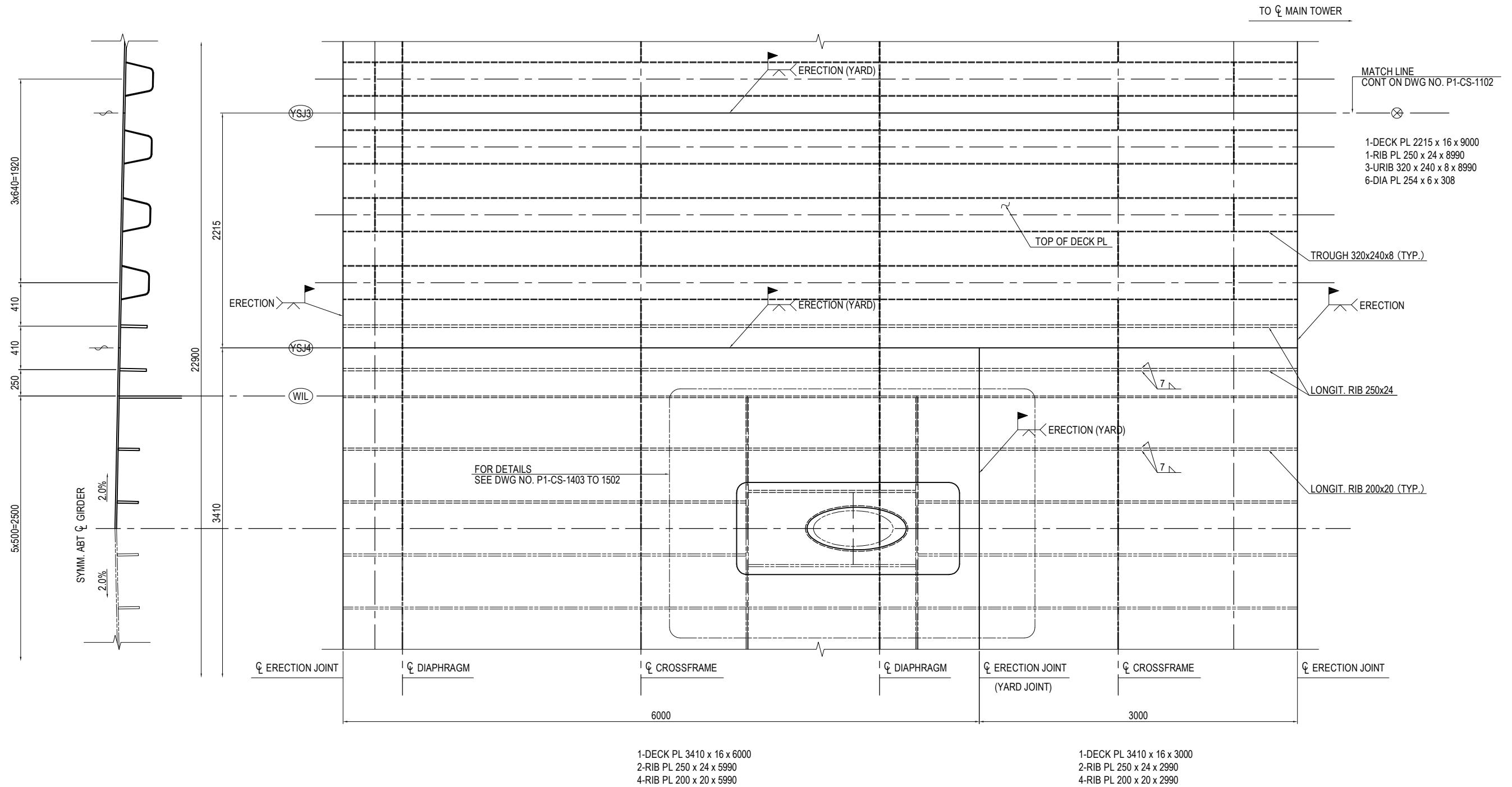
- 1-DECK PL 3060 x 16 x 9000
- 1-RIB PL 250 x 24 x 8990
- 1-URIB 320 x 240 x 8 x 8990
- 3-URIB 320 x 240 x 8 x 8990
- 8-DIA PL 254 x 6 x 308

- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1101.
 - 2 - ANCILLARIES NOT SHOWN.
 - 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR DECK PL (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1102

MAIN GIRDER DETAIL FOR DECK PL (2) S=1:40

TOP OF DECK PL PLAN VIEW A-A FOR BACK SPAN SECTION (FOR MAIN SPAN SECTION)



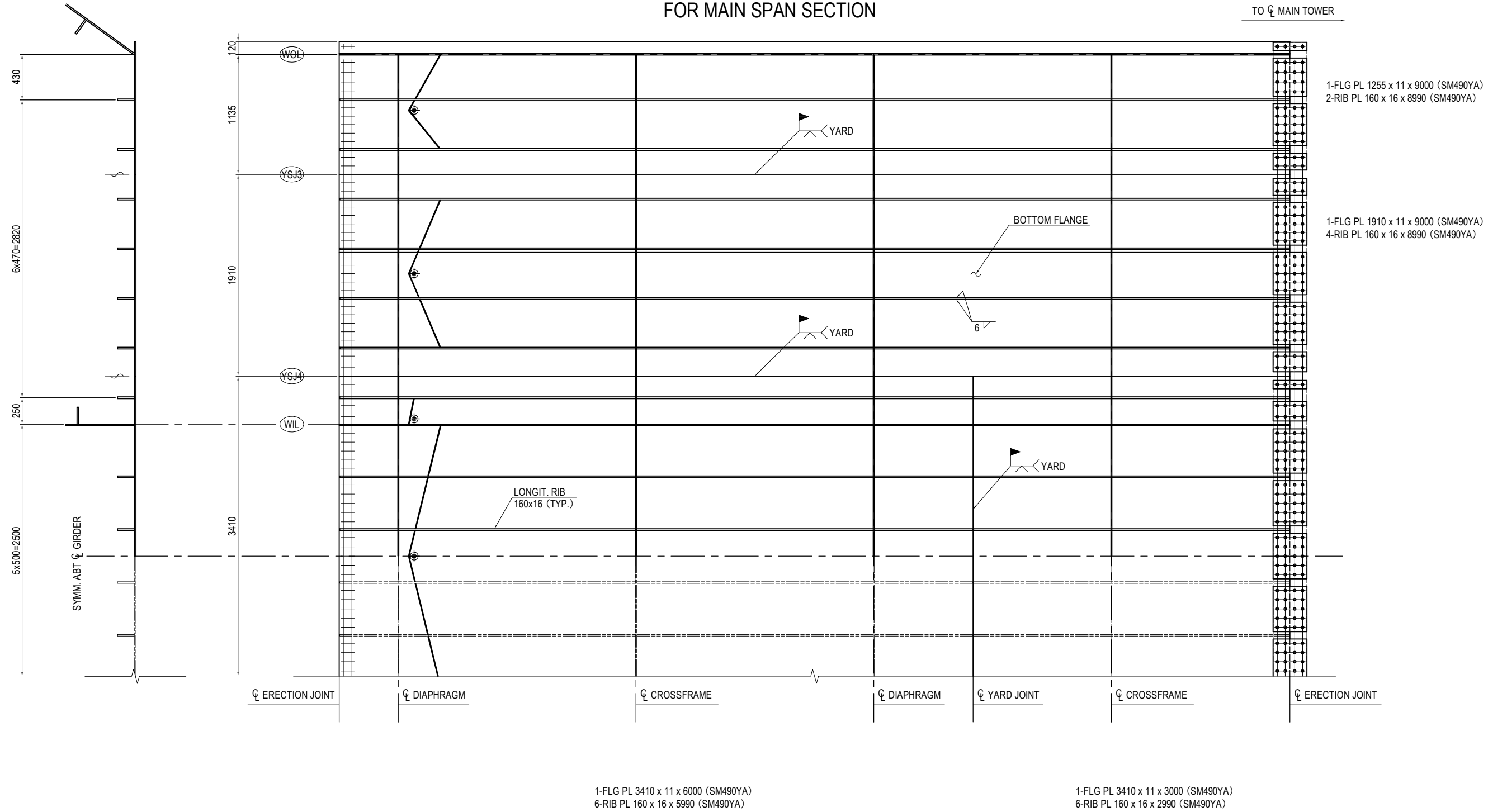
- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1101.
 - 2 - ANCILLARIES NOT SHOWN.
 - 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER DETAIL FOR DECK PL (2)</h3>	PACKAGE 1 DWG No. P1-CS-1103
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER DETAIL FOR BOTTOM FLANGE (2) S=1:40

BOTTOM FLANGE SECTION D-D FOR MAIN SPAN SECTION

TO ϕ MAIN TOWER

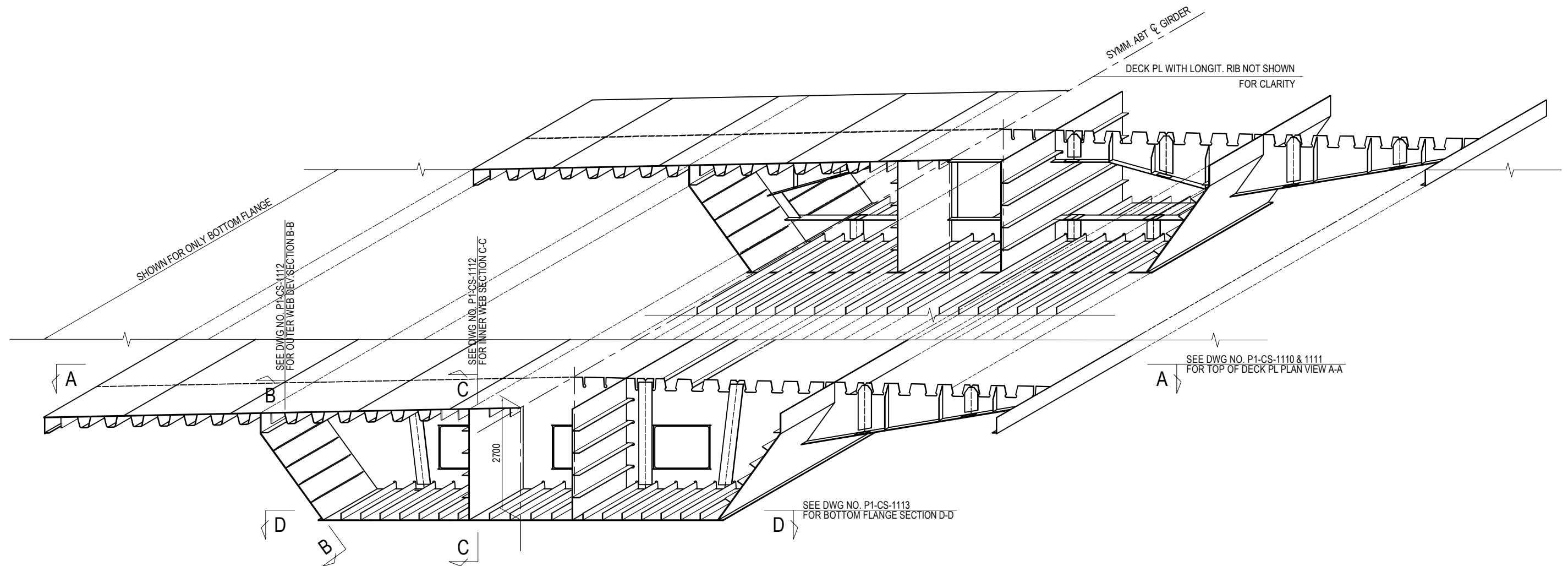


NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1101
 2 - SET DRAINAGE IN LOWER LONGITUDINAL GRADIENT SIDE

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER DETAIL FOR BOTTOM FLANGE (2)</h3>	PACKAGE 1 DWG No. P1-CS-1106
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

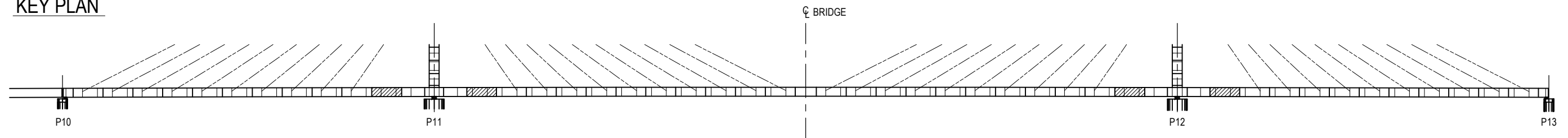
MAIN GIRDER LAYOUT AT ERECTION SEGMENT

SEGMENT NO.12,16,38 & 42 N.T.S.



NOTES:
 1 - DETAIL FOR DIAPHRAGM & CROSS FRAME
 SEE DWG NO. P1-CS-1107 & 1108.

KEY PLAN

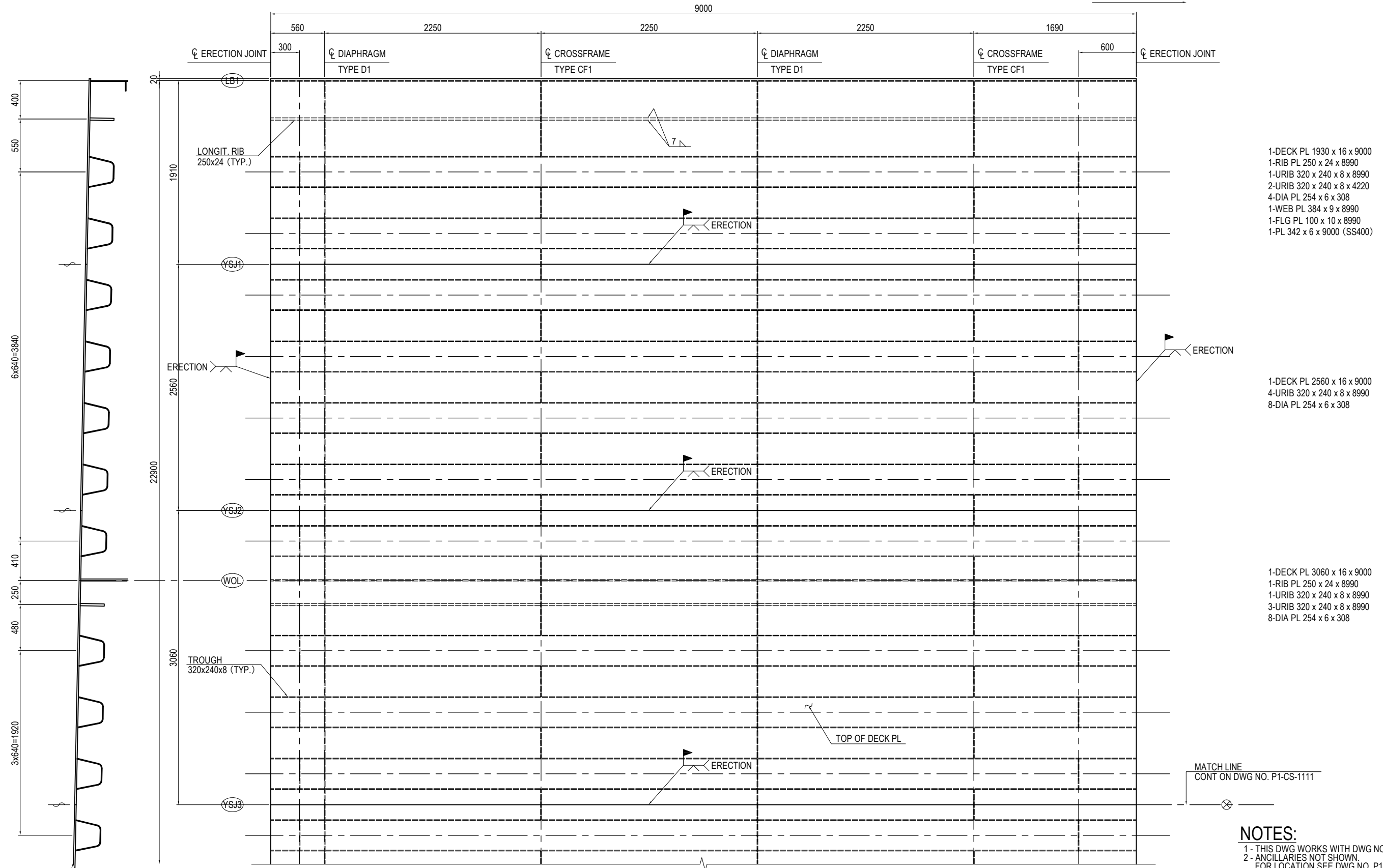


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER LAYOUT AT ERECTION SEGMENT (SEGMENT NO.12,16,38 & 42)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1109

MAIN GIRDER DETAIL FOR DECK PL (1) S=1:40

TOP OF DECK PL
PLAN VIEW A-A

TO ϕ MAIN TOWER



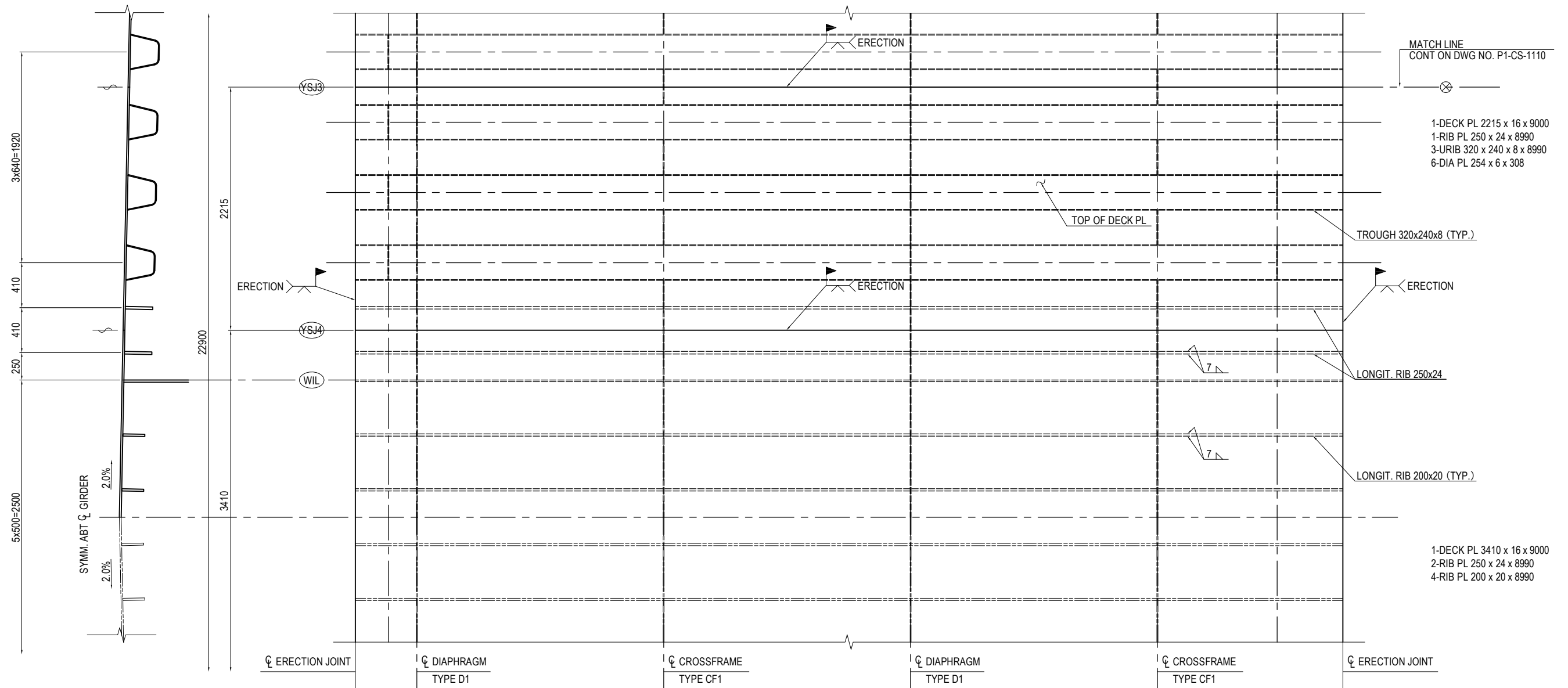
- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1109.
 - 2 - ANCILLARIES NOT SHOWN.
FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.
 - 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR DECK PL (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1110

MAIN GIRDER DETAIL FOR DECK PL (2) S=1:40

TOP OF DECK PL
PLAN VIEW A-A

TO ϕ MAIN TOWER



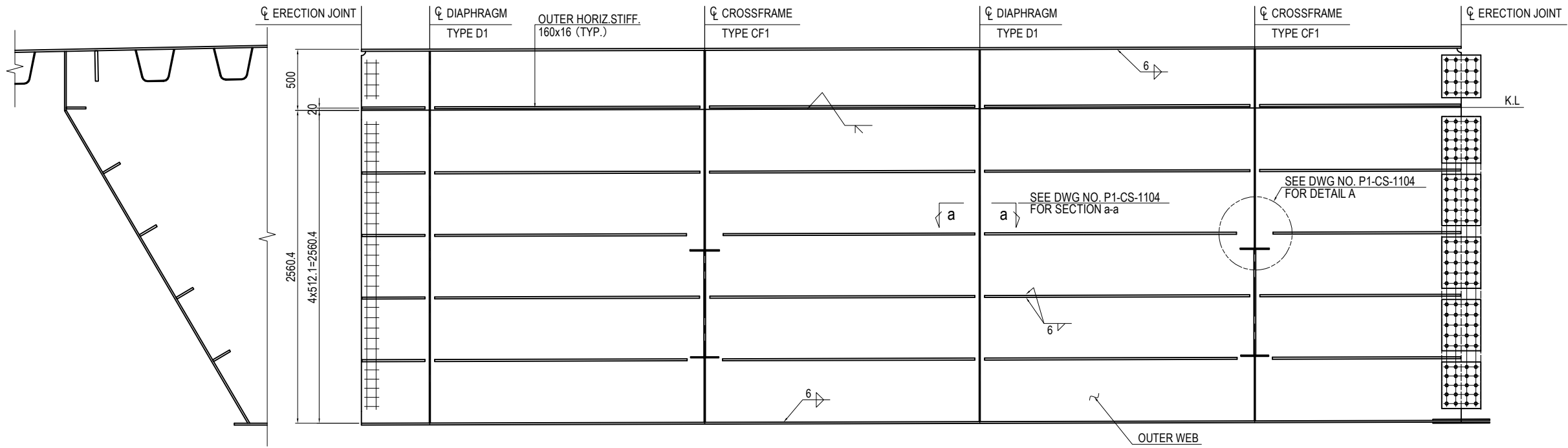
- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1109.
 - 2 - ANCILLARIES NOT SHOWN. FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.
 - 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR DECK PL (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1111

MAIN GIRDER DETAIL FOR OUTER & INNER WEB

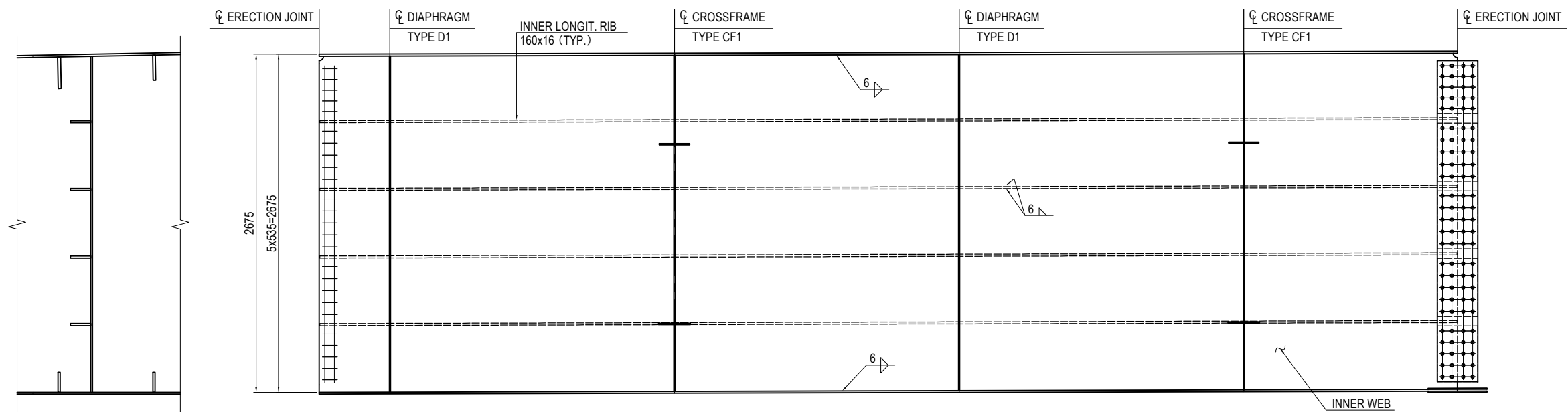
S=1:40

OUTER WEB DEV. SECTION B-B



- 1-WEB PL 484 x 14 x 9000 (SM490YA)
- 1-WEB PL 2560 x 14 x 9000 (SM490YA)
- 5-HSTIF PL 160 x 16 x 516 (SM490YA)
- 9-HSTIF PL 160 x 16 x 2171 (SM490YA)
- 3-HSTIF PL 160 x 16 x 2061 (SM490YA)
- 3-HSTIF PL 160 x 16 x 2066 (SM490YA)
- 3-HSTIF PL 160 x 16 x 1646 (SM490YA)
- 1-HSTIF PL 160 x 16 x 1535 (SM490YA)
- 1-HSTIF PL 160 x 16 x 1540 (SM490YA)

INNER WEB SECTION C-C



- 1-WEB PL 2659 x 14 x 9000 (SM490YA)
- 3-RIB PL 160 x 16 x 8990 (SM490YA)
- 1-RIB PL 160 x 16 x 2680 (SM490YA)
- 1-RIB PL 160 x 16 x 4250 (SM490YA)
- 1-RIB PL 160 x 16 x 1560 (SM490YA)

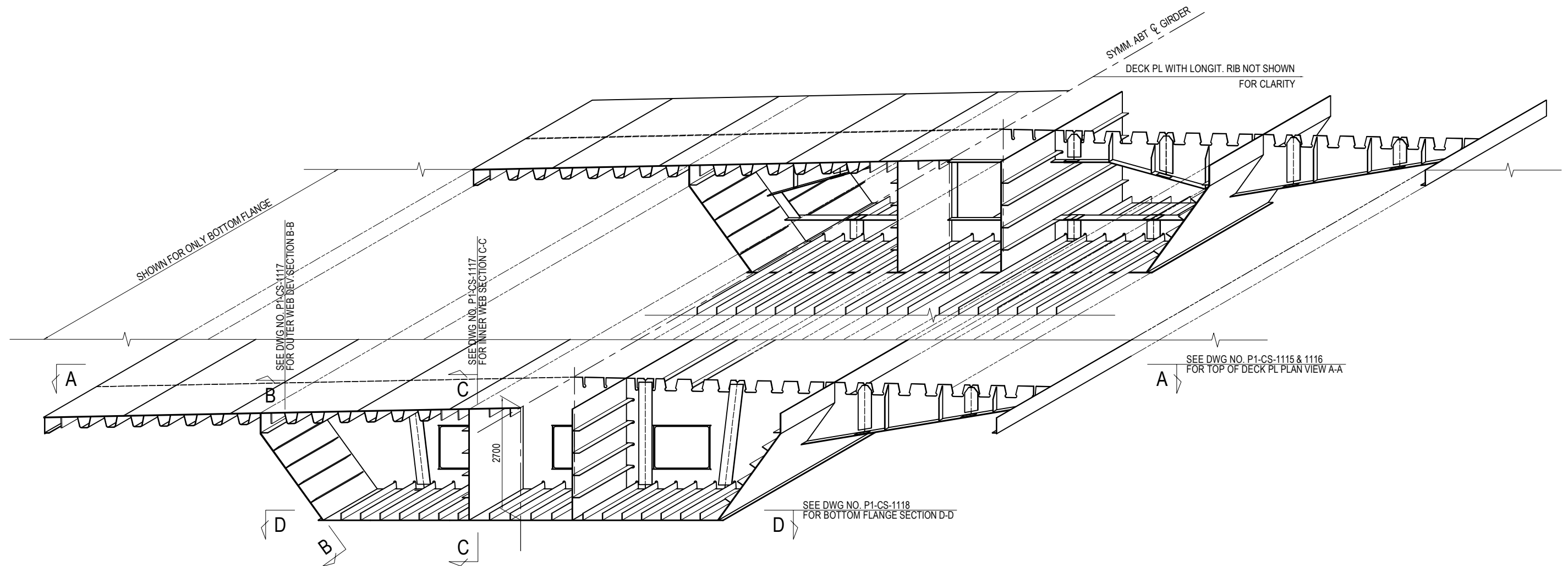
NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1109.
- 2 - ANCILLARIES NOT SHOWN.
FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR OUTER & INNER WEB	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1112

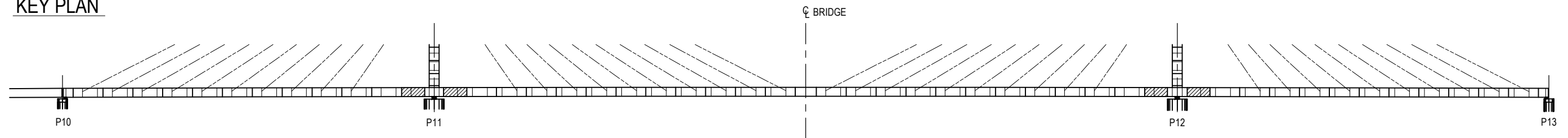
MAIN GIRDER LAYOUT AT ERECTION SEGMENT

SEGMENT NO.13,15,39 & 41 N.T.S.



NOTES:
 1 - DETAIL FOR DIAPHRAGM & CROSSFRAME
 SEE DWG NO. P1-CS-1107 & 1108.

KEY PLAN

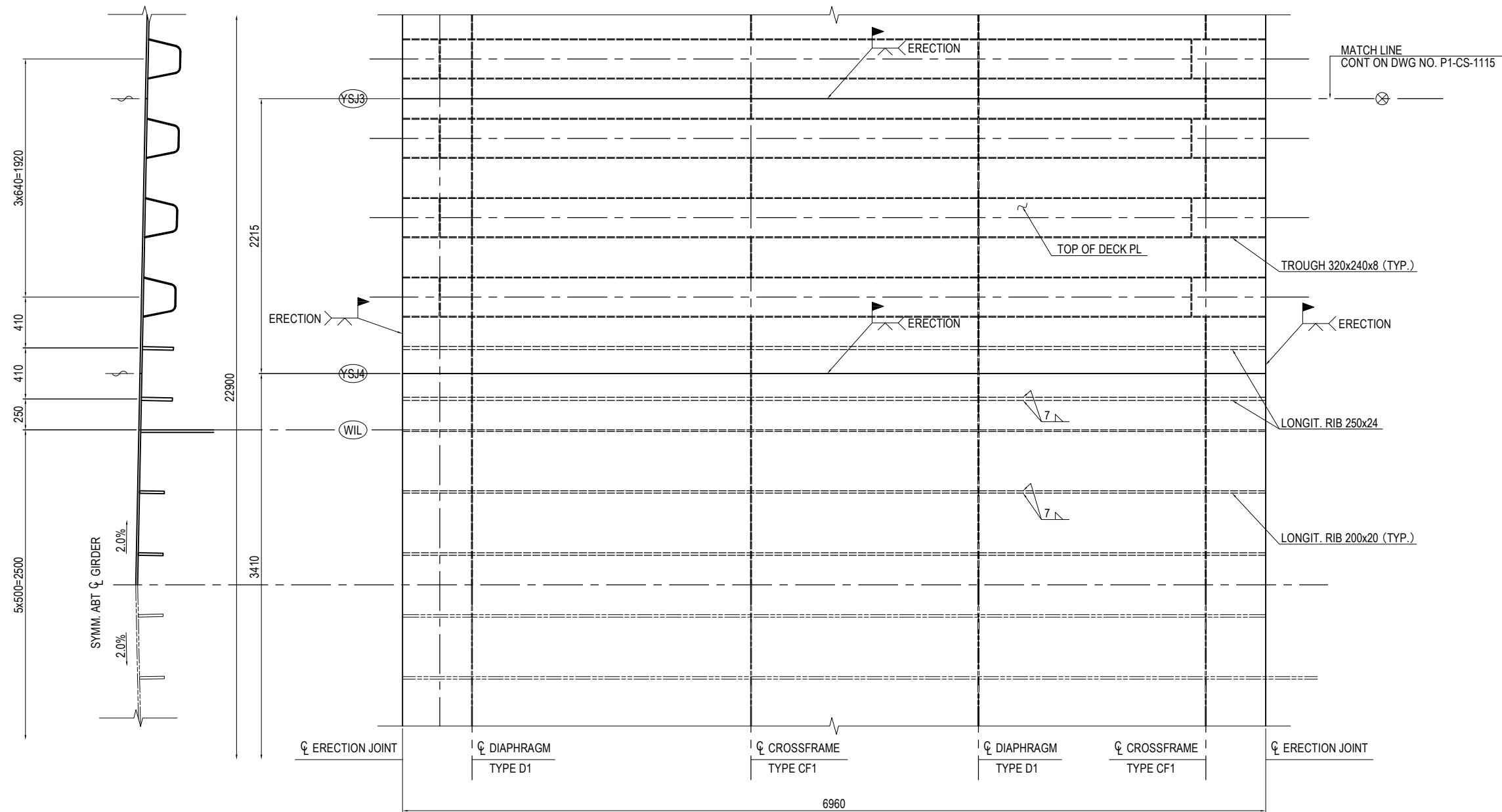


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER LAYOUT AT ERECTION SEGMENT (SEGMENT NO.13,15,39 & 41)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1114

MAIN GIRDER DETAIL FOR DECK PL (2) S=1:40

TOP OF DECK PL
PLAN VIEW A-A

TO CL MAIN TOWER



- 1-DECK PL 2215 x 16 x 6960
- 1-RIB PL 250 x 24 x 6950
- 3-URIB 320 x 240 x 8 x 6950
- 6-DIA PL 254 x 6 x 308

- 1-DECK PL 3410 x 16 x 6960
- 2-RIB PL 250 x 24 x 6950
- 4-RIB PL 200 x 20 x 6950

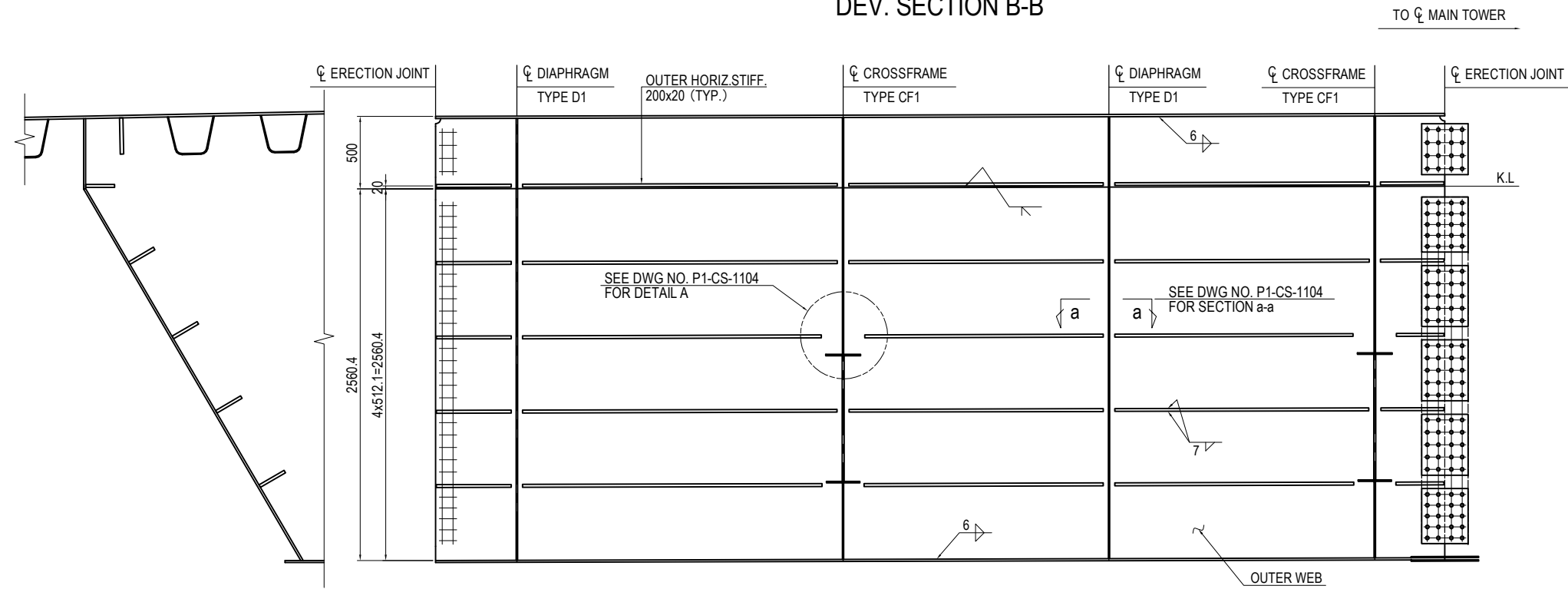
NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1114.
 2 - ANCILLARIES NOT SHOWN.
 FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.
 3 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR DECK PL (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1116

MAIN GIRDER DETAIL FOR OUTER & INNER WEB

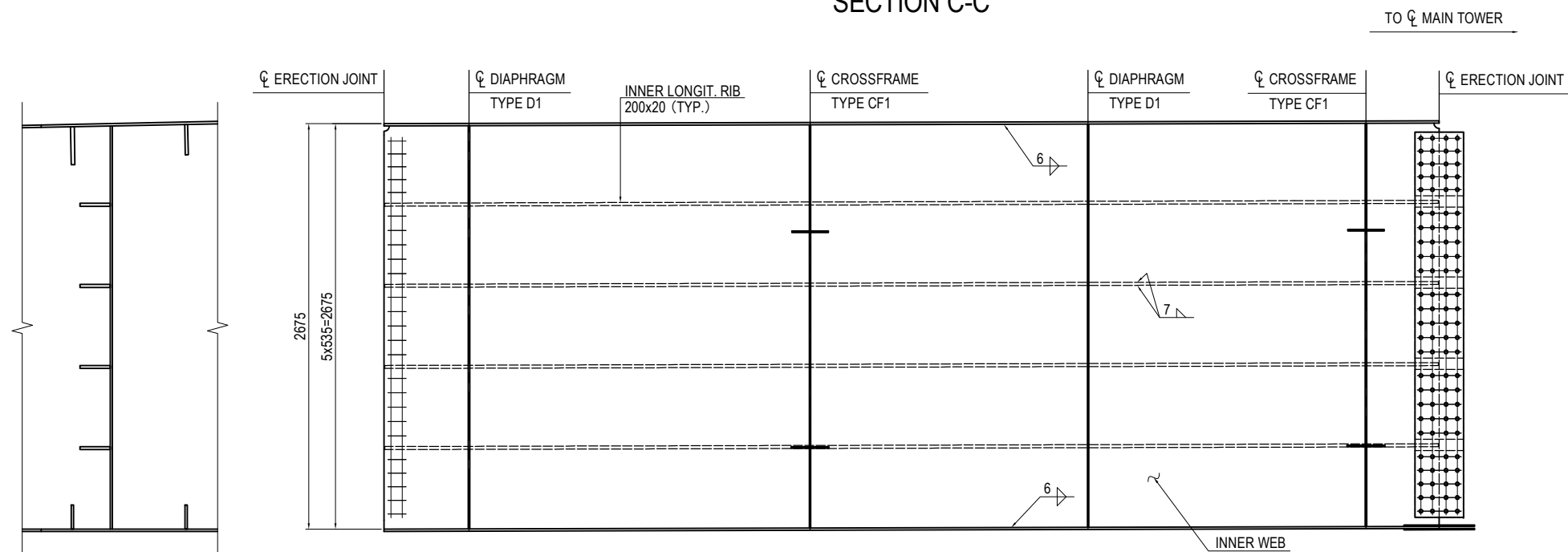
S=1:40

OUTER WEB DEV. SECTION B-B



- 1-WEB PL 484 x 17 x 6960 (SM490YB)
- 1-WEB PL 2560 x 17 x 6960 (SM490YB)
- 5-HSTIF PL 200 x 20 x 516 (SM490YB)
- 3-HSTIF PL 200 x 20 x 2171 (SM490YB)
- 6-HSTIF PL 200 x 20 x 1754 (SM490YB)
- 1-HSTIF PL 200 x 20 x 2061 (SM490YB)
- 2-HSTIF PL 200 x 20 x 1644 (SM490YB)
- 1-HSTIF PL 200 x 20 x 2066 (SM490YB)
- 2-HSTIF PL 200 x 20 x 1649 (SM490YB)
- 3-HSTIF PL 200 x 20 x 439 (SM490YB)
- 1-HSTIF PL 200 x 20 x 328 (SM490YB)
- 1-HSTIF PL 200 x 20 x 333 (SM490YB)

INNER WEB SECTION C-C



- 1-WEB PL 2659 x 18 x 6960 (SM490YB)
- 3-RIB PL 200 x 20 x 6950 (SM490YB)
- 1-RIB PL 200 x 20 x 2680 (SM490YB)
- 1-RIB PL 200 x 20 x 4260 (SM490YB)
- 1-RIB PL 200 x 20 x 1560 (SM490YB)

NOTES:

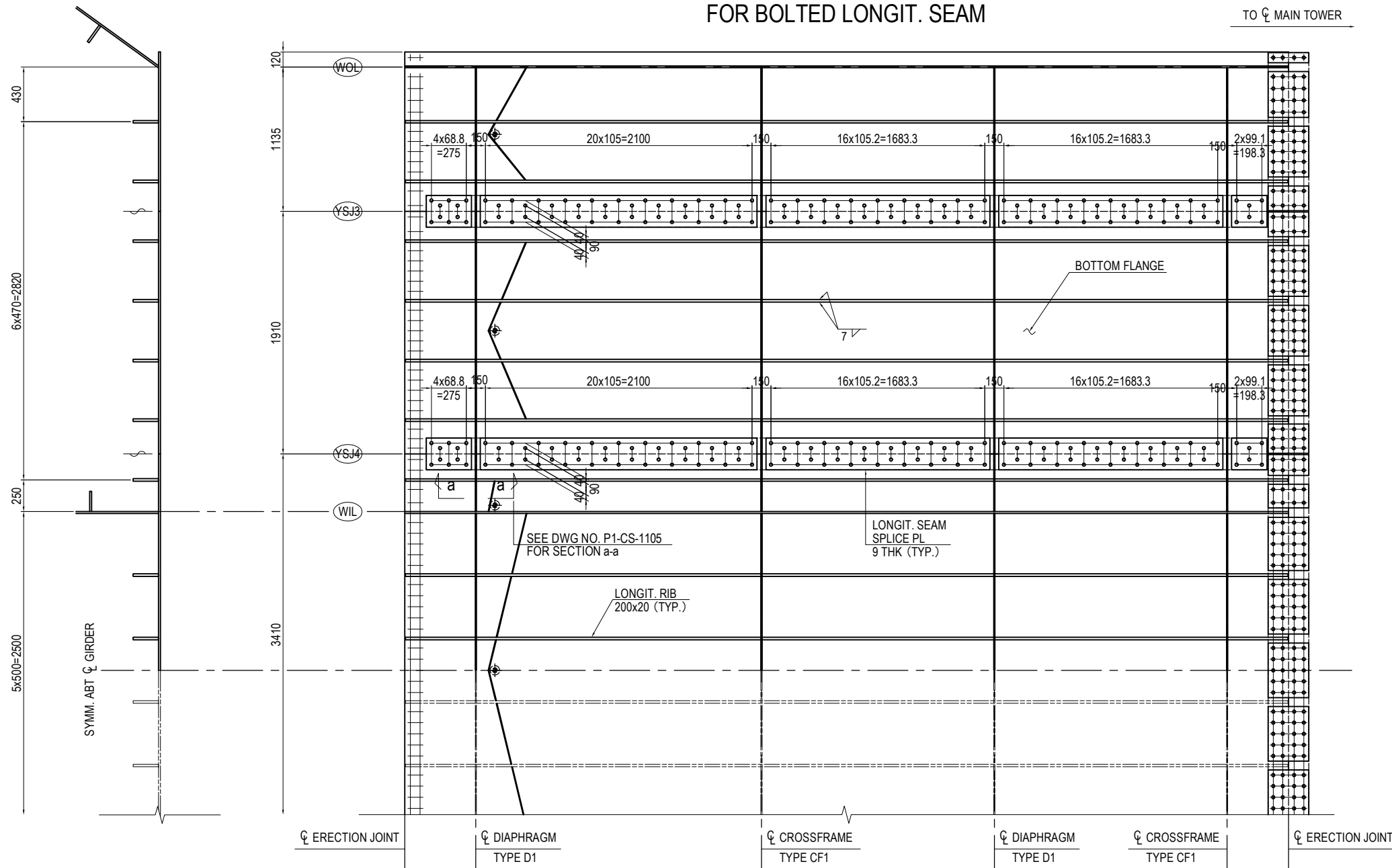
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1114.
- 2 - ANCILLARIES NOT SHOWN.
FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR OUTER & INNER WEB	PACKAGE
				PREPARED BY T. TOMODA				1
				CHECKED BY T. HAYAKAWA			DWG No.	
				APPROVED BY Y. SANO			P1-CS-1117	

MAIN GIRDER DETAIL FOR BOTTOM FLANGE S=1:40

BOTTOM FLANGE SECTION D-D FOR BOLTED LONGIT. SEAM

TO ϕ MAIN TOWER



1-FLG PL 1255 x 15 x 6960 (SM490YA)
2-RIB PL 200 x 20 x 6950 (SM490YB)

1-SPL PL 250 x 9 x 355 (SM490YA)
1-SPL PL 250 x 9 x 2180 (SM490YA)
2-SPL PL 250 x 9 x 1763 (SM490YA)
1-SPL PL 250 x 9 x 278 (SM490YA)
1-SPL PL 250 x 9 x 385 (SM490YA)
1-SPL PL 250 x 9 x 4073 (SM490YA)
1-SPL PL 250 x 9 x 2142 (SM490YA)
126-TCB M22 x 70 (S10T)

1-FLG PL 1910 x 15 x 6960 (SM490YA)
4-RIB PL 200 x 20 x 6950 (SM490YB)

1-SPL PL 250 x 9 x 355 (SM490YA)
1-SPL PL 250 x 9 x 2180 (SM490YA)
2-SPL PL 250 x 9 x 1763 (SM490YA)
1-SPL PL 250 x 9 x 278 (SM490YA)
1-SPL PL 250 x 9 x 385 (SM490YA)
1-SPL PL 250 x 9 x 4073 (SM490YA)
1-SPL PL 250 x 9 x 2142 (SM490YA)
126-TCB M22 x 70 (S10T)

1-FLG PL 3410 x 15 x 6960 (SM490YA)
6-RIB PL 200 x 20 x 6950 (SM490YB)

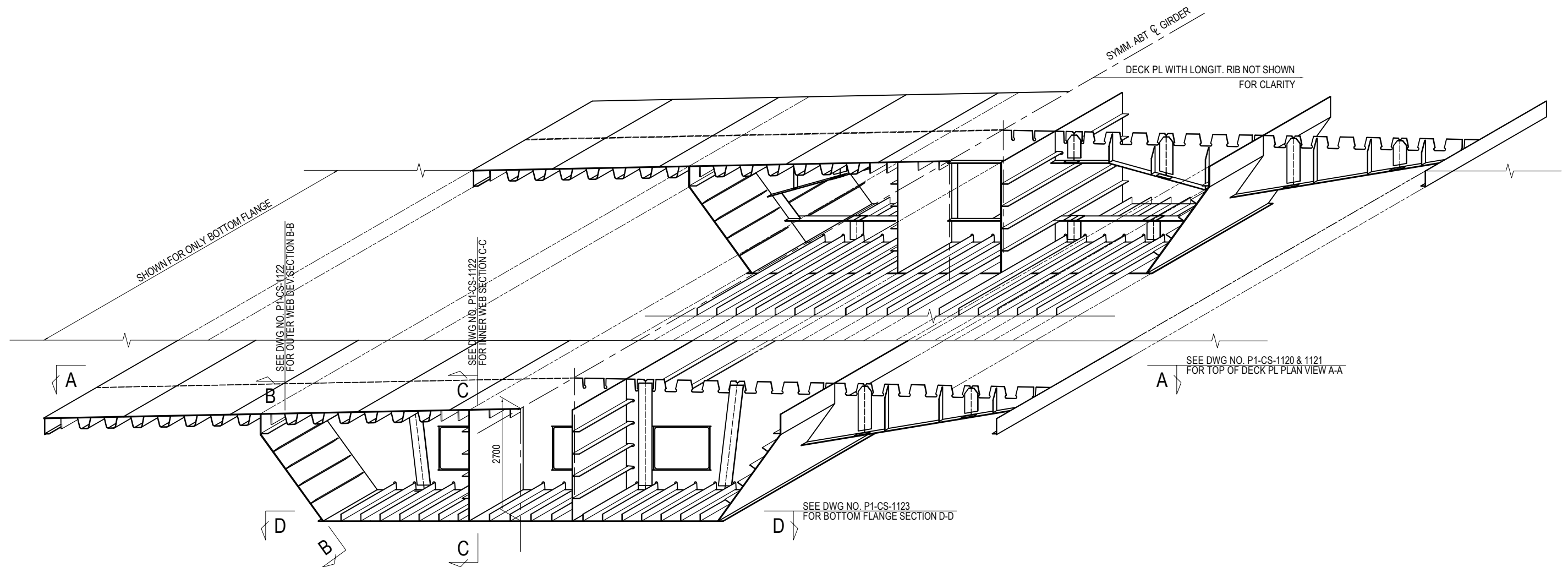
NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1114.
- 2 - SET DRAINAGE IN LOWER LONGITUDINAL GRADIENT SIDE.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR BOTTOM FLANGE	PACKAGE 1 DWG No. P1-CS-1118
				PREPARED BY				
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

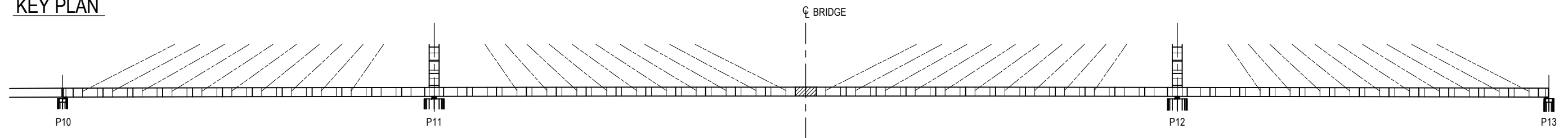
MAIN GIRDER LAYOUT AT ERECTION SEGMENT

SEGMENT NO.27 N.T.S.



NOTES:
 1 - DETAIL FOR DIAPHRAGM & CROSSFRAME
 SEE DWG NO. P1-CS-1107 & 1108.

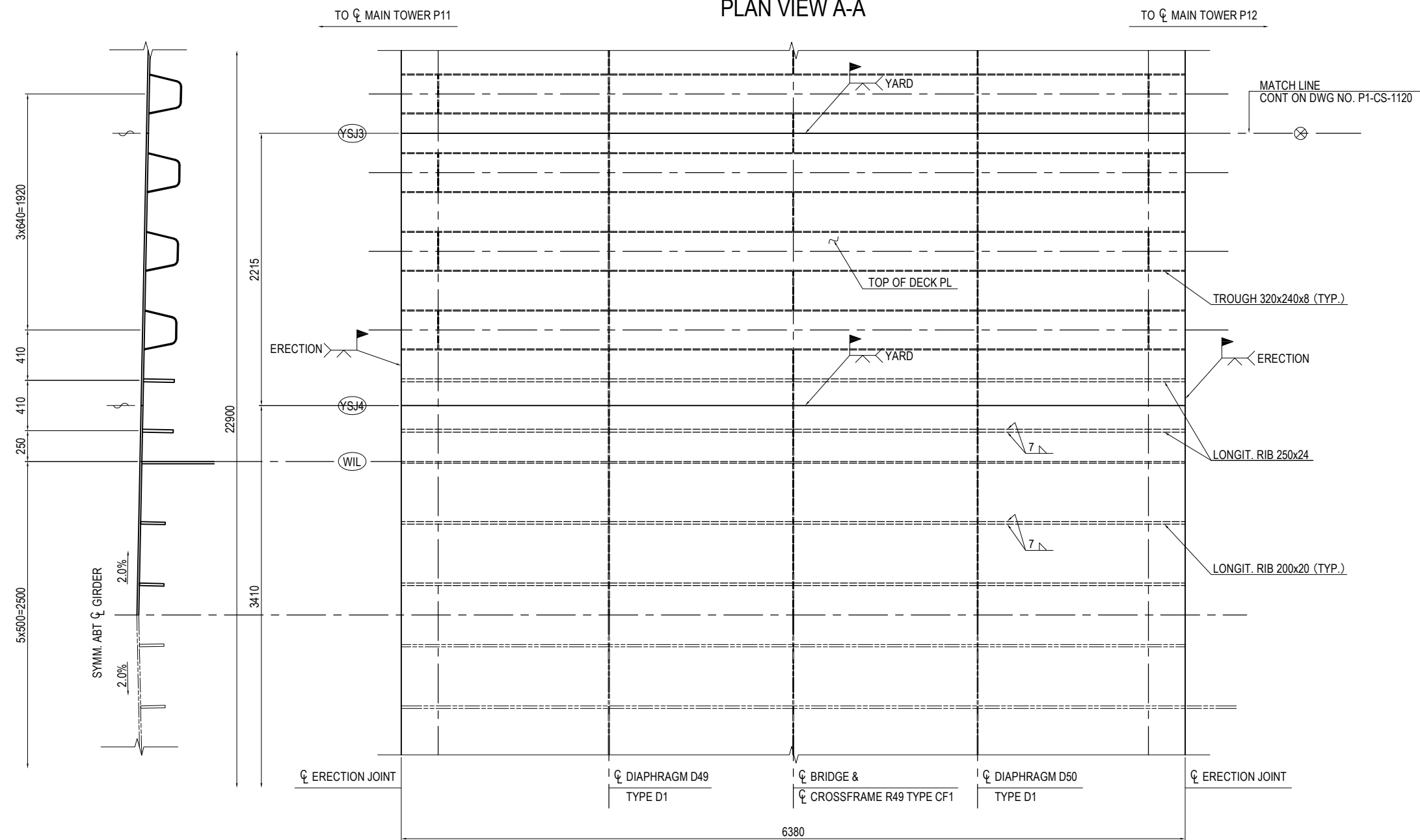
KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER LAYOUT AT ERECTION SEGMENT (SEGMENT NO.27)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1119

MAIN GIRDER DETAIL FOR DECK PL (2) S=1:40

TOP OF DECK PL PLAN VIEW A-A



- 1-DECK PL 2215 x 16 x 6380
- 1-RIB PL 250 x 24 x 6370
- 3-URIB 320 x 240 x 8 x 6370
- 6-DIA PL 254 x 6 x 308

- 1-DECK PL 3410 x 16 x 6380
- 2-RIB PL 250 x 24 x 6370
- 4-RIB PL 200 x 20 x 6370

NOTES:

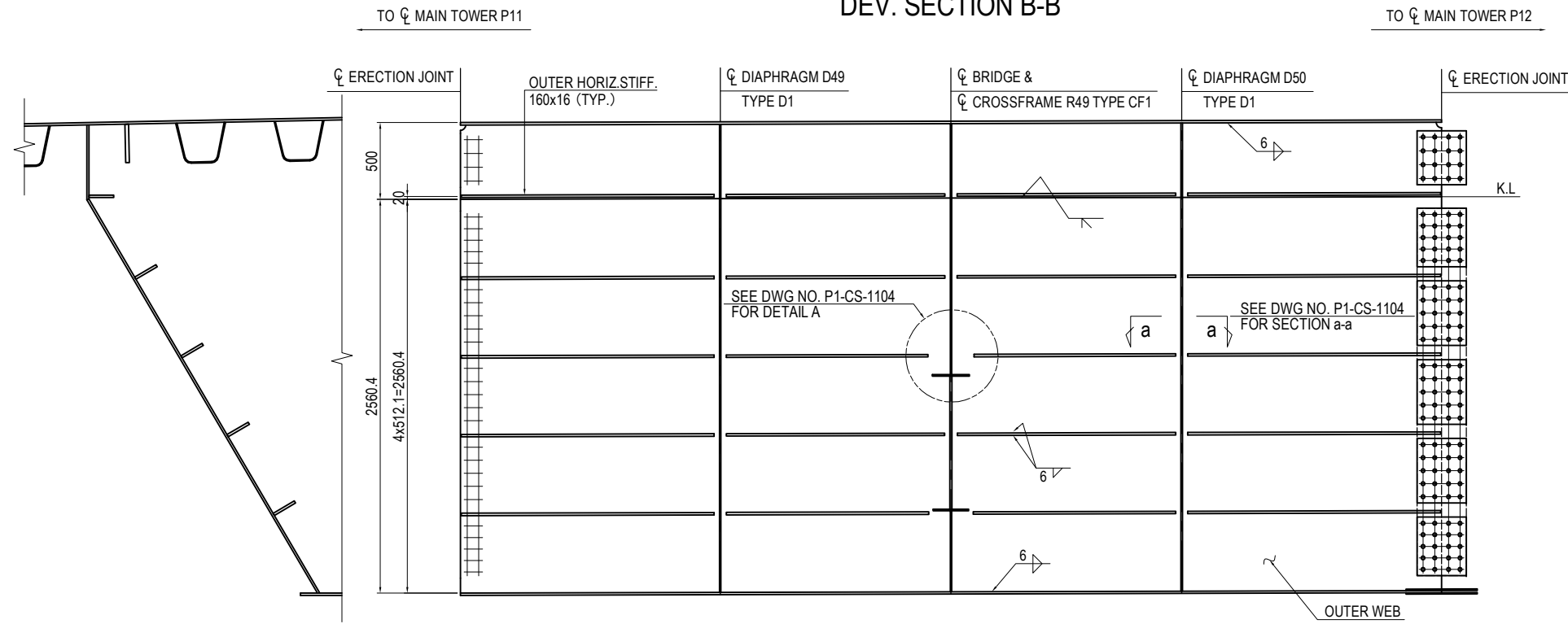
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1119.
- 2 - ANCILLARIES NOT SHOWN.
FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR DECK PL (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1121

MAIN GIRDER DETAIL FOR OUTER & INNER WEB

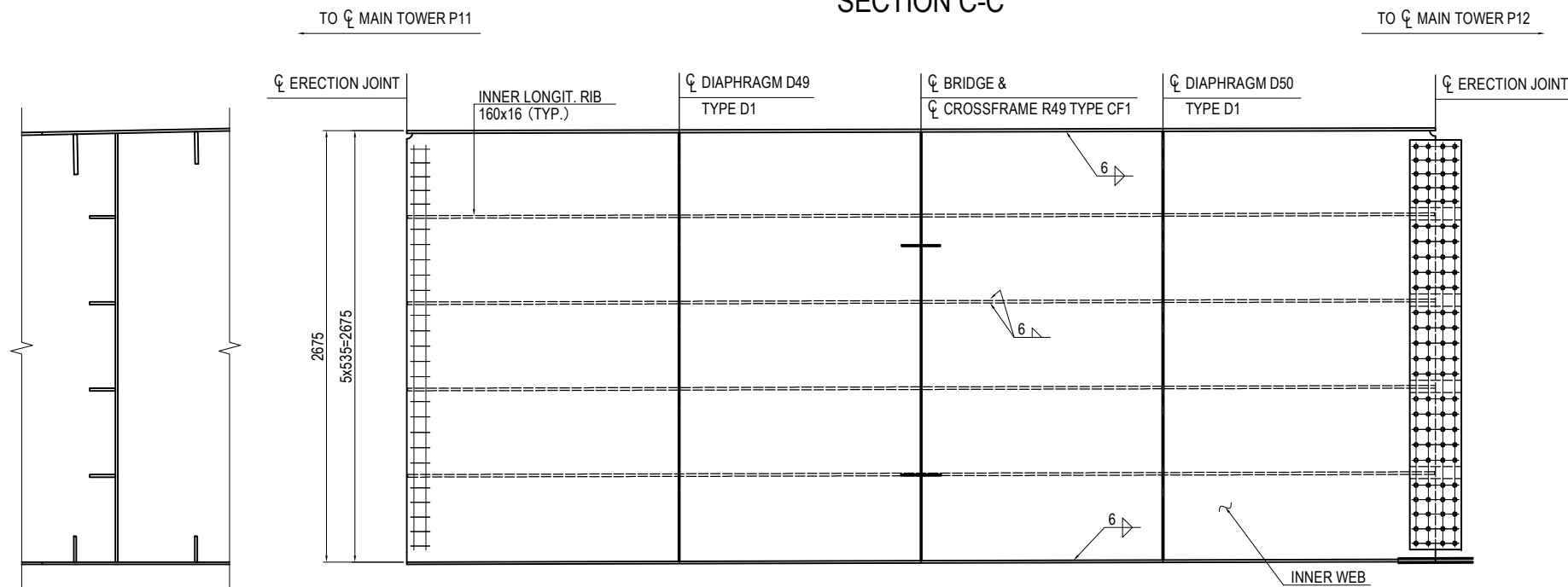
S=1:40

OUTER WEB DEV. SECTION B-B



- 1-WEB PL 484 x 14 x 6380 (SM490YA)
- 1-WEB PL 2560 x 14 x 6380 (SM490YA)
- 10-HSTIF PL 160 x 16 x 1646 (SM490YA)
- 6-HSTIF PL 160 x 16 x 1421 (SM490YA)
- 2-HSTIF PL 160 x 16 x 1311 (SM490YA)
- 2-HSTIF PL 160 x 16 x 1316 (SM490YA)

INNER WEB SECTION C-C



- 1-WEB PL 2659 x 14 x 6380 (SM490YA)
- 3-RIB PL 160 x 16 x 6370 (SM490YA)
- 2-RIB PL 160 x 16 x 3060 (SM490YA)

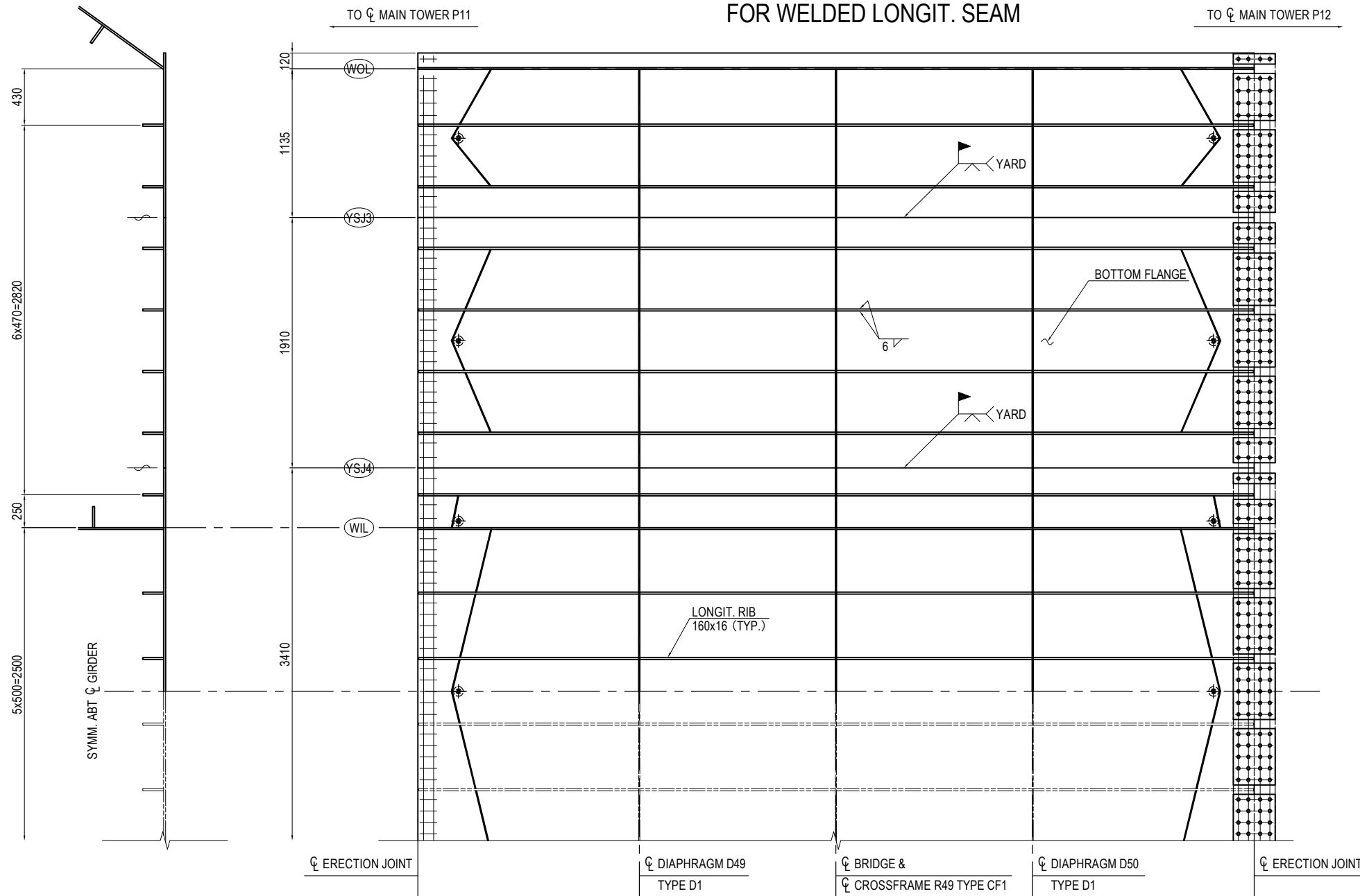
NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1119.
- 2 - ANCILLARIES NOT SHOWN.
FOR LOCATION SEE DWG NO. P1-CS-1020 TO 1028.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR OUTER & INNER WEB	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1122

MAIN GIRDER DETAIL FOR BOTTOM FLANGE S=1:40

BOTTOM FLANGE SECTION D-D FOR WELDED LONGIT. SEAM



1-FLG PL 1255 x 11 x 6380 (SM490YA)
2-RIB PL 160 x 16 x 6370 (SM490YA)

1-FLG PL 1910 x 11 x 6380 (SM490YA)
4-RIB PL 160 x 16 x 6370 (SM490YA)

1-FLG PL 3410 x 11 x 6380 (SM490YA)
6-RIB PL 160 x 16 x 6370 (SM490YA)

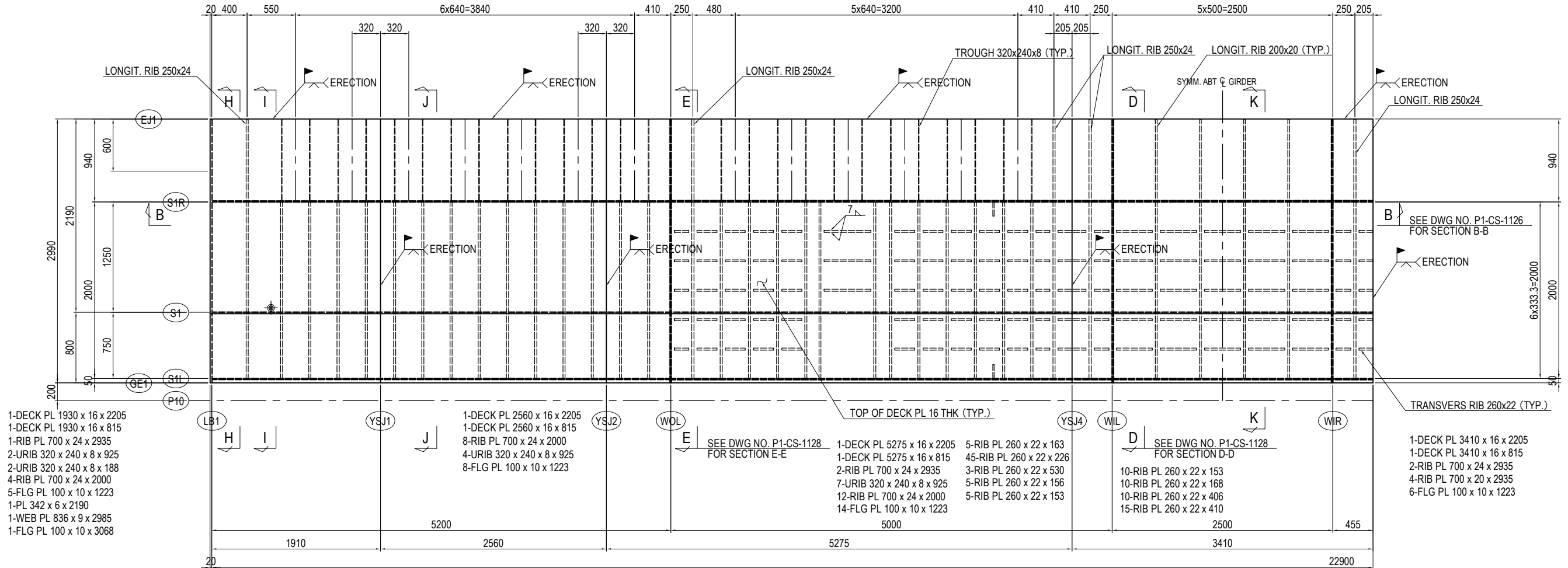
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1119.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER DETAIL FOR BOTTOM FLANGE	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1123

MAIN GIRDER END CROSS BEAM (1) S=1:50

TOP OF DECK PL

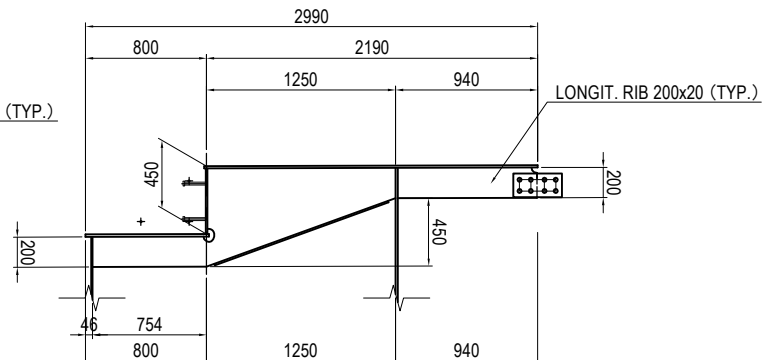
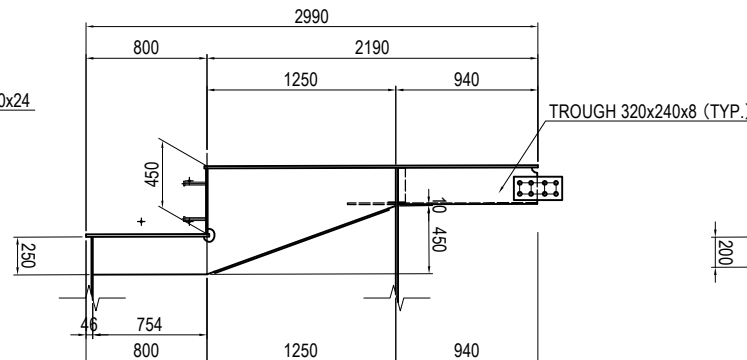
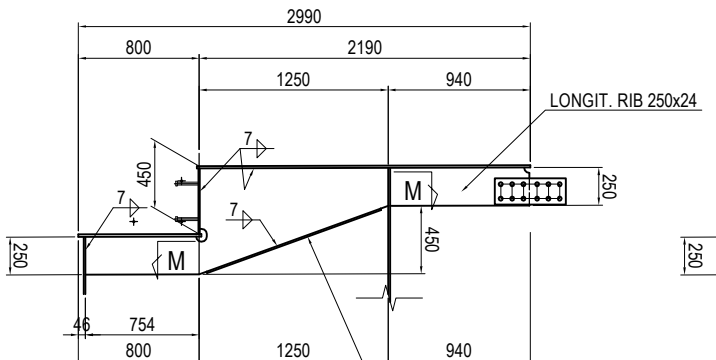
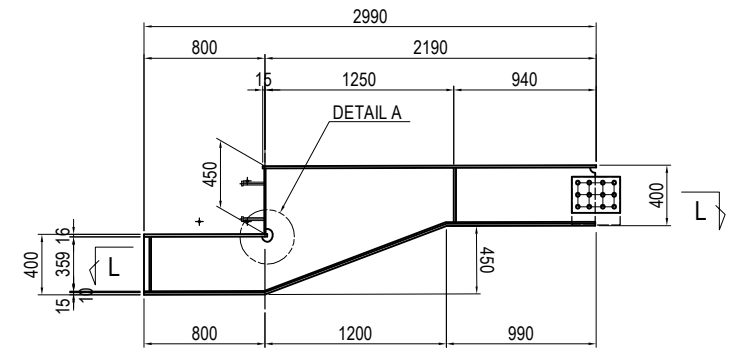


SECTION H-H

SECTION I-I

SECTION J-J

SECTION K-K

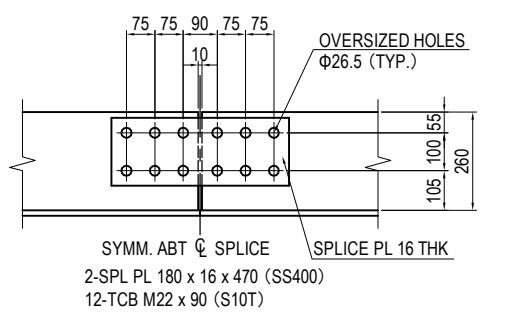
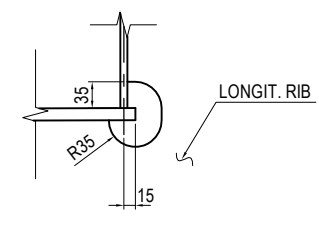
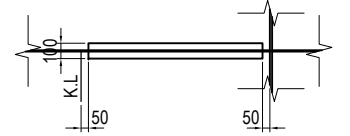
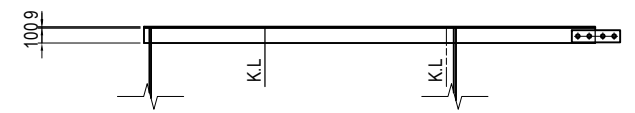


SECTION L-L

SECTION M-M

DETAIL A S=1:10

SPLICE DETAIL S=1:20



NOTES:
1 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER END CROSS BEAM (1)	PACKAGE 1 DWG No. P1-CS-1124
				PREPARED BY	T. TOMODA			
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

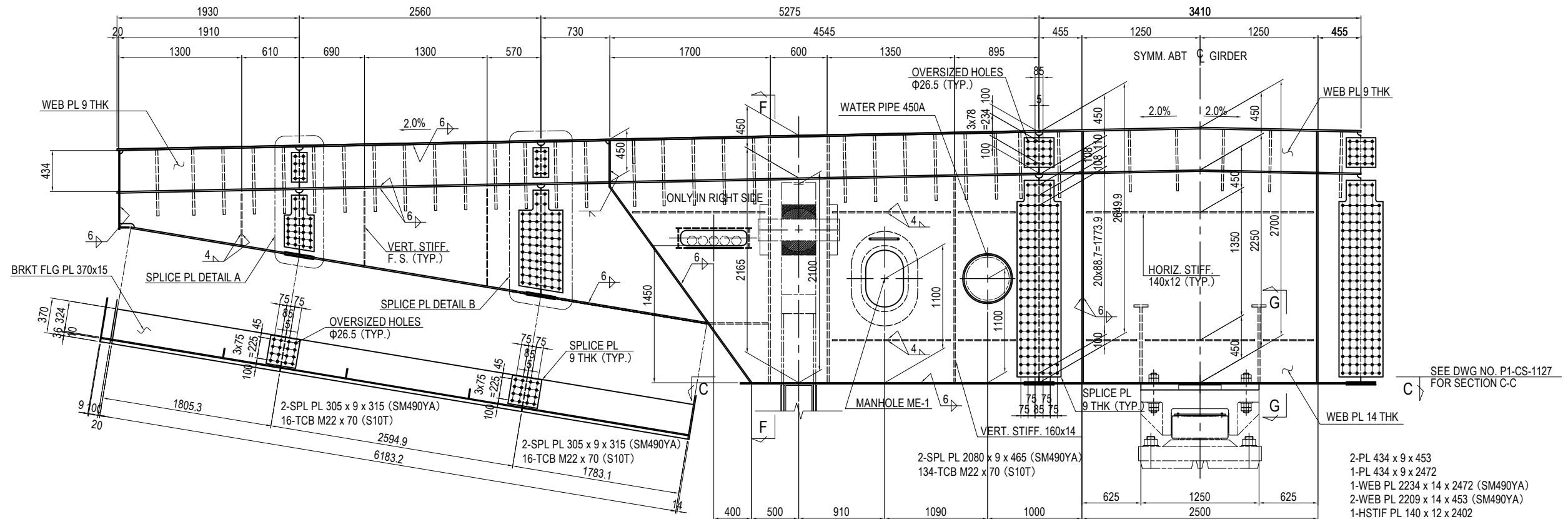
MAIN GIRDER END CROSS BEAM (2) S=1:50

END CROSS BEAM SECTION DEV. SECTION A-A

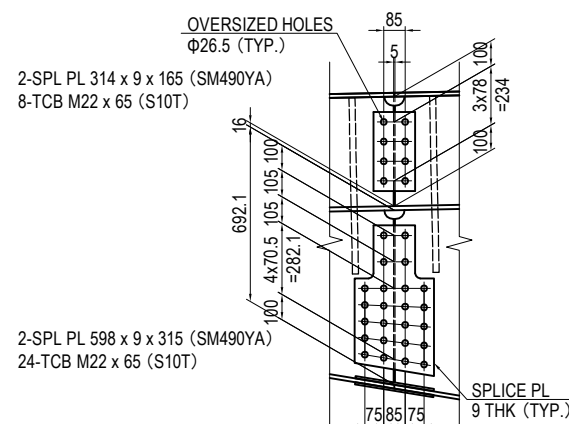
- 1-PL 434 x 9 x 1896
- 1-WEB PL 692 x 10 x 1899 (SM490YA)
- 1-FLG PL 370 x 15 x 1803 (SM490YA)
- 1-STIF PL 100 x 9 x 544

- 1-PL 434 x 9 x 2555
- 1-WEB PL 1167 x 10 x 2555 (SM490YA)
- 1-FLG PL 370 x 15 x 2590 (SM490YA)
- 1-STIF PL 100 x 9 x 785
- 1-STIF PL 100 x 9 x 1026

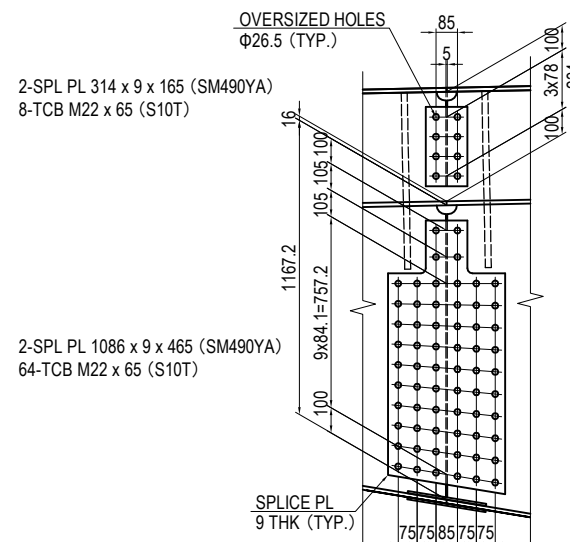
- 2-SPL PL 314 x 9 x 315 (SM490YA)
- 16-TCB M22 x 65 (S10T)



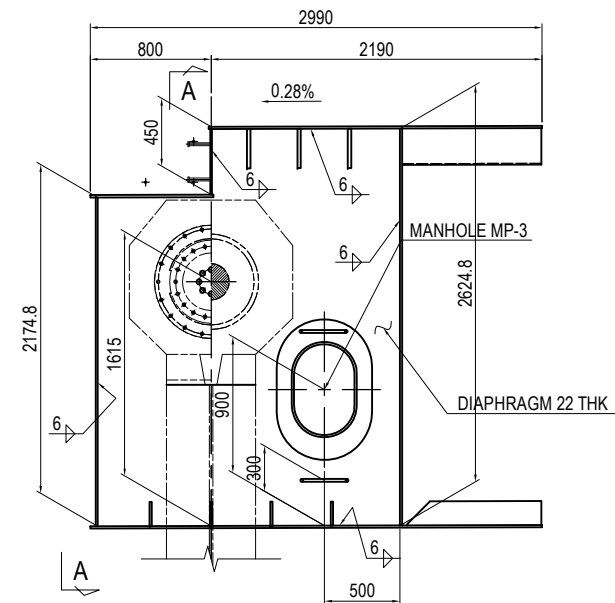
SPLICE PL DETAIL A S=1:30



SPLICE PL DETAIL B S=1:30



SECTION F-F



NOTES:
1 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

- 1-WEB PL 1473 x 10 x 1757 (SM490YA)
- 1-FLG PL 370 x 15 x 1781 (SM490YA)
- 1-WEB PL 2200 x 14 x 4538 (SM490YA)
- 1-HSTIF PL 140 x 12 x 1403
- 2-HSTIF PL 140 x 12 x 1251
- 2-HSTIF PL 140 x 12 x 601
- 1-VSTIF PL 160 x 14 x 2182
- 1-PL 100 x 10 x 1615 (SM490YA)
- 1-PL 324 x 15 x 630 (SM490YA)
- 1-DIA PL 2000 x 22 x 2593 (SM490YB)
- 1-DIA PL 2000 x 22 x 2605 (SM490YB)

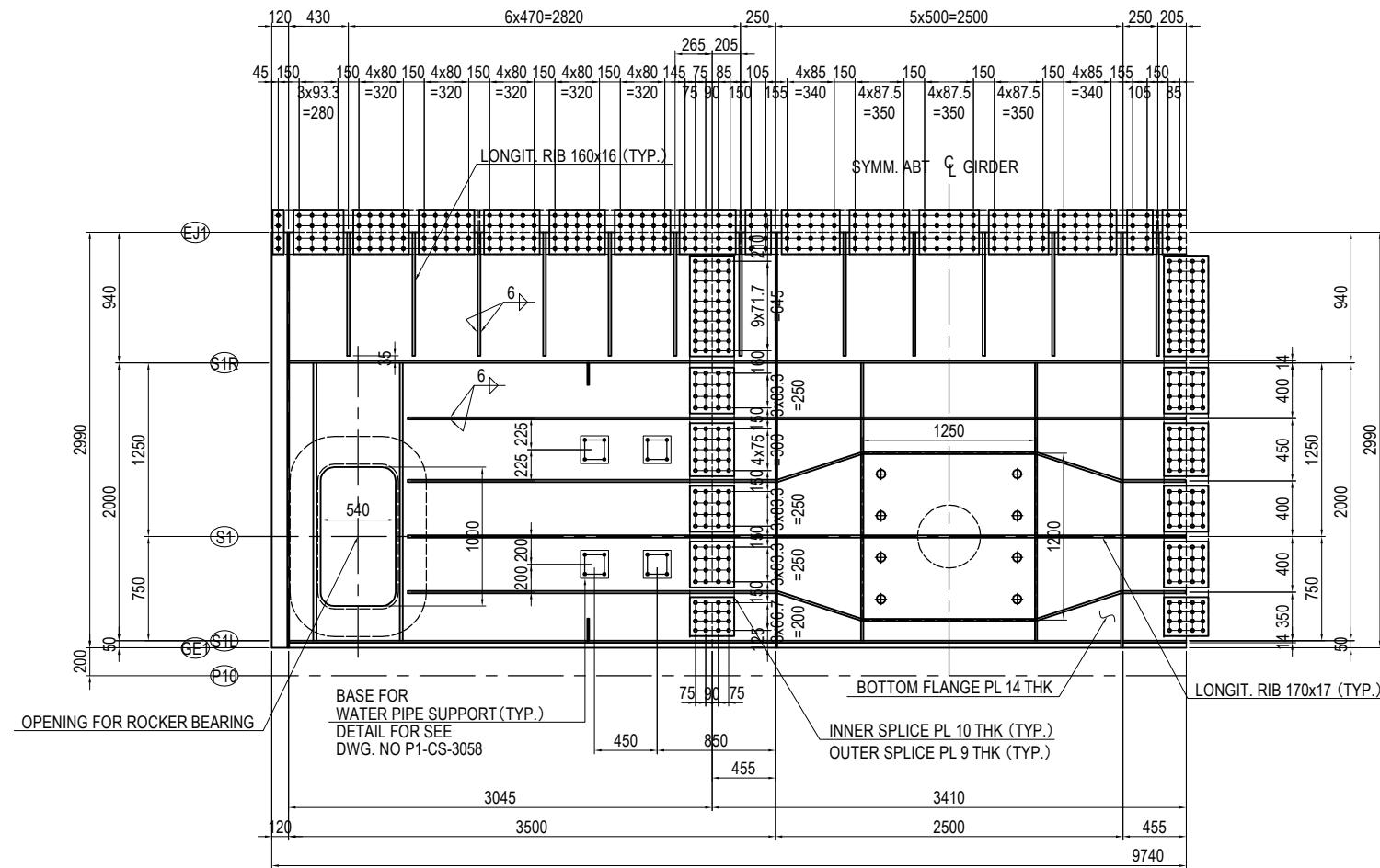
- 2-PL 434 x 9 x 453
- 1-PL 434 x 9 x 2472
- 1-WEB PL 2234 x 14 x 2472 (SM490YA)
- 2-WEB PL 2209 x 14 x 453 (SM490YA)
- 1-HSTIF PL 140 x 12 x 2402
- 2-HSTIF PL 140 x 12 x 530
- 1-HSTIF PL 140 x 12 x 1158

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER END CROSS BEAM (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1125

MAIN GIRDER END CROSS BEAM (4)

S=1:50

BOTTOM FLANGE SECTION C-C

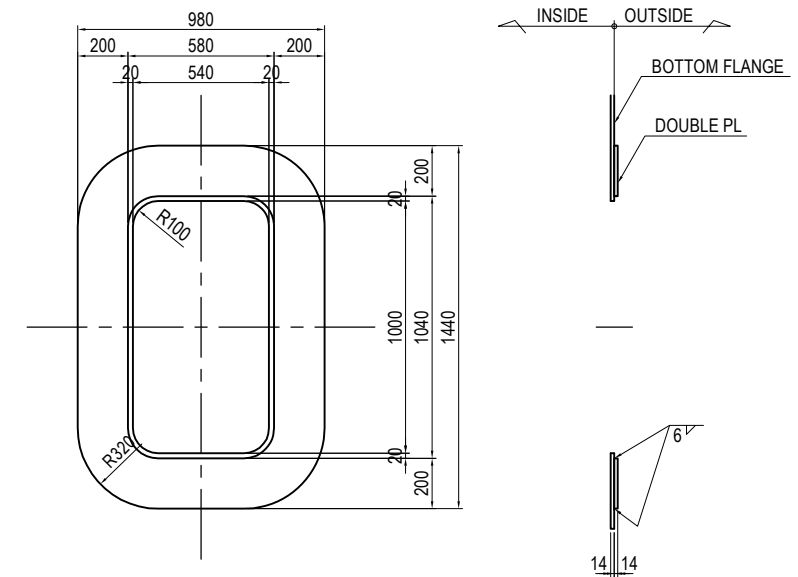


- 1-FLG PL 3165 x 14 x 2990 (SM490YA)
- 6-RIB PL 160 x 16 x 886 (SM490YA)
- 4-RIB PL 160 x 16 x 2183 (SM490YA)
- 1-PL 980 x 14 x 1440 (SM490YA)

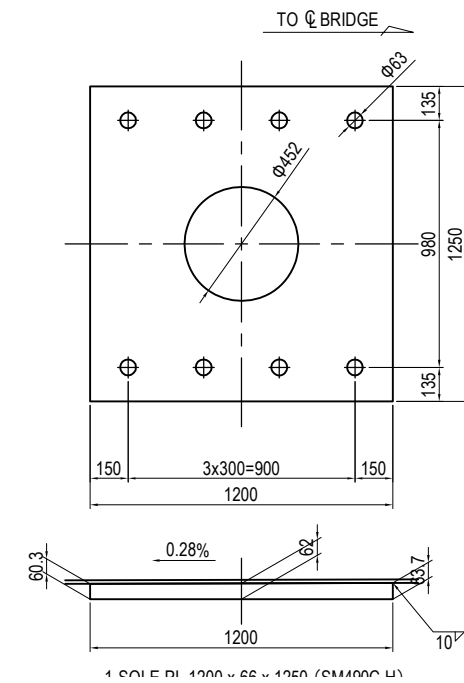
- 1-SPL PL 2735 x 9 x 320 (SM490YA)
- 1-SPL PL 280 x 10 x 320 (SM490YA)
- 3-SPL PL 330 x 10 x 320 (SM490YA)
- 1-SPL PL 380 x 10 x 320 (SM490YA)
- 1-SPL PL 725 x 10 x 320 (SM490YA)
- 124-TCB M22 x 70 (S10T)

- 1-FLG PL 3410 x 14 x 2990 (SM490YA)
- 6-RIB PL 160 x 16 x 886 (SM490YA)
- 2-RIB PL 160 x 16 x 3400 (SM490YA)
- 2-RIB PL 160 x 16 x 3469 (SM490YA)

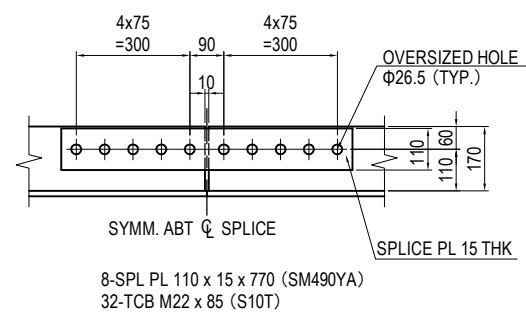
DOUBLING PL DETAIL S=1:30



SOLE PL DETAIL S=1:30



SPLICE DETAIL S=1:20

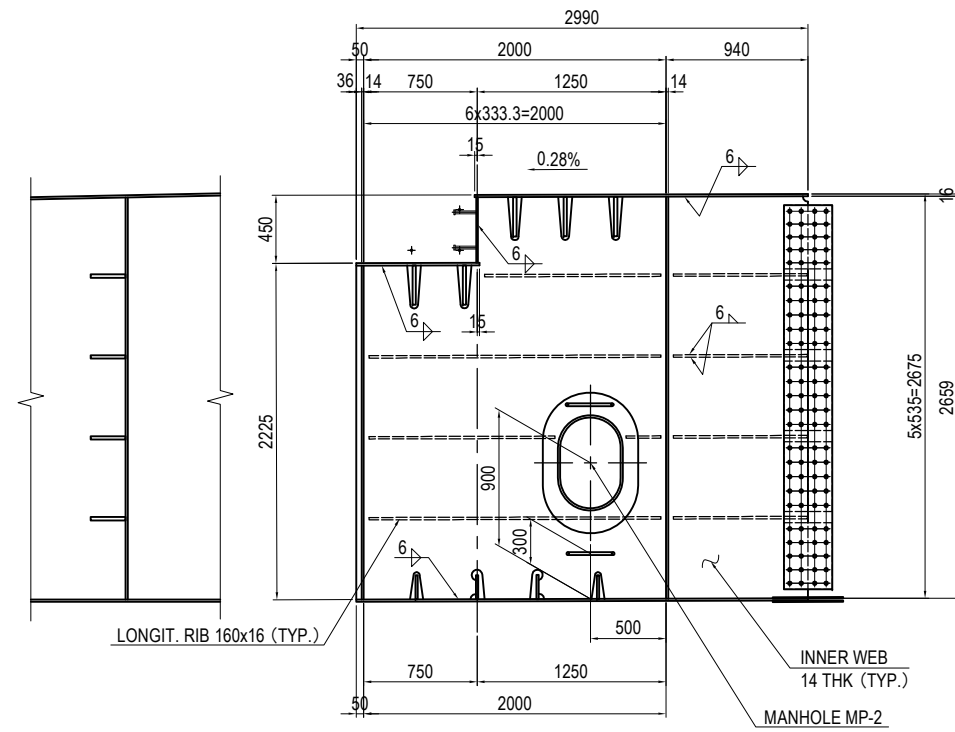


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER END CROSS BEAM (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1127

MAIN GIRDER END CROSS BEAM (5)

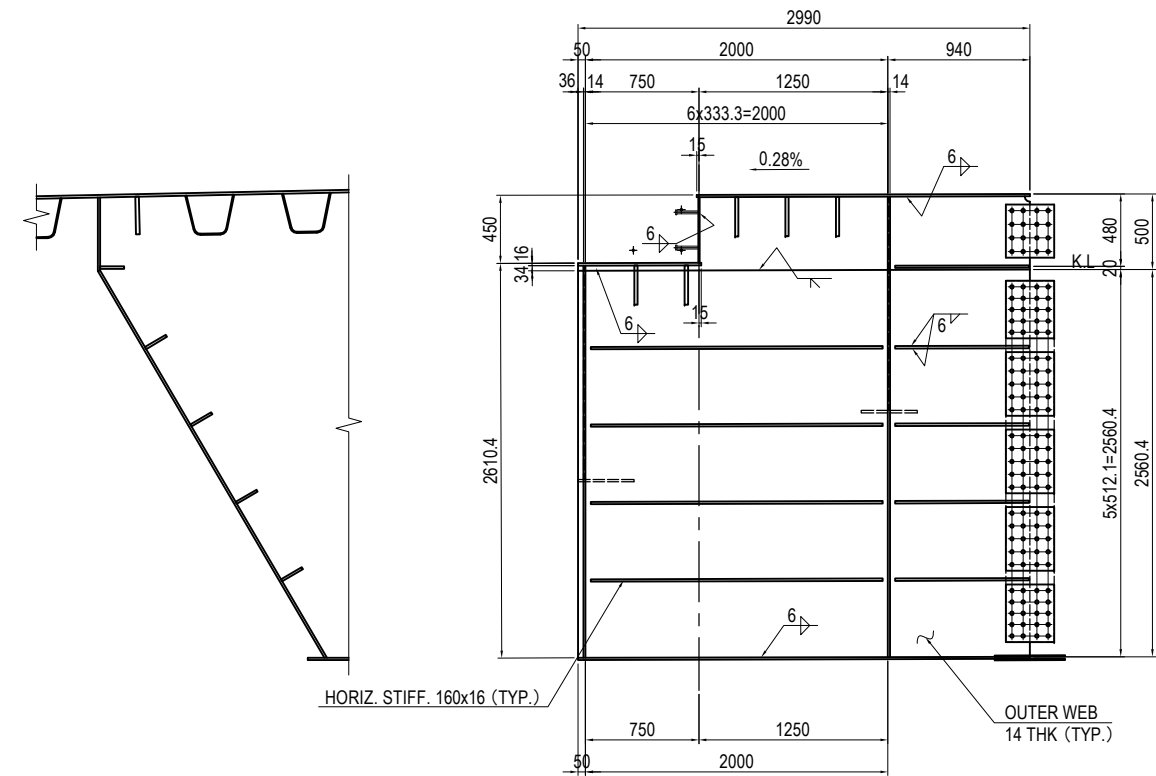
S=1:50

INNER WEB SECTION D-D



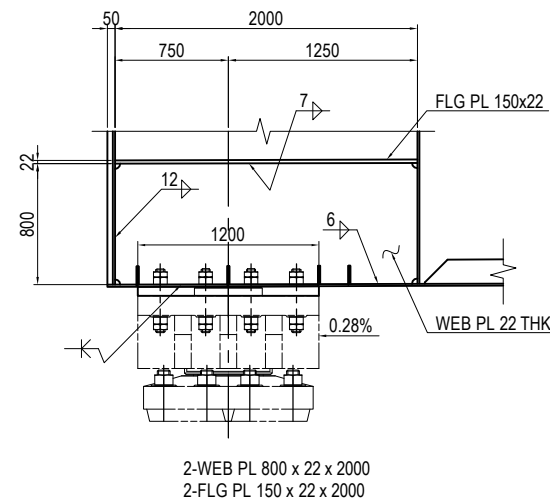
- 1-WEB PL 2659 x 14 x 2990 (SM490YA)
- 1-RIB PL 160 x 16 x 1165 (SM490YA)
- 2-RIB PL 160 x 16 x 1930 (SM490YA)
- 1-RIB PL 160 x 16 x 1230 (SM490YA)
- 1-RIB PL 160 x 16 x 230 (SM490YA)
- 4-RIB PL 160 x 16 x 886 (SM490YA)

OUTER WEB DEV. SECTION E-E



- 1-WEB PL 484 x 14 x 2990 (SM490YA)
- 1-WEB PL 2560 x 14 x 2990 (SM490YA)
- 4-HSTIF PL 160 x 16 x 1930 (SM490YA)
- 5-HSTIF PL 160 x 16 x 886 (SM490YA)

SECTION G-G



- 2-WEB PL 800 x 22 x 2000
- 2-FLG PL 150 x 22 x 2000

NOTES:
1 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

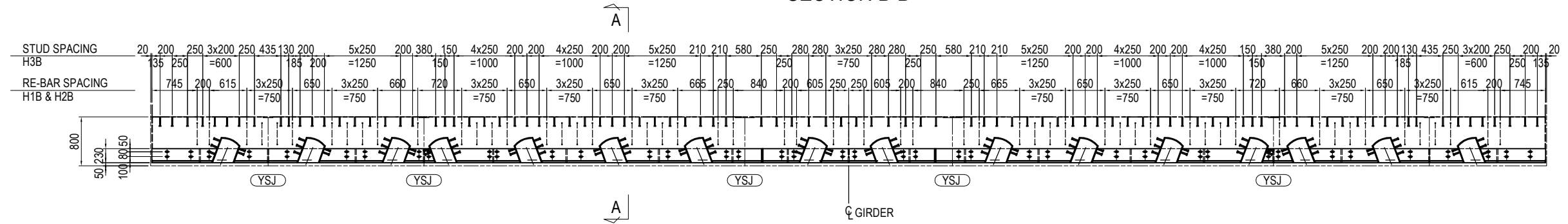
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			MAIN GIRDER END CROSS BEAM (5)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-1128

MAIN GIRDER END CROSS BEAM (6)

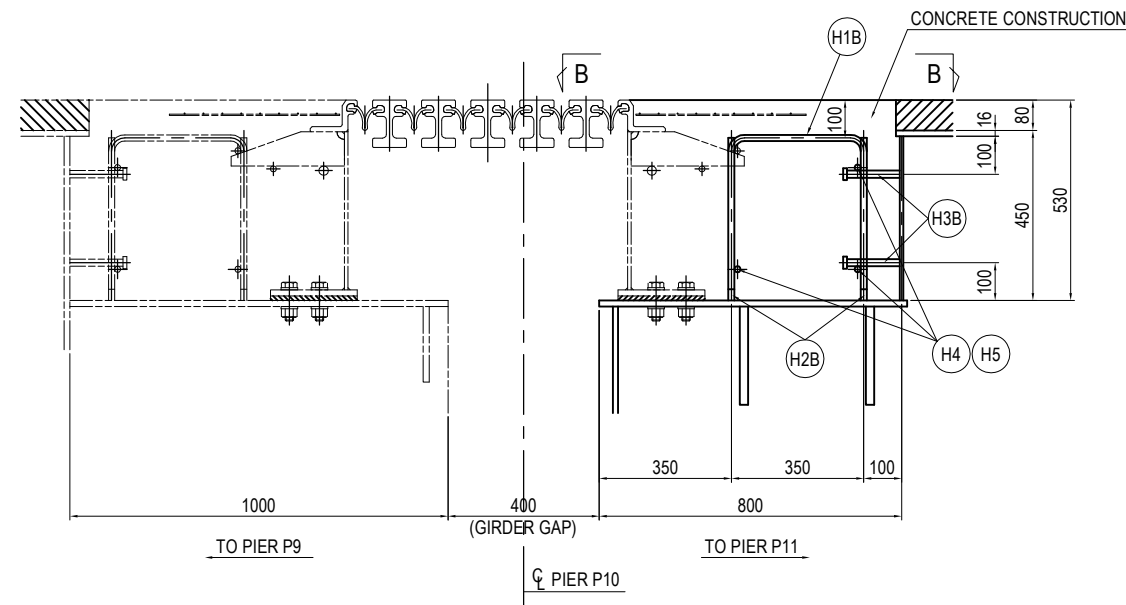
S=1:80

DETAIL FOR RE-BAR & STUD OF PIER P10

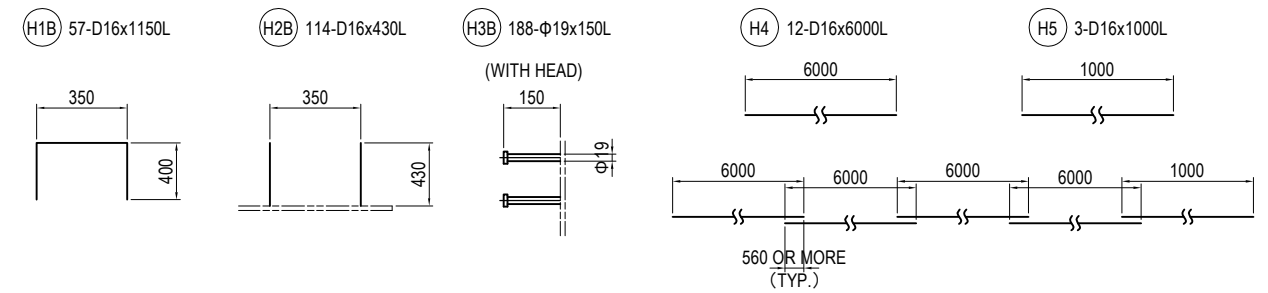
SECTION B-B



SECTION A-A S=1:20



(H) RE-BAR & STUD DETAIL



NOTES:

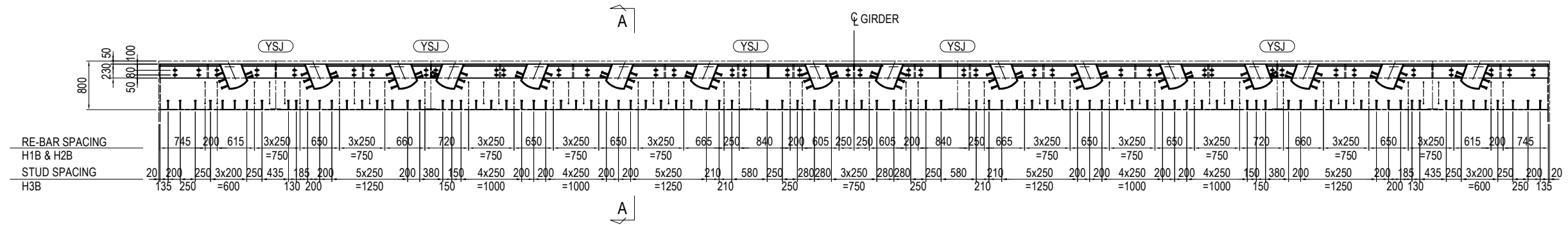
- 1 - (H) BE SURE TO MAKE PREPARATIONS FOR RE-BAR AT TIME OF SUPERSTRUCTURE WORK.
- 2 - (H2)(H3) BE SURE TO IMPLEMENT RE-BAR AT THE TIME OF FABRICATION OF THE DECK PL.
- 3 - CUT OFF ON-SITE THE SURPLUS LENGTH OF THE RE-BAR.
- 4 - CONSIDER CONNECTING WITH THE RE-BAR, ACCORDING TO THE TYPE OF EXPANSION JOINT.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER END CROSS BEAM (6)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1129

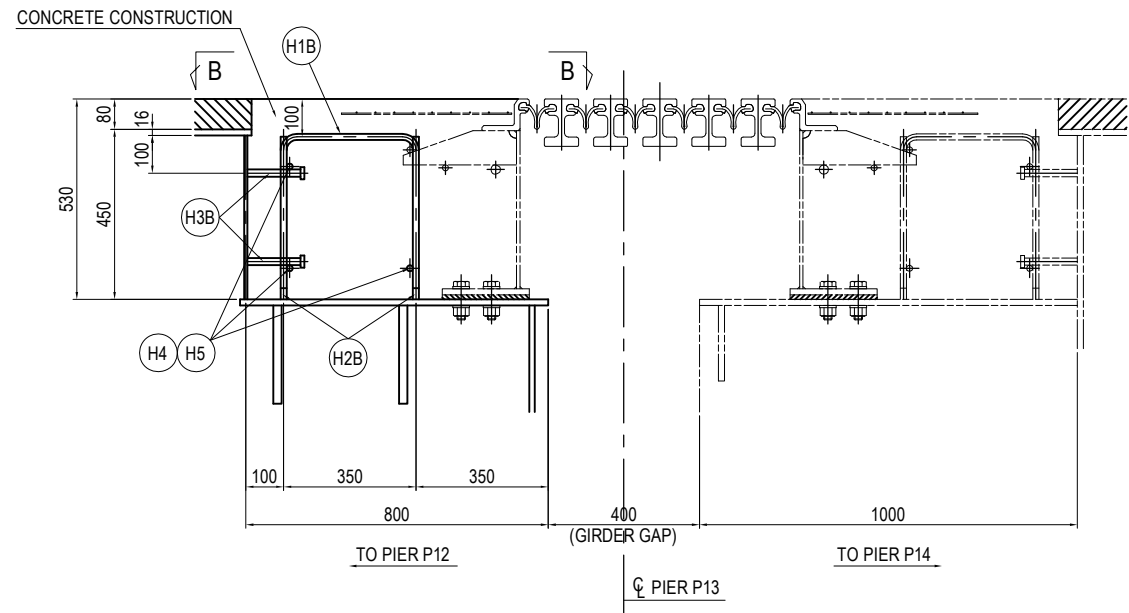
MAIN GIRDER END CROSS BEAM (7) S=1:80

DETAIL FOR RE-BAR & STUD OF PIER P13

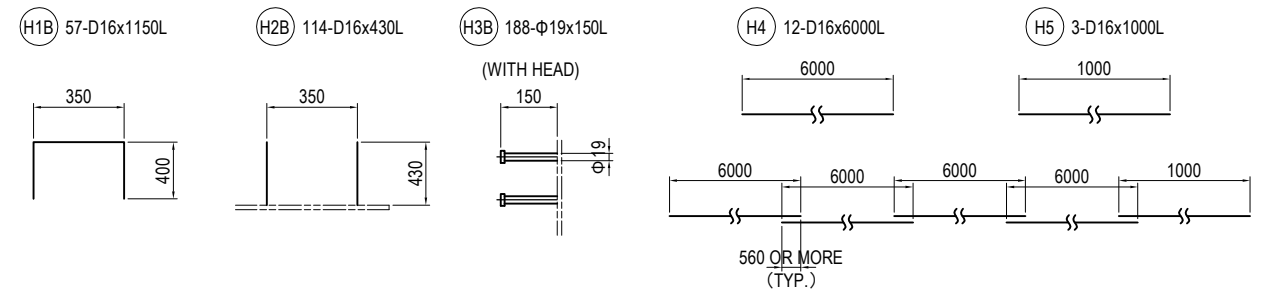
SECTION B-B



SECTION A-A S=1:20



(H) RE-BAR & STUD DETAIL



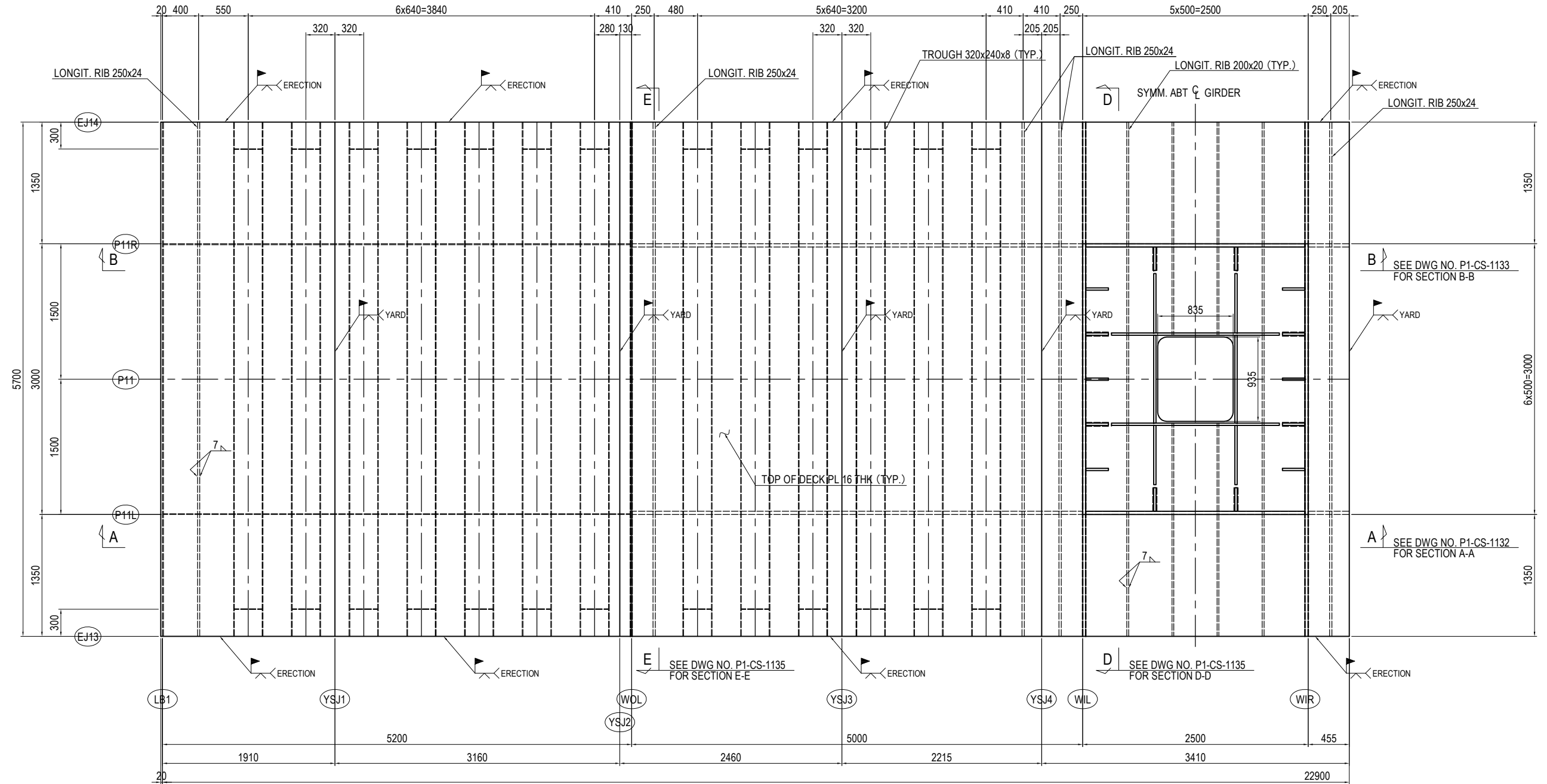
- NOTES:**
- 1 - (H) BE SURE TO MAKE PREPARATIONS FOR RE-BAR AT TIME OF SUPERSTRUCTURE WORK.
 - 2 - (H2)(H3) BE SURE TO IMPLEMENT RE-BAR AT THE TIME OF FABRICATION OF THE DECK PL.
 - 3 - CUT OFF ON-SITE THE SURPLUS LENGTH OF THE RE-BAR.
 - 4 - CONSIDER CONNECTING WITH THE RE-BAR, ACCORDING TO THE TYPE OF EXPANSION JOINT.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME SIGNATURE DATE	DRAWING TITLE MAIN GIRDER END CROSS BEAM (7)	PACKAGE 1 DWG No. P1-CS-1130
				PREPARED BY T. TOMODA		
				CHECKED BY T. HAYAKAWA		
				APPROVED BY Y. SANO		

MAIN GIRDER MIDDLE CROSS BEAM (1)

S=1:50

TOP OF DECK PL



1-DECK PL 1930 x 16 x 5700 (SM490YA)
 1-RIB PL 250 x 24 x 5690 (SM490YB)
 1-URIB 320 x 240 x 8 x 5690 (SM490YA)
 2-URIB 320 x 240 x 8 x 2570
 4-DIA PL 254 x 6 x 308
 1-WEB PL 384 x 9 x 5690
 1-FLG PL 100 x 10 x 5690
 1-PL 342 x 6 x 5690

1-DECK PL 3160 x 16 x 5700 (SM490YA)
 5-URIB 320 x 240 x 8 x 5690 (SM490YA)
 10-DIA PL 254 x 6 x 308

1-DECK PL 2460 x 16 x 5700 (SM490YA)
 3-URIB 320 x 240 x 8 x 5690 (SM490YA)
 6-DIA PL 254 x 6 x 308
 1-RIB PL 250 x 24 x 5690 (SM490YB)

1-DECK PL 2215 x 16 x 5700 (SM490YA)
 3-URIB 320 x 240 x 8 x 5690 (SM490YA)
 6-DIA PL 254 x 6 x 308
 1-RIB PL 250 x 24 x 5690 (SM490YB)

1-DECK PL 3410 x 16 x 5700 (SM490YA)
 2-RIB PL 250 x 24 x 5690 (SM490YB)
 2-RIB PL 200 x 20 x 5690 (SM490YB)
 4-RIB PL 200 x 20 x 2358 (SM490YB)

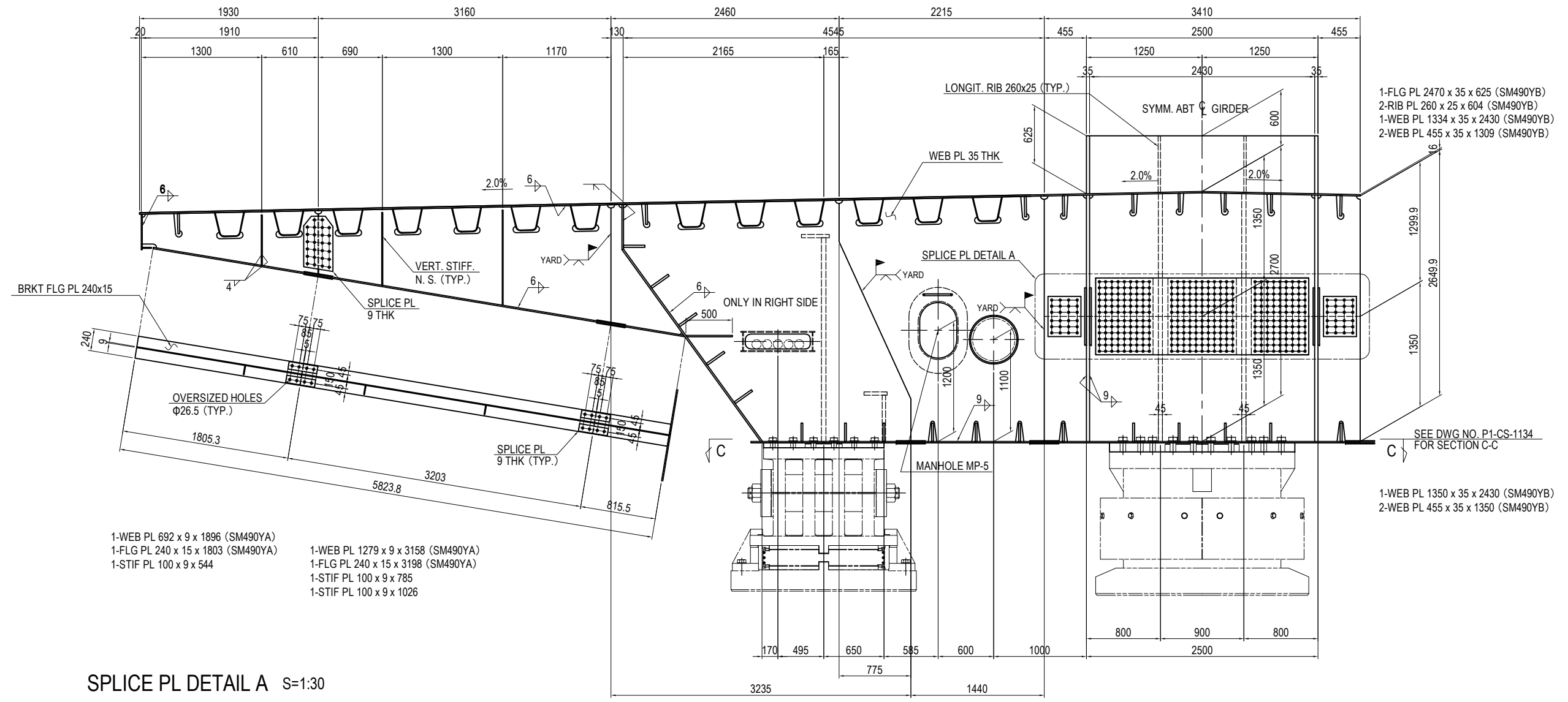
NOTES:
 1 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER MIDDLE CROSS BEAM (1)	PACKAGE
				PREPARED BY T. TOMODA				1
				CHECKED BY T. HAYAKAWA			DWG No.	
				APPROVED BY Y. SANO			P1-CS-1131	

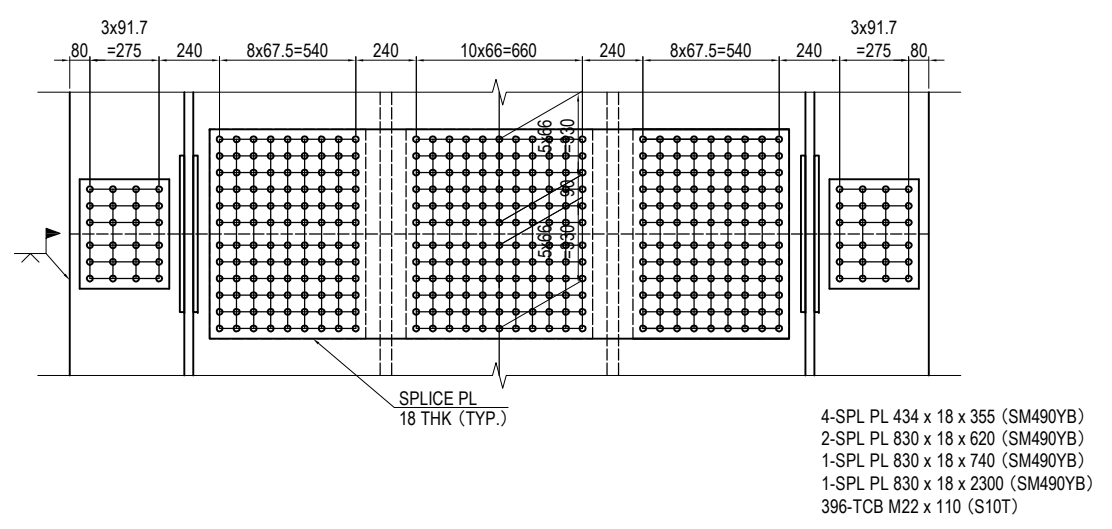
MAIN GIRDER MIDDLE CROSS BEAM (2)

S=1:50

MIDDLE CROSS BEAM SECTION (P11L) SECTION A-A



SPLICE PL DETAIL A S=1:30



- 1-FLG PL 2470 x 35 x 625 (SM490YB)
- 2-RIB PL 260 x 25 x 604 (SM490YB)
- 1-WEB PL 1334 x 35 x 2430 (SM490YB)
- 2-WEB PL 455 x 35 x 1309 (SM490YB)

- 1-WEB PL 1350 x 35 x 2430 (SM490YB)
- 2-WEB PL 455 x 35 x 1350 (SM490YB)

- 1-WEB PL 1411 x 9 x 785 (SM490YA)
- 1-FLG PL 240 x 15 x 813 (SM490YA)
- 1-WEB PL 2606 x 35 x 3100 (SM490YB)
- 2-PL 103 x 15 x 500 (SM490YA)
- 1-WEB PL 2650 x 35 x 2215 (SM490YB)
- 1-PL 100 x 10 x 1615 (SM490YA)

- 4-SPL PL 434 x 18 x 355 (SM490YB)
- 2-SPL PL 830 x 18 x 620 (SM490YB)
- 1-SPL PL 830 x 18 x 740 (SM490YB)
- 1-SPL PL 830 x 18 x 2300 (SM490YB)
- 396-TCB M22 x 110 (S10T)

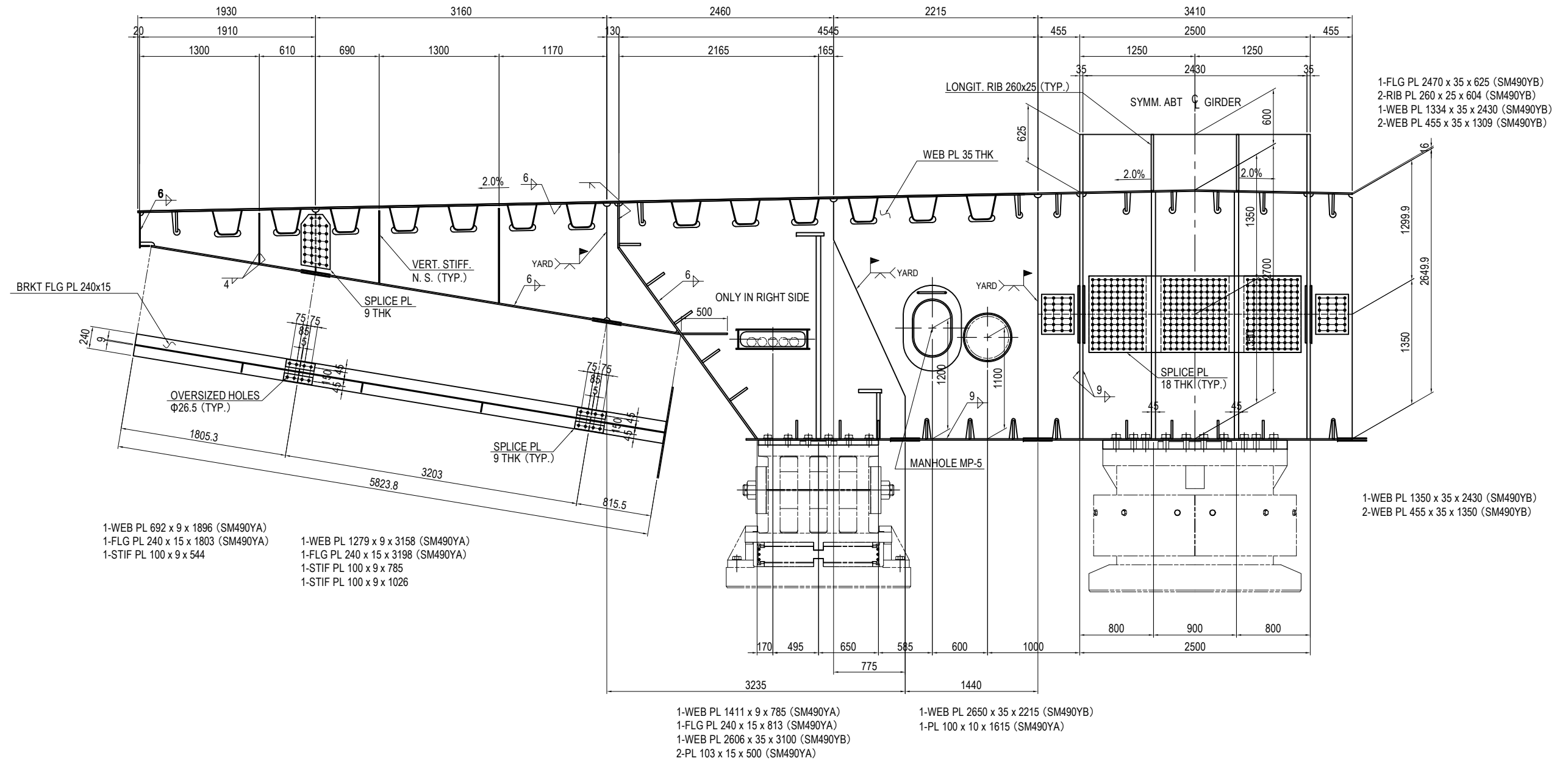
NOTES:
1 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER MIDDLE CROSS BEAM (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1132

MAIN GIRDER MIDDLE CROSS BEAM (3)

S=1:50

MIDDLE CROSS BEAM SECTION (P11R) SECTION B-B



NOTES:
1 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER MIDDLE CROSS BEAM (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1133

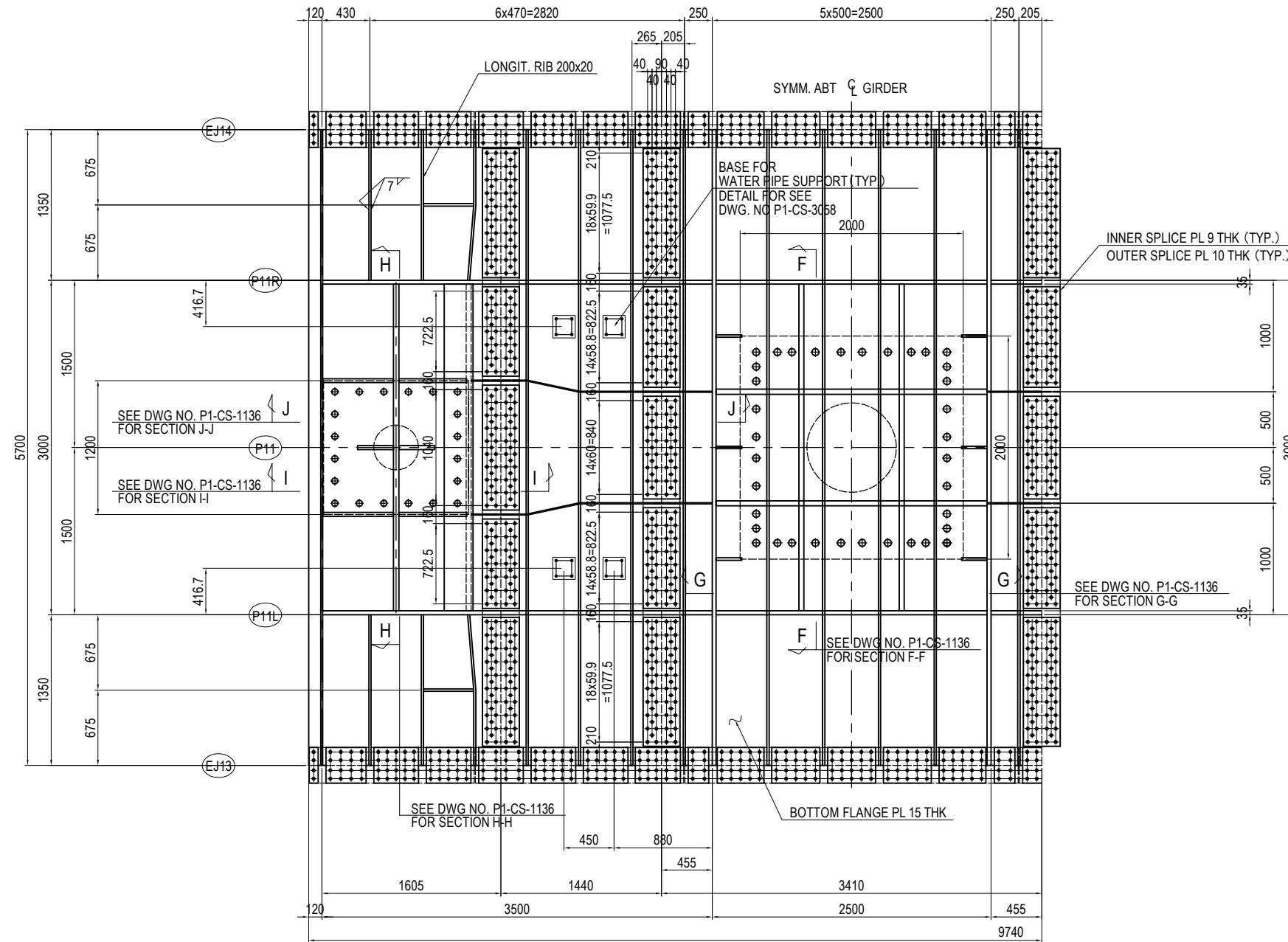
MAIN GIRDER MIDDLE CROSS BEAM (4)

S=1:50

2-SPL PL 1158 x 9 x 330 (SM490YA)
 2-SPL PL 803 x 9 x 330 (SM490YA)
 2-SPL PL 2075 x 10 x 330 (SM490YA)
 1-SPL PL 1120 x 9 x 330 (SM490YA)
 1-SPL PL 1190 x 10 x 330 (SM490YA)
 254-TCB M22 x 70 (S10T)

2-SPL PL 1158 x 9 x 330 (SM490YA)
 2-SPL PL 903 x 9 x 330 (SM490YA)
 2-SPL PL 2175 x 10 x 330 (SM490YA)
 1-SPL PL 920 x 9 x 330 (SM490YA)
 1-SPL PL 990 x 10 x 330 (SM490YA)
 254-TCB M22 x 70 (S10T)

BOTTOM FLANGE SECTION C-C

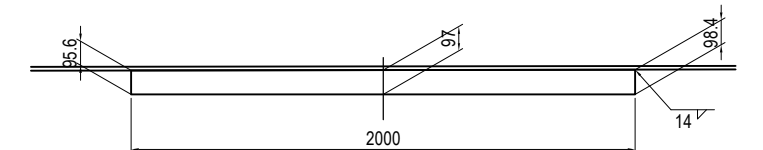
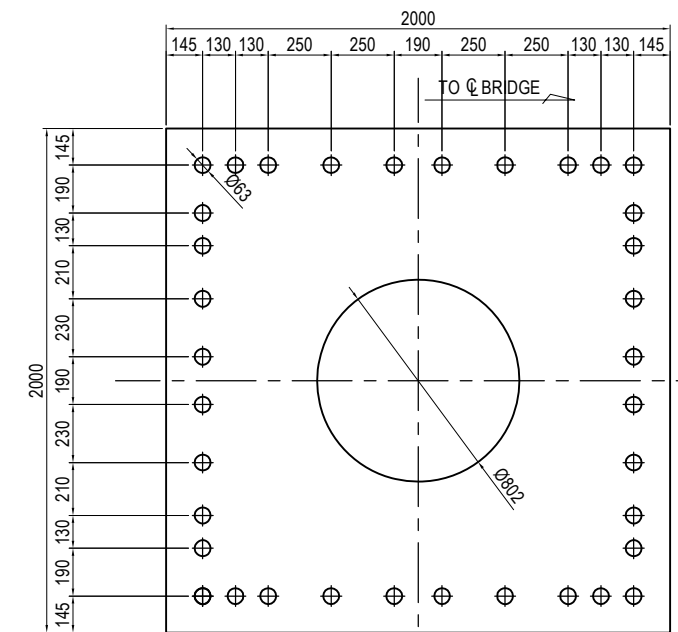
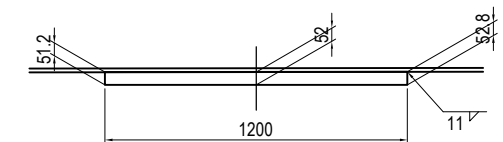
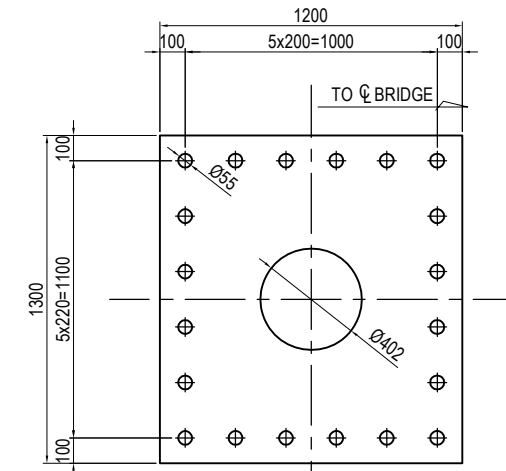


1-FLG PL 1725 x 15 x 5700 (SM490YA)
 4-RIB PL 200 x 20 x 1345 (SM490YB)
 2-RIB PL 200 x 20 x 1350 (SM490YB)
 2-RIB PL 220 x 22 x 450 (SM490YB)
 1-SOLE PL 1200 x 55 x 1300 (SM490C-H)

1-FLG PL 1440 x 15 x 5700 (SM490YA)
 3-RIB PL 200 x 20 x 5690 (SM490YB)

1-FLG PL 3410 x 15 x 5700 (SM490YA)
 6-RIB PL 200 x 20 x 5690 (SM490YB)
 1-SOLE PL 2000 x 101 x 2000 (SM490C-H)

SOLE PL DETAIL S=1:30

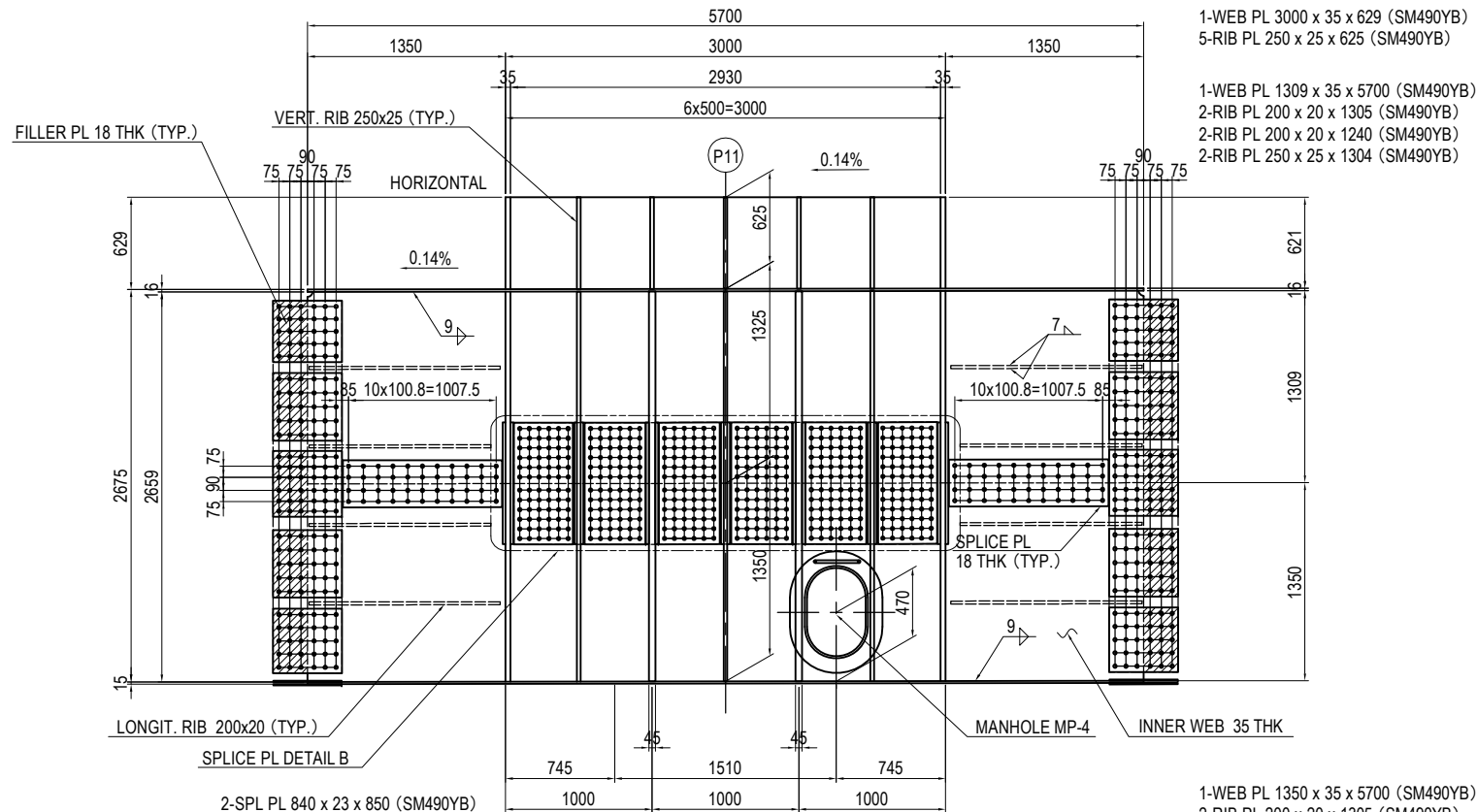


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER MIDDLE CROSS BEAM (4)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1134

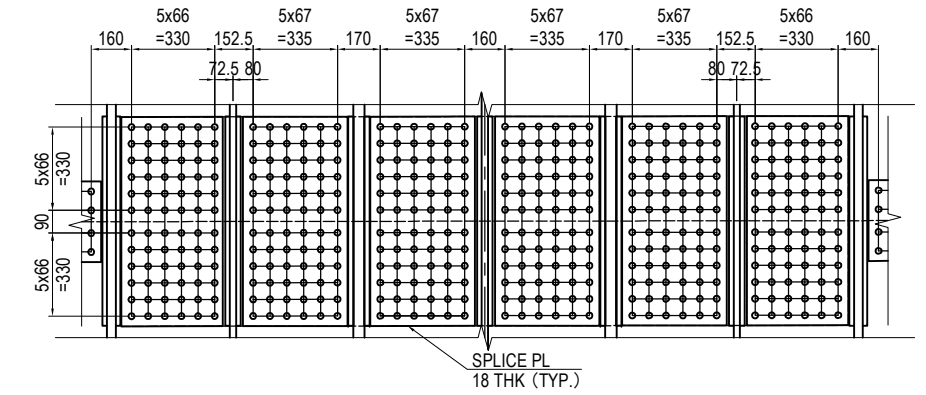
MAIN GIRDER MIDDLE CROSS BEAM (5)

S=1:50

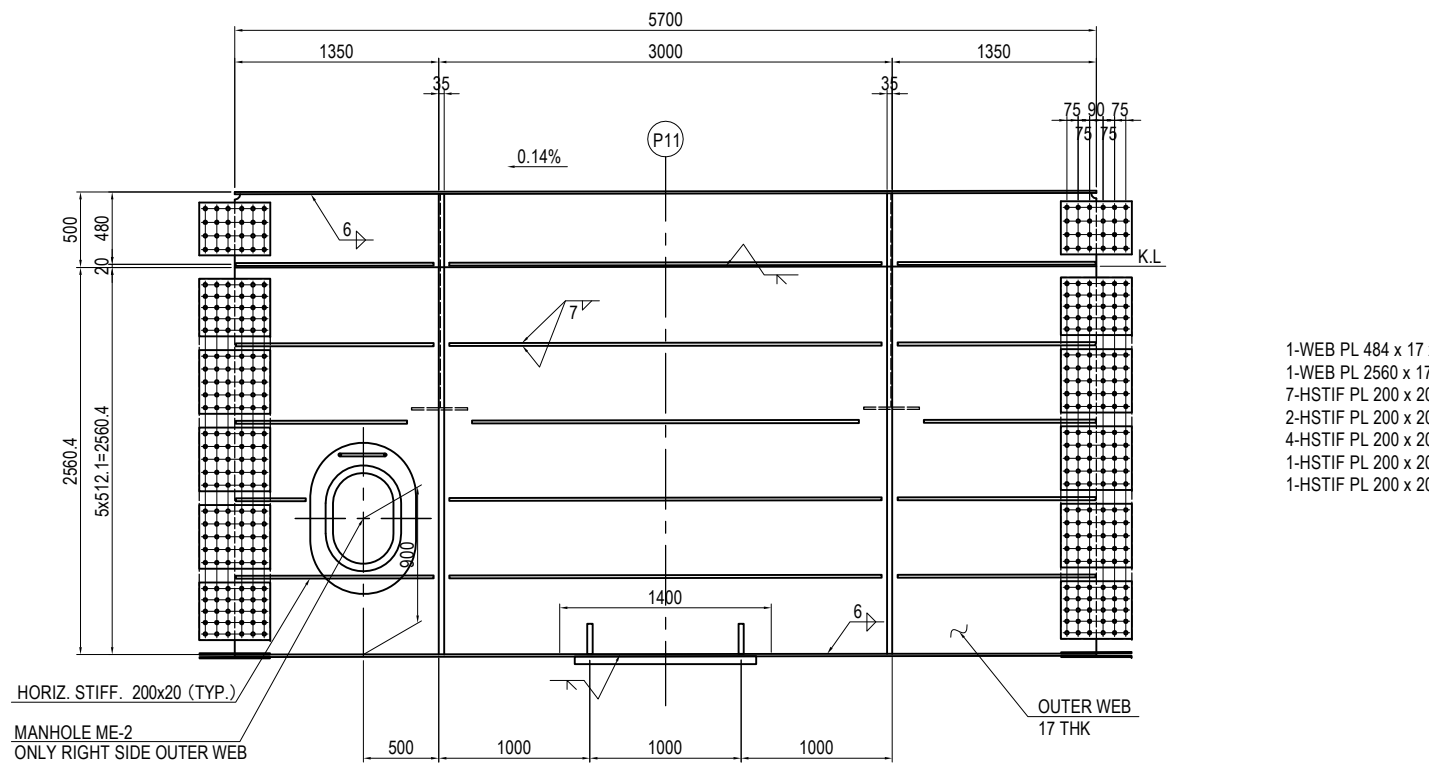
INNER WEB SECTION D-D



SPLICE PL DETAIL B S=1:30



OUTER WEB DEV. SECTION E-E



- 1-WEB PL 484 x 17 x 5700 (SM490YB)
- 1-WEB PL 2560 x 17 x 5700 (SM490YB)
- 7-HSTIF PL 200 x 20 x 1310 (SM490YB)
- 2-HSTIF PL 200 x 20 x 1135 (SM490YB)
- 4-HSTIF PL 200 x 20 x 2860 (SM490YB)
- 1-HSTIF PL 200 x 20 x 2560 (SM490YB)
- 1-HSTIF PL 200 x 20 x 465 (SM490YB)

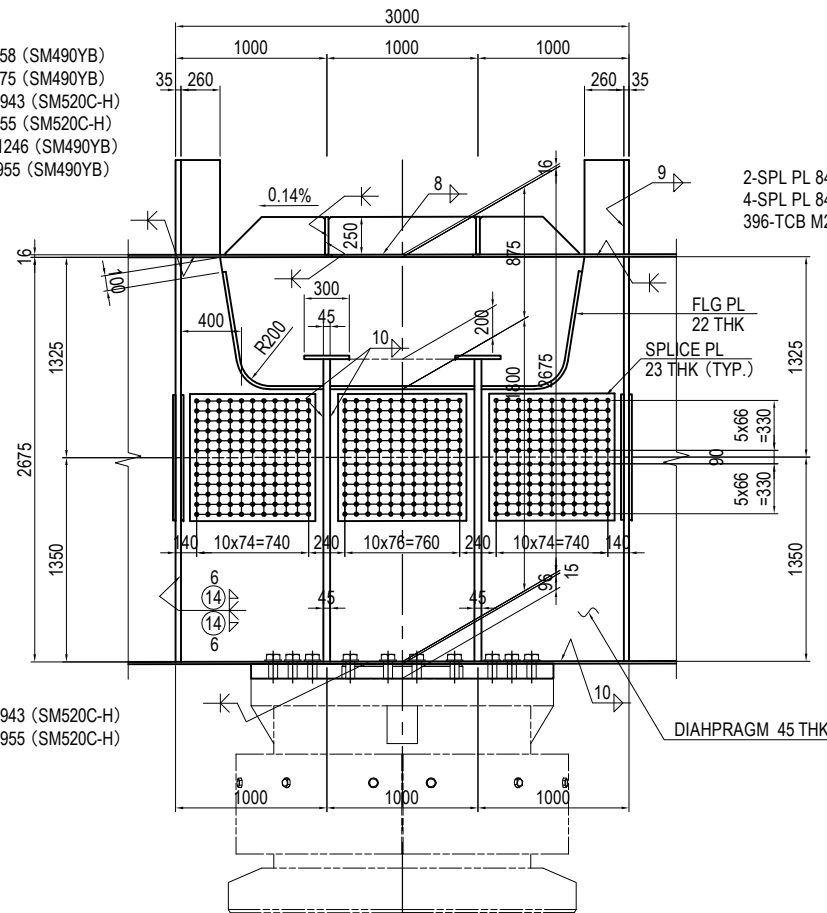
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER MIDDLE CROSS BEAM (5)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1135

MAIN GIRDER MIDDLE CROSS BEAM (6)

S=1:50

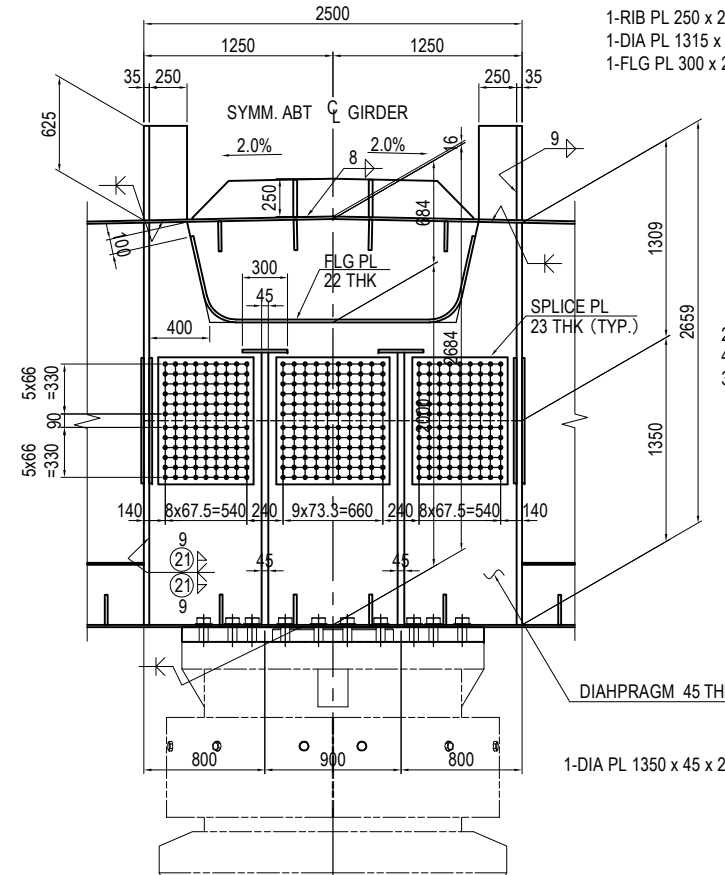
SECTION F-F

- 2-RIB PL 250 x 25 x 658 (SM490YB)
- 1-RIB PL 250 x 25 x 975 (SM490YB)
- 2-DIA PL 1325 x 45 x 943 (SM520C-H)
- 1-DIA PL 450 x 45 x 955 (SM520C-H)
- 2-FLG PL 300 x 22 x 1246 (SM490YB)
- 1-FLG PL 300 x 22 x 955 (SM490YB)

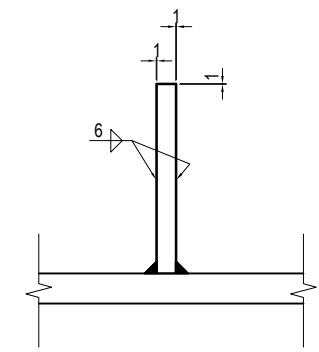


SECTION G-G

- 1-RIB PL 250 x 25 x 1860 (SM490YB)
- 1-DIA PL 1315 x 45 x 2430 (SM520C-H)
- 1-FLG PL 300 x 22 x 2655 (SM490YB)



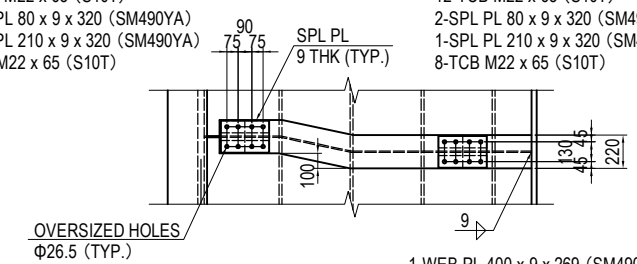
DETAIL FOR SLIT S=1:10



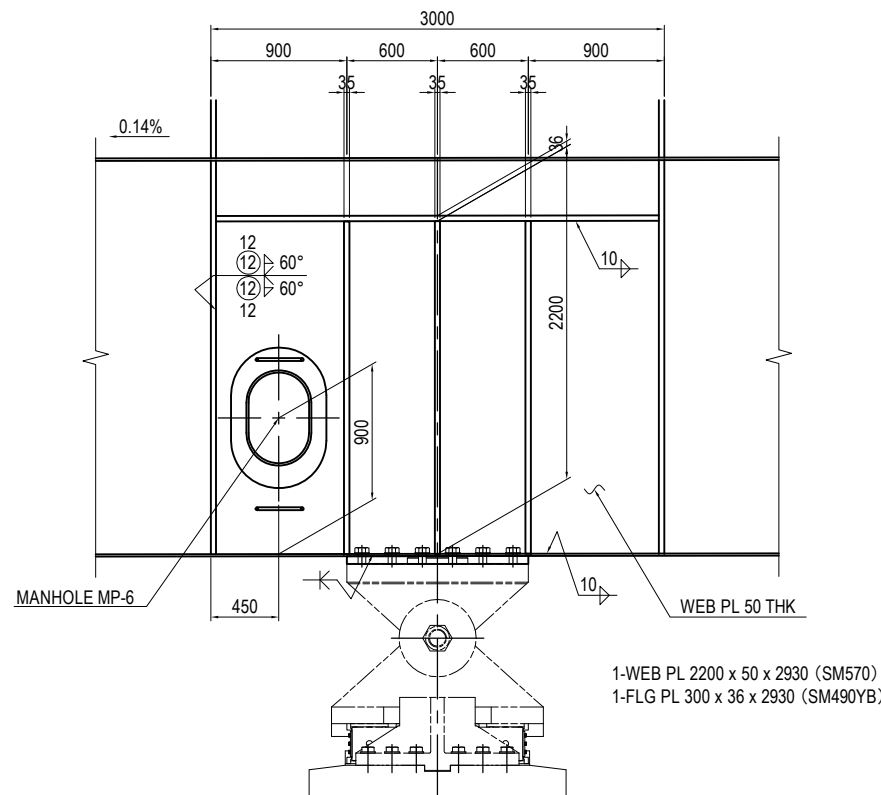
SECTION K-K

- 2-SPL PL 280 x 9 x 320 (SM490YA)
- 12-TCB M22 x 65 (S10T)
- 2-SPL PL 80 x 9 x 320 (SM490YA)
- 1-SPL PL 210 x 9 x 320 (SM490YA)
- 8-TCB M22 x 65 (S10T)

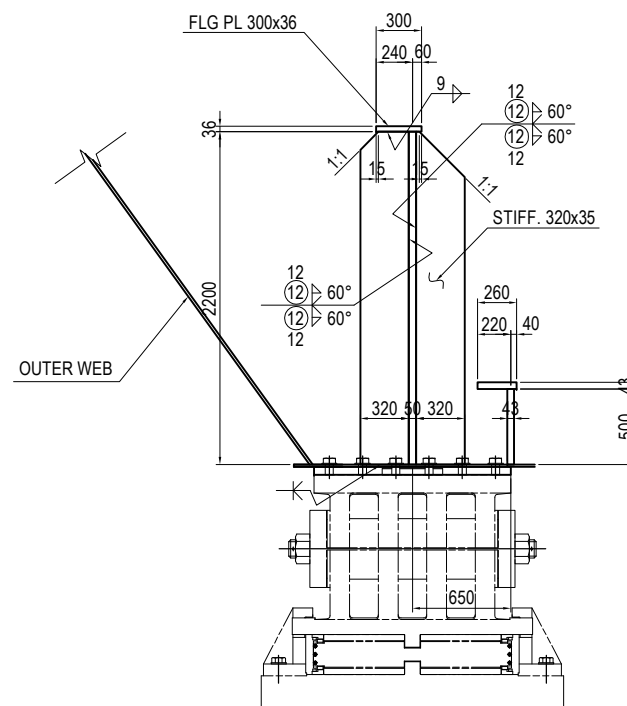
- 2-SPL PL 280 x 9 x 320 (SM490YA)
- 12-TCB M22 x 65 (S10T)
- 2-SPL PL 80 x 9 x 320 (SM490YA)
- 1-SPL PL 210 x 9 x 320 (SM490YA)
- 8-TCB M22 x 65 (S10T)



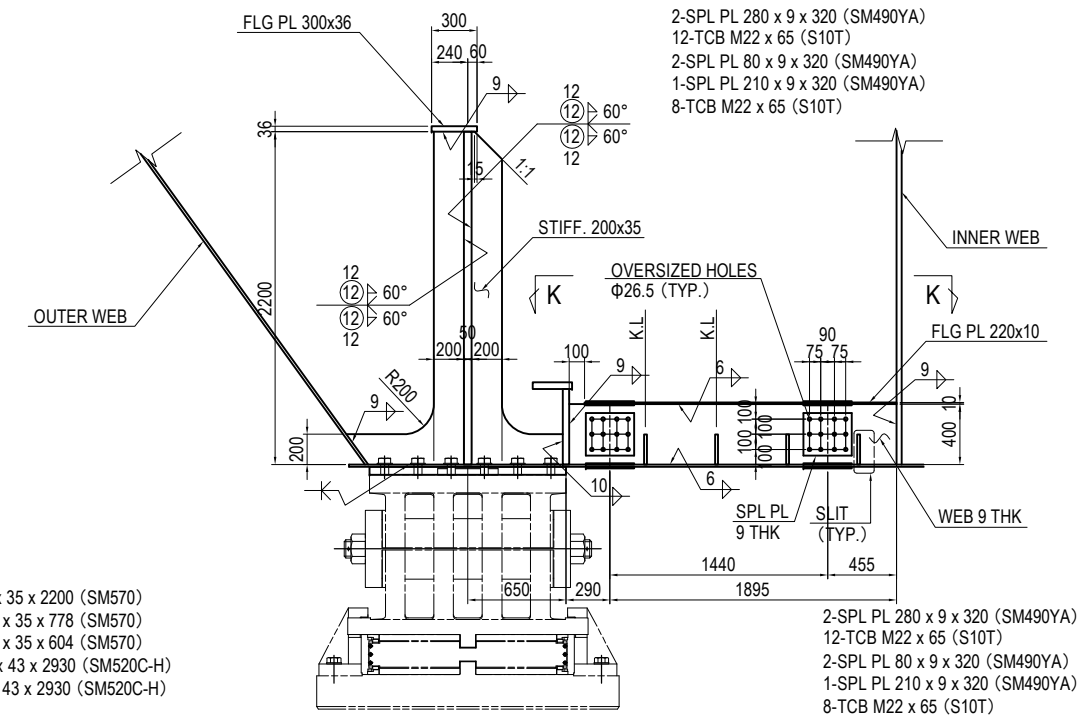
SECTION H-H



SECTION I-I



SECTION J-J



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

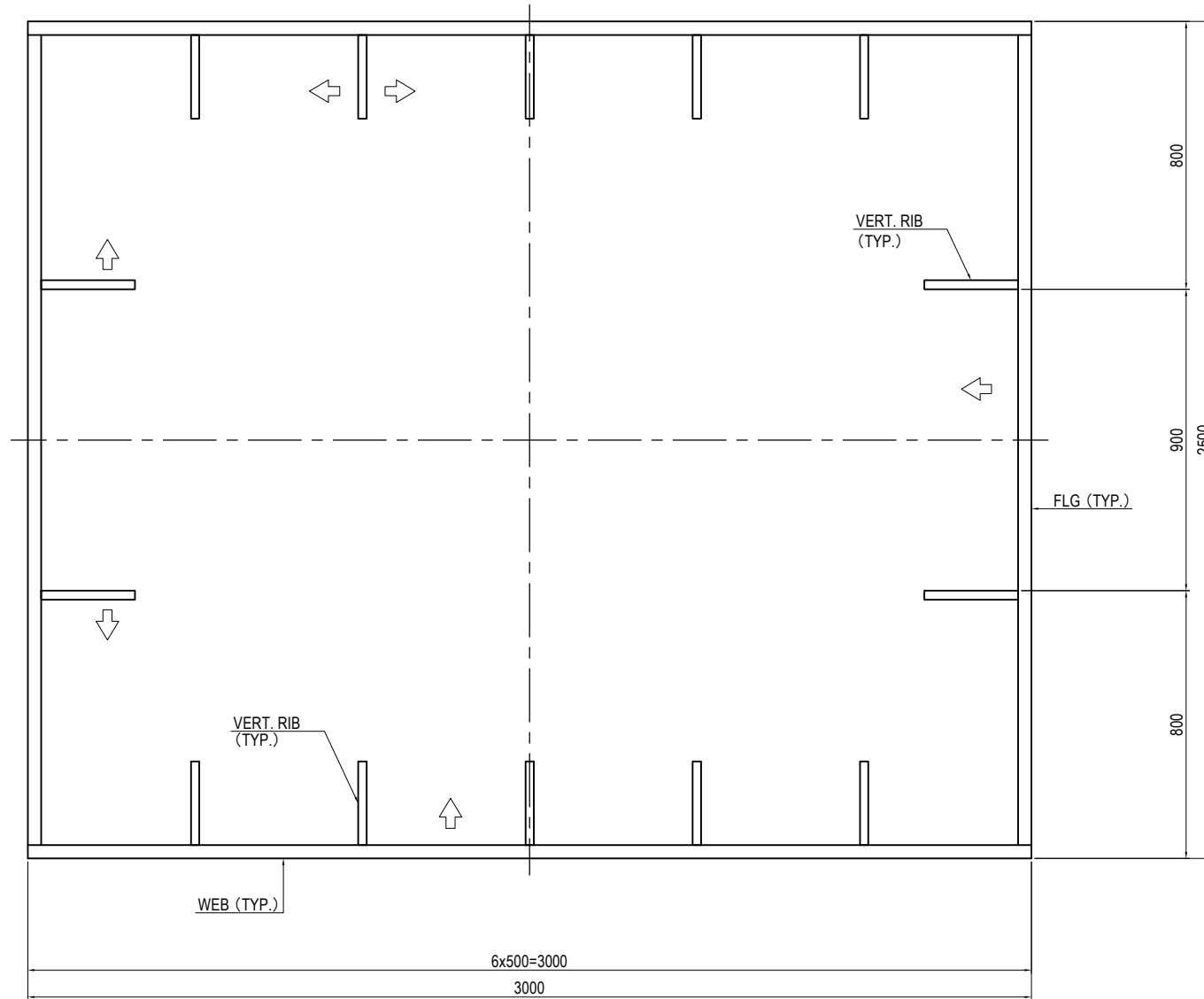
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE	PACKAGE
MAIN GIRDER MIDDLE CROSS BEAM (6)	1
	DWG No.
	P1-CS-1136

DETAIL OF MAIN TOWER STANDARD (1) S=1:20

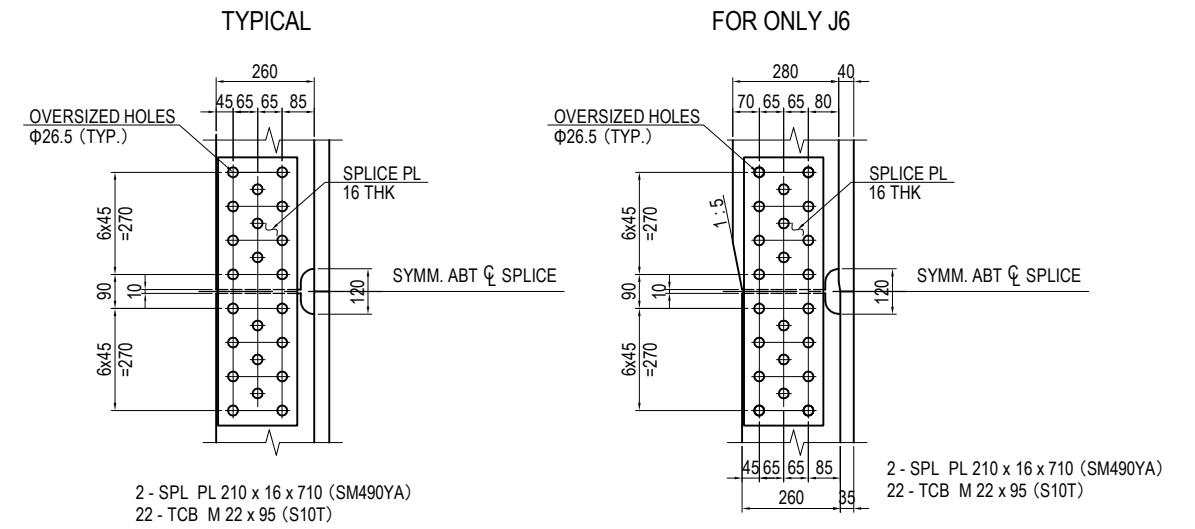
NOTES:
1 - ⇐ DIRECTION

TYPICAL SECTION

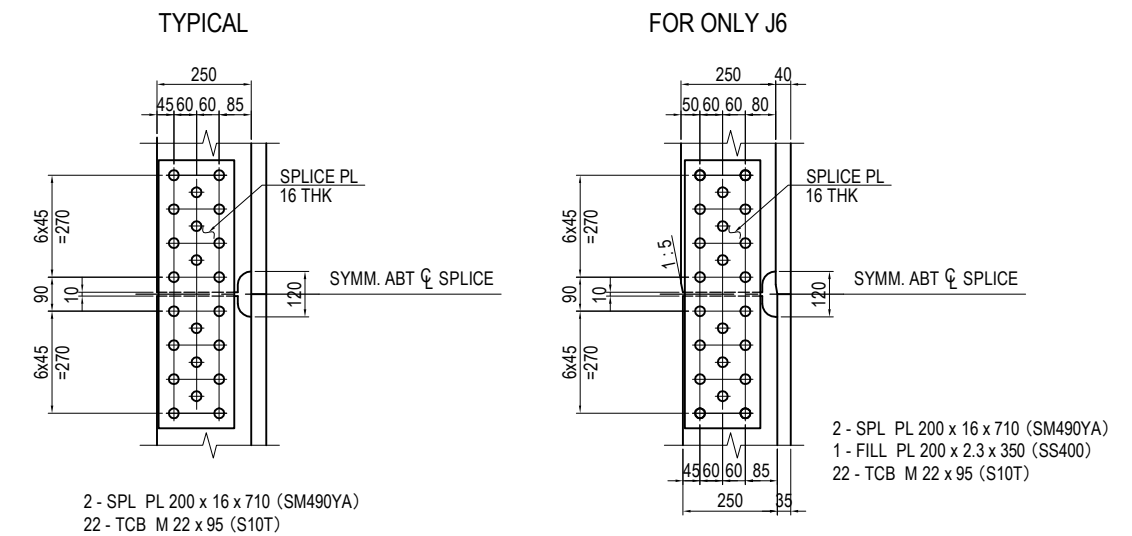


SPLICE DETAILS

@ 260x25

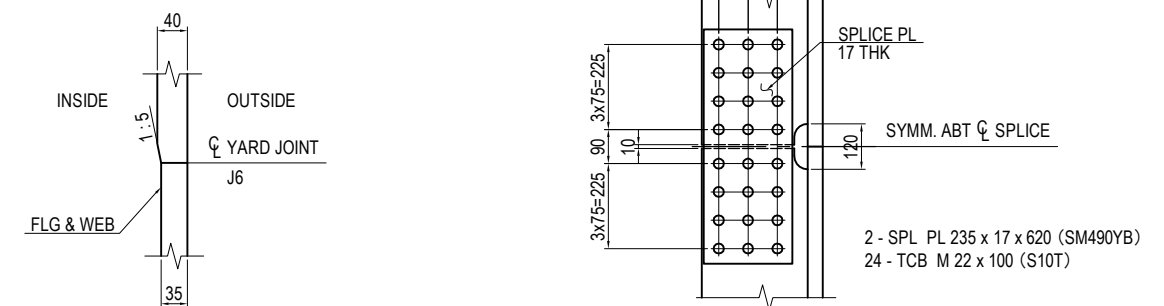


@ 250x25

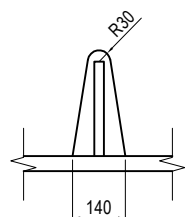


@ 280x27

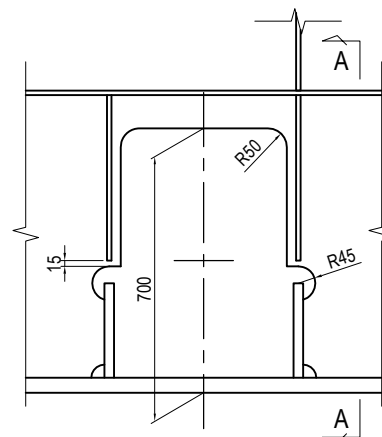
DETAIL FOR DIFFERENT THICKNESS S=1:10



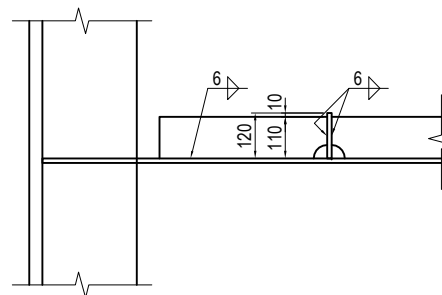
SCALLOP DETAIL



HOLE FOR LADDER



SECTION A-A

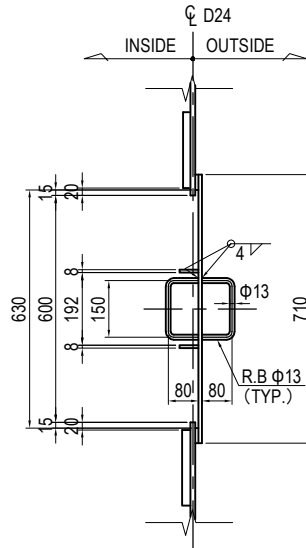
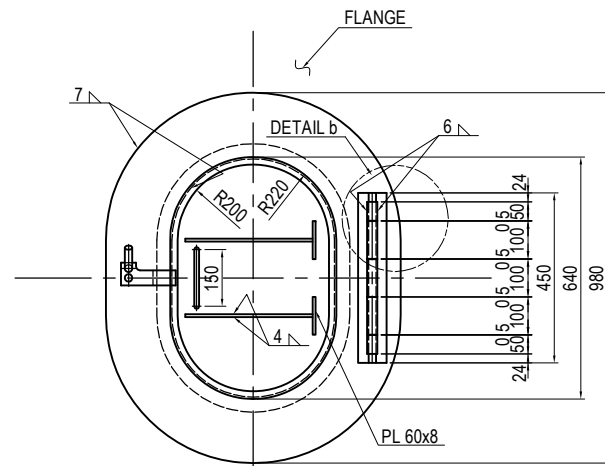


PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			DETAIL OF MAIN TOWER STANDARD (1)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-1202

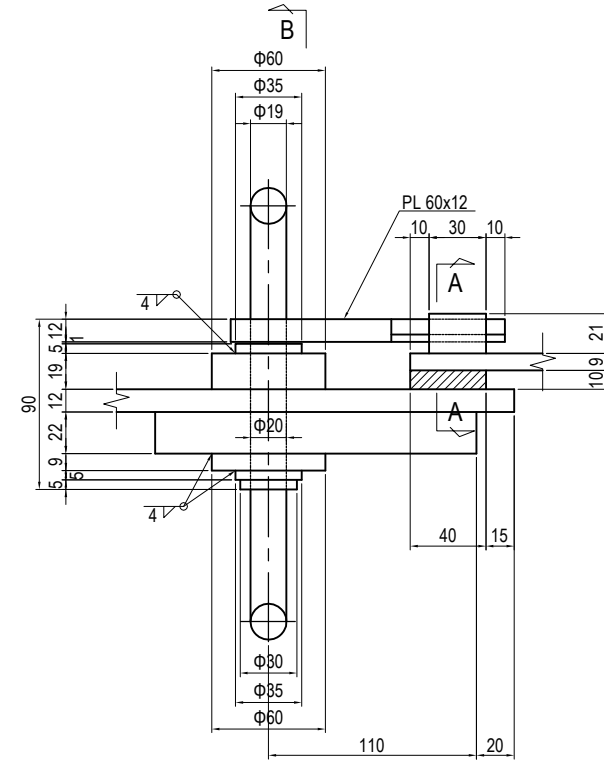
DETAIL OF MAIN TOWER STANDARD (3) S=1:20

ACCESS HATCH TYPE-2

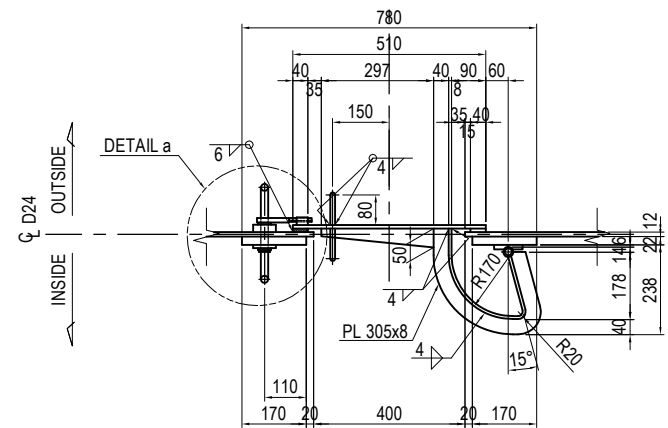
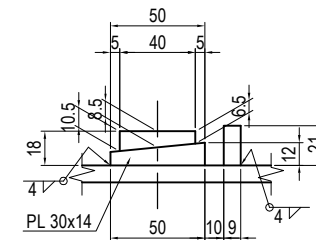
- 1 - PL 780 x 22 x 980 (SM490YB)
- 1 - RUBBER 510 x 10 x 710 (POLYCHLOROPRENE)
- 1 - PL 510 x 9 x 710
- 2 - PL 305 x 8 x 281
- 2 - PL 60 x 8 x 520
- 2 - PL 50 x 8 x 297
- 2 - PIPE 20A x 50 (SGP)
- 3 - PIPE 20A x 100 (SGP)
- 1 - RB $\Phi 19$ x 450
- 2 - RB $\Phi 13$ x 310
- 1 - PL $\Phi 60$ x 19
- 1 - PL $\Phi 60$ x 9
- 2 - PL $\Phi 35$ x 5 (SUS304)
- 1 - PL $\Phi 30$ x 5 (SUS304)
- 1 - RB $\Phi 19$ x 269 (SUS304)
- 1 - RB $\Phi 19$ x 135 (SUS304)
- 1 - PL 60 x 12 x 160 (SUS304)
- 1 - PL 30 x 14 x 50 (SUS304)
- 1 - PL 21 x 9 x 30
- 2 - FB 75 x 12 x 450



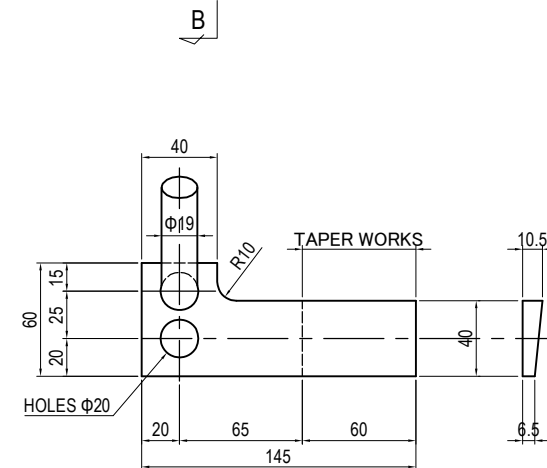
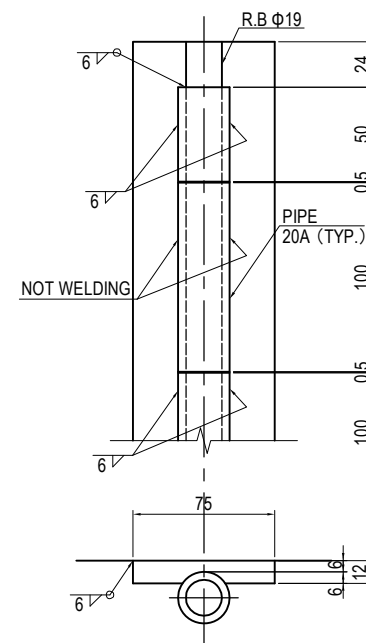
DETAIL a S=1:4



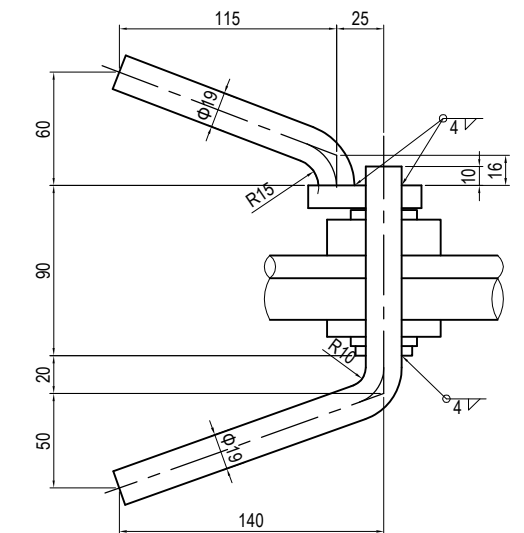
SECTION A-A S=1:4



DETAIL b S=1:4



SECTION B-B S=1:4



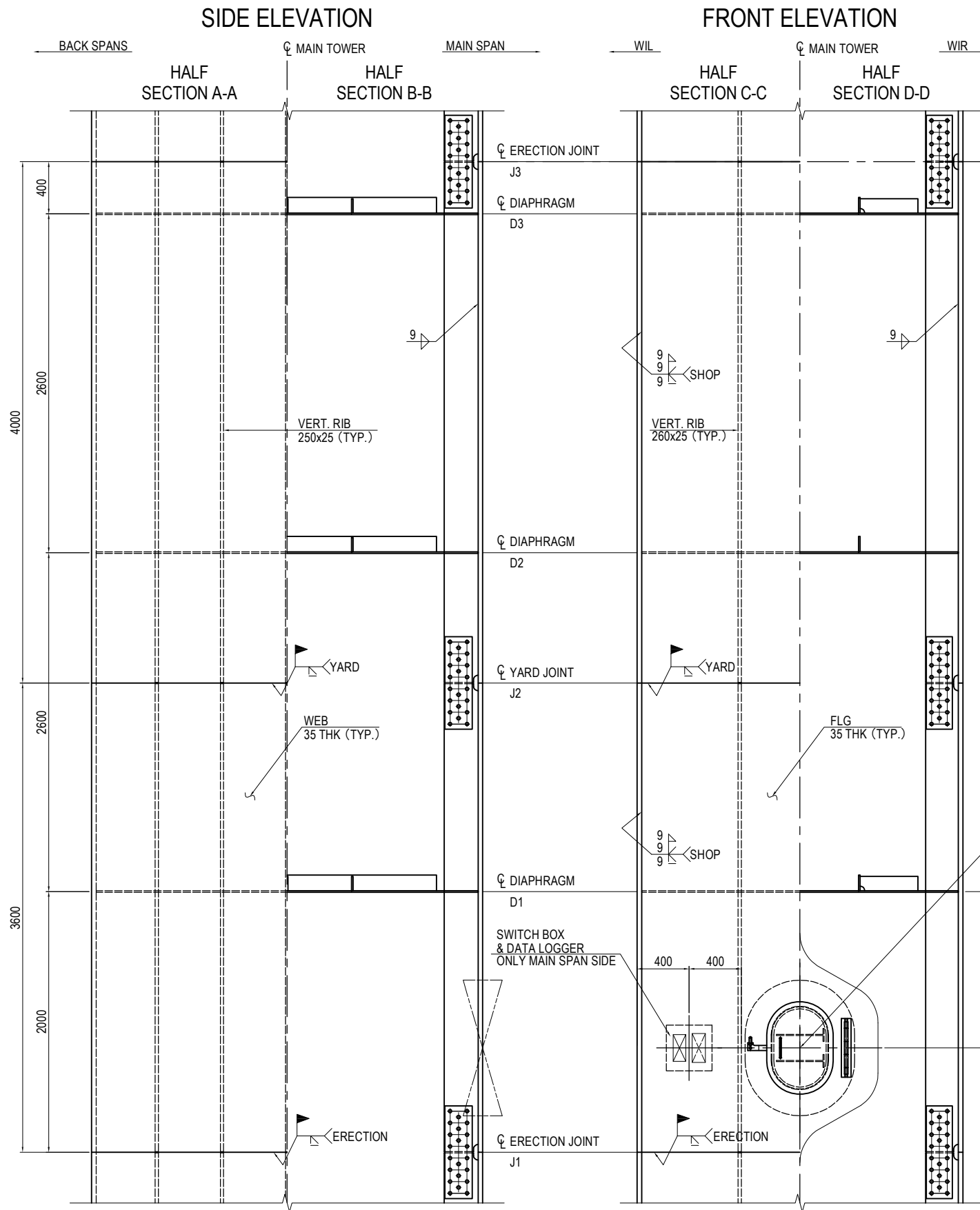
NOTES:

- 1 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SS400

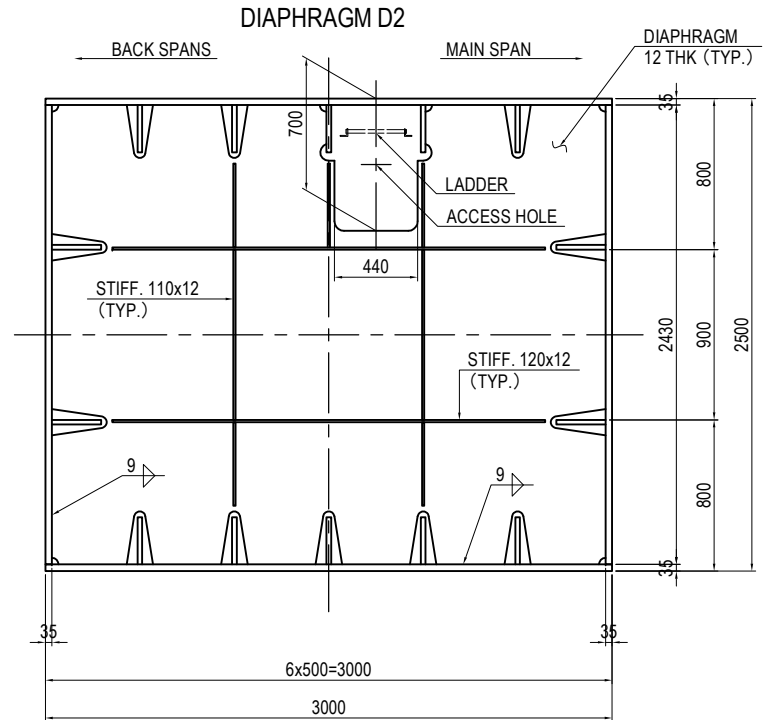
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DRAWING TITLE</th> <th>PACKAGE</th> </tr> <tr> <td rowspan="3" style="text-align: center;">DETAIL OF MAIN TOWER STANDARD (3)</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1204</td> </tr> </table>	DRAWING TITLE	PACKAGE	DETAIL OF MAIN TOWER STANDARD (3)	1	DWG No.	P1-CS-1204
NAME	SIGNATURE	DATE																					
PREPARED BY	T. TOMODA																						
CHECKED BY	T. HAYAKAWA																						
APPROVED BY	Y. SANO																						
DRAWING TITLE	PACKAGE																						
DETAIL OF MAIN TOWER STANDARD (3)	1																						
	DWG No.																						
	P1-CS-1204																						

DETAIL OF MAIN TOWER (1) S=1:40

BASE OF SWITCH BOX & DATA LOGGER DETAIL S=1:20

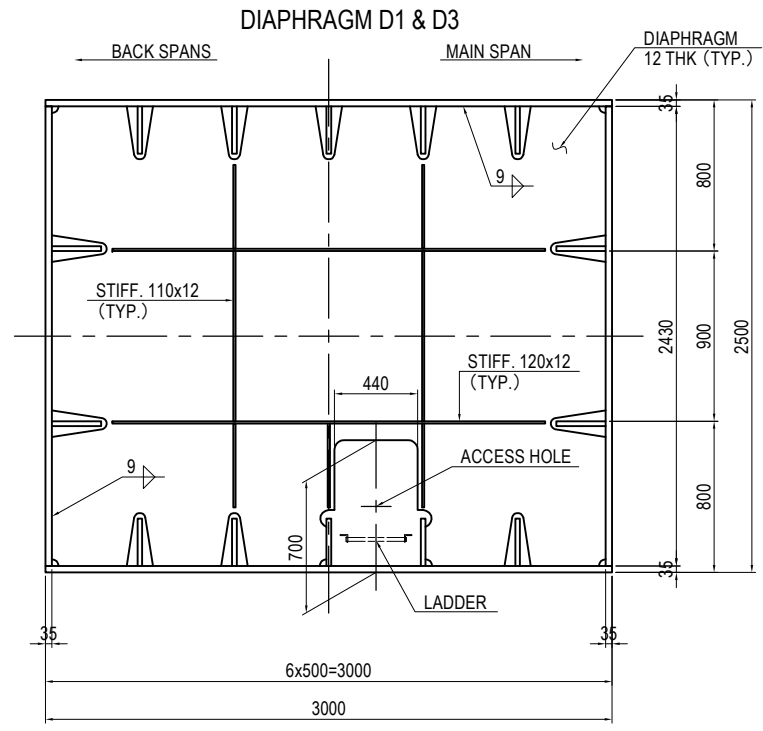


MATCH LINE
CONT ON
DWG NO. P1-CS-1302



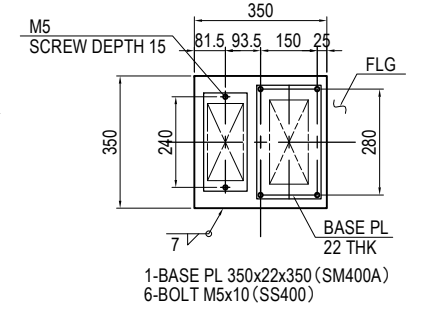
2-WEB PL 3000x35x4000 (SM490YB)
10-RIB PL 250x25x3990 (SM490YB)
2-FLG PL 2430x35x4000 (SM490YB)
4-RIB PL 260x25x3990 (SM490YB)

1-DIA PL 2930x12x2430 (SM490YA)
2-STIFF PL 120x12x2290 (SM400A)
2-STIFF PL 110x12x900 (SM400A)
5-STIFF PL 110x12x443 (SM400A)



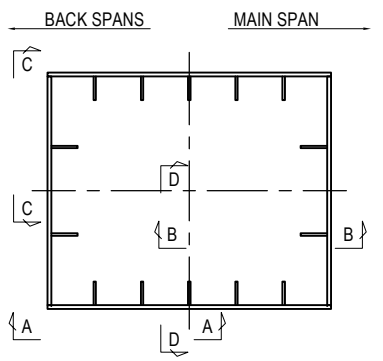
2-WEB PL 3000x35x3600 (SM490YB)
10-RIB PL 250x25x3590 (SM490YB)
2-FLG PL 2430x35x3600 (SM490YB)
4-RIB PL 260x25x3590 (SM490YB)

1-DIA PL 2930x12x2430 (SM490YA)
2-STIFF PL 120x12x2290 (SM400A)
2-STIFF PL 110x12x900 (SM400A)
5-STIFF PL 110x12x443 (SM400A)

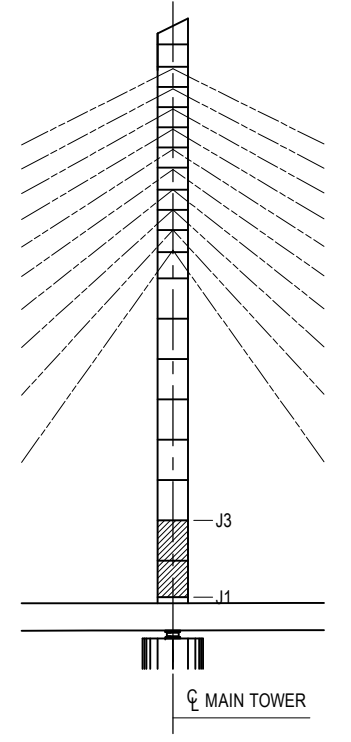


1-BASE PL 350x22x350 (SM400A)
6-BOLT M5x10 (SS400)

△ ADJUST BOLT HOLES DIAMETER AND POSITION ACCORDING TO THE TYPE OF DEVICE INSTALLED.

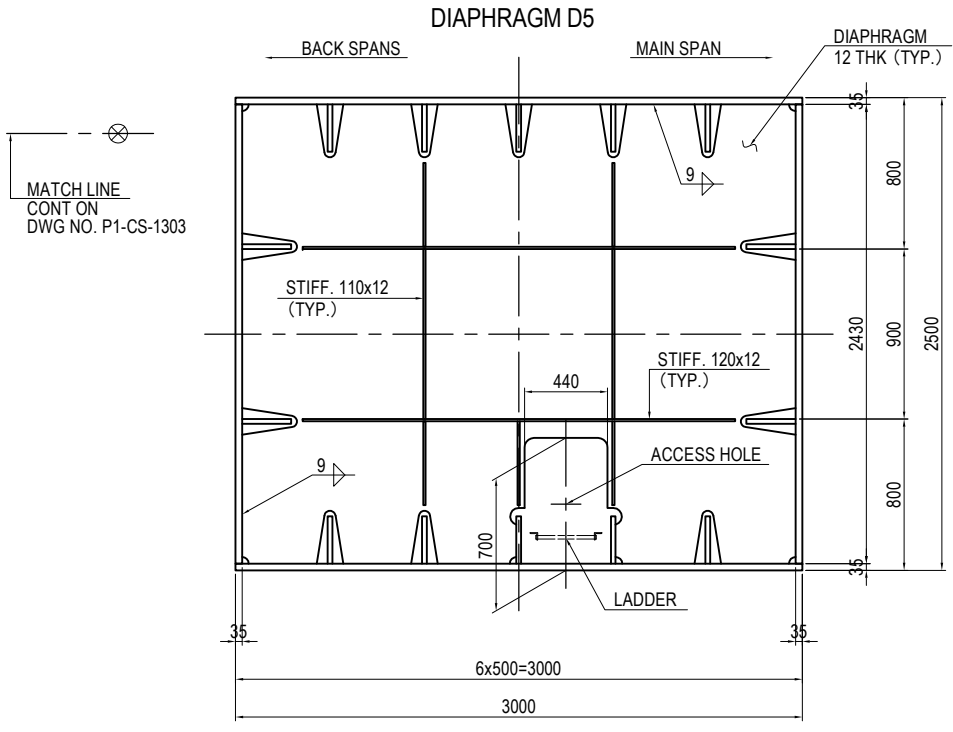
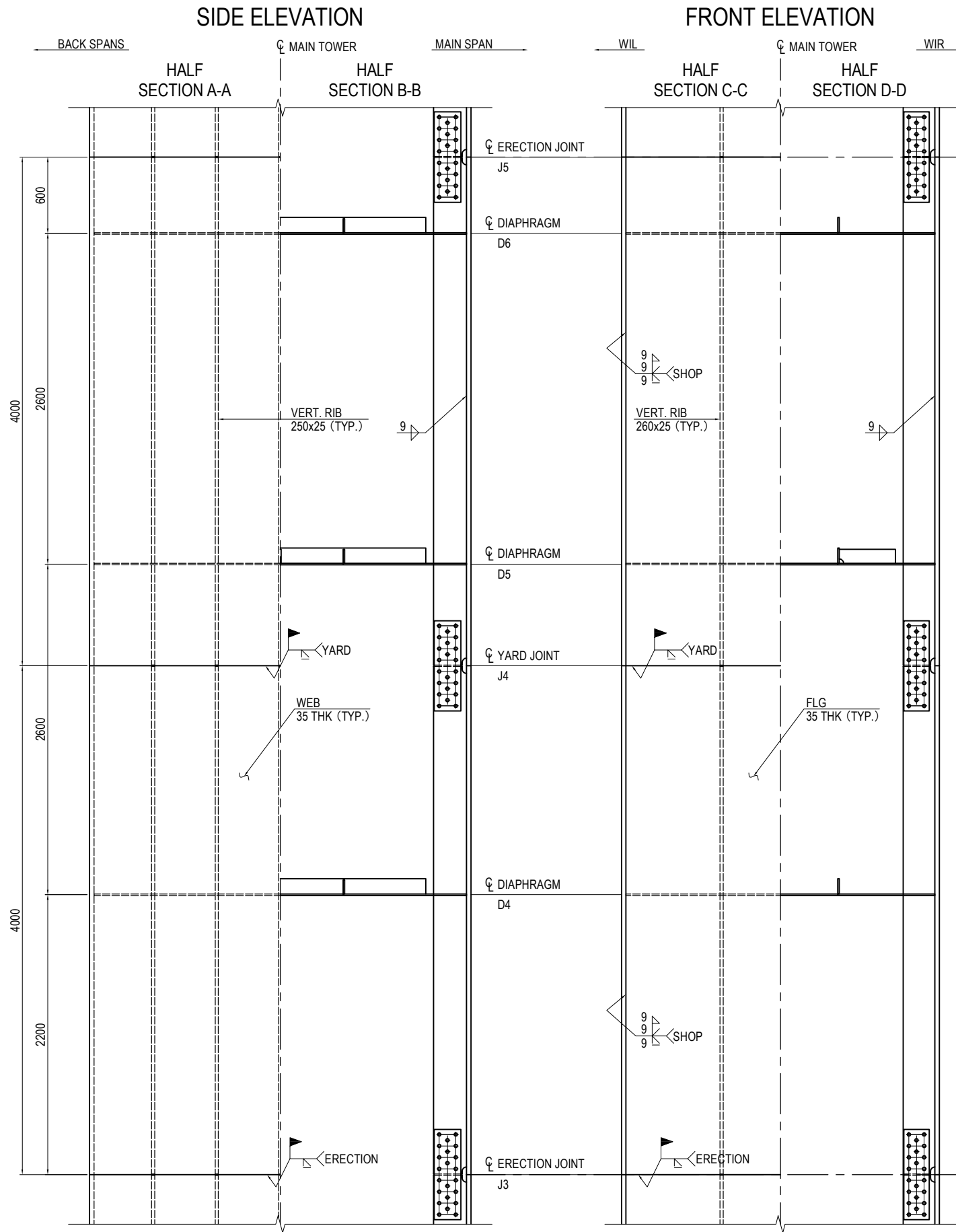


KEY DIAGRAM



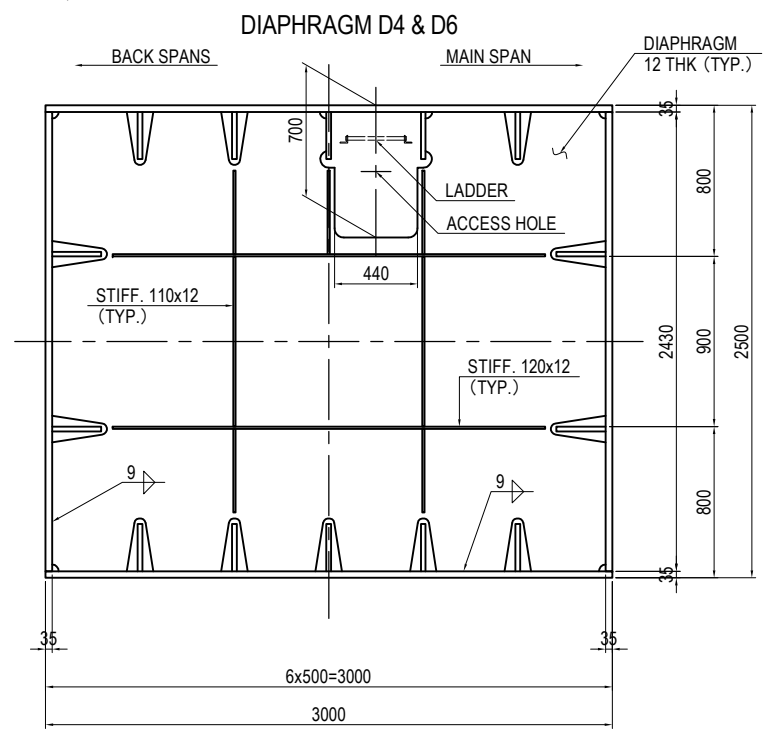
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1301

DETAIL OF MAIN TOWER (2) S=1:40



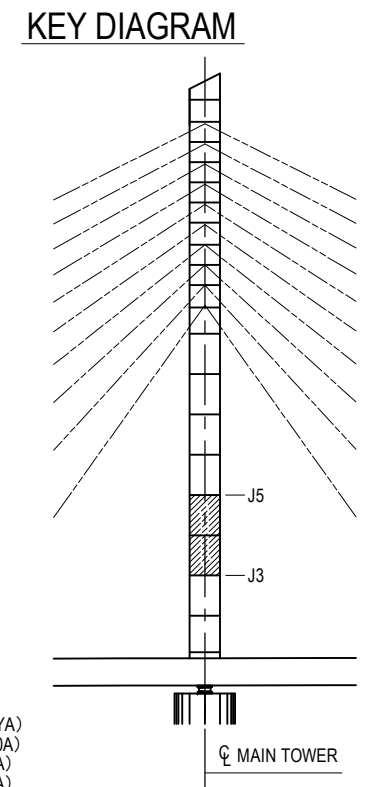
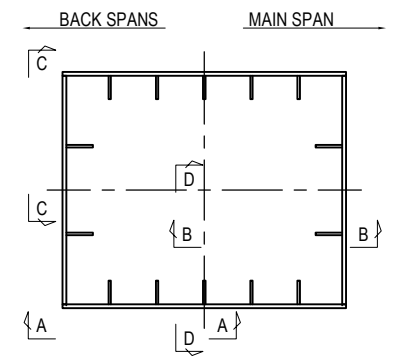
- 2-WEB PL 3000x35x4000 (SM490YB)
- 10-RIB PL 250x25x3990 (SM490YB)
- 2-FLG PL 2430x35x4000 (SM490YB)
- 4-RIB PL 260x25x3990 (SM490YB)

- 1-DIA PL 2930x12x2430 (SM490YA)
- 2-STIFF PL 120x12x2290 (SM400A)
- 2-STIFF PL 110x12x900 (SM400A)
- 5-STIFF PL 110x12x443 (SM400A)



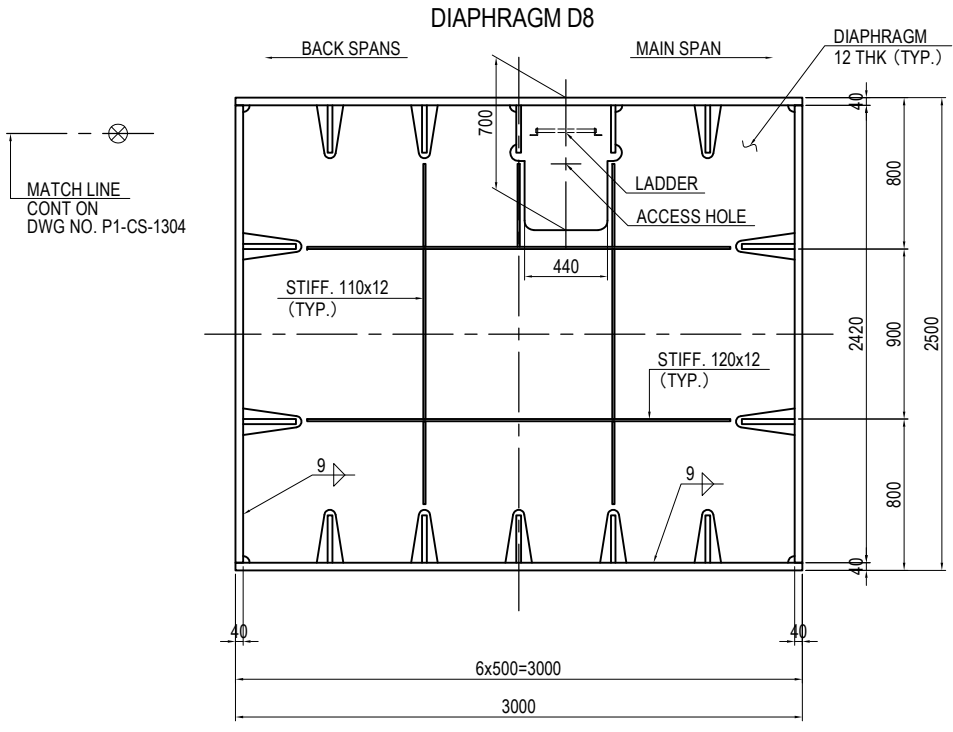
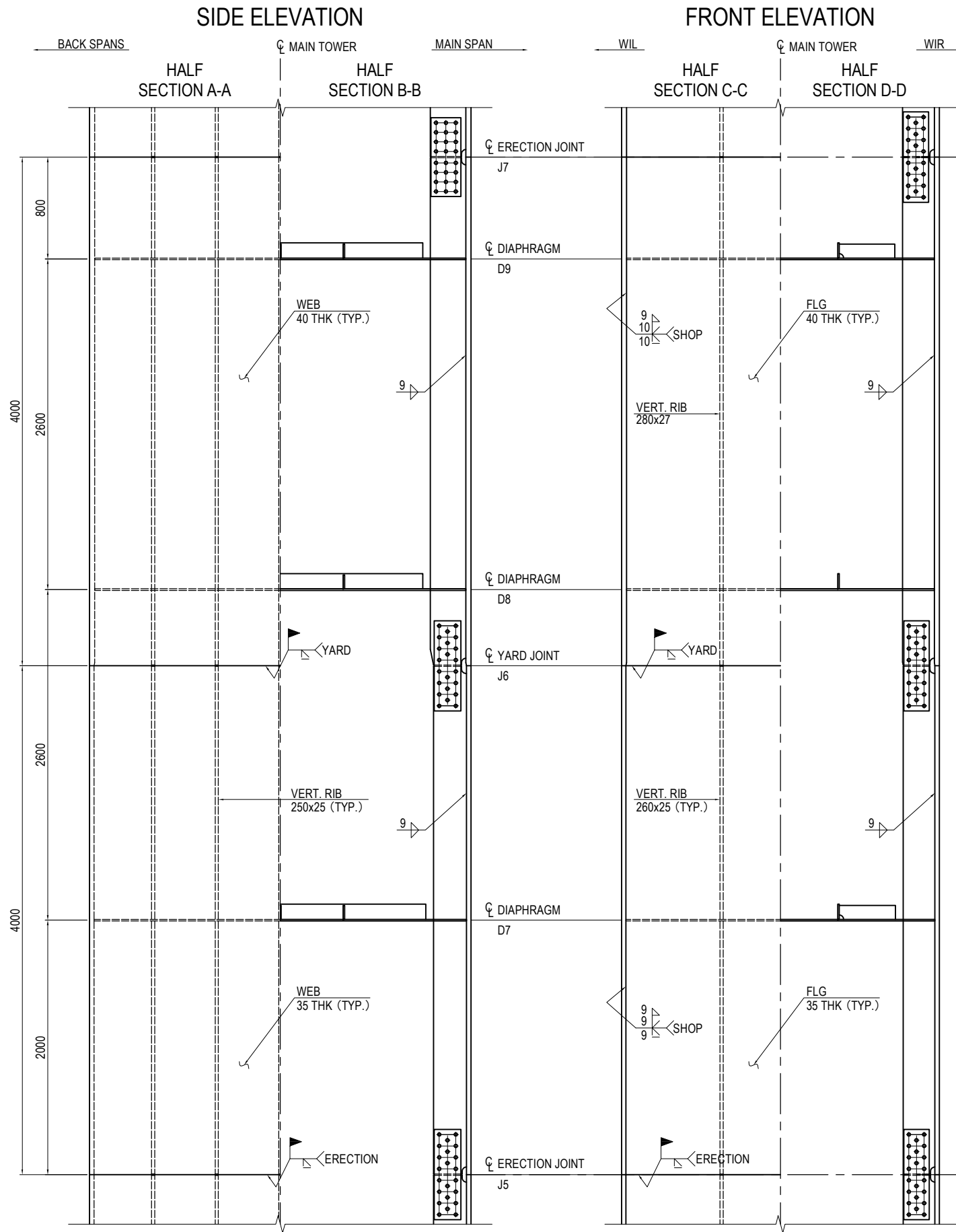
- 2-WEB PL 3000x35x4000 (SM490YB)
- 10-RIB PL 250x25x3990 (SM490YB)
- 2-FLG PL 2430x35x4000 (SM490YB)
- 4-RIB PL 260x25x3990 (SM490YB)

- 1-DIA PL 2930x12x2430 (SM490YA)
- 2-STIFF PL 120x12x2290 (SM400A)
- 2-STIFF PL 110x12x900 (SM400A)
- 5-STIFF PL 110x12x443 (SM400A)

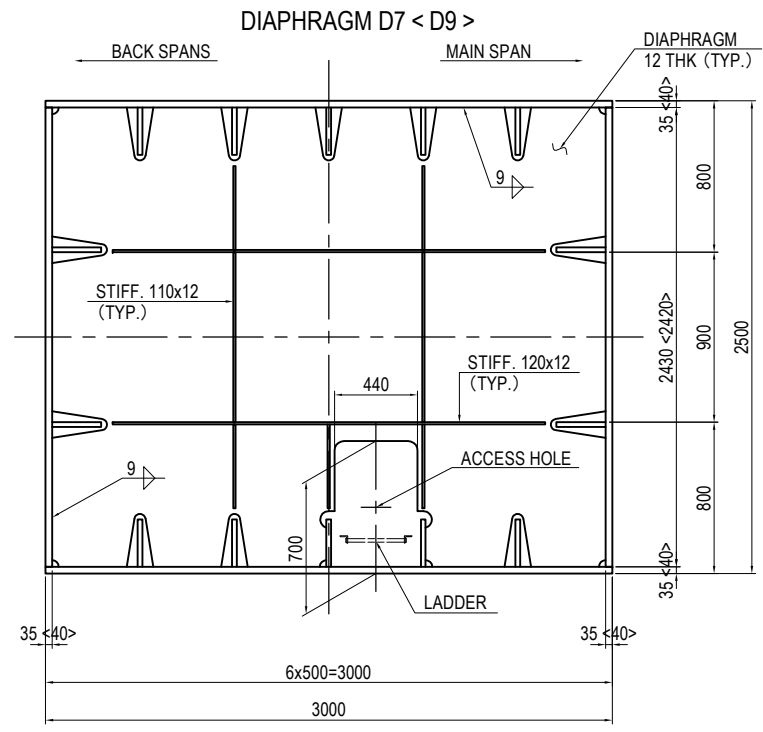


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">DETAIL OF MAIN TOWER (2)</h2>	PACKAGE 1 DWG No. P1-CS-1302
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

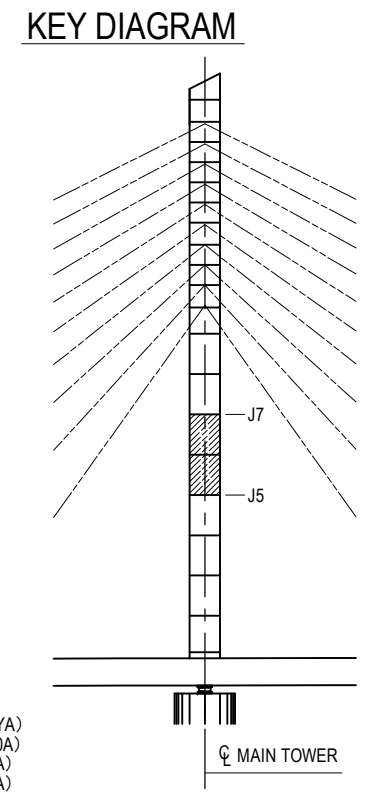
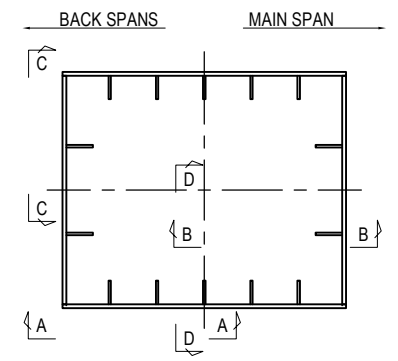
DETAIL OF MAIN TOWER (3) S=1:40



- 2-WEB PL 3000x40x4000 (SM490YB)
- 10-RIB PL 250x25x3990 (SM490YB)
- 2-FLG PL 2420x40x4000 (SM490YB)
- 4-RIB PL 280x27x3990 (SM490YB)
- 1-DIA PL 2920x12x2420 (SM490YA)
- 2-STIFF PL 120x12x2240 (SM400A)
- 2-STIFF PL 110x12x900 (SM400A)
- 5-STIFF PL 110x12x438 (SM400A)

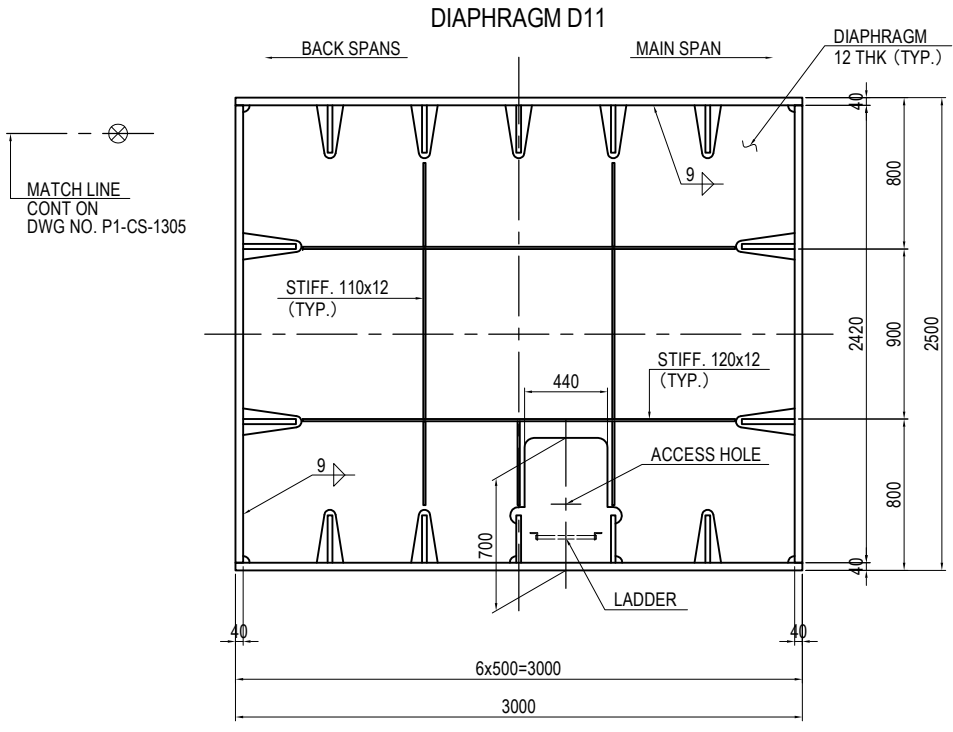
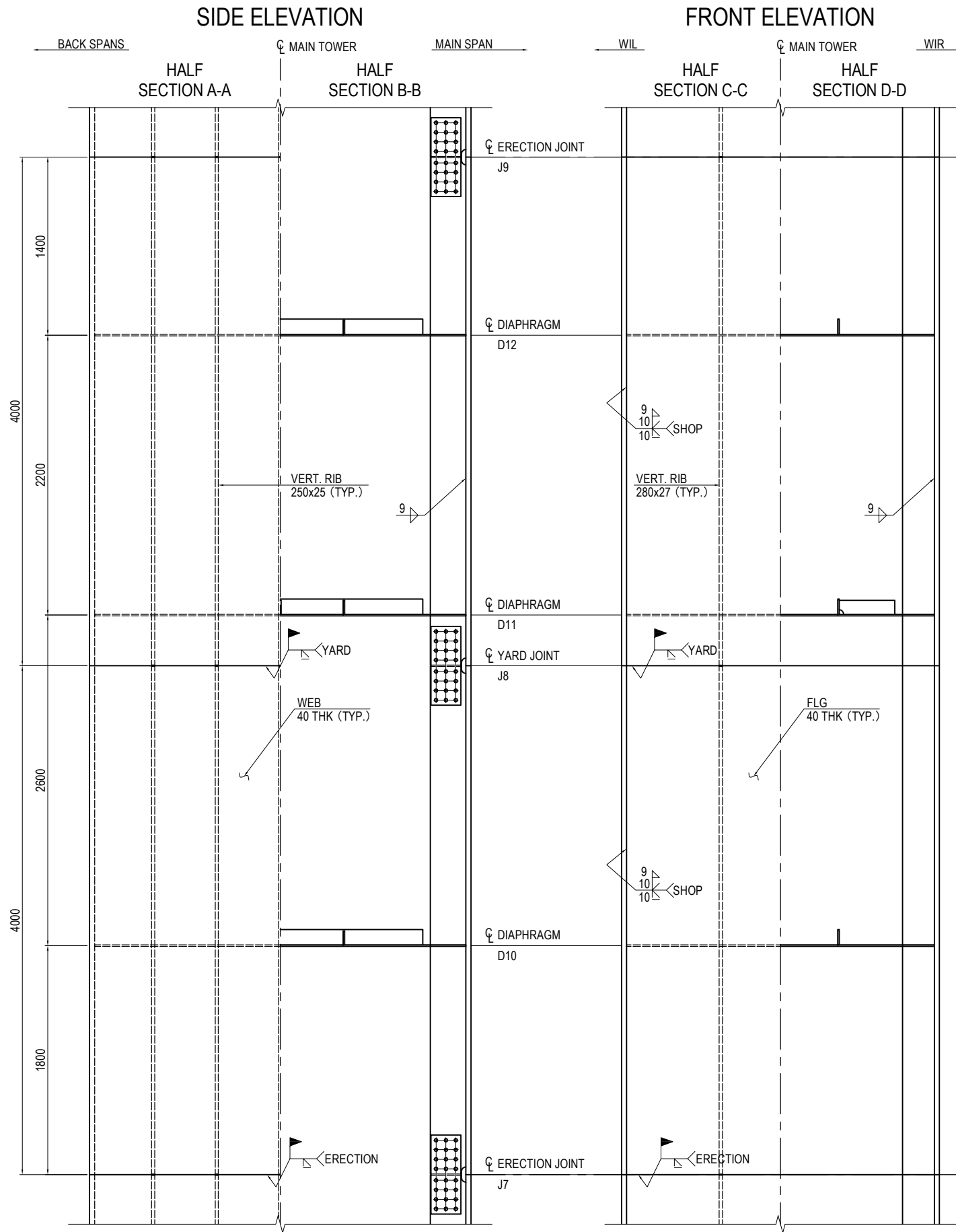


- 2-WEB PL 3000x35x4000 (SM490YB)
- 10-RIB PL 250x25x3990 (SM490YB)
- 2-FLG PL 2430x35x4000 (SM490YB)
- 4-RIB PL 260x25x3990 (SM490YB)
- 1-DIA PL 2930x12x2430 (SM490YA)
- 2-STIFF PL 120x12x2290 (SM400A)
- 2-STIFF PL 110x12x900 (SM400A)
- 5-STIFF PL 110x12x443 (SM400A)



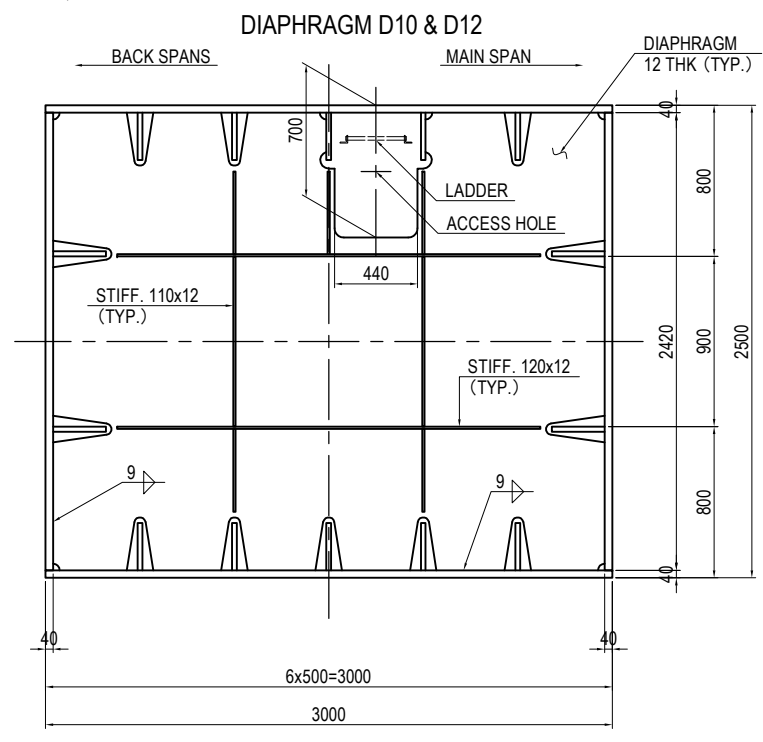
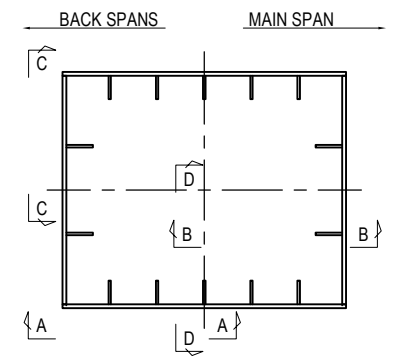
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">DETAIL OF MAIN TOWER (3)</h3>	PACKAGE 1 DWG No. P1-CS-1303
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

DETAIL OF MAIN TOWER (4) S=1:40



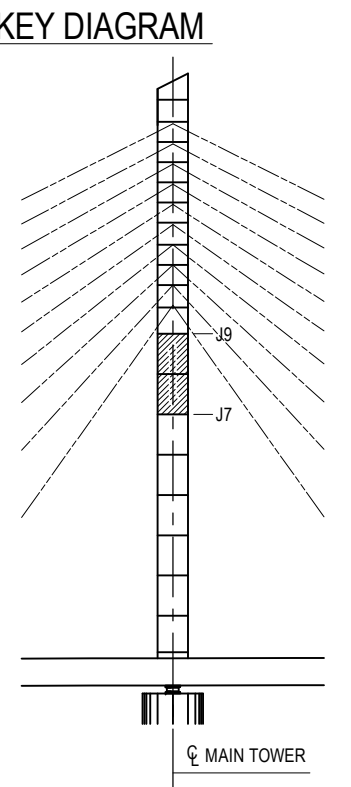
2-WEB PL 3000x40x4000 (SM490YB)
 10-RIB PL 250x25x3990 (SM490YB)
 2-FLG PL 2420x40x4000 (SM490YB)
 4-RIB PL 280x27x3990 (SM490YB)

1-DIA PL 2920x12x2420 (SM490YA)
 2-STIFF PL 120x12x2240 (SM400A)
 2-STIFF PL 110x12x900 (SM400A)
 5-STIFF PL 110x12x438 (SM400A)



2-WEB PL 3000x40x4000 (SM490YB)
 10-RIB PL 250x25x3990 (SM490YB)
 2-FLG PL 2430x40x4000 (SM490YB)
 4-RIB PL 280x27x3990 (SM490YB)

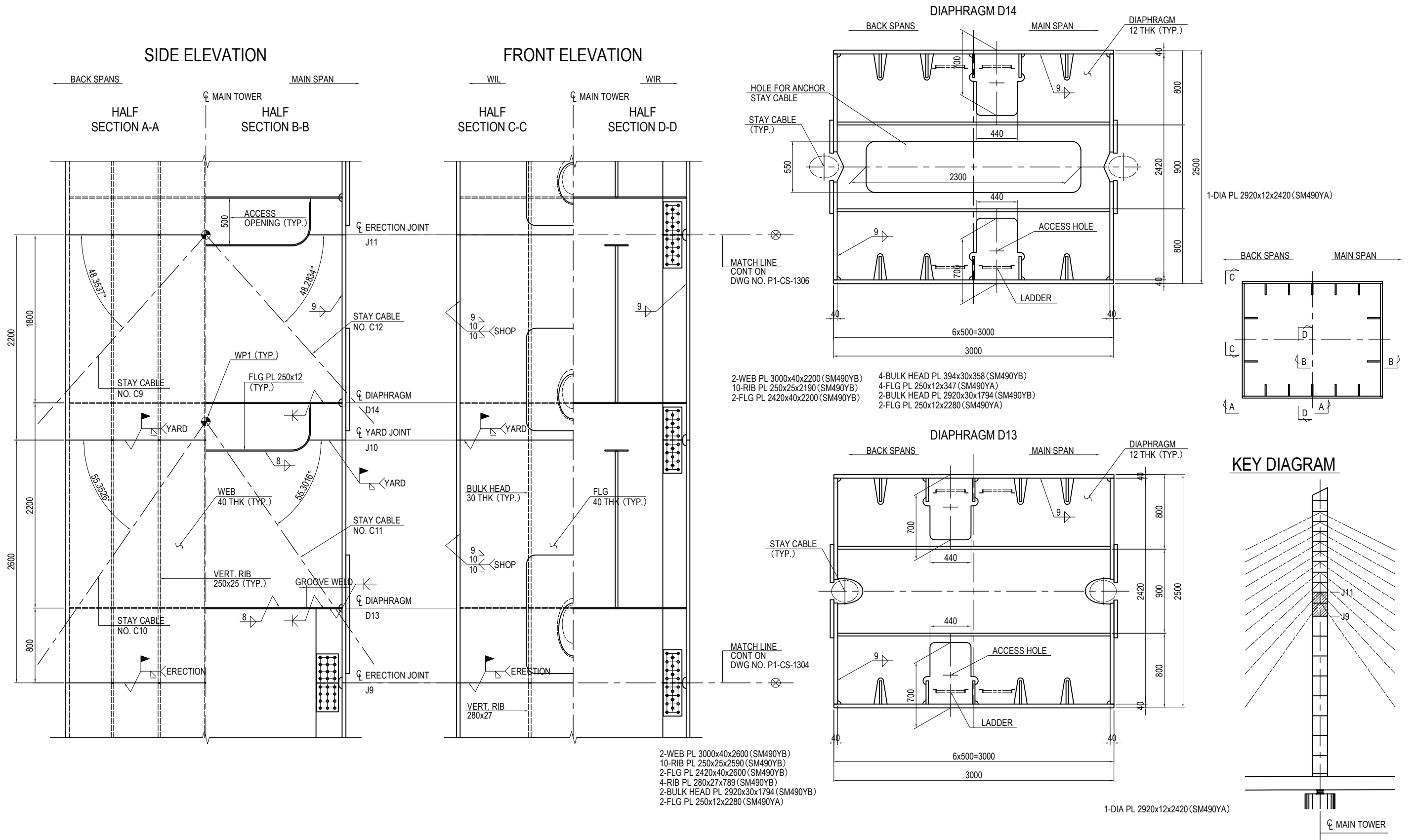
1-DIA PL 2920x12x2420 (SM490YA)
 2-STIFF PL 120x12x2240 (SM400A)
 2-STIFF PL 110x12x900 (SM400A)
 5-STIFF PL 110x12x438 (SM400A)



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">DETAIL OF MAIN TOWER (4)</h2>	PACKAGE 1 DWG No. P1-CS-1304
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

DETAIL OF MAIN TOWER (5) S=1:40

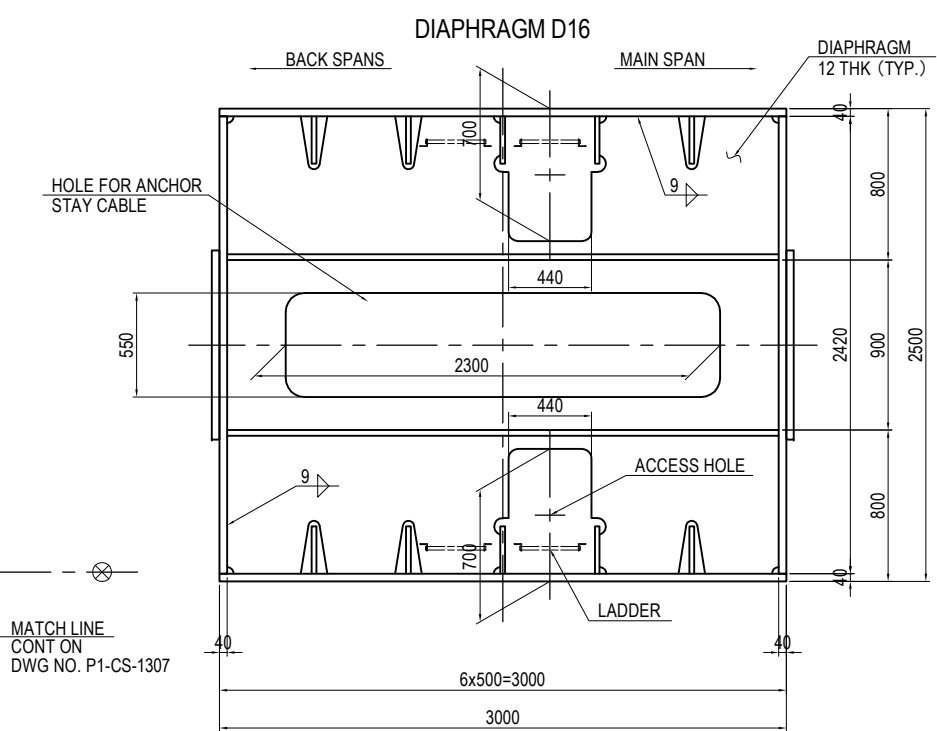
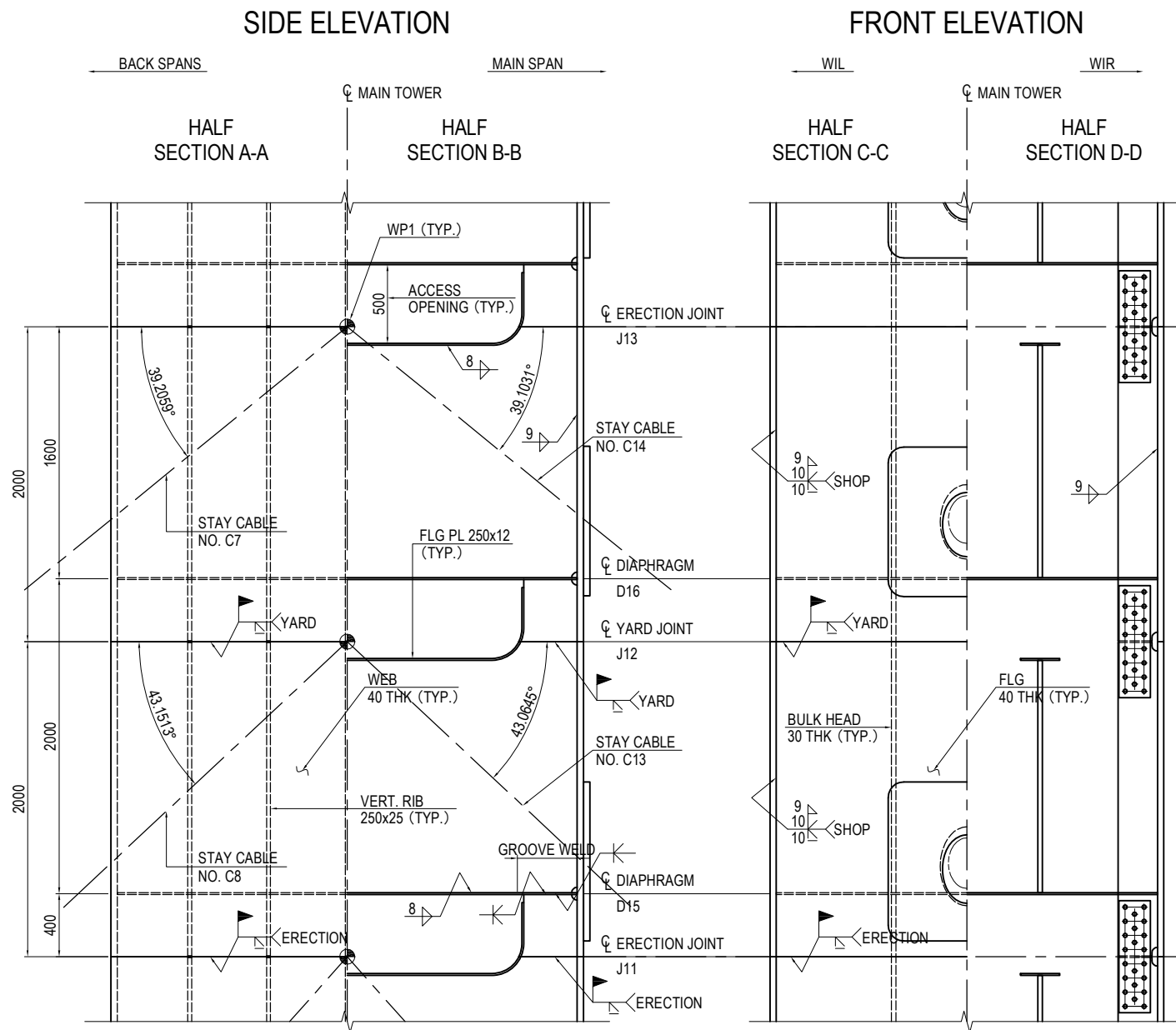
NOTES:
 1 - FOR STAY CABLE ANCHORAGE & HOLE FOR STAY CABLE DETAILS SEE DWG NO. P1-CS-1520 TO 1525.



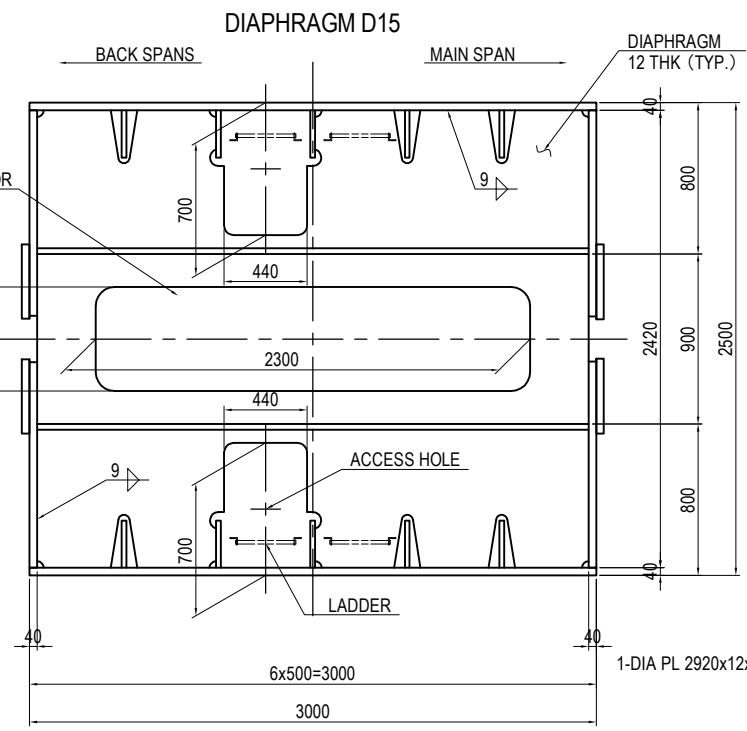
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (5)	PACKAGE
				PREPARED BY T. TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1305

DETAIL OF MAIN TOWER (6) S=1:40

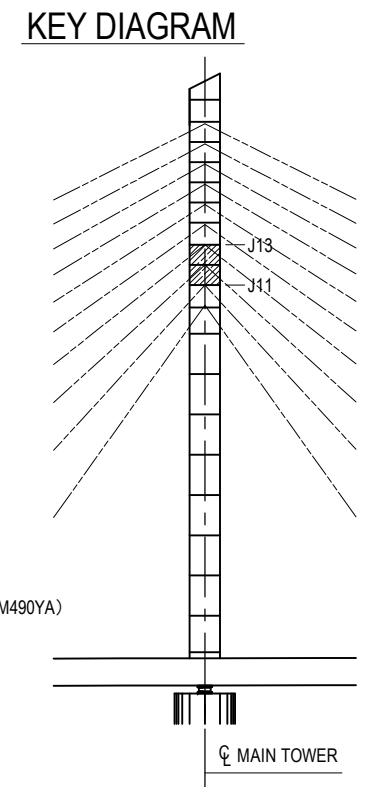
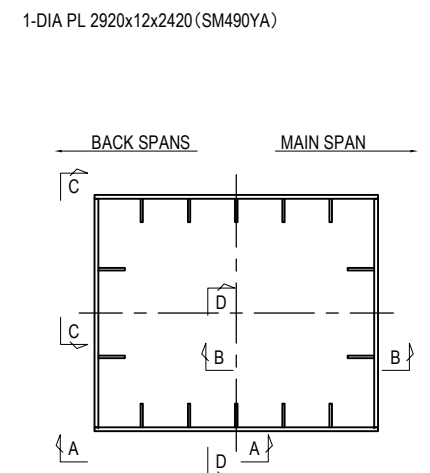
NOTES:
 1 - FOR STAY CABLE ANCHORAGE & HOLE FOR STAY CABLE DETAILS SEE DWG NO. P1-CS-1515 TO 1519.



- 2-WEB PL 3000x40x2000 (SM490YB)
- 10-RIB PL 250x25x1990 (SM490YB)
- 2-FLG PL 2420x40x2000 (SM490YB)
- 4-BULK HEAD PL 394x30x358 (SM490YB)
- 4-FLG PL 250x12x347 (SM490YA)
- 2-BULK HEAD PL 2920x30x1794 (SM490YB)
- 2-FLG PL 250x12x2280 (SM490YA)



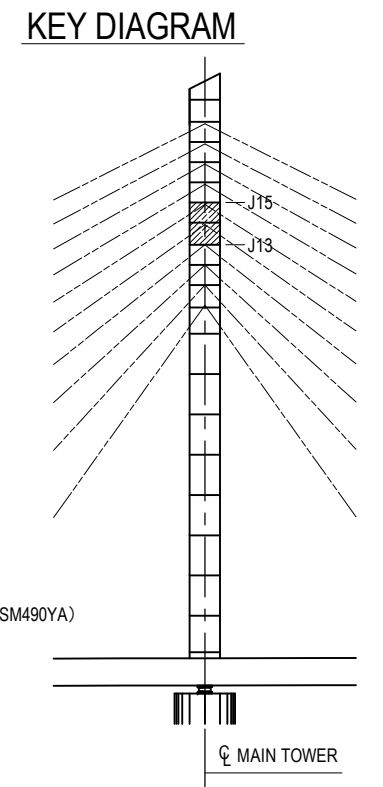
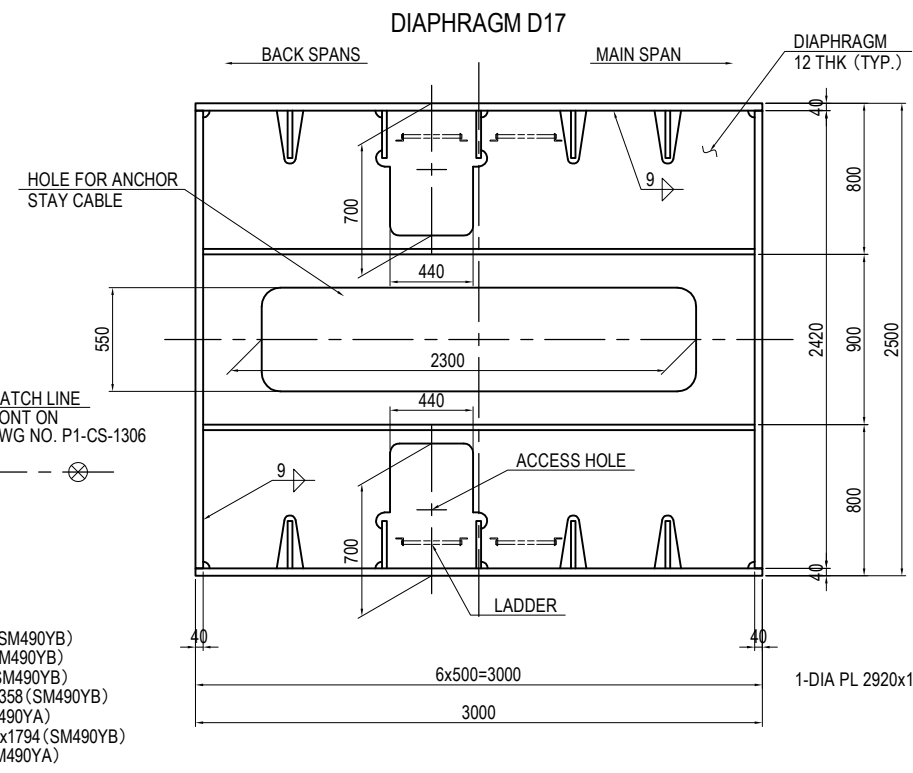
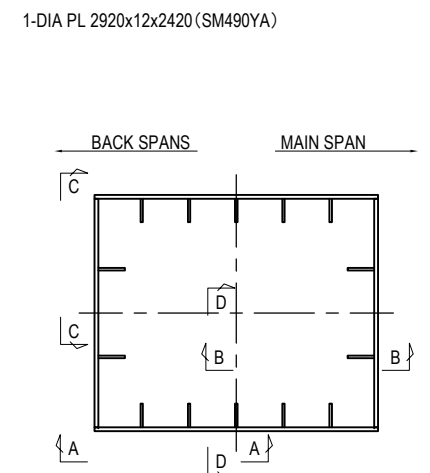
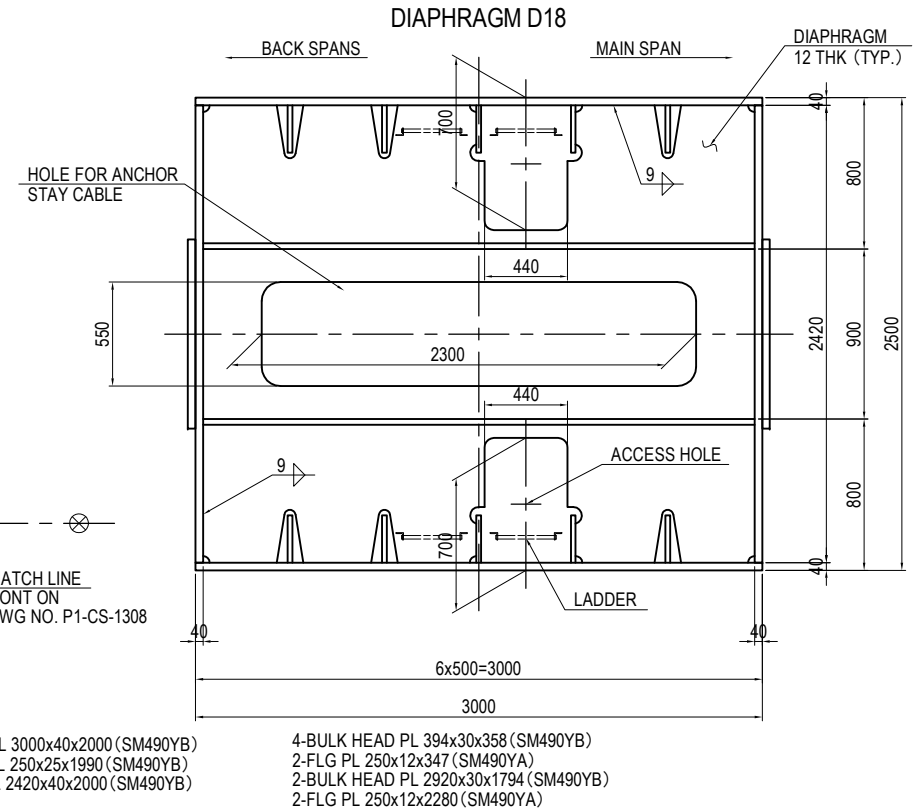
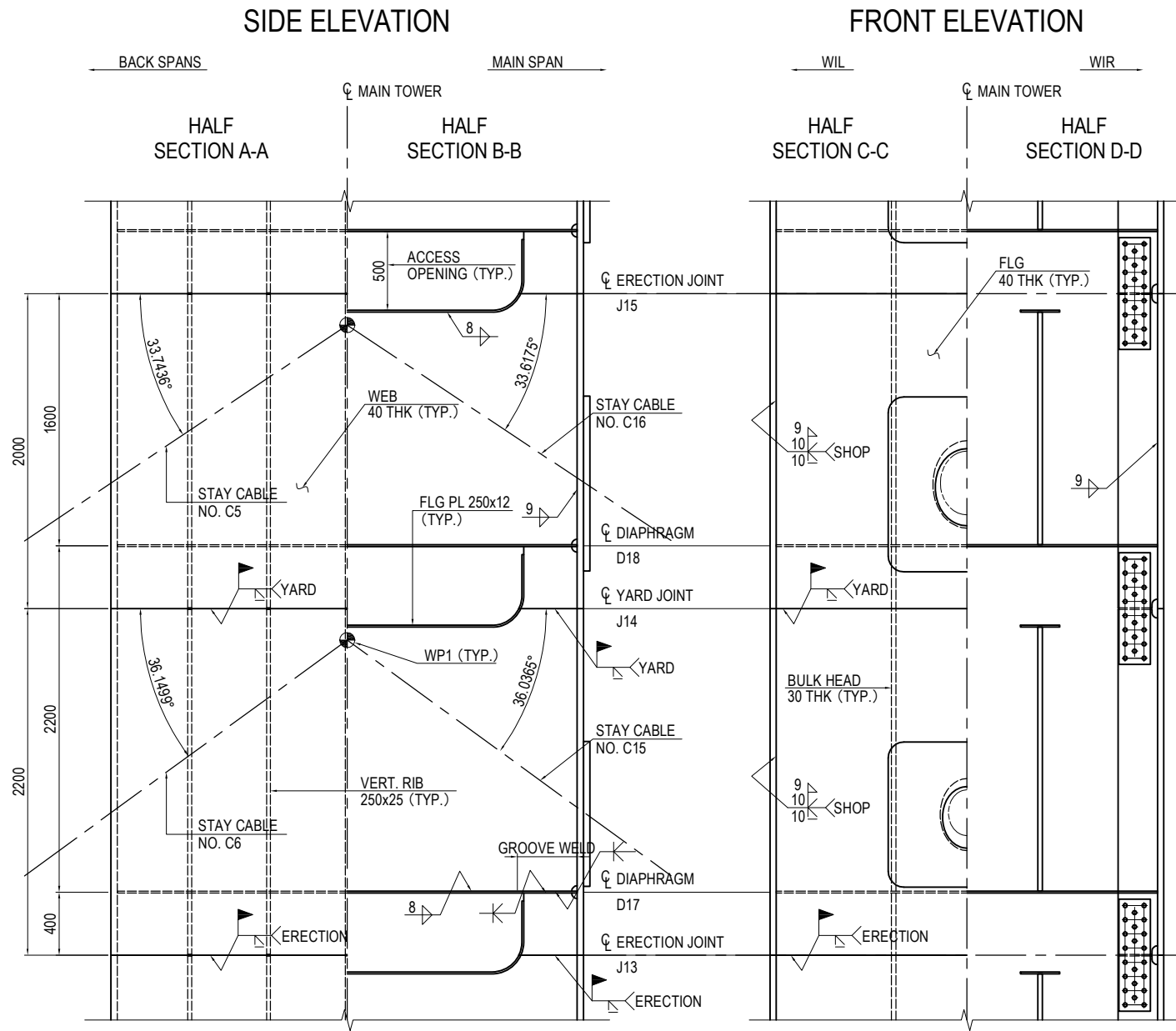
- 2-WEB PL 3000x40x2000 (SM490YB)
- 10-RIB PL 250x25x1990 (SM490YB)
- 2-FLG PL 2420x40x2000 (SM490YB)
- 4-BULK HEAD PL 394x30x358 (SM490YB)
- 4-FLG PL 250x12x347 (SM490YA)
- 2-BULK HEAD PL 2920x30x1794 (SM490YB)
- 2-FLG PL 250x12x2280 (SM490YA)



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (6)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1306

DETAIL OF MAIN TOWER (7) S=1:40

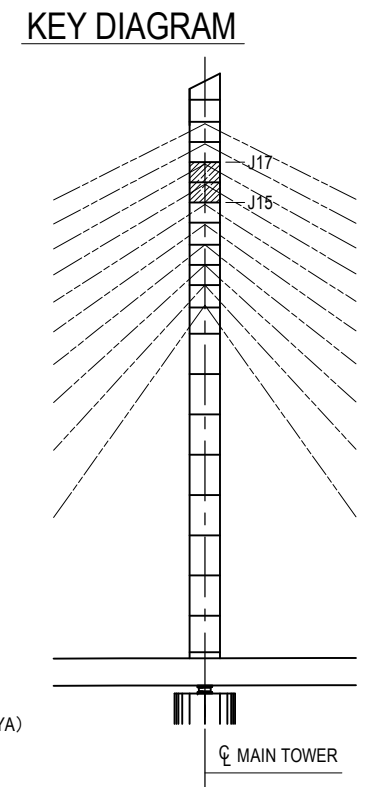
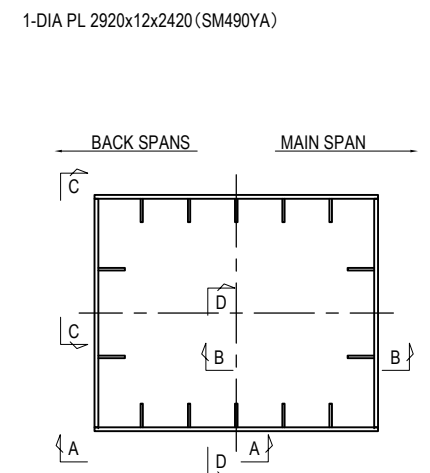
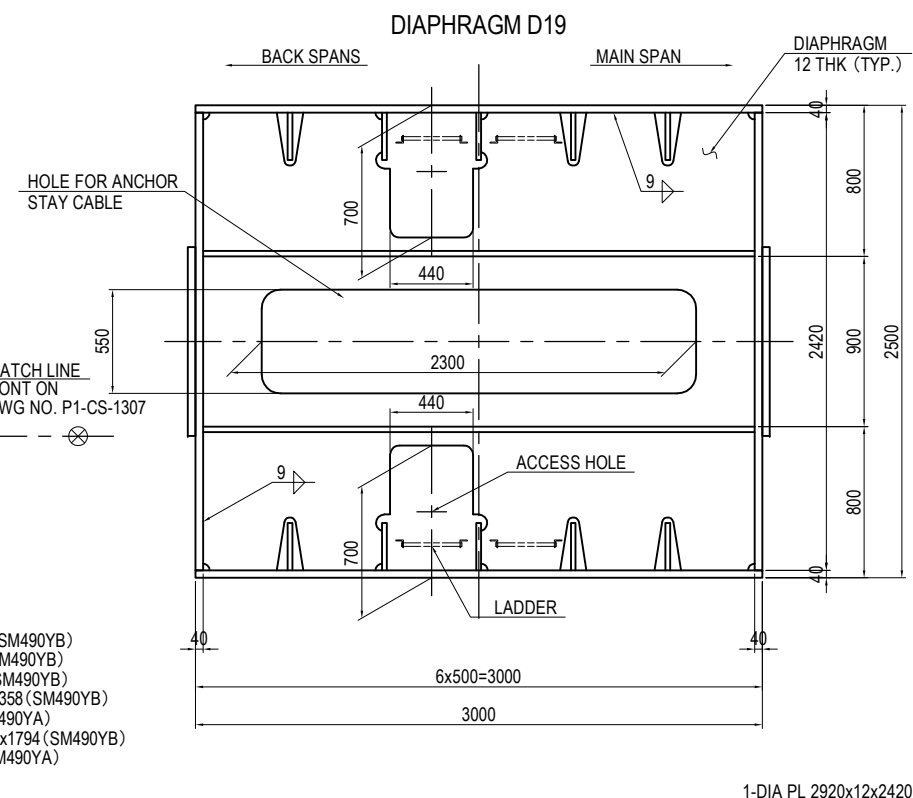
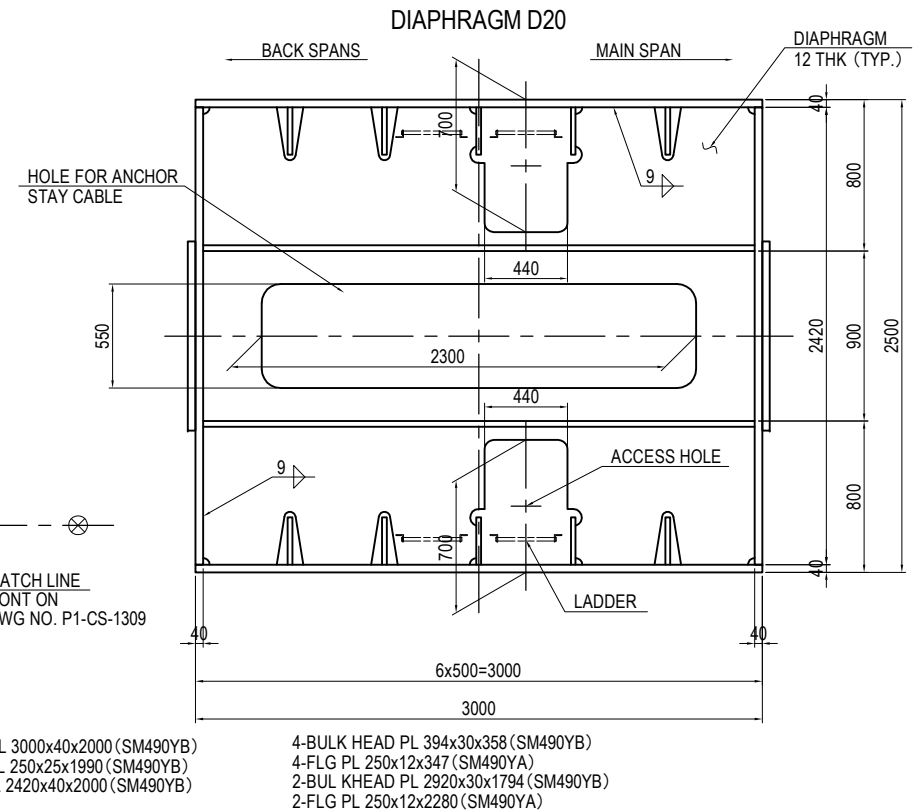
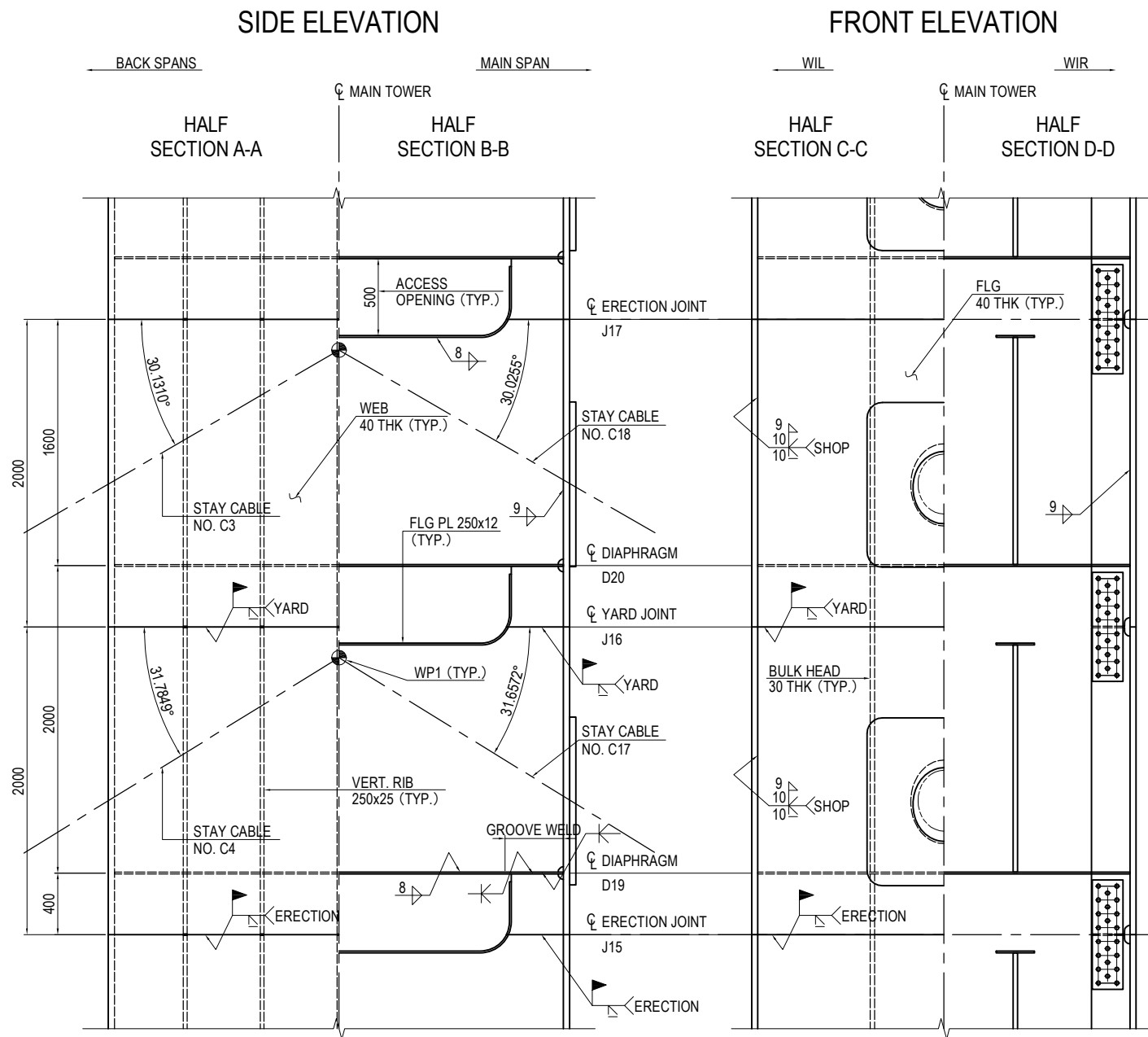
NOTES:
 1 - FOR STAY CABLE ANCHORAGE & HOLE FOR STAY CABLE DETAILS SEE DWG NO. P1-CS-1511 TO 1514.



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (7)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1307

DETAIL OF MAIN TOWER (8) S=1:40

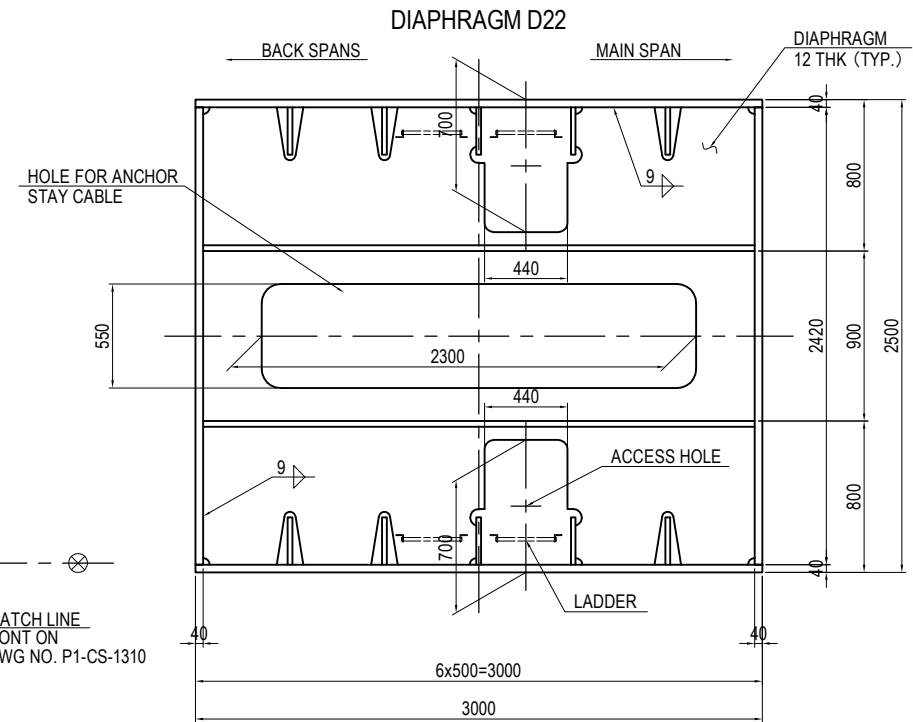
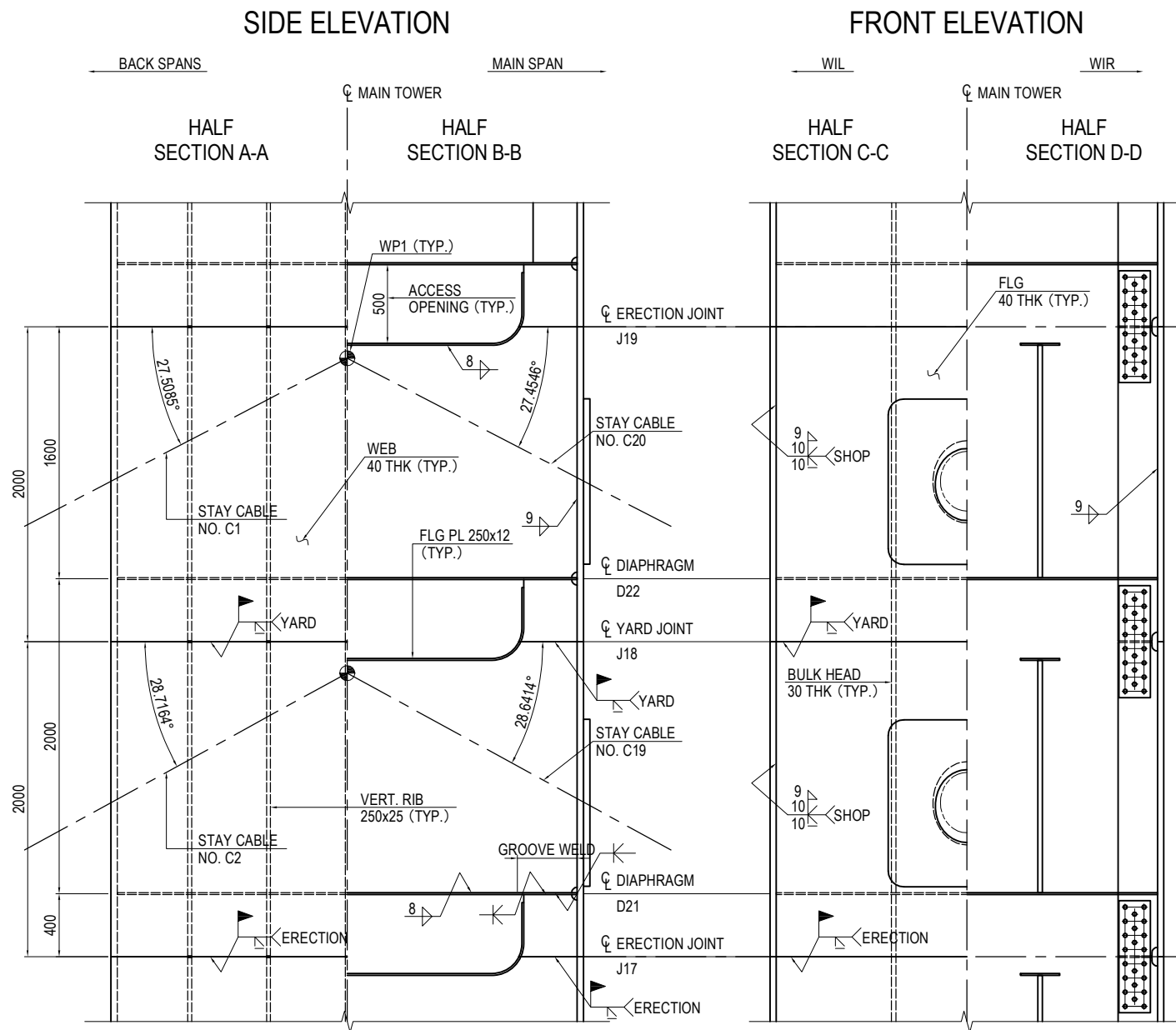
NOTES:
 1 - FOR STAY CABLE ANCHORAGE & HOLE FOR STAY CABLE DETAILS SEE DWG NO. P1-CS-1507 TO 1510.



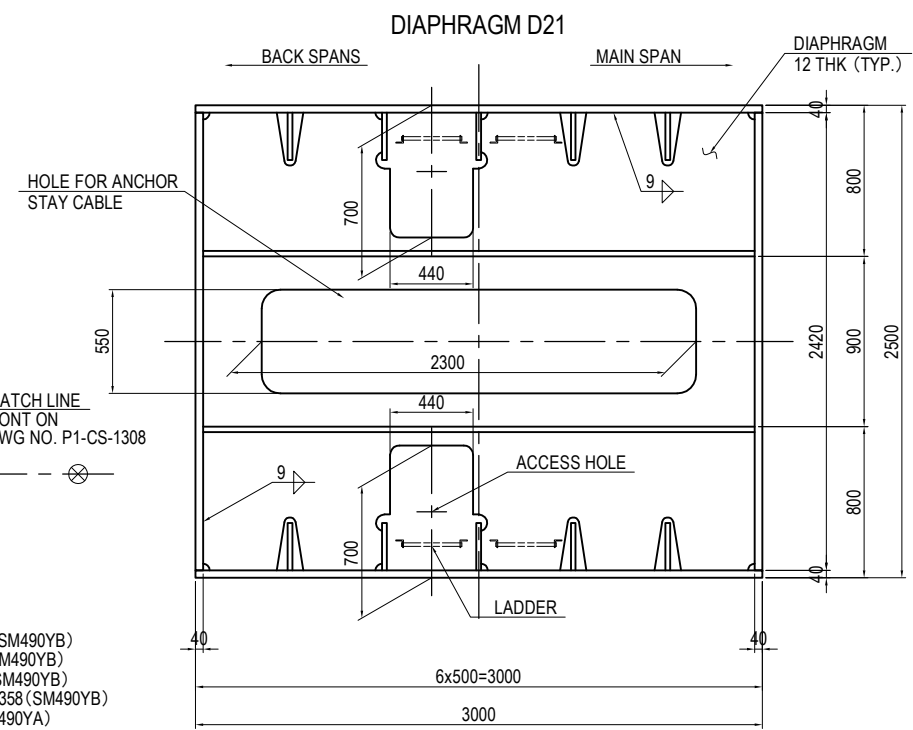
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (8)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1308

DETAIL OF MAIN TOWER (9) S=1:40

NOTES:
 1 - FOR STAY CABLE ANCHORAGE & HOLE FOR STAY CABLE DETAILS SEE DWG NO. P1-CS-1503 TO 1506.

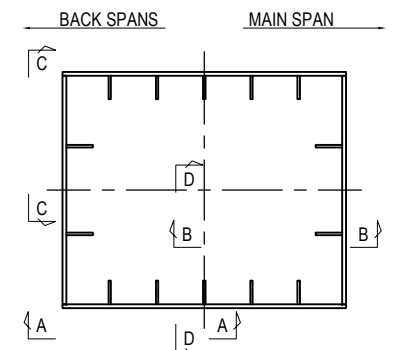


- 2-WEB PL 3000x40x2000 (SM490YB)
- 10-RIB PL 250x25x1990 (SM490YB)
- 2-FLG PL 2420x40x2000 (SM490YB)
- 4-BULK HEAD PL 394x30x358 (SM490YB)
- 4-FLG PL 250x12x347 (SM490YA)
- 2-BUL KHEAD PL 2920x30x1794 (SM490YB)
- 2-FLG PL 250x12x2280 (SM490YA)

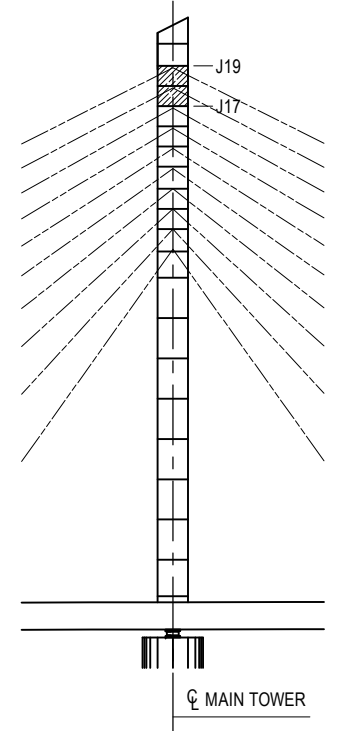


- 2-WEB PL 3000x40x2000 (SM490YB)
- 10-RIB PL 250x25x1990 (SM490YB)
- 2-FLG PL 2420x40x2000 (SM490YB)
- 4-BULK HEAD PL 394x30x358 (SM490YB)
- 4-FLG PL 250x12x347 (SM490YA)
- 2-BULK HEAD PL 2920x30x1794 (SM490YB)
- 2-FLG PL 250x12x2280 (SM490YA)

1-DIA PL 2920x12x2420 (SM490YA)



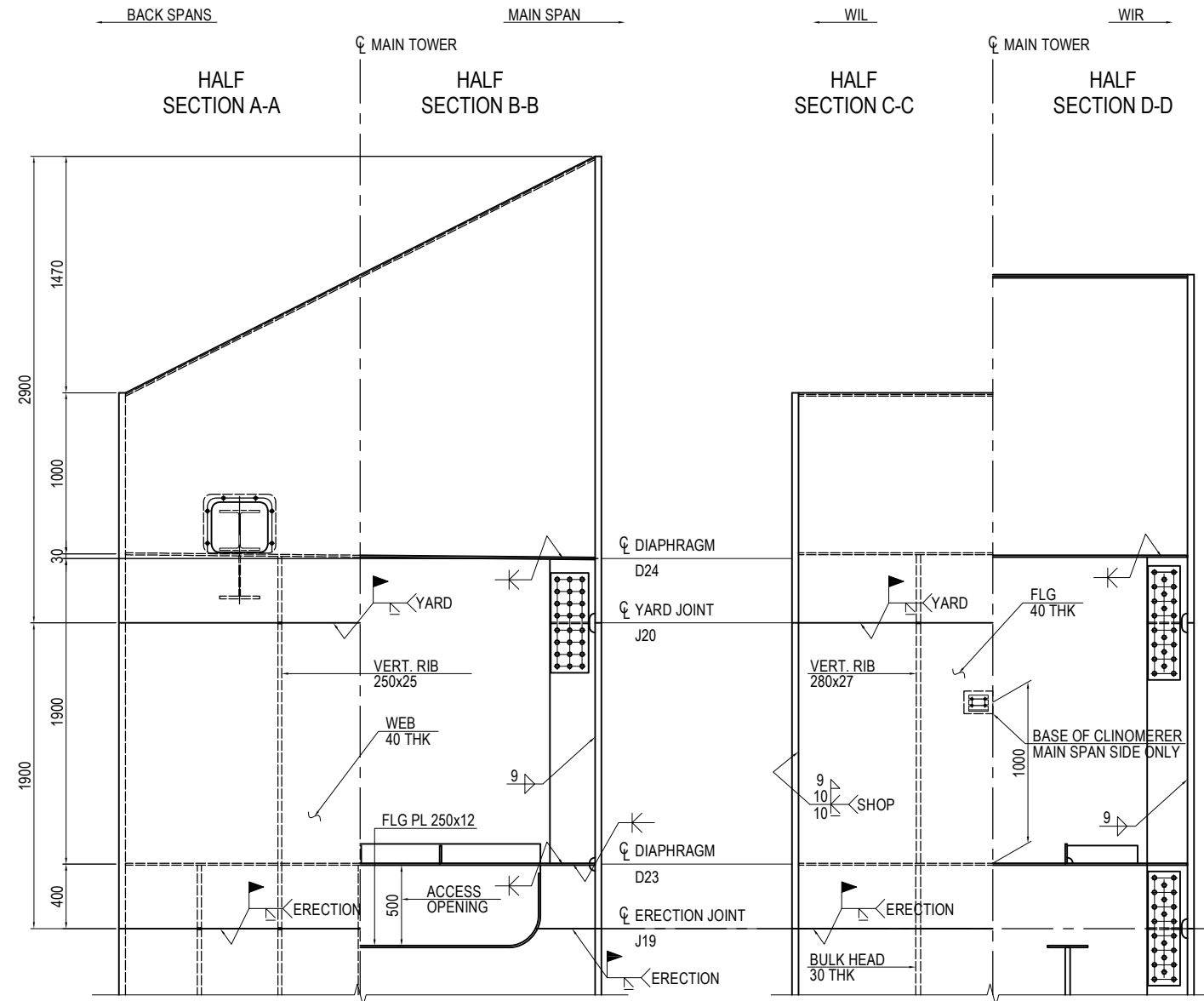
KEY DIAGRAM



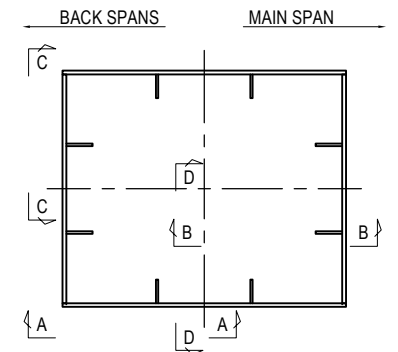
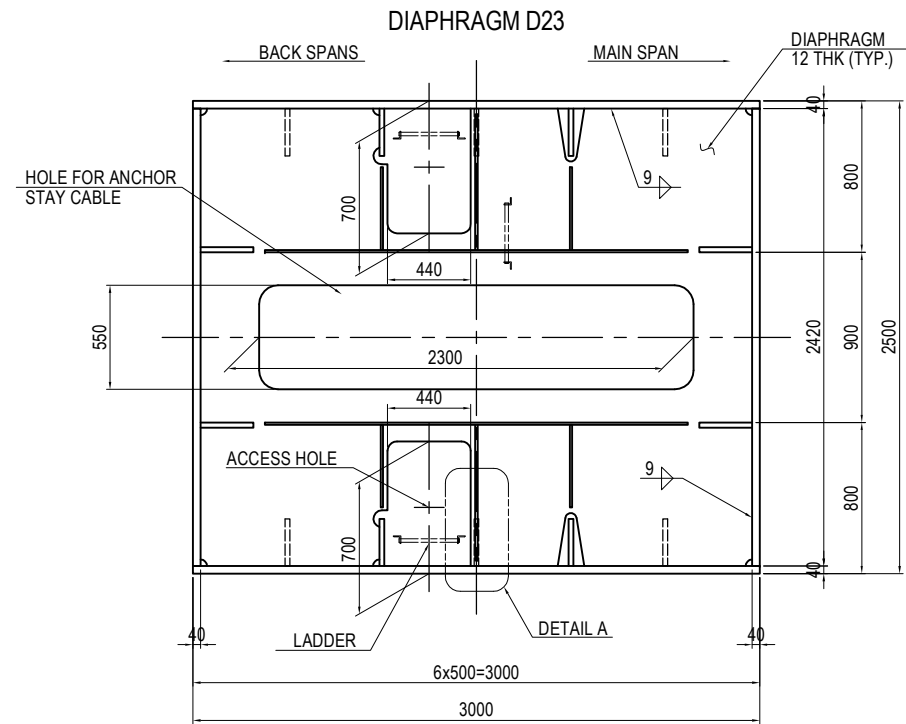
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (9)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1309

DETAIL OF MAIN TOWER (10) S=1:40

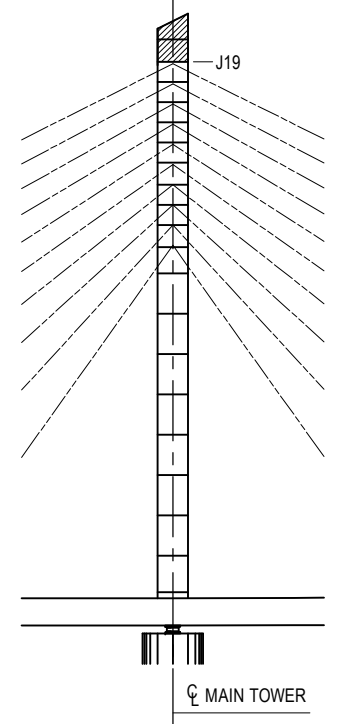
SIDE ELEVATION



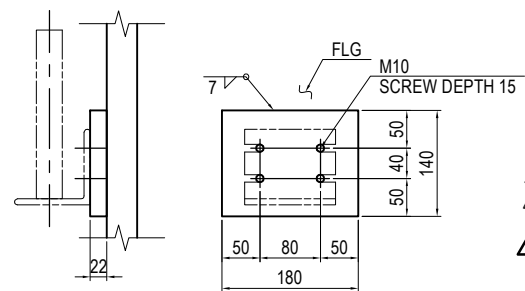
FRONT ELEVATION



KEY DIAGRAM



BASE OF CLINOMETER DETAIL S=1:10

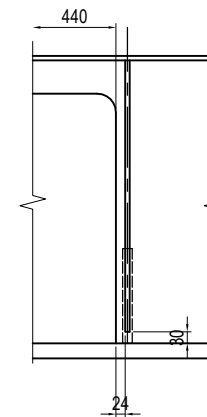


- 2-WEB PL 3000x40x1900 (SM490YB)
- 4-RIB PL 250x25x1890 (SM490YB)
- 6-RIB PL 250x25x389 (SM490YB)
- 2-FLG PL 2420x40x1900 (SM490YB)
- 4-RIB PL 280x27x1489 (SM490YB)
- 4-BULK HEAD PL 394x30x358 (SM490YB)
- 4-FLG PL 250x12x347 (SM490YA)

1-BASE PL 140x22x180 (SM400A)
4-BOLT M10x20 (SS400)

⚠️ ADJUST BOLT HOLES DIAMETER AND POSITION ACCORDING TO THE TYPE OF DEVICE INSTALLED.

DETAIL A S=1:20



- 1-DIA PL 2920x12x2420 (SM490YA)
- 2-STIFF PL 120x12x2240 (SM400A)
- 4-STIFF PL 110x12x438 (SM400A)
- 2-STIFF PL 110x12x718 (SM400A)

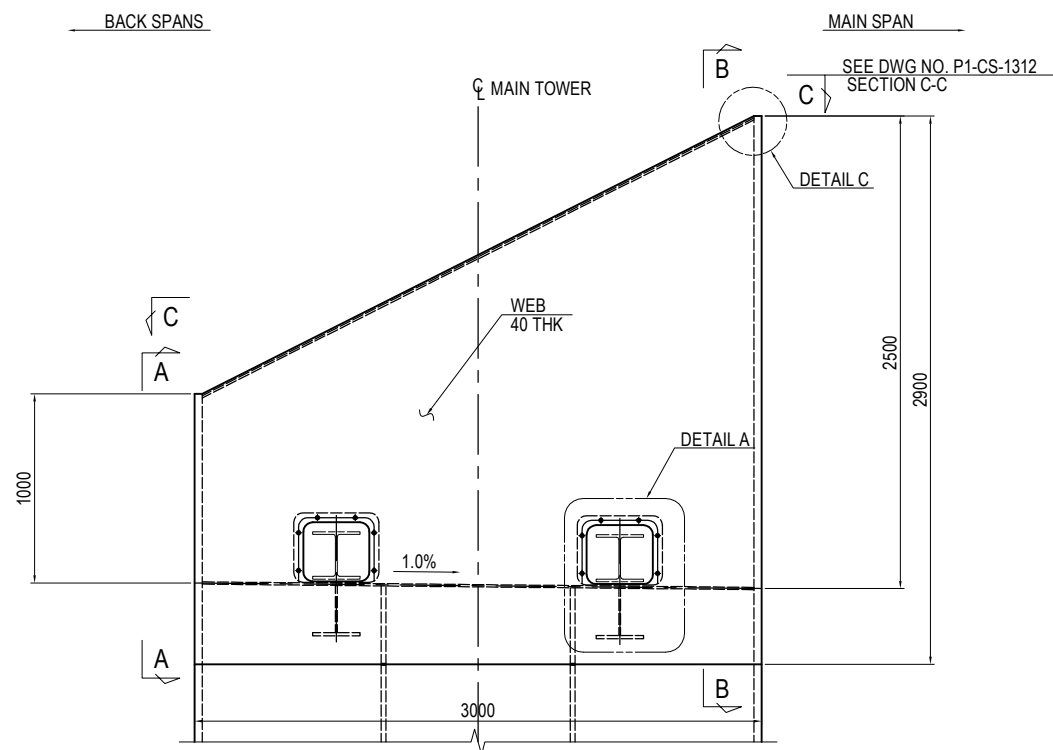
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">DETAIL OF MAIN TOWER (10)</h3>	PACKAGE 1 DWG No. P1-CS-1310
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

DETAIL OF MAIN TOWER (11) S=1:40

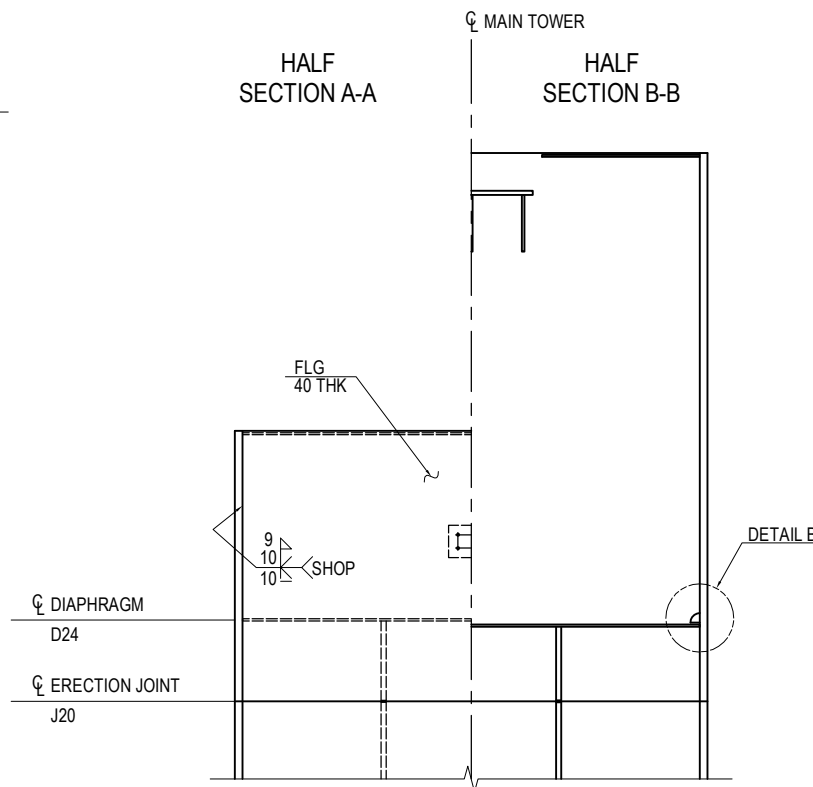
TOP OF MAIN TOWER

NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1310.

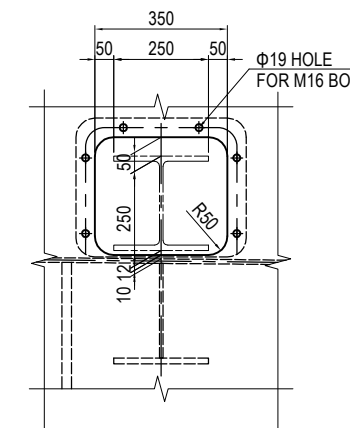
SIDE ELEVATION



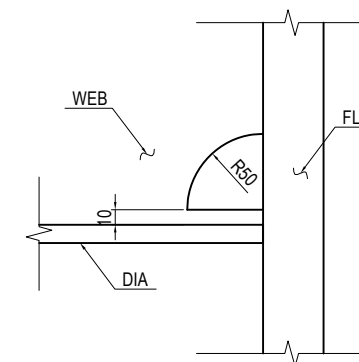
FRONT ELEVATION



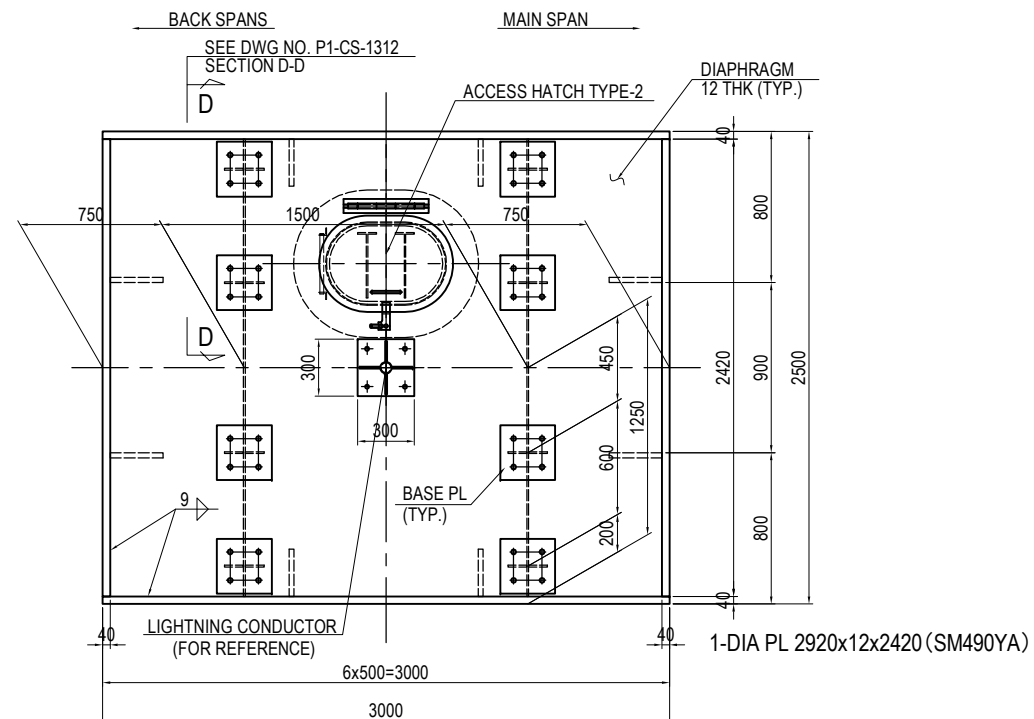
DETAIL A S=1:20



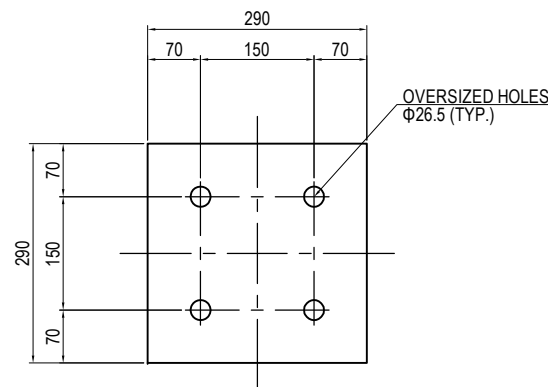
DETAIL B S=1:5



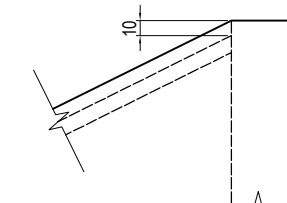
DIAPHRAGM D24



BASE PL DETAIL S=1:10



DETAIL C S=1:5



- 2-WEB PL 3000x40x2900 (SM490YB)
- 2-RIB PL 250x25x399 (SM490YB)
- 2-RIB PL 250x25x409 (SM490YB)
- 1-FLG PL 2420x40x2900 (SM490YB)
- 1-FLG PL 2420x40x1430 (SM490YB)
- 2-RIB PL 280x27x389 (SM490YB)
- 2-RIB PL 280x27x419 (SM490YB)

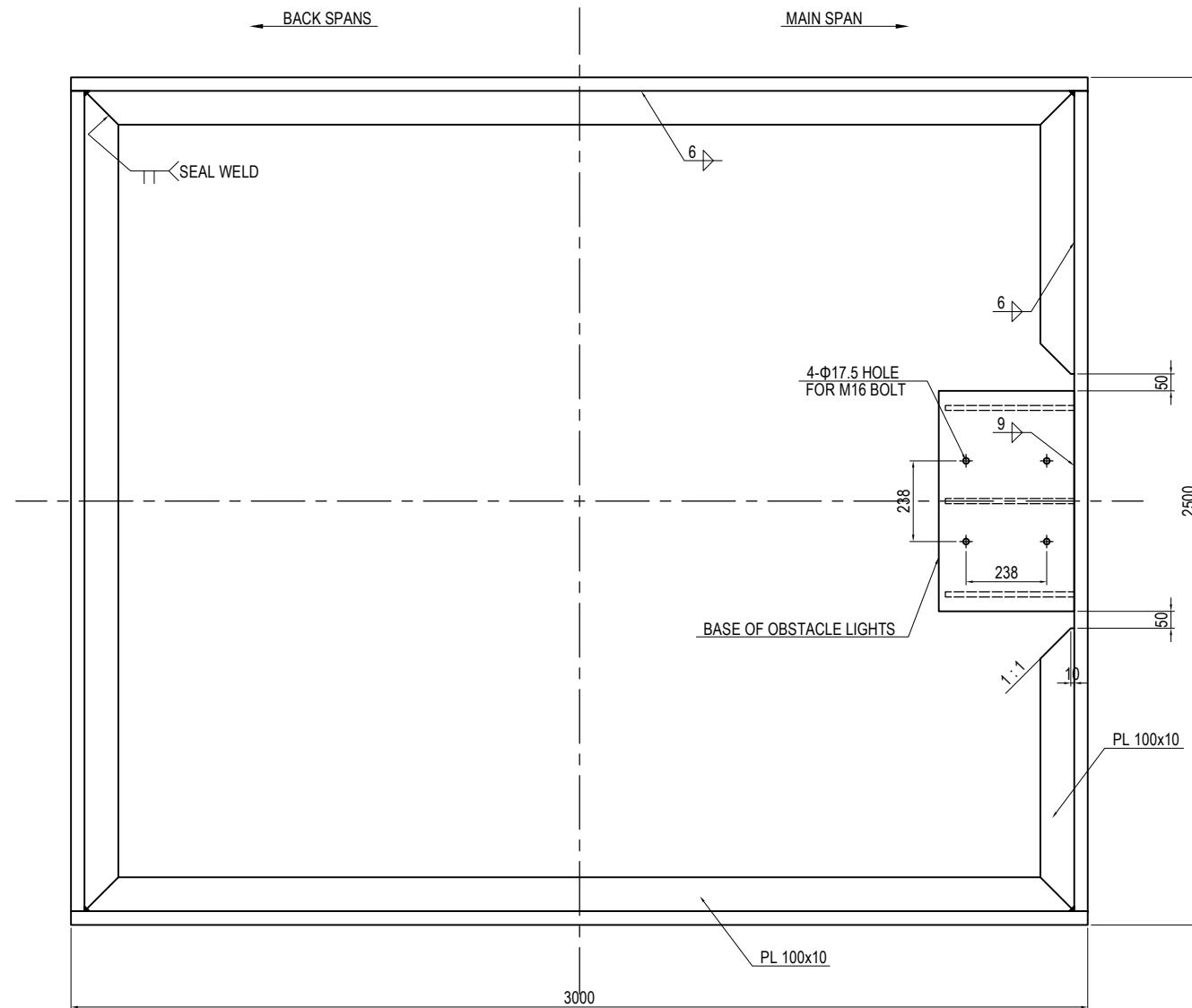
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (11)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1311

DETAIL OF MAIN TOWER (12) S=1:20

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1311.
 2 - SEE THE ELECTRICAL DRAWING FOR DETAILS ON AIRCRAFT WARNING LIGHTS.

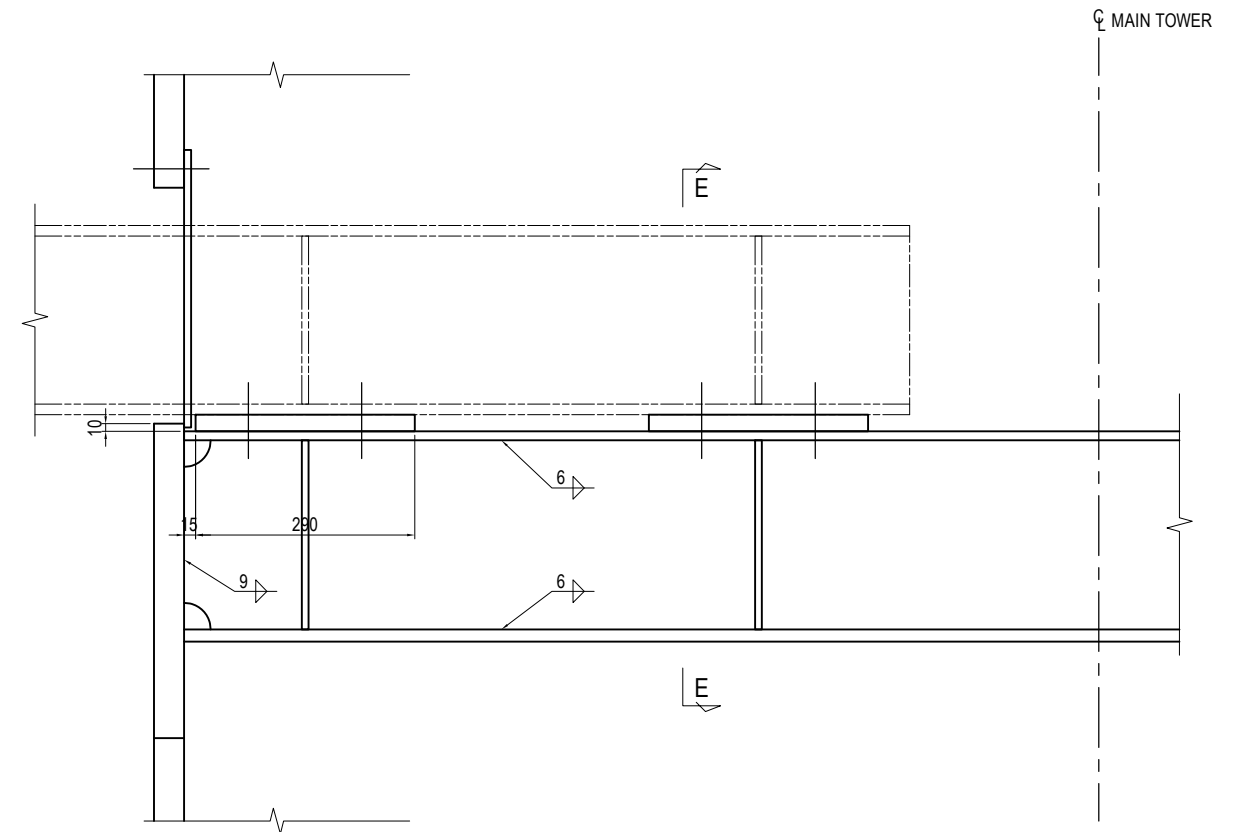
SECTION C-C

TOP OF MAIN TOWER



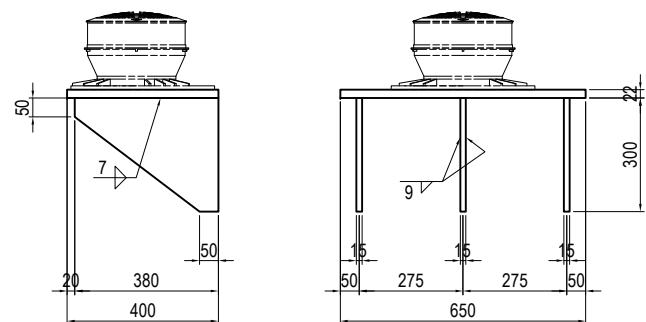
- 1-RIB PL 100x10x2420 (SM400A)
- 2-RIB PL 100x10x2920 (SM400A)
- 3-RIB PL 100x10x835 (SM400A)

SECTION D-D S=1:10



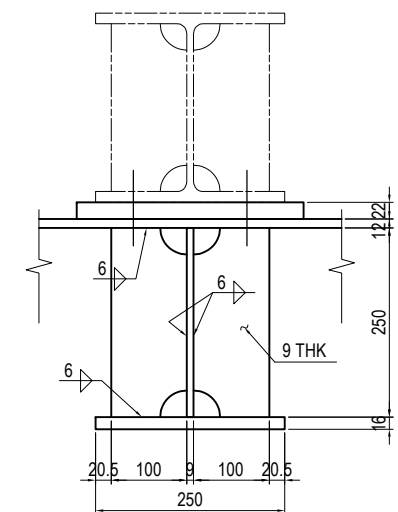
- 2-WEB PL 250x9x2420 (SM400A)
- 2-FLG PL 250x16x2420 (SM400A)
- 16-VSTF PL 100x9x250 (SM400A)
- 8-BASE PL 290x22x290 (SM400A)

BASE OF AIRCRAFT WARNING LIGHTS DETAIL



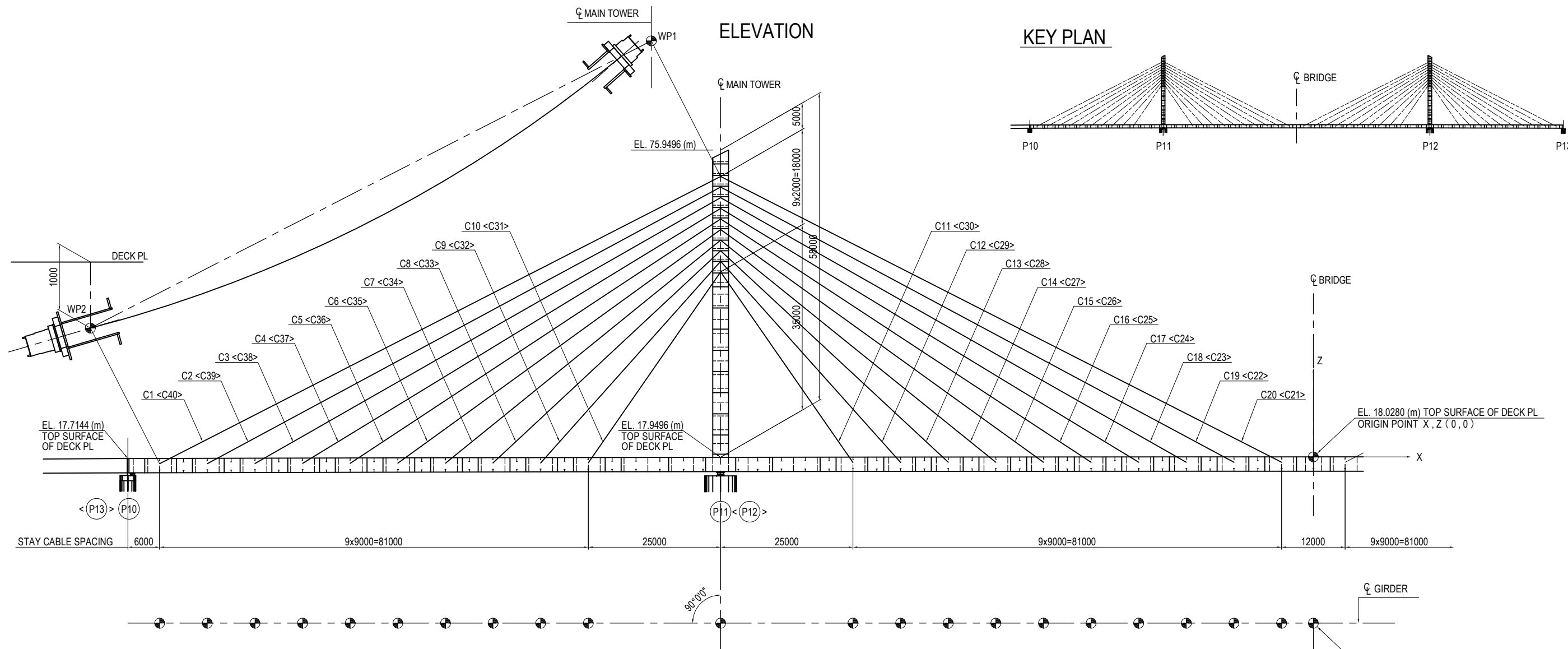
- 1-BASE PL 400x22x650 (SM400A)
- 3-RIB PL 300x15x380 (SM400A)

SECTION E-E S=1:10



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MAIN TOWER (12)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1312

STAY CABLE ARRANGEMENT & COORDINATES S=1:800

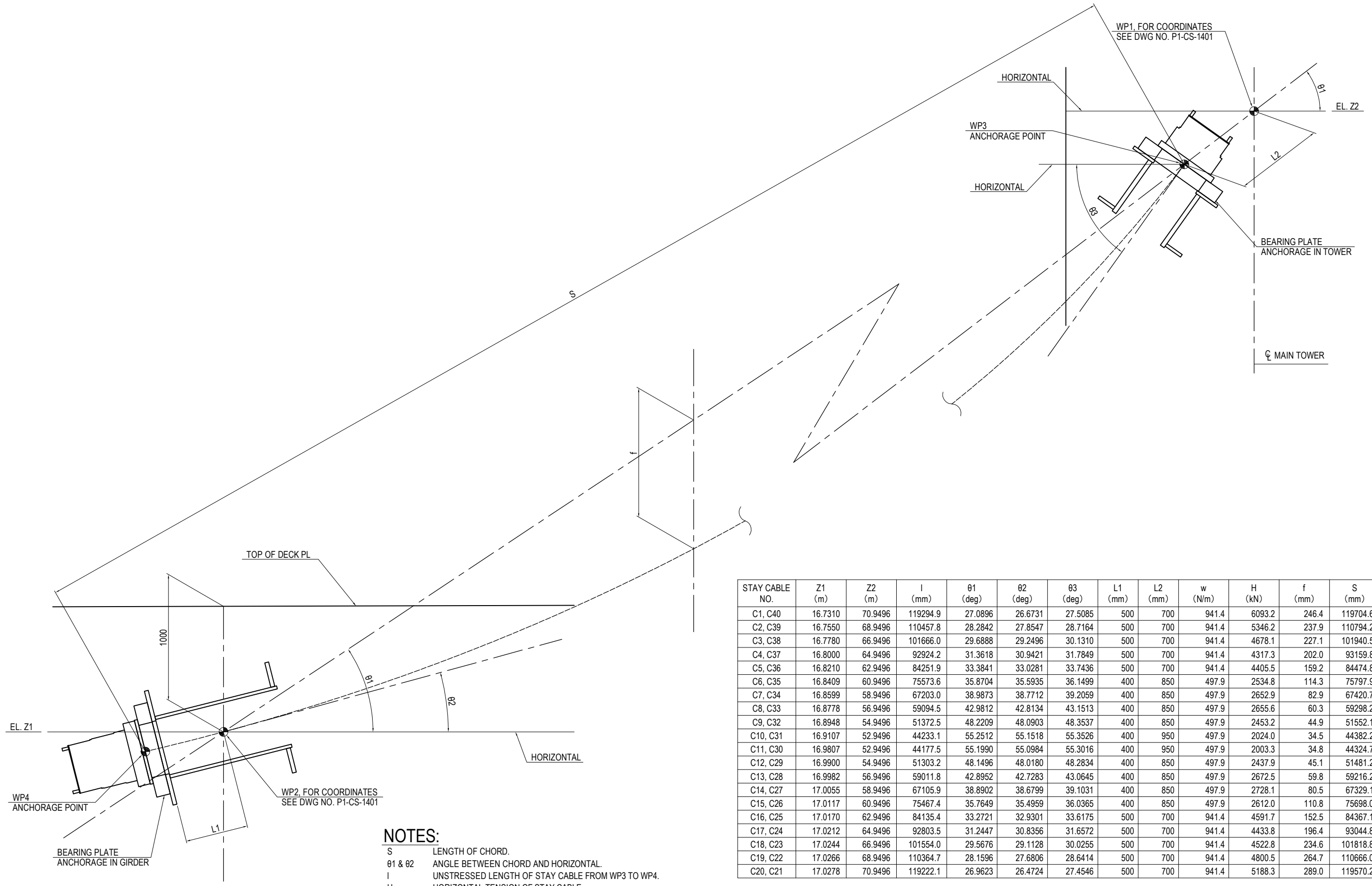


STAY CABLE NO.	WP1			WP2		
	X (m)	Y (m)	Z (m)	X (m)	Y (m)	Z (m)
C1	-112.0000	0.0000	52.9216	-218.0000	0.0000	-1.2970
C2	-112.0000	0.0000	50.9216	-209.0000	0.0000	-1.2730
C3	-112.0000	0.0000	48.9216	-200.0000	0.0000	-1.2500
C4	-112.0000	0.0000	46.9216	-191.0000	0.0000	-1.2280
C5	-112.0000	0.0000	44.9216	-182.0000	0.0000	-1.2070
C6	-112.0000	0.0000	42.9216	-173.0000	0.0000	-1.1871
C7	-112.0000	0.0000	40.9216	-164.0000	0.0000	-1.1681
C8	-112.0000	0.0000	38.9216	-155.0000	0.0000	-1.1502
C9	-112.0000	0.0000	36.9216	-146.0000	0.0000	-1.1332
C10	-112.0000	0.0000	34.9216	-137.0000	0.0000	-1.1173
C11	-112.0000	0.0000	34.9216	-87.0000	0.0000	-1.0473
C12	-112.0000	0.0000	36.9216	-78.0000	0.0000	-1.0380
C13	-112.0000	0.0000	38.9216	-69.0000	0.0000	-1.0298
C14	-112.0000	0.0000	40.9216	-60.0000	0.0000	-1.0225
C15	-112.0000	0.0000	42.9216	-51.0000	0.0000	-1.0163
C16	-112.0000	0.0000	44.9216	-42.0000	0.0000	-1.0110
C17	-112.0000	0.0000	46.9216	-33.0000	0.0000	-1.0068
C18	-112.0000	0.0000	48.9216	-24.0000	0.0000	-1.0036
C19	-112.0000	0.0000	50.9216	-15.0000	0.0000	-1.0014
C20	-112.0000	0.0000	52.9216	-6.0000	0.0000	-1.0002

STAY CABLE NO.	WP1			WP2		
	X (m)	Y (m)	Z (m)	X (m)	Y (m)	Z (m)
C21	112.0000	0.0000	52.9216	6.0000	0.0000	-1.0002
C22	112.0000	0.0000	50.9216	15.0000	0.0000	-1.0014
C23	112.0000	0.0000	48.9216	24.0000	0.0000	-1.0036
C24	112.0000	0.0000	46.9216	33.0000	0.0000	-1.0068
C25	112.0000	0.0000	44.9216	42.0000	0.0000	-1.0110
C26	112.0000	0.0000	42.9216	51.0000	0.0000	-1.0163
C27	112.0000	0.0000	40.9216	60.0000	0.0000	-1.0225
C28	112.0000	0.0000	38.9216	69.0000	0.0000	-1.0298
C29	112.0000	0.0000	36.9216	78.0000	0.0000	-1.0380
C30	112.0000	0.0000	34.9216	87.0000	0.0000	-1.0473
C31	112.0000	0.0000	34.9216	137.0000	0.0000	-1.1173
C32	112.0000	0.0000	36.9216	146.0000	0.0000	-1.1332
C33	112.0000	0.0000	38.9216	155.0000	0.0000	-1.1502
C34	112.0000	0.0000	40.9216	164.0000	0.0000	-1.1681
C35	112.0000	0.0000	42.9216	173.0000	0.0000	-1.1871
C36	112.0000	0.0000	44.9216	182.0000	0.0000	-1.2070
C37	112.0000	0.0000	46.9216	191.0000	0.0000	-1.2280
C38	112.0000	0.0000	48.9216	200.0000	0.0000	-1.2500
C39	112.0000	0.0000	50.9216	209.0000	0.0000	-1.2730
C40	112.0000	0.0000	52.9216	218.0000	0.0000	-1.2970

NOTES:
 1 - MAIN TOWER P11 IS SHOWN,
 MAIN TOWER P12 READ IN BRACKETS.

STAY CABLES GEOMETRY N.T.S



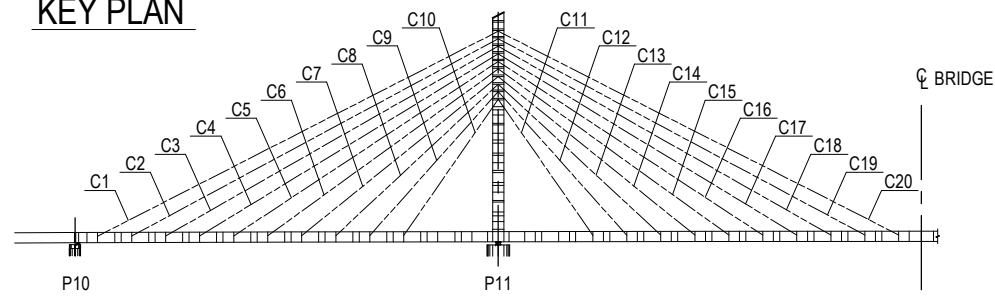
STAY CABLE NO.	Z1 (m)	Z2 (m)	I (mm)	θ1 (deg)	θ2 (deg)	θ3 (deg)	L1 (mm)	L2 (mm)	w (N/m)	H (kN)	f (mm)	S (mm)
C1, C40	16.7310	70.9496	119294.9	27.0896	26.6731	27.5085	500	700	941.4	6093.2	246.4	119704.6
C2, C39	16.7550	68.9496	110457.8	28.2842	27.8547	28.7164	500	700	941.4	5346.2	237.9	110794.2
C3, C38	16.7780	66.9496	101666.0	29.6888	29.2496	30.1310	500	700	941.4	4678.1	227.1	101940.5
C4, C37	16.8000	64.9496	92924.2	31.3618	30.9421	31.7849	500	700	941.4	4317.3	202.0	93159.8
C5, C36	16.8210	62.9496	84251.9	33.3841	33.0281	33.7436	500	700	941.4	4405.5	159.2	84474.8
C6, C35	16.8409	60.9496	75573.6	35.8704	35.5935	36.1499	400	850	497.9	2534.8	114.3	75797.9
C7, C34	16.8599	58.9496	67203.0	38.9873	38.7712	39.2059	400	850	497.9	2652.9	82.9	67420.7
C8, C33	16.8778	56.9496	59094.5	42.9812	42.8134	43.1513	400	850	497.9	2655.6	60.3	59298.2
C9, C32	16.8948	54.9496	51372.5	48.2209	48.0903	48.3537	400	850	497.9	2453.2	44.9	51552.1
C10, C31	16.9107	52.9496	44233.1	55.2512	55.1518	55.3526	400	950	497.9	2024.0	34.5	44382.2
C11, C30	16.9807	52.9496	44177.5	55.1990	55.0984	55.3016	400	950	497.9	2003.3	34.8	44324.7
C12, C29	16.9900	54.9496	51303.2	48.1496	48.0180	48.2834	400	850	497.9	2437.9	45.1	51481.2
C13, C28	16.9982	56.9496	59011.8	42.8952	42.7283	43.0645	400	850	497.9	2672.5	59.8	59216.2
C14, C27	17.0055	58.9496	67105.9	38.8902	38.6799	39.1031	400	850	497.9	2728.1	80.5	67329.1
C15, C26	17.0117	60.9496	75467.4	35.7649	35.4959	36.0365	400	850	497.9	2612.0	110.8	75698.0
C16, C25	17.0170	62.9496	84135.4	33.2721	32.9301	33.6175	500	700	941.4	4591.7	152.5	84367.1
C17, C24	17.0212	64.9496	92803.5	31.2447	30.8356	31.6572	500	700	941.4	4433.8	196.4	93044.8
C18, C23	17.0244	66.9496	101554.0	29.5676	29.1128	30.0255	500	700	941.4	4522.8	234.6	101818.8
C19, C22	17.0266	68.9496	110364.7	28.1596	27.6806	28.6414	500	700	941.4	4800.5	264.7	110666.0
C20, C21	17.0278	70.9496	119222.1	26.9623	26.4724	27.4546	500	700	941.4	5188.3	289.0	119570.2

- NOTES:**
- S LENGTH OF CHORD.
 - θ1 & θ2 ANGLE BETWEEN CHORD AND HORIZONTAL.
 - I UNSTRESSED LENGTH OF STAY CABLE FROM WP3 TO WP4.
 - H HORIZONTAL TENSION OF STAY CABLE

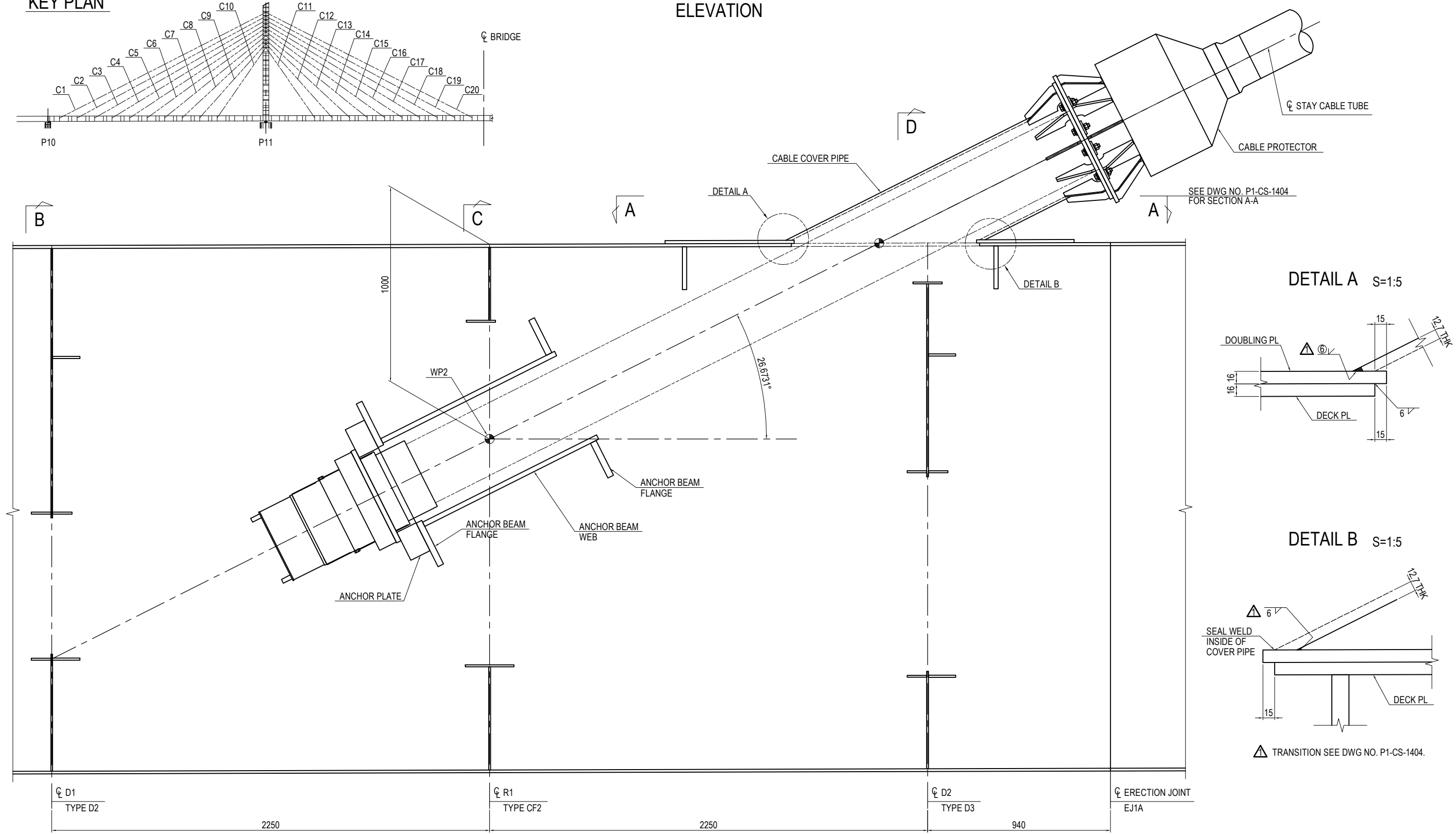
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (1)

S=1:20

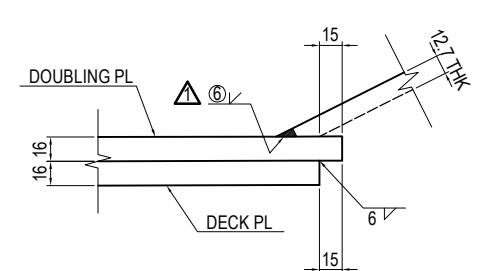
KEY PLAN



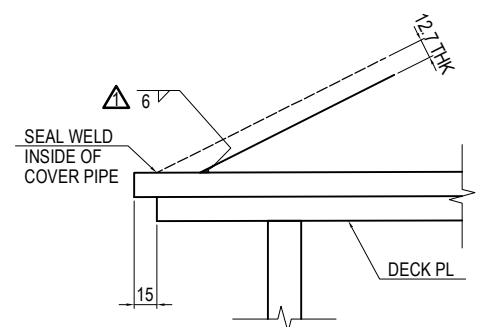
ELEVATION



DETAIL A S=1:5



DETAIL B S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1404.

B
SEE DWG NO. P1-CS-1405
FOR DIAPHRAGM SECTION B-B

C
SEE DWG NO. P1-CS-1406
FOR CROSSFRAME SECTION C-C

D
SEE DWG NO. P1-CS-1407
FOR DIAPHRAGM SECTION D-D

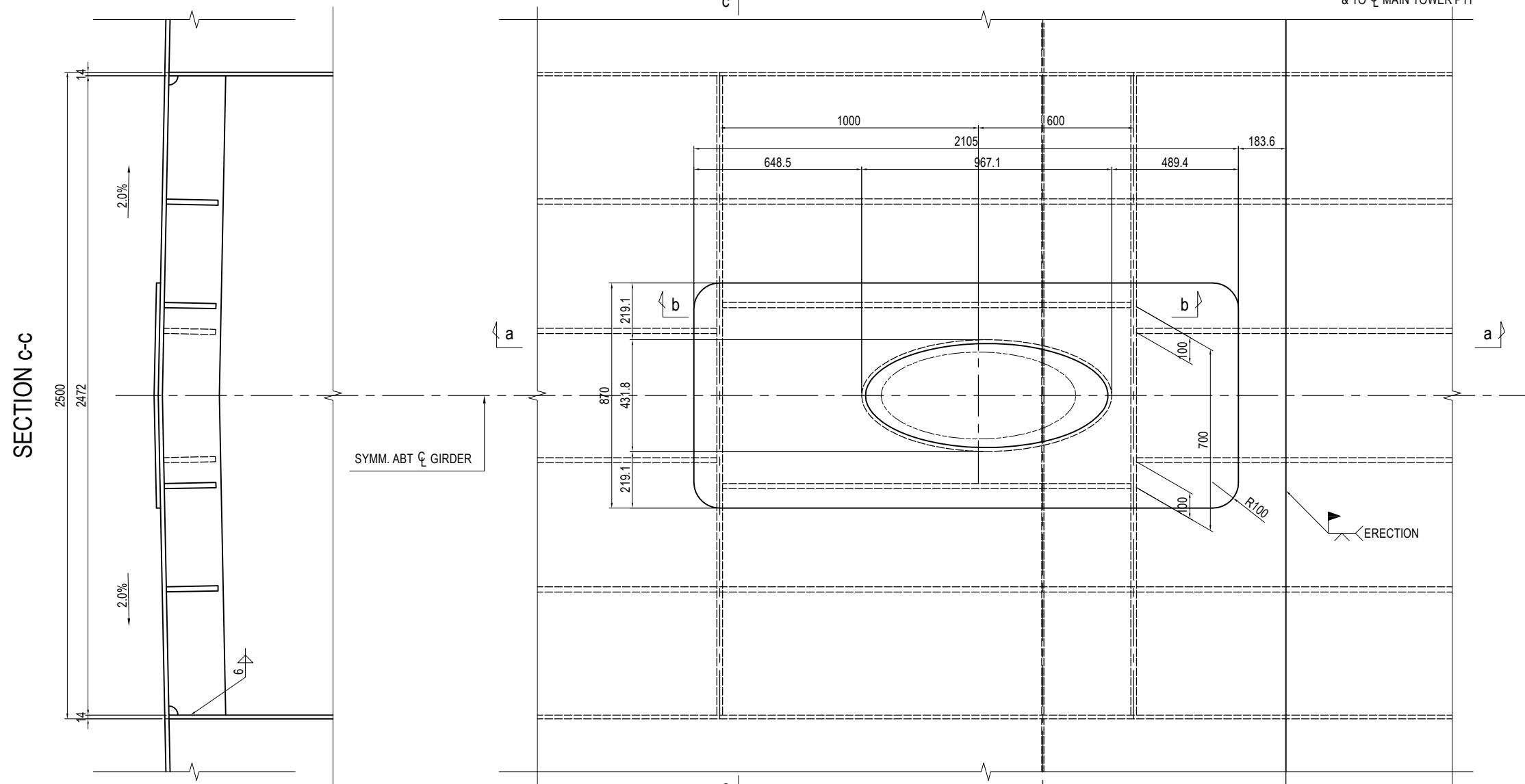
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1403</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (2)

S=1:20

SECTION A-A

TO ϕ BRIDGE
& TO ϕ MAIN TOWER P11



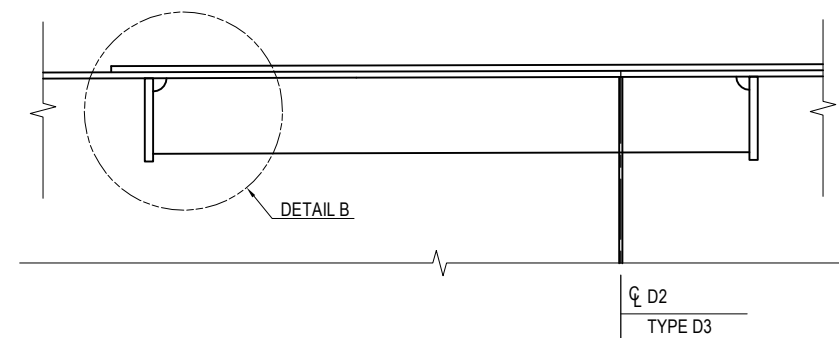
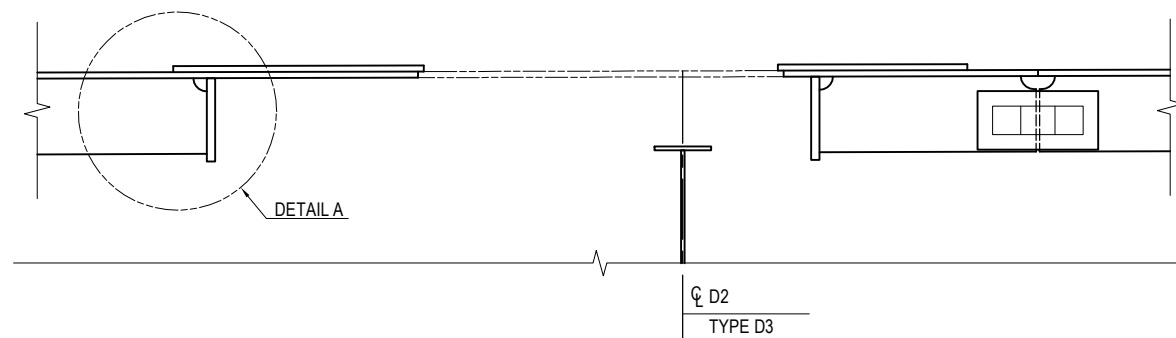
SYMM. ABT ϕ GIRDER

ERECTION

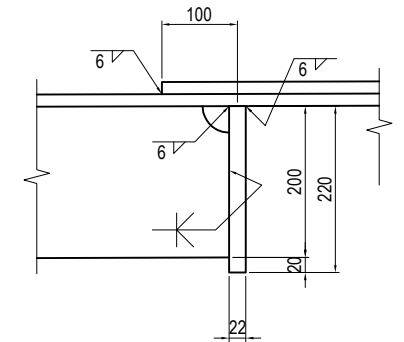
- 1-PL 870 x 16 x 2105
- 2-RIB PL 220 x 22 x 2472
- 1-PIPE 457.2 x 12.7 x 1603 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664

SECTION a-a

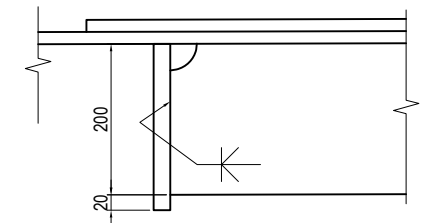
SECTION b-b



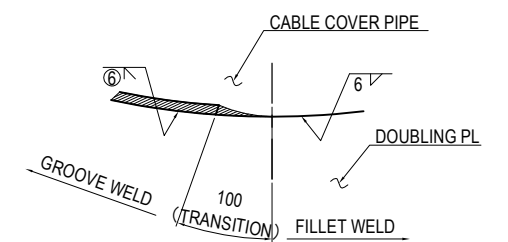
DETAIL A S=1:10



DETAIL B S=1:10



TRANSITION DETAIL \triangle S=1:10



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1403.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

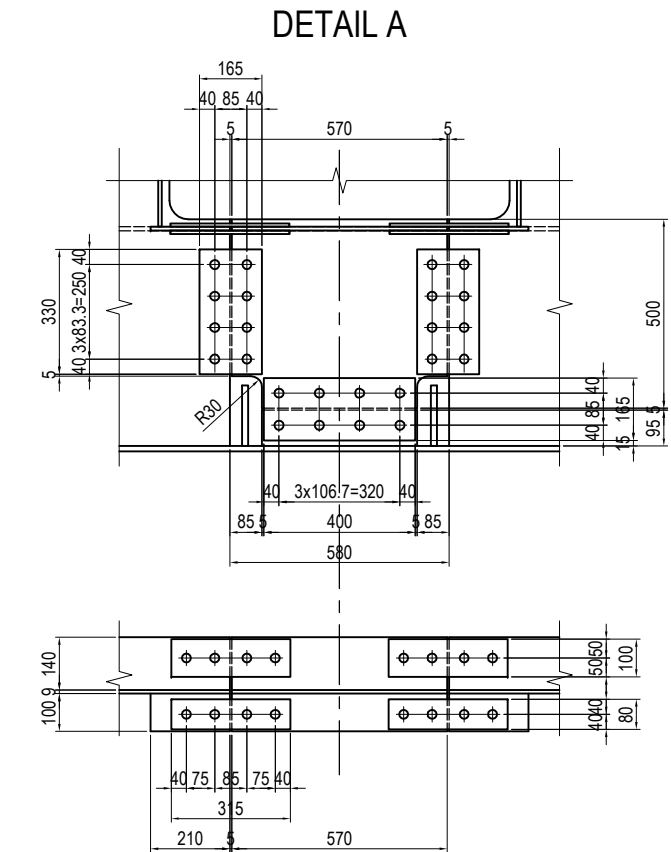
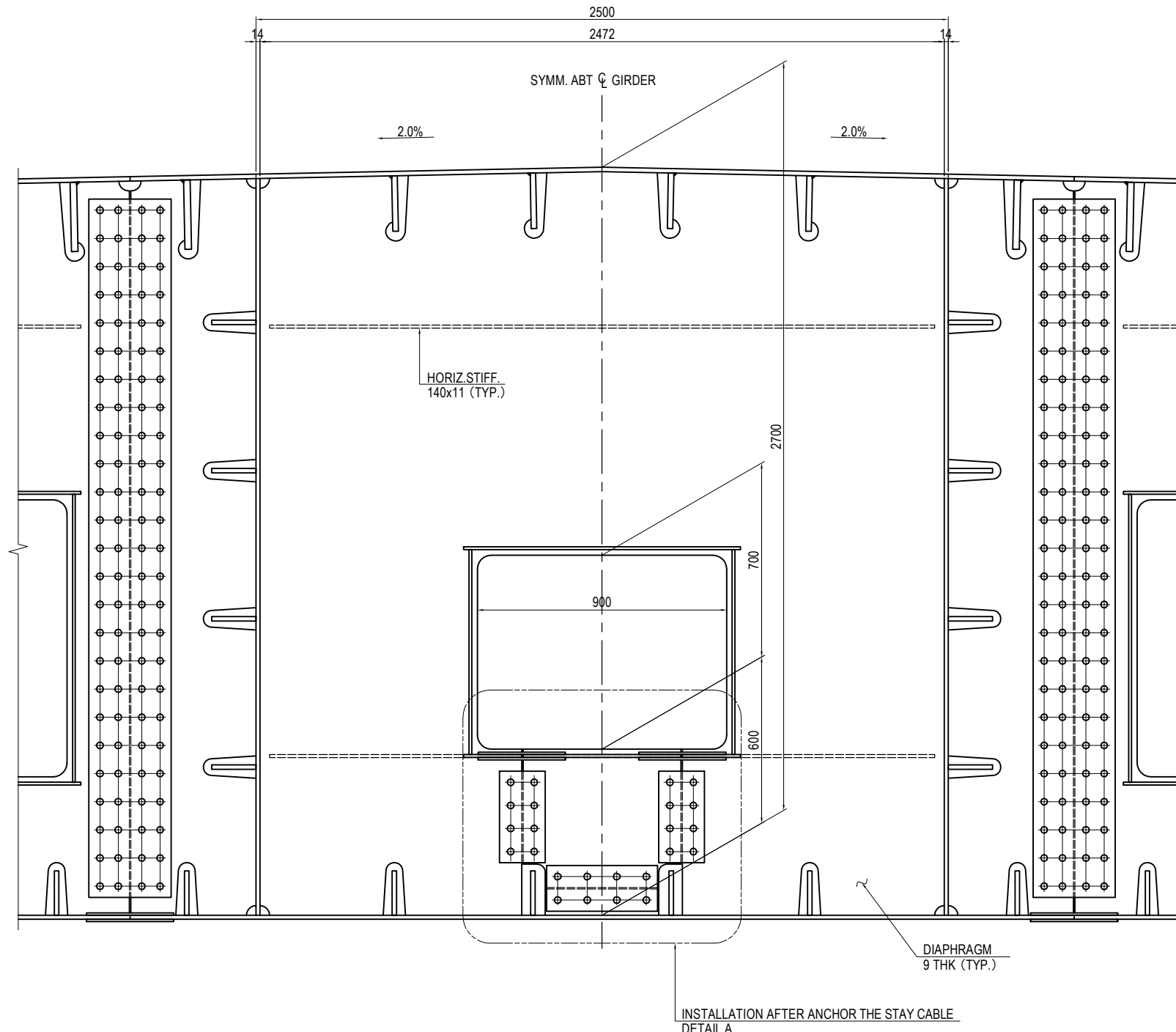
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h2 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (2)</h2>	PACKAGE 1 DWG No. P1-CS-1404
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C1 (3)

S=1:20

DIAPHRAGM D1 SECTION B-B

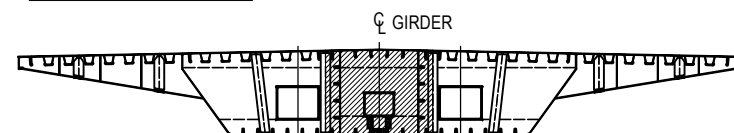


- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315
- 8-TCB M22 x 65 (S10T)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1403.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1405

MAIN GIRDER ANCHORAGE OF STAY CABLES

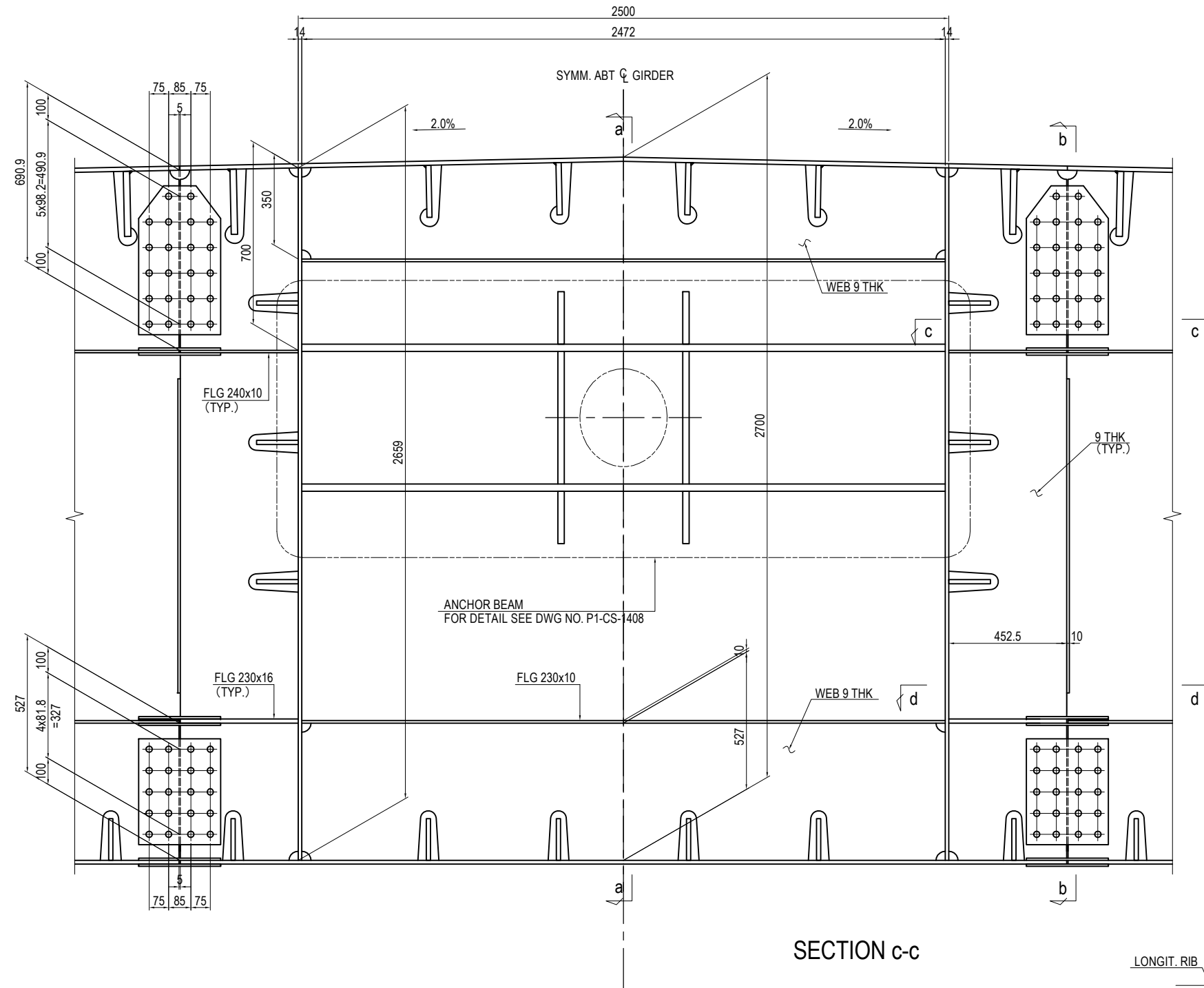
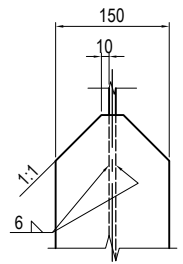
CABLE NO.C1 (4)

S=1:20

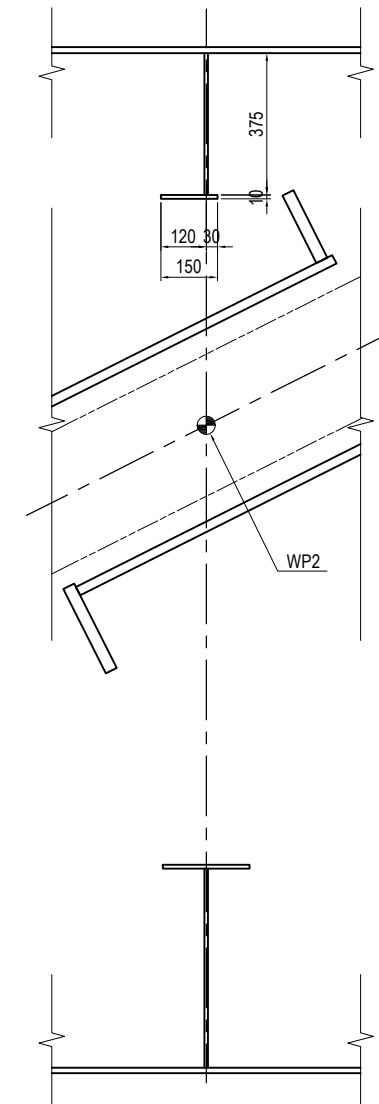
CROSSFRAME R1 SECTION C-C

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

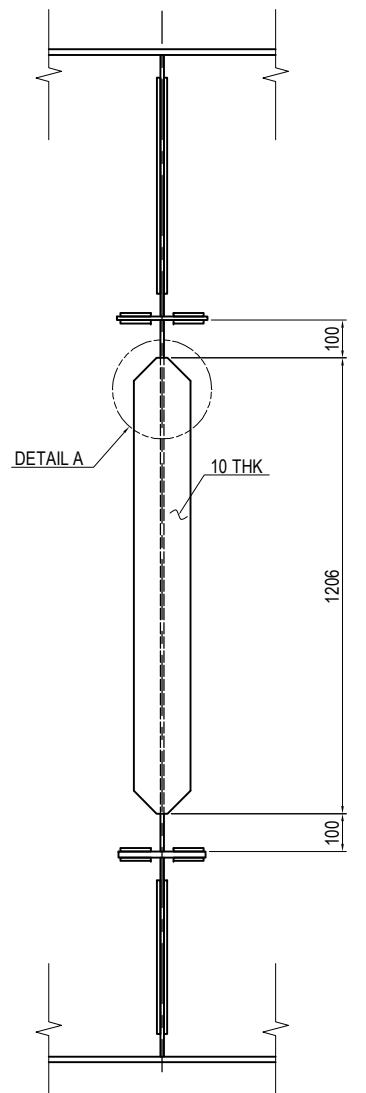
DETAIL A S=1:10



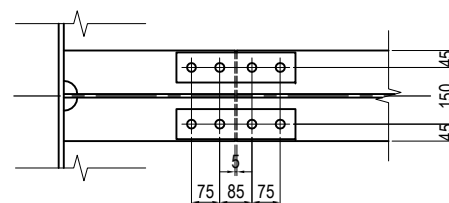
SECTION a-a



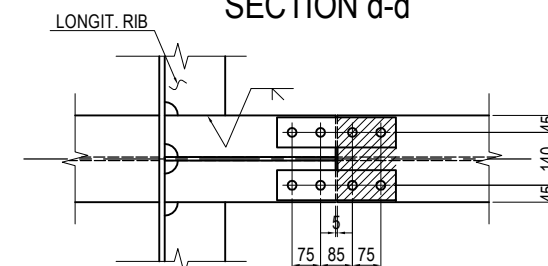
SECTION b-b



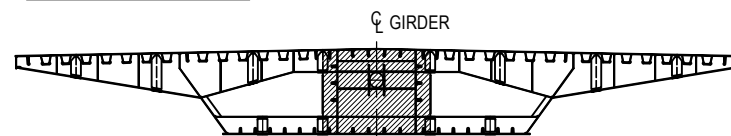
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1403.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

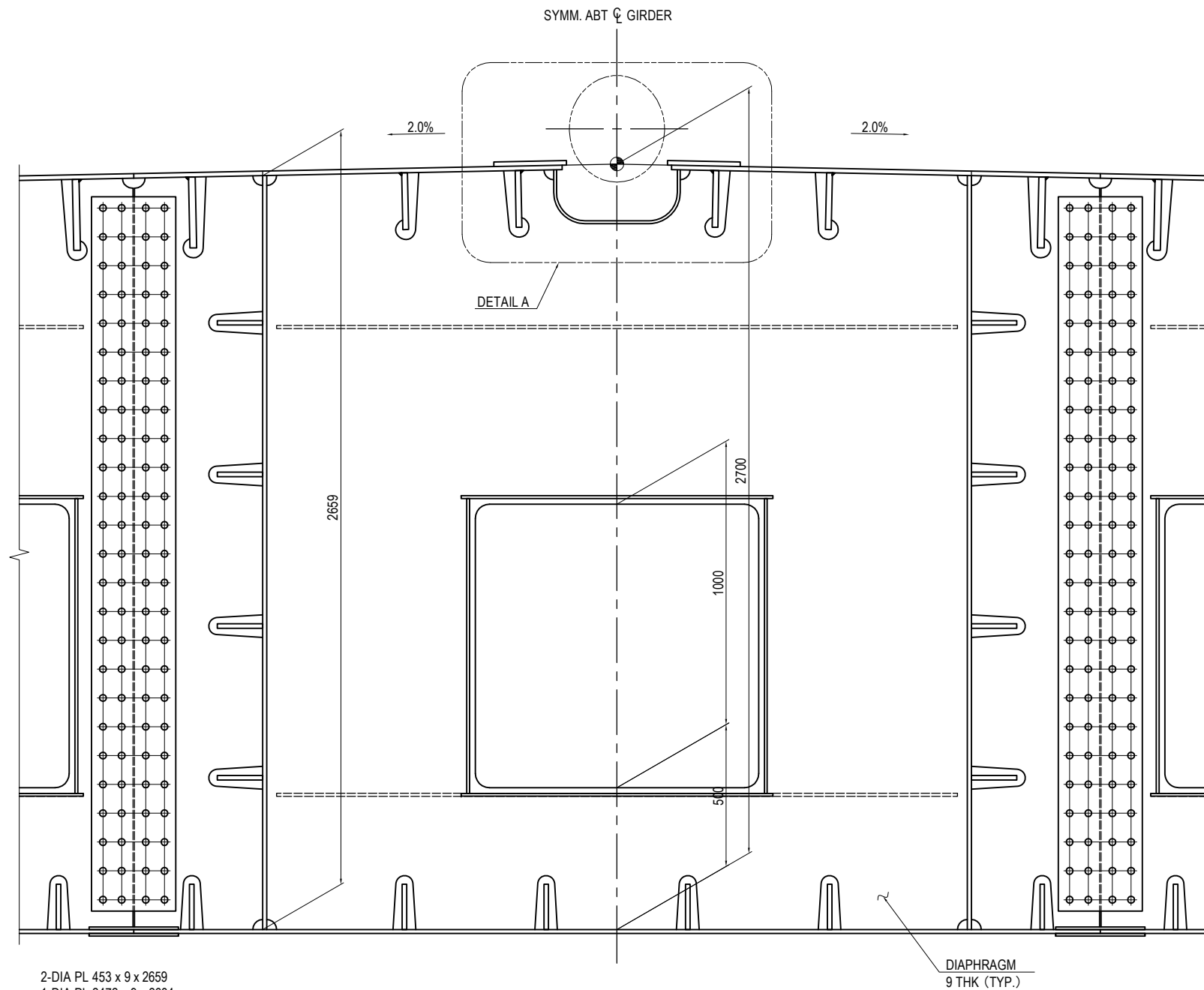
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1406

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C1 (5)

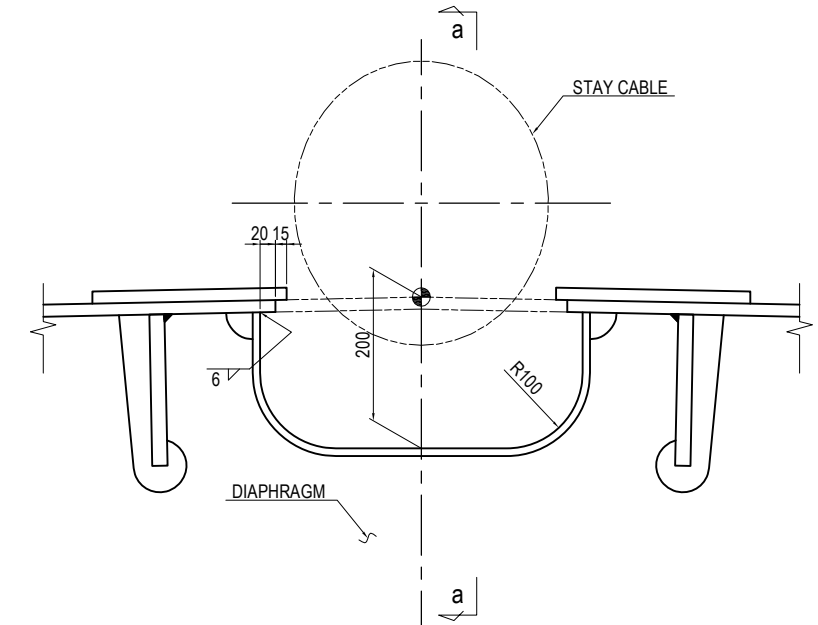
S=1:20

DIAPHRAGM D2 SECTION D-D

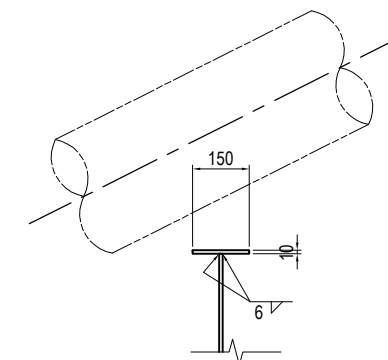


- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTIF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715

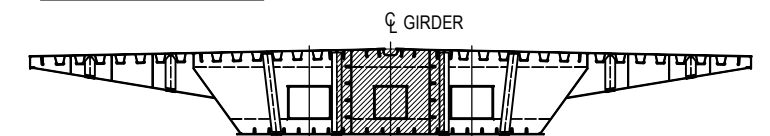
DETAIL A S=1:10



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

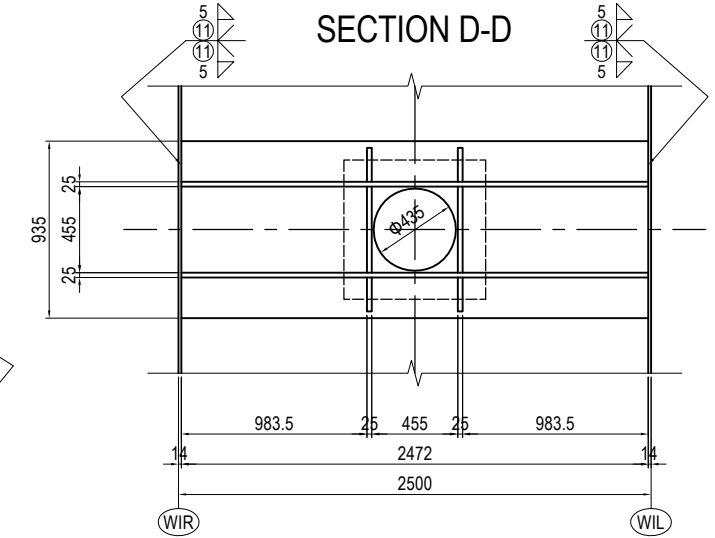
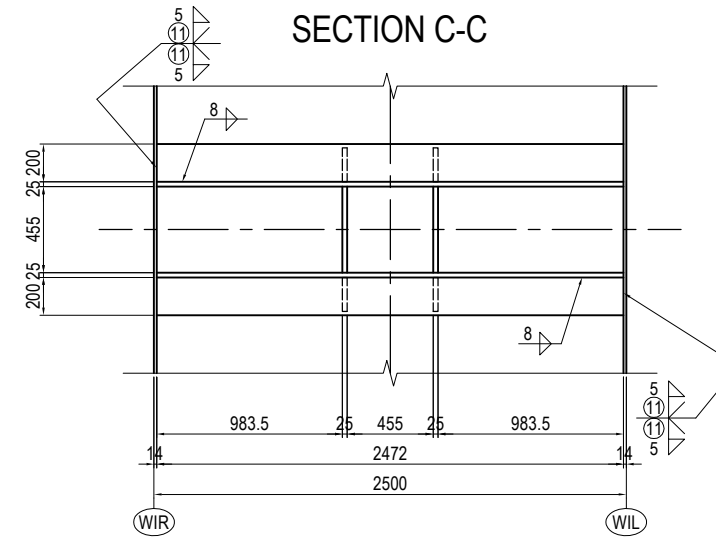
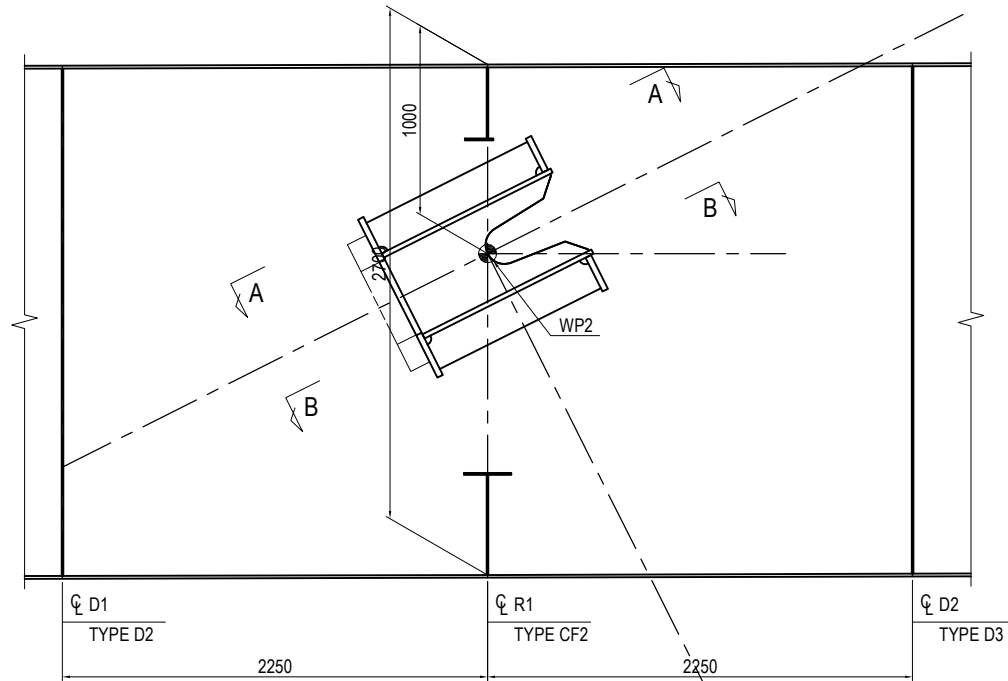
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1403.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (5)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1407

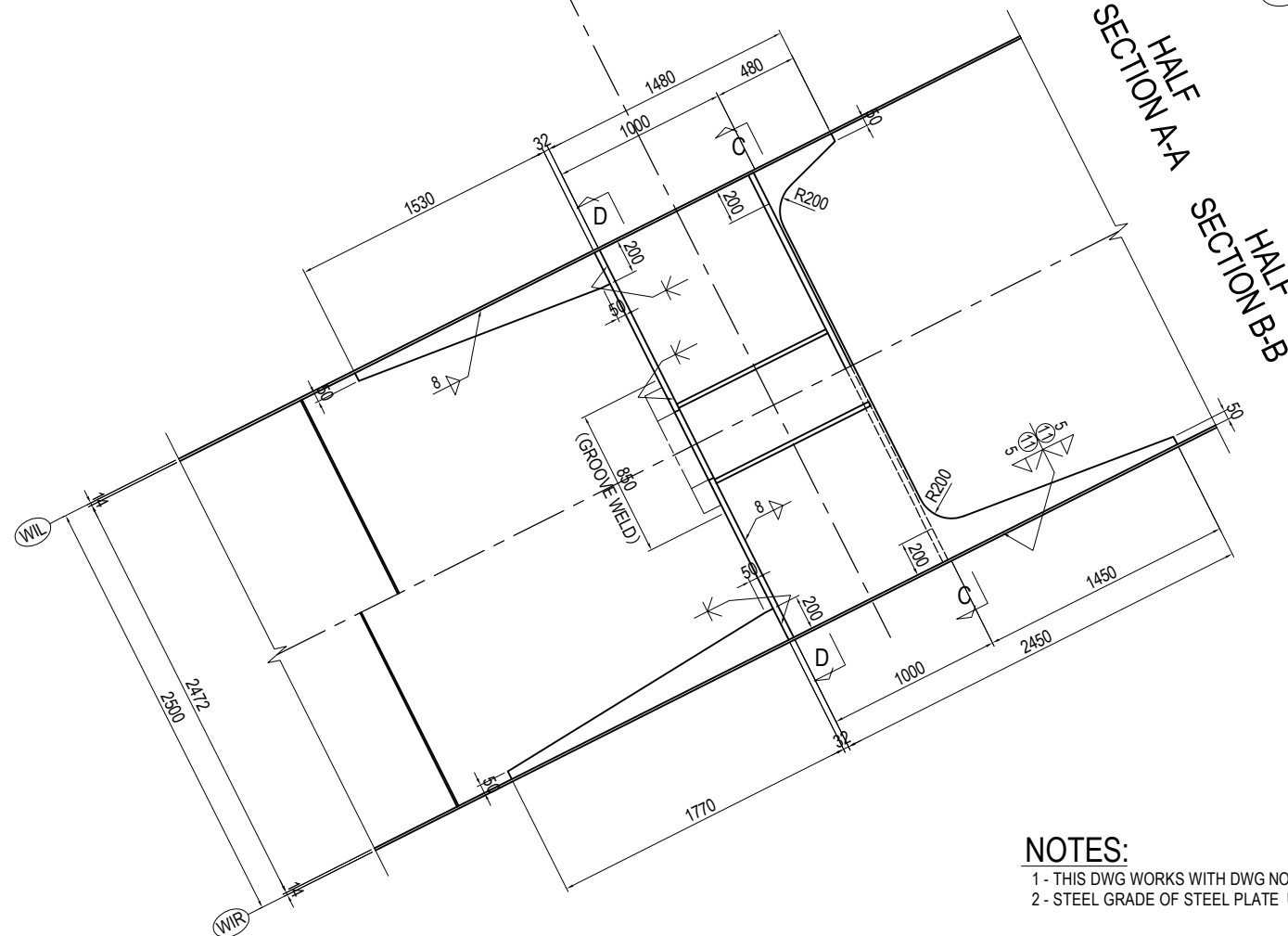
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (6)

S=1:40

ANCHOR BEAM C1

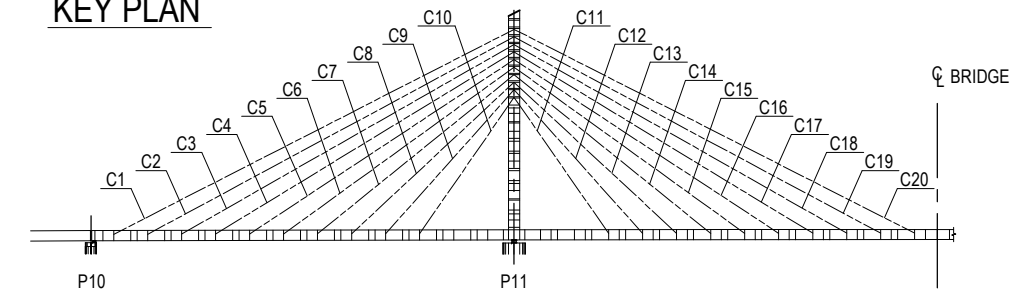


- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2450 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1770(SM490YB)
- 1-WEB PL 1480 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1530(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1406.
 - 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN

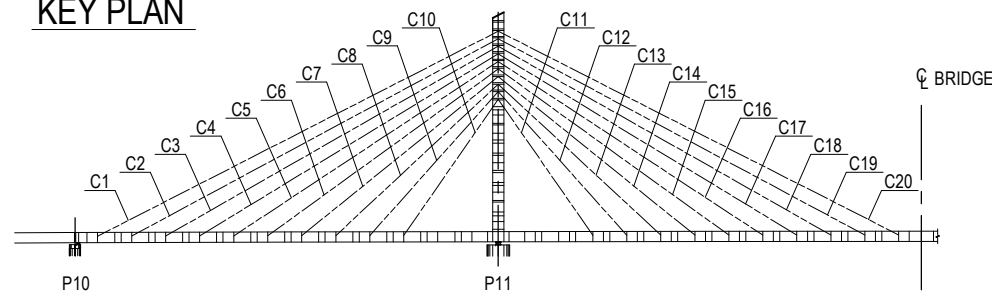


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C1 (6)</h3>	PACKAGE 1 DWG No. P1-CS-1408
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

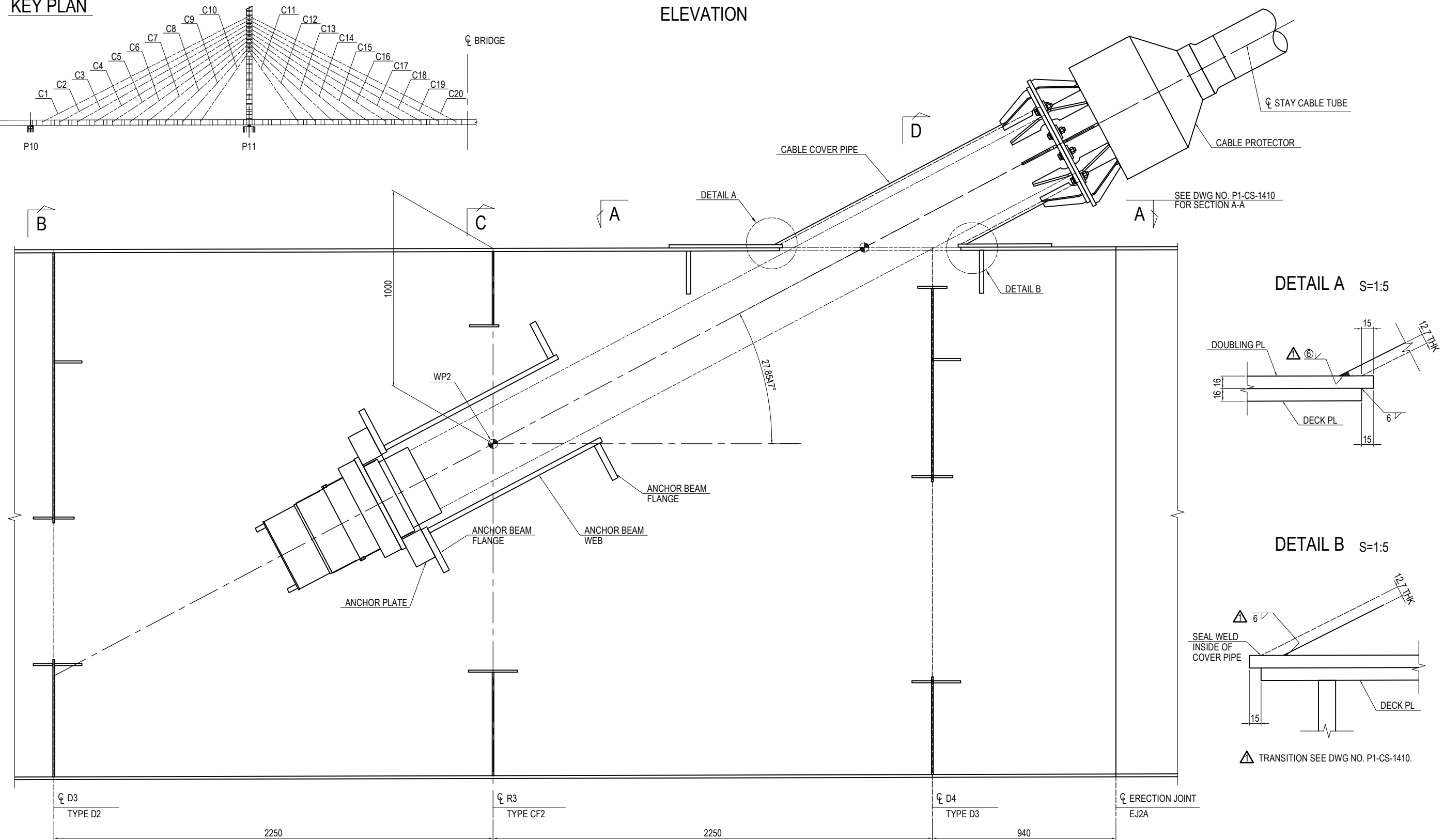
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (1)

S=1:20

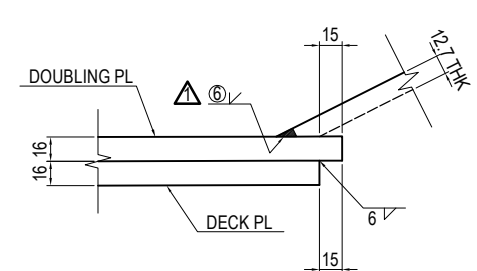
KEY PLAN



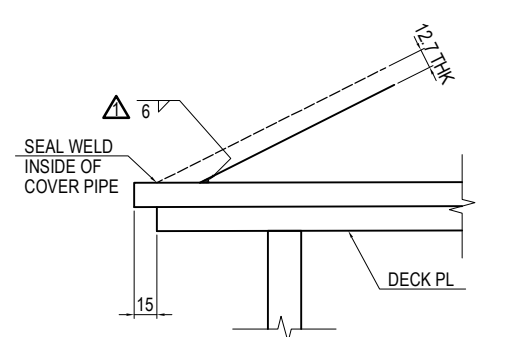
ELEVATION



DETAIL A S=1:5



DETAIL B S=1:5



TRANSITION SEE DWG NO. P1-CS-1410.

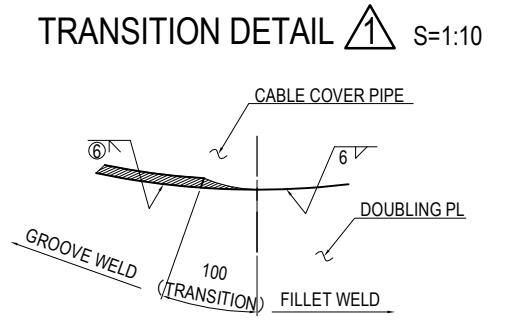
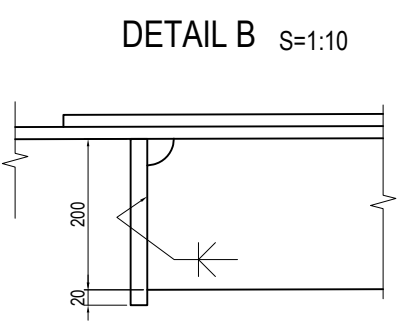
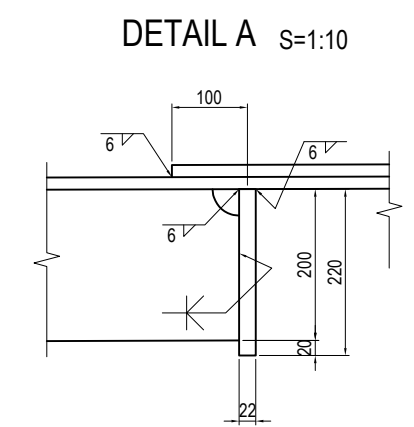
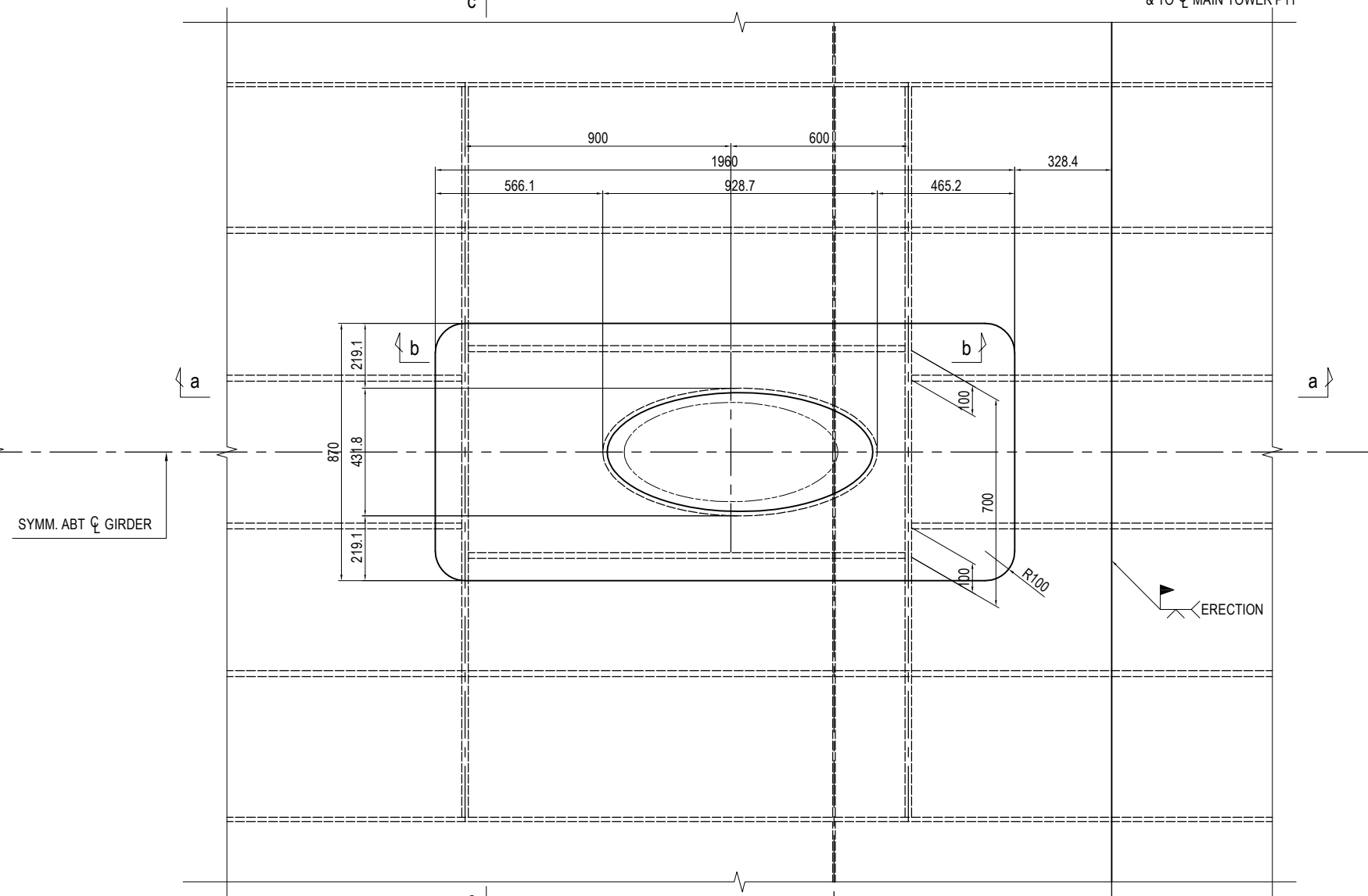
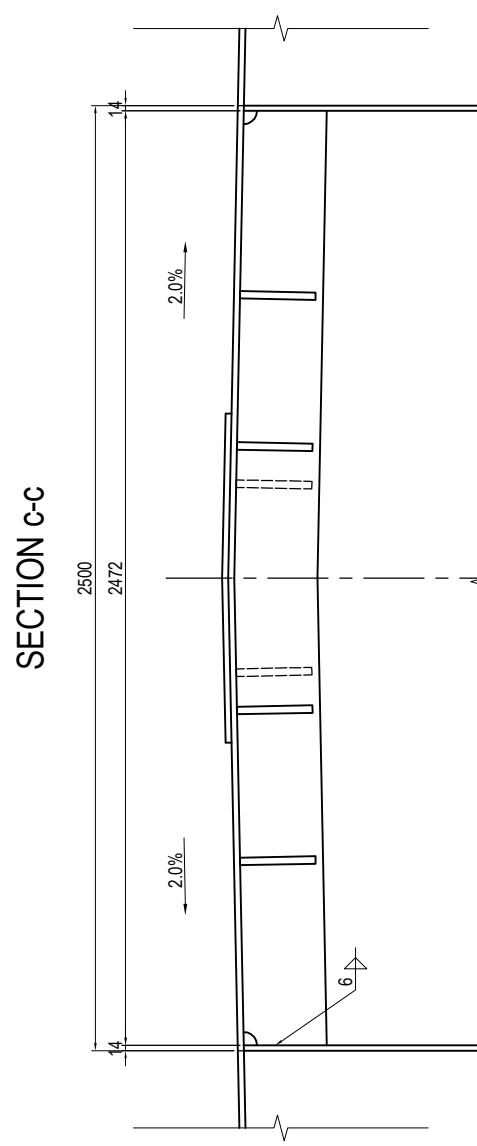
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1409</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (2)

S=1:20

SECTION A-A

TO ϕ BRIDGE
& TO ϕ MAIN TOWER P11



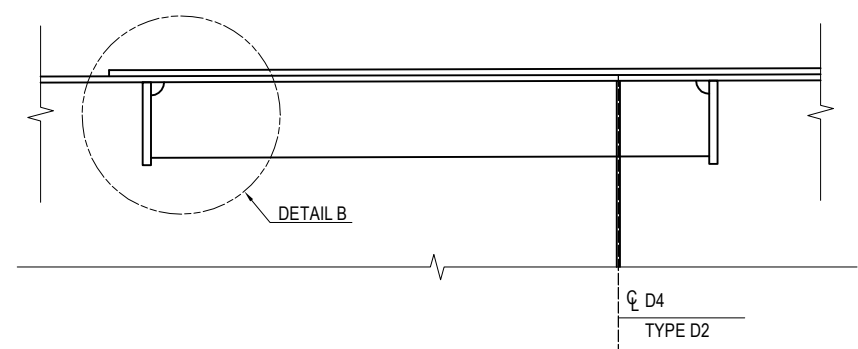
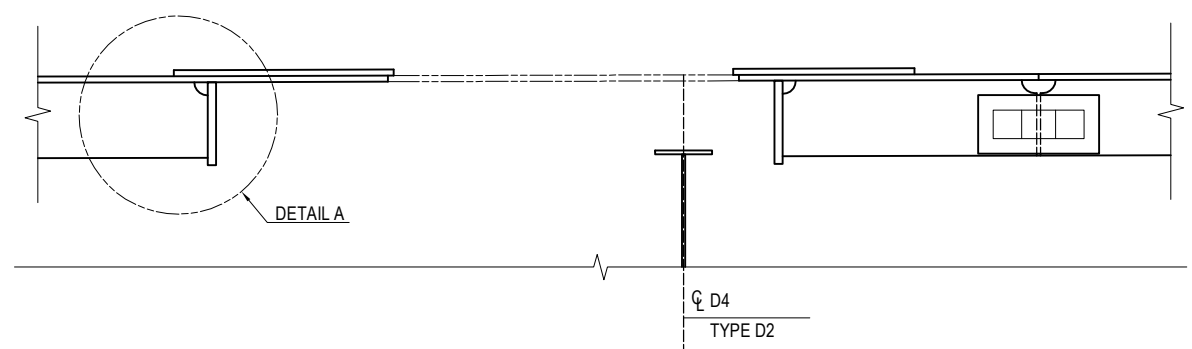
SYMM. ABT ϕ GIRDER

ERECTOR

SECTION a-a

SECTION b-b

- 1-PL 870 x 16 x 1960
- 2-RIB PL 220 x 22 x 2472
- 1-PIPE 457.2 x 12.7 x 1535 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664



- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1409.
 - 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

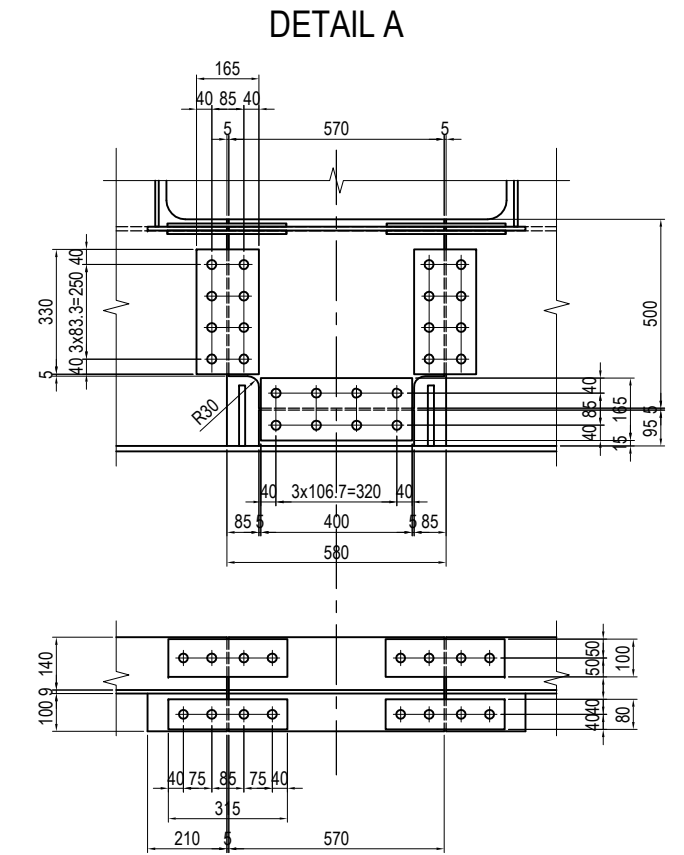
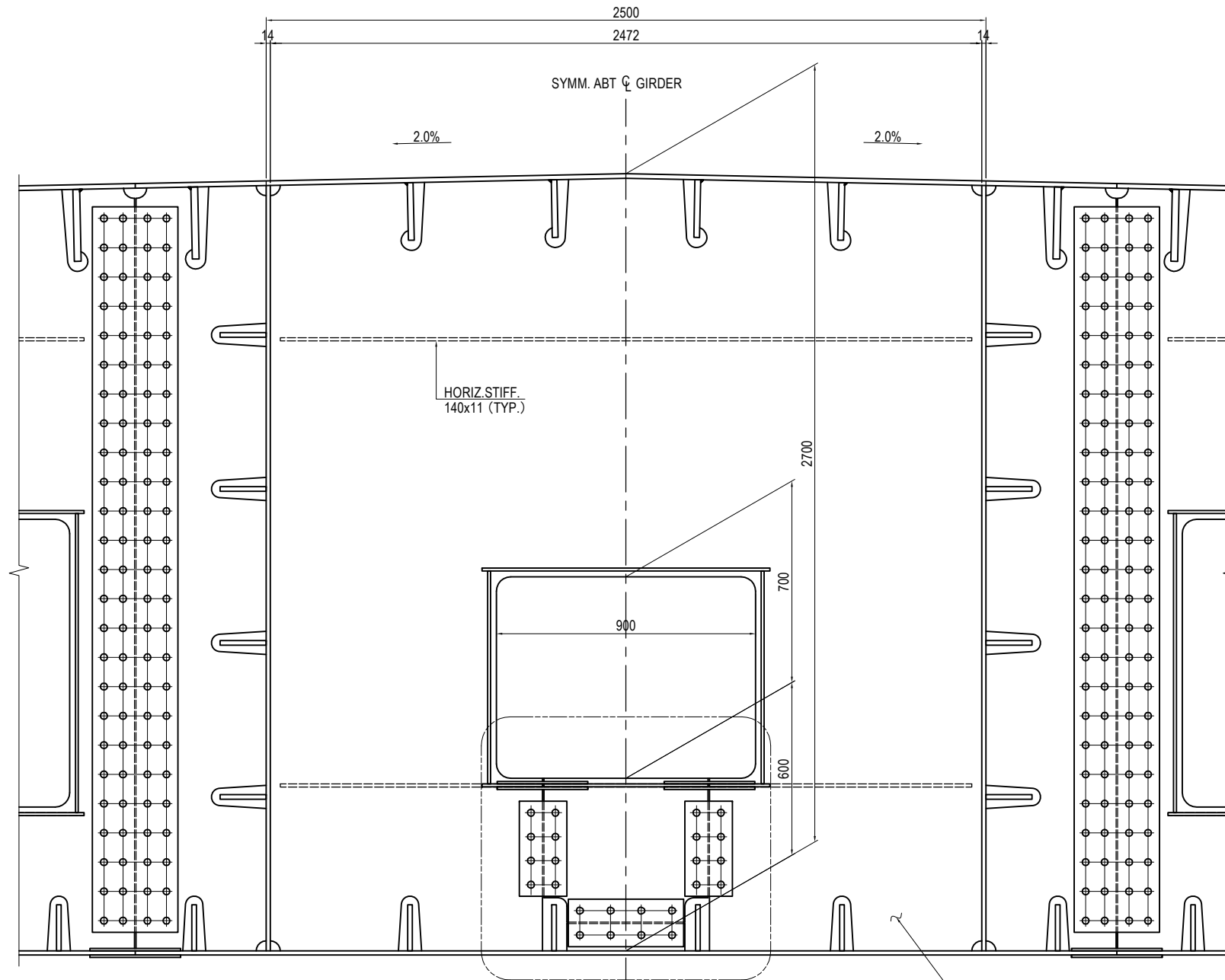
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (2)</h3>	PACKAGE 1 DWG No. P1-CS-1410
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C2 (3)

S=1:20

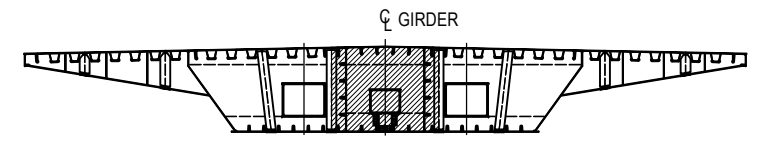
DIAPHRAGM D3 SECTION B-B



- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315
- 8-TCB M22 x 65 (S10T)

- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1409.
 - 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
 - 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

INSTALLATION AFTER ANCHOR THE STAY CABLE
DETAIL A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (3)	PACKAGE
				PREPARED BY	T.TOMODA			
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1411

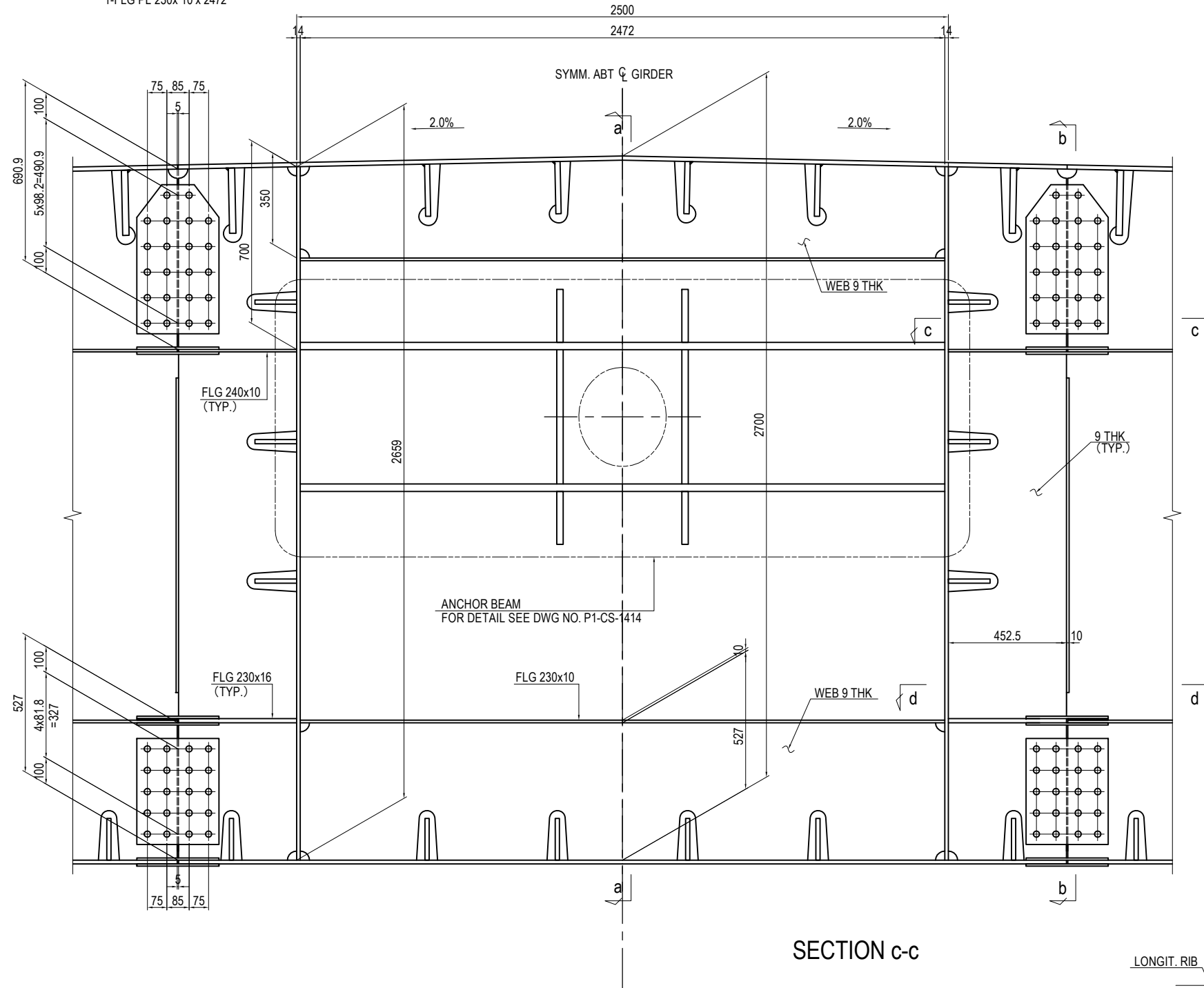
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C2 (4)

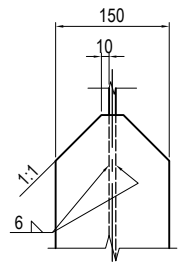
S=1:20

CROSSFRAME R3 SECTION C-C

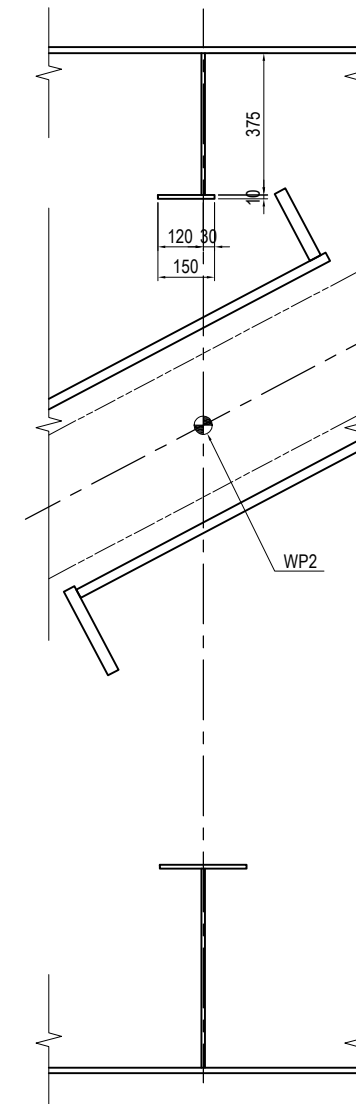
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



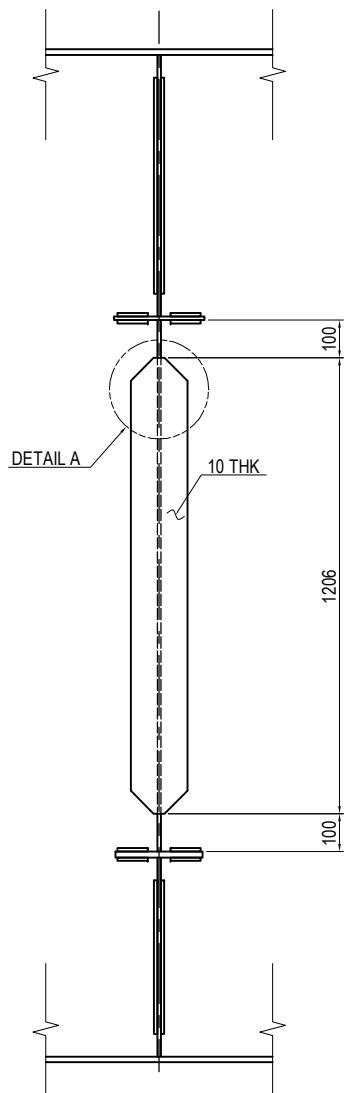
DETAIL A S=1:10



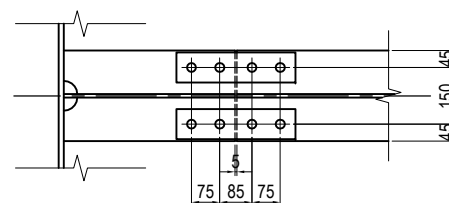
SECTION a-a



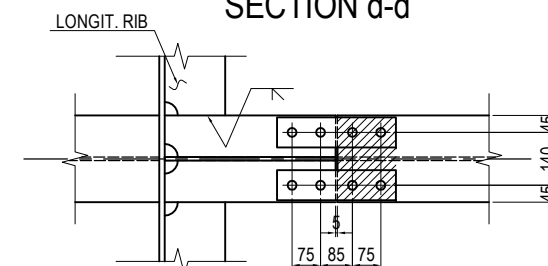
SECTION b-b



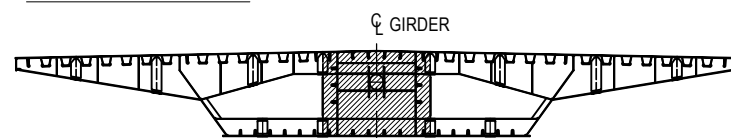
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1409.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (4)</p>	<p>PACKAGE 1 DWG No. P1-CS-1412</p>
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

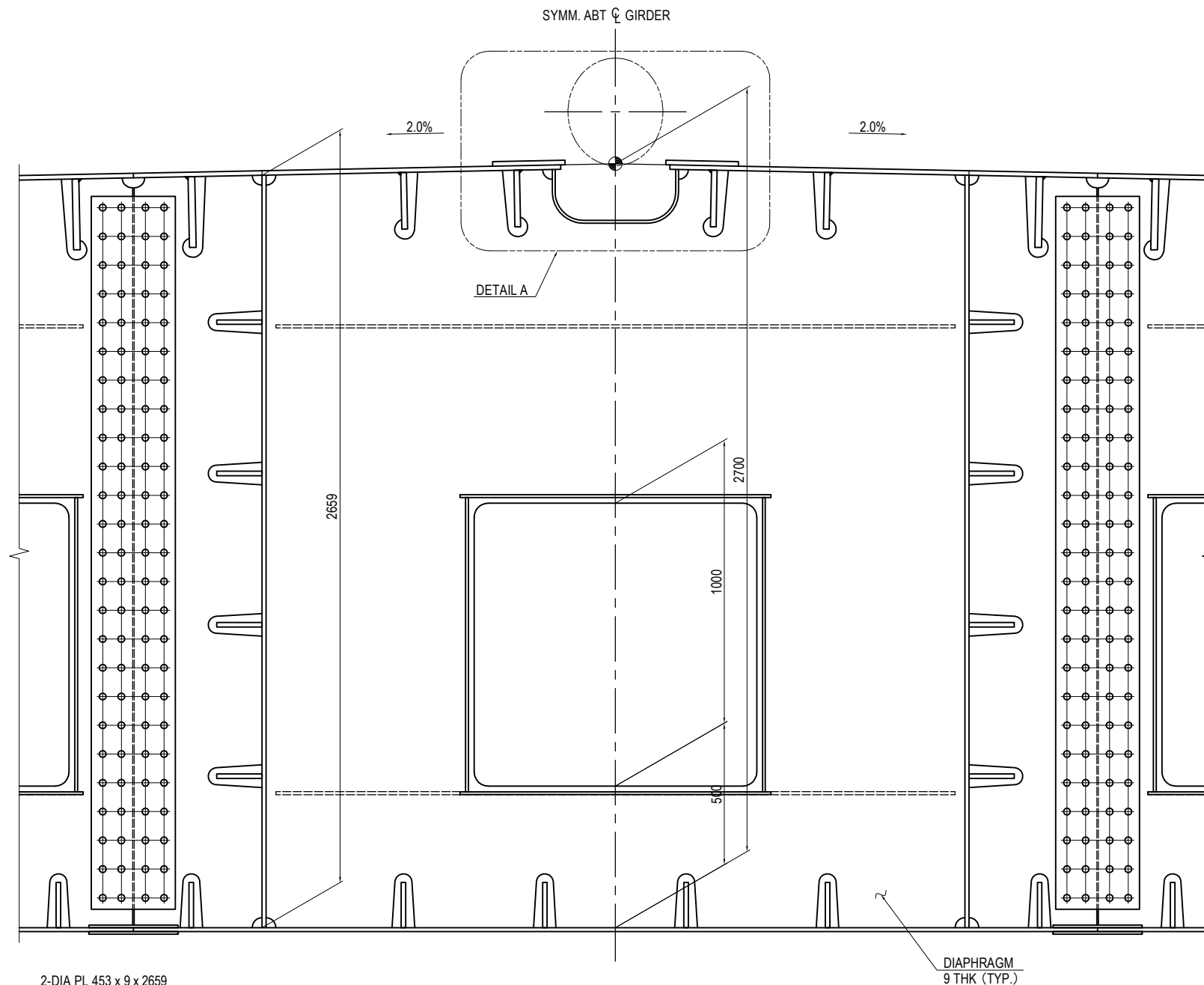
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C2 (5)

S=1:20

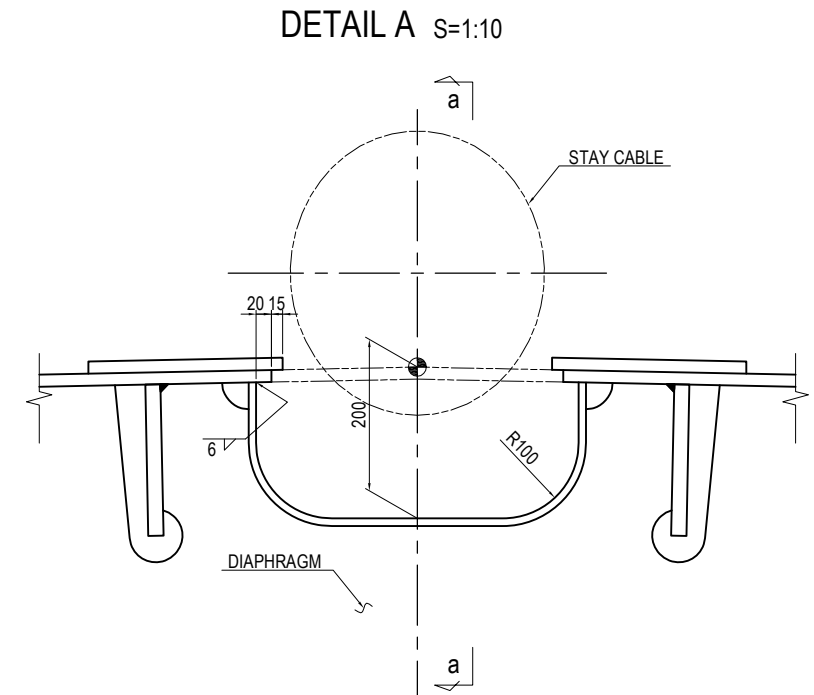
DIAPHRAGM D4

SECTION D-D

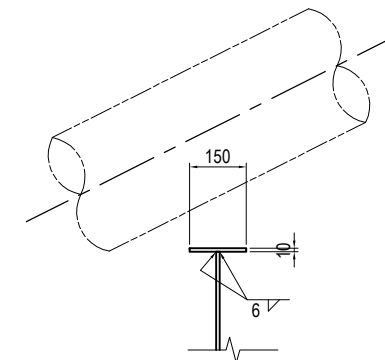


- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTIF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715

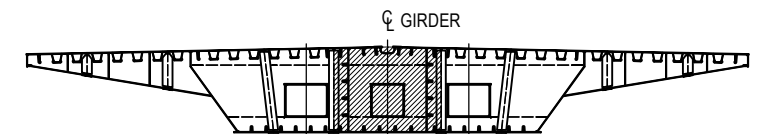
DIAPHRAGM
9 THK (TYP.)



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

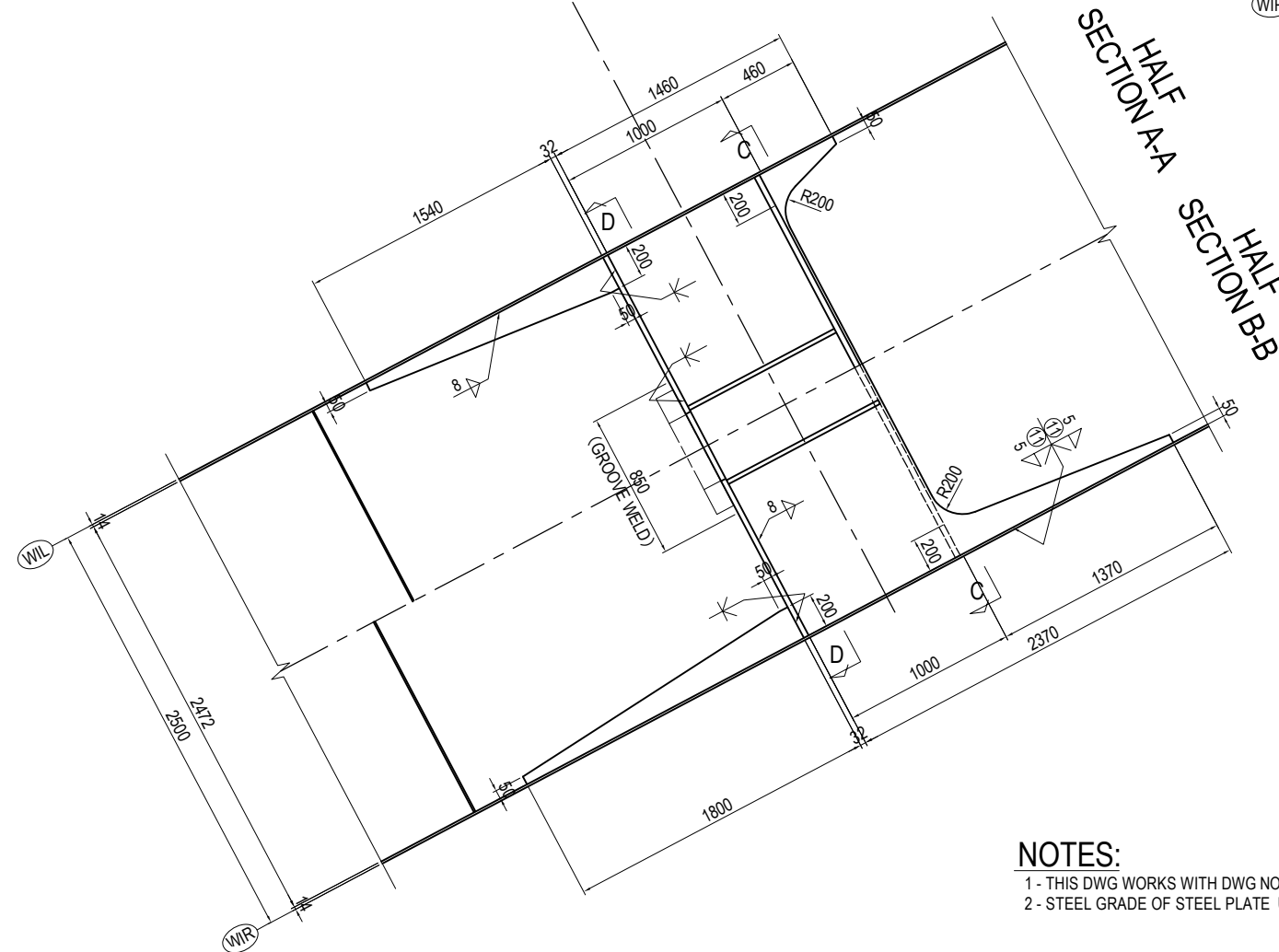
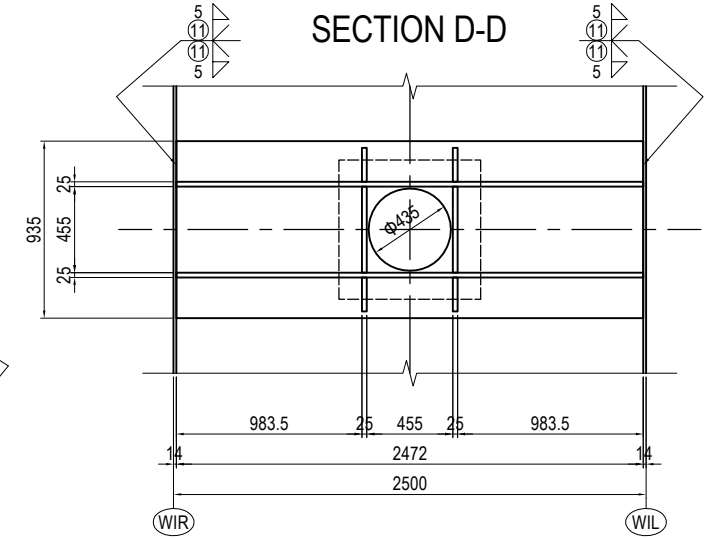
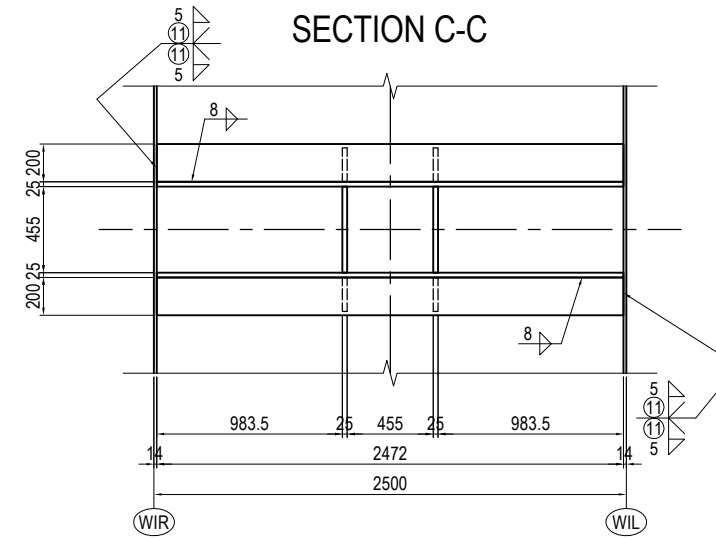
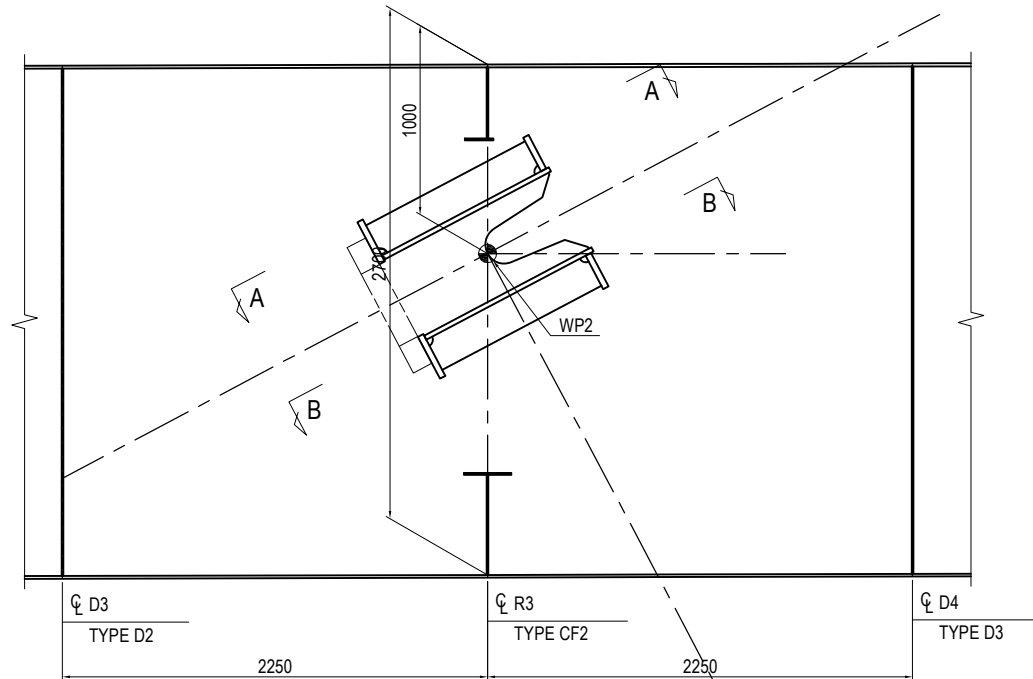
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1409.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (5)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1413

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (6)

S=1:40

ANCHOR BEAM C2

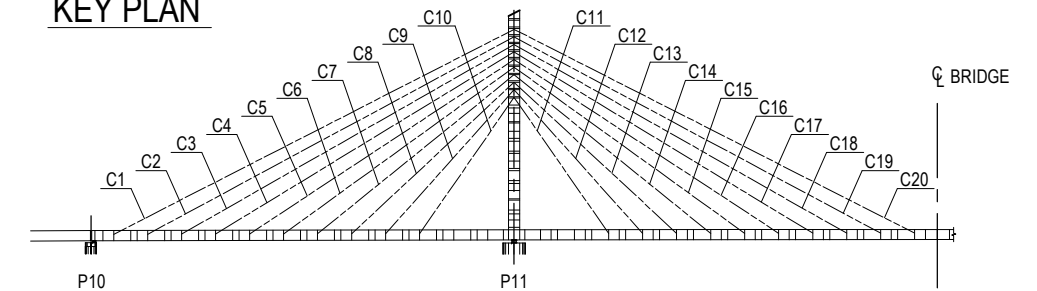


- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2370 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1800(SM490YB)
- 1-WEB PL 1460 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1540(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1412.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN

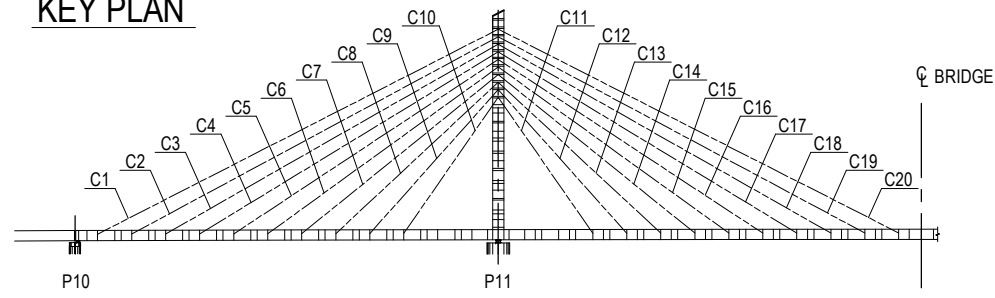


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C2 (6)	PACKAGE 1 DWG No. P1-CS-1414
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

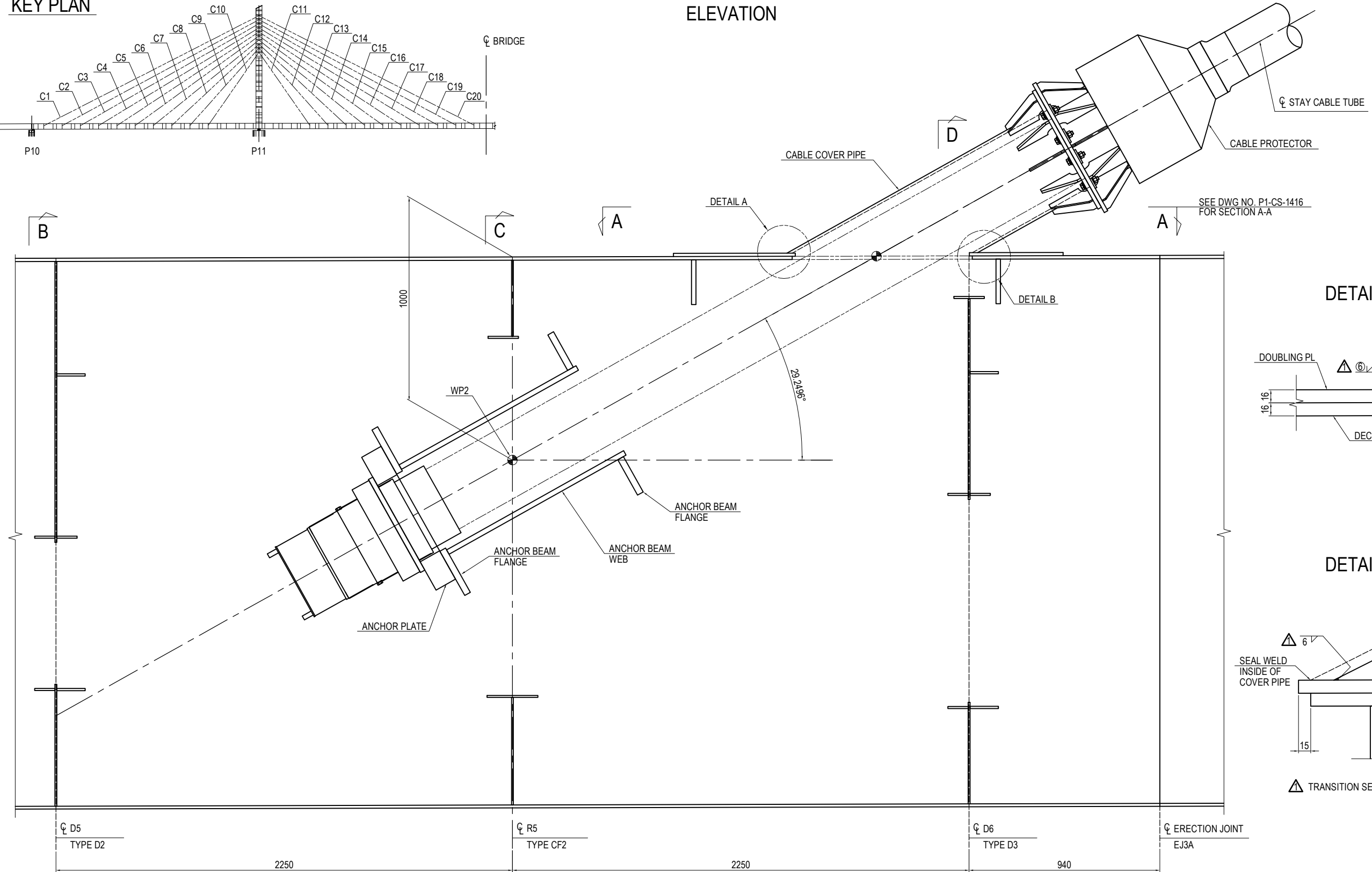
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (1)

S=1:20

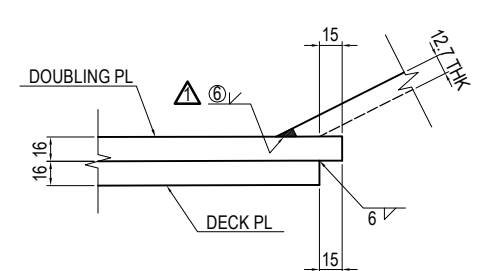
KEY PLAN



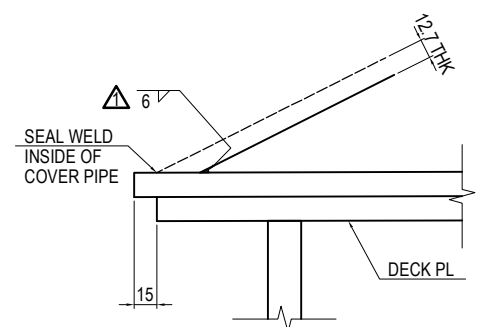
ELEVATION



DETAIL A S=1:5



DETAIL B S=1:5



TRANSITION SEE DWG NO. P1-CS-1416.

D5 TYPE D2 2250
R5 TYPE CF2 2250
D6 TYPE D3 940
ERECTION JOINT EJ3A

B
SEE DWG NO. P1-CS-1417
FOR DIAPHRAGM SECTION B-B

C
SEE DWG NO. P1-CS-1418
FOR CROSSFRAME SECTION C-C

D
SEE DWG NO. P1-CS-1419
FOR DIAPHRAGM SECTION D-D

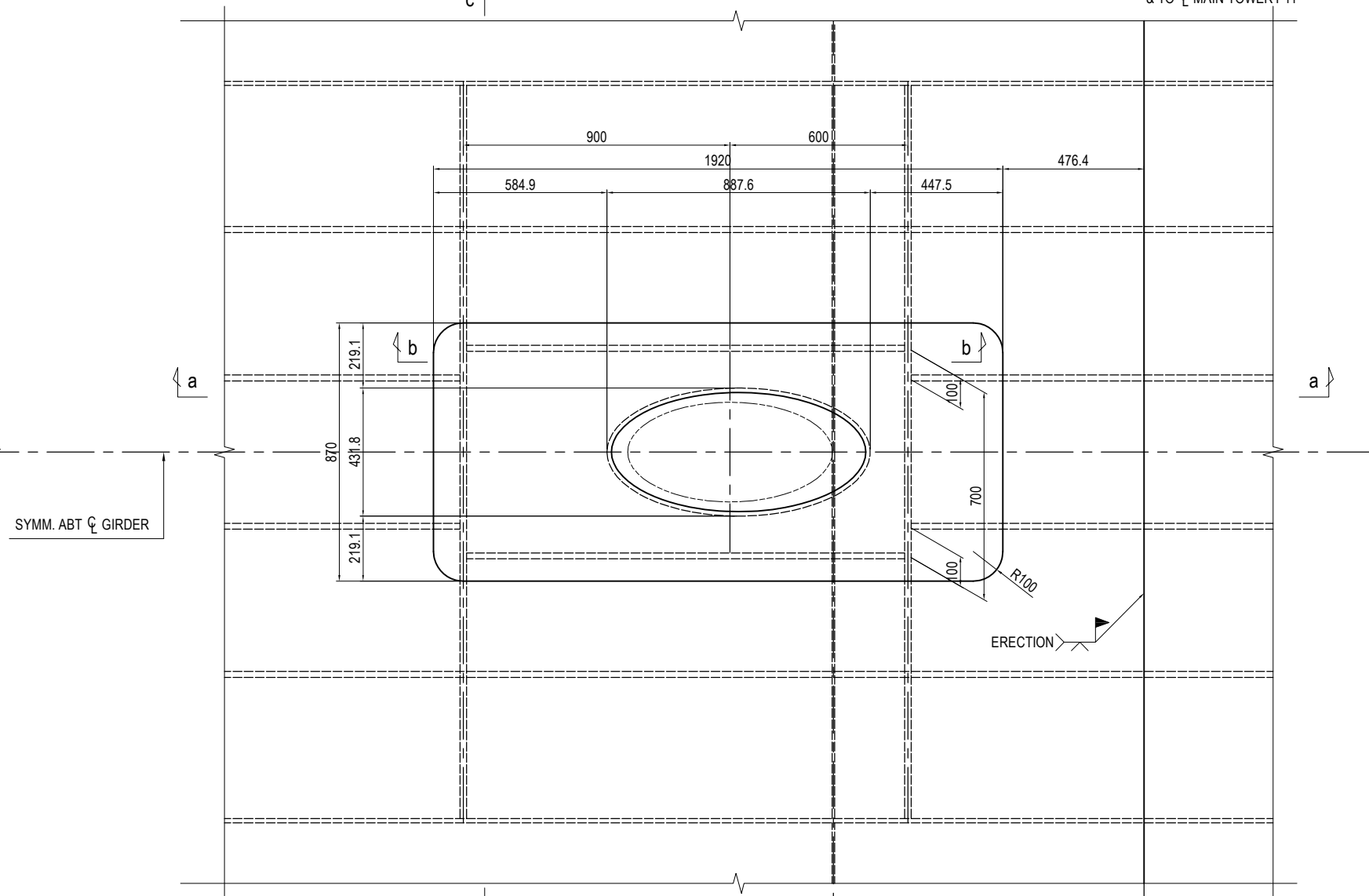
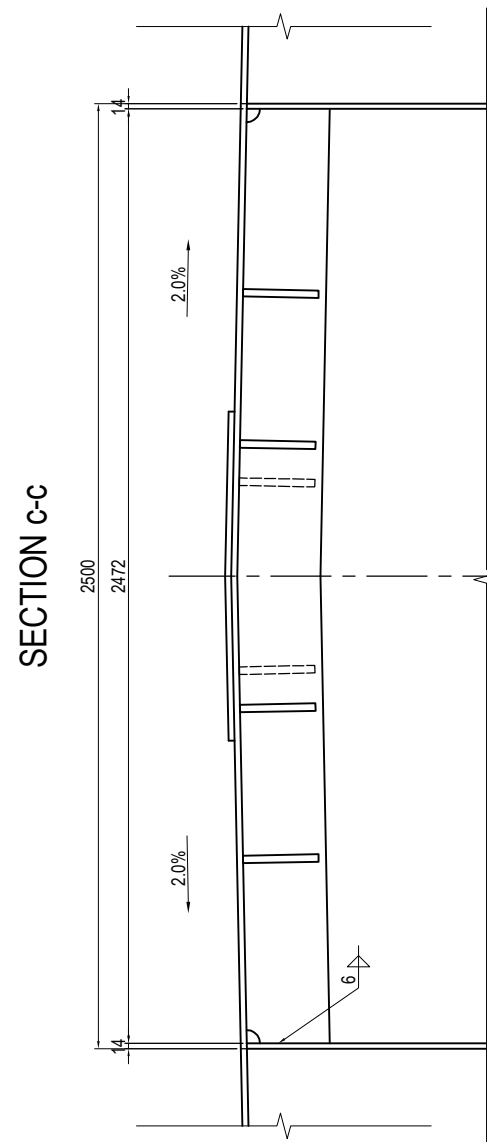
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (1)	PACKAGE 1 DWG No. P1-CS-1415
				PREPARED BY T. TOMODA				
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (2)

S=1:20

SECTION A-A

TO ϕ BRIDGE
& TO ϕ MAIN TOWER P11



SYMM. ABT ϕ GIRDER

ERECTION \blacktriangleright

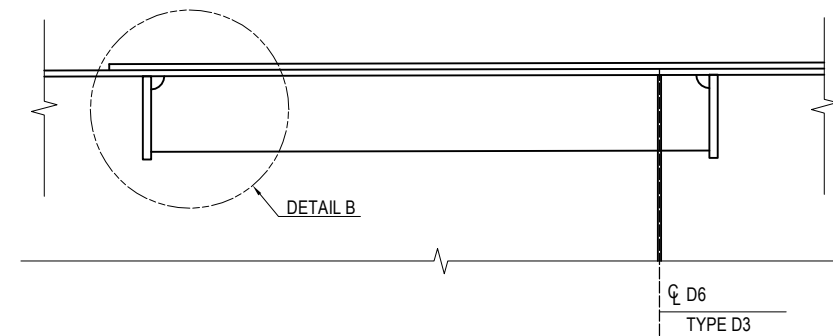
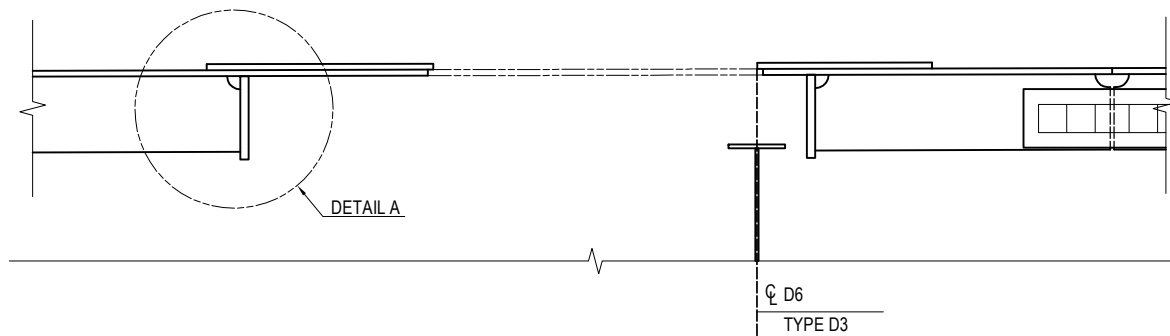
ϕ D6
TYPE D3

ϕ ERECTION JOINT
EJ3A

SECTION a-a

SECTION b-b

- 1-PL 870 x 16 x 1920
- 2-RIB PL 220 x 22 x 2472
- 1-PIPE 457.2 x 12.7 x 1462 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664



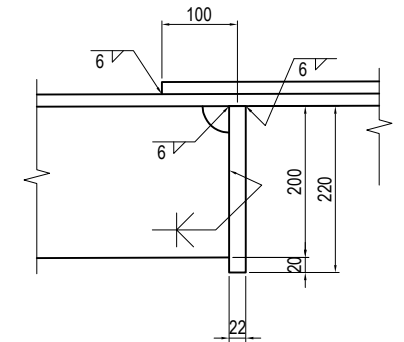
DETAIL A

DETAIL B

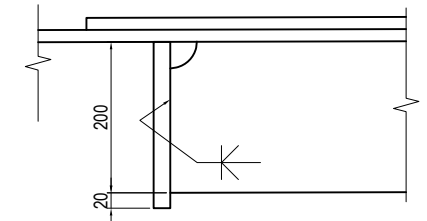
ϕ D6
TYPE D3

ϕ D6
TYPE D3

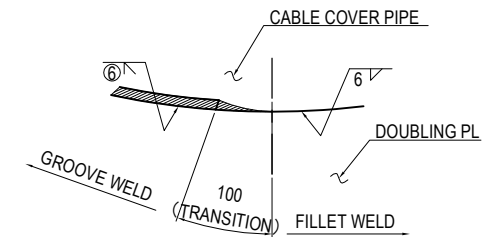
DETAIL A S=1:10



DETAIL B S=1:10



TRANSITION DETAIL \triangle S=1:10



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1415.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

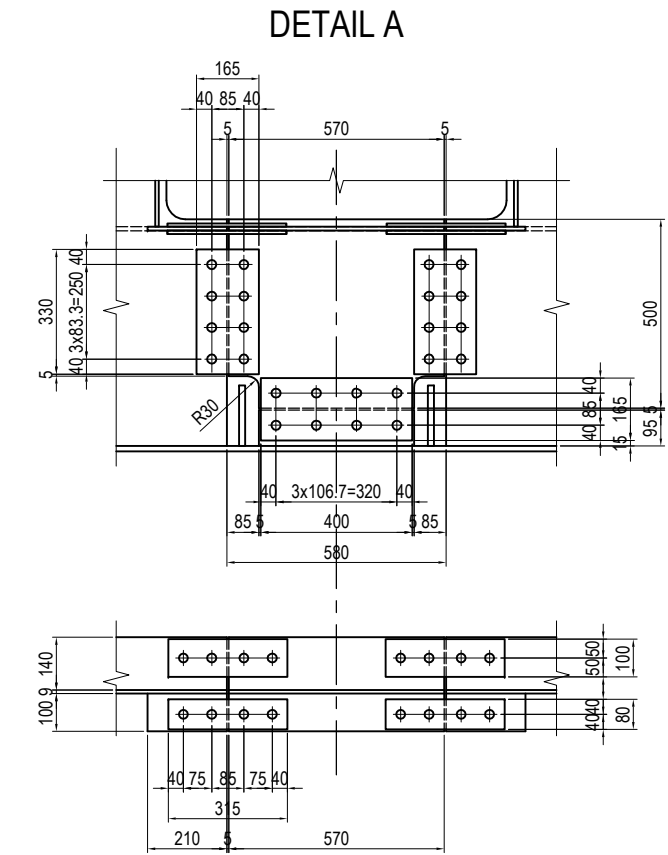
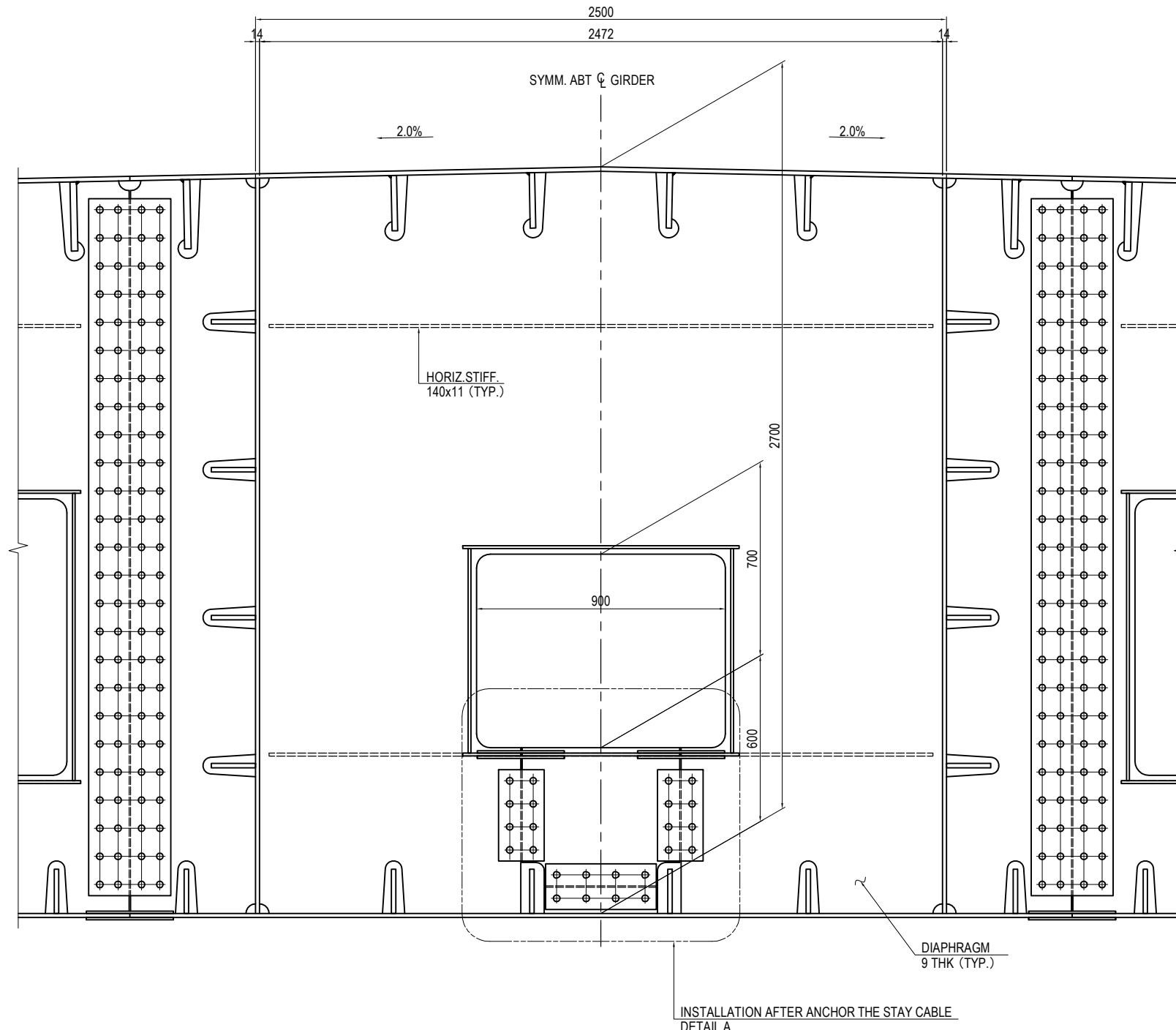
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h2 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (2)</h2>	PACKAGE 1 DWG No. P1-CS-1416
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C3 (3)

S=1:20

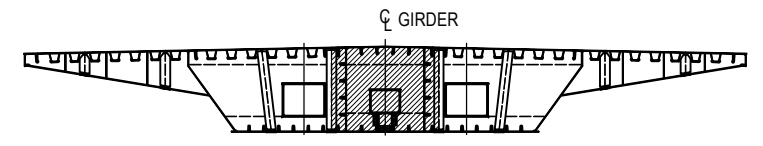
DIAPHRAGM D5 SECTION B-B



- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)

- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1415.
 - 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
 - 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (3)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1417

MAIN GIRDER ANCHORAGE OF STAY CABLES

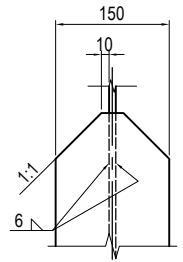
CABLE NO.C3 (4)

S=1:20

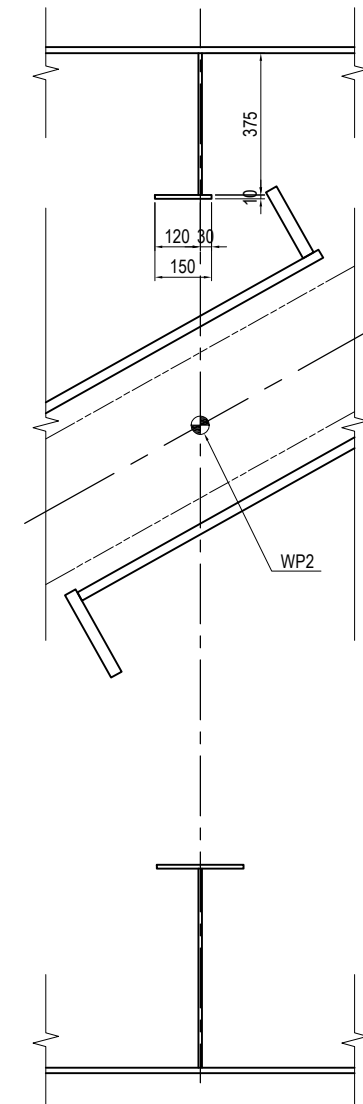
CROSSFRAME R5 SECTION C-C

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

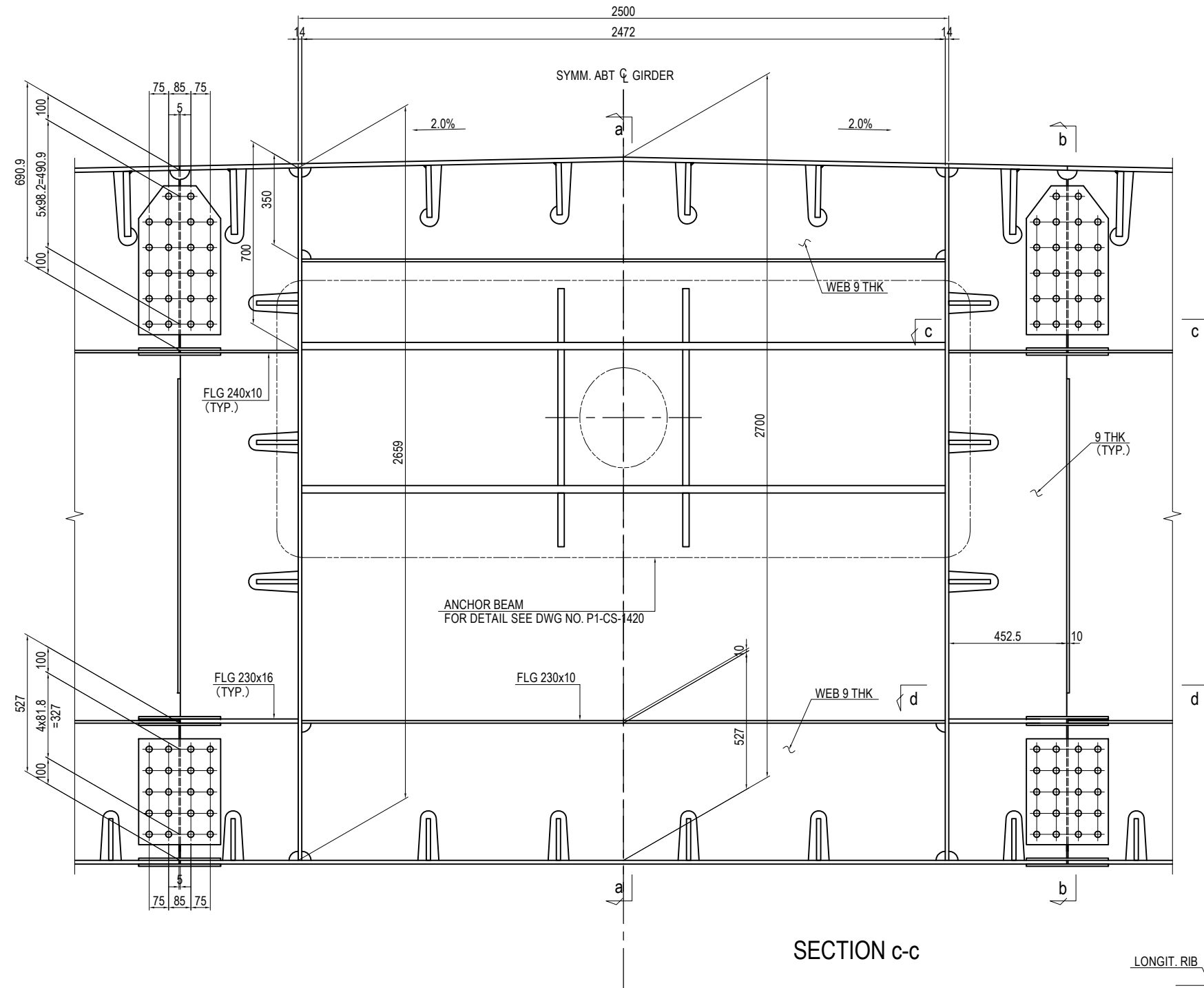
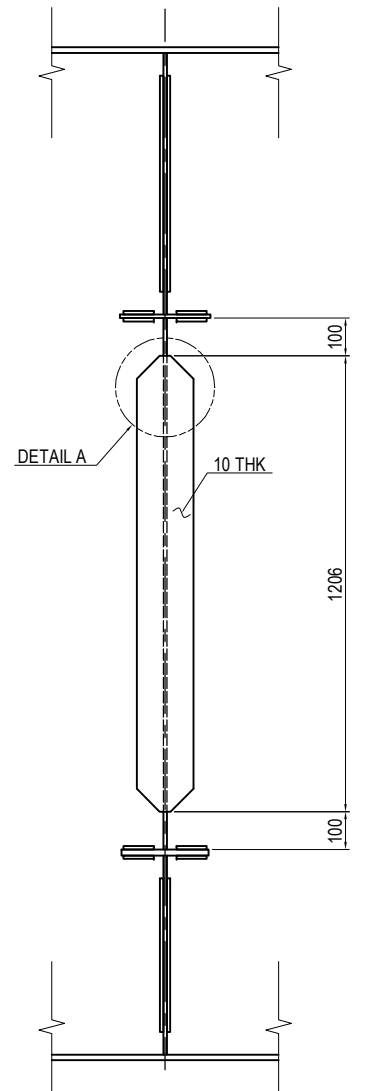
DETAIL A S=1:10



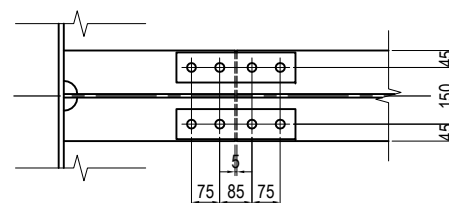
SECTION a-a



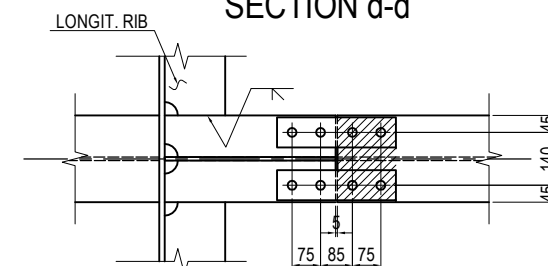
SECTION b-b



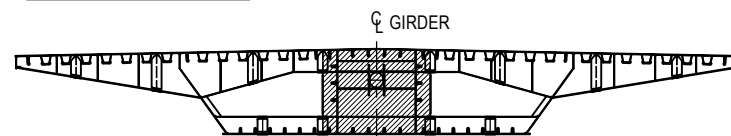
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1415.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

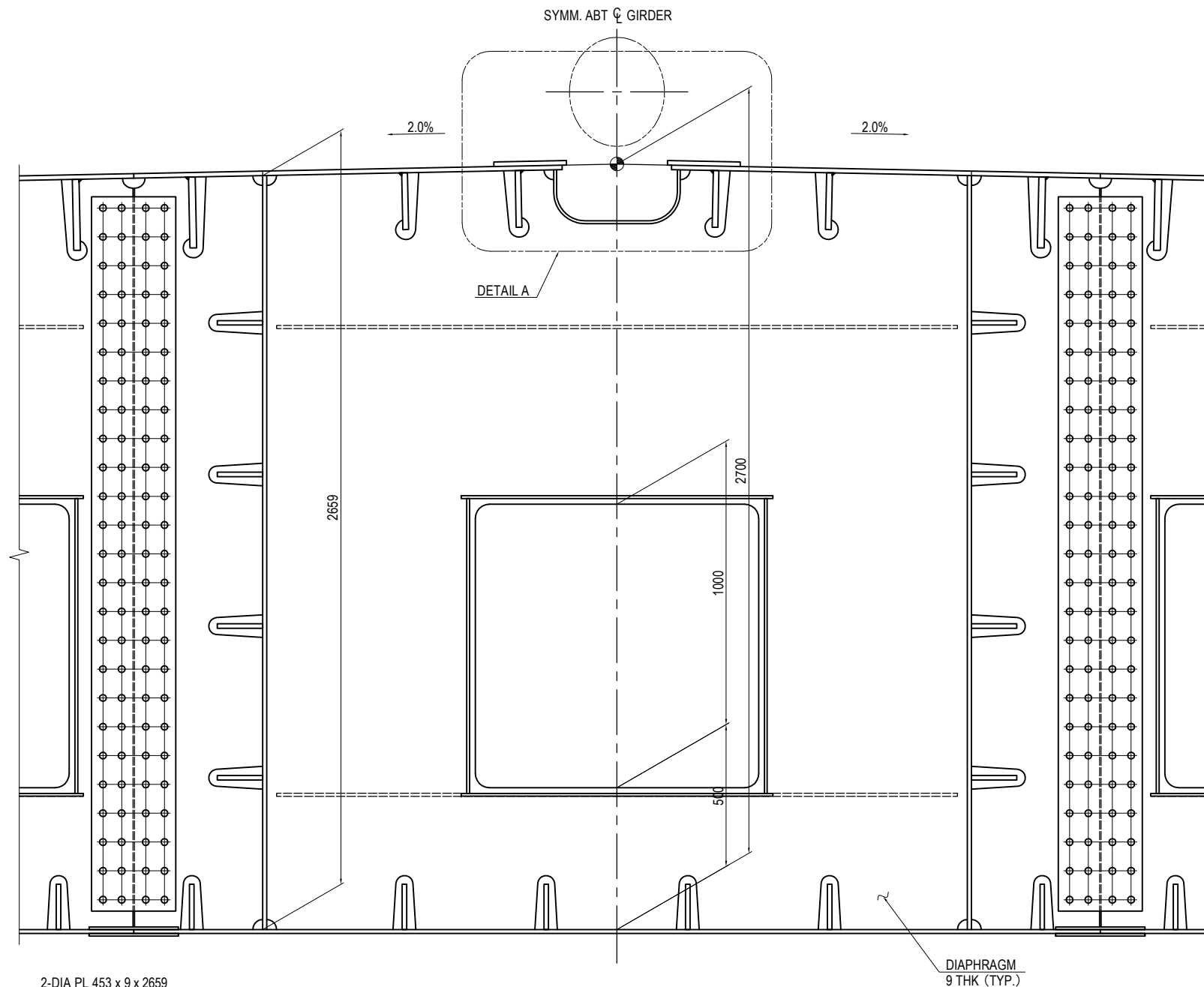
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1418

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C3 (5)

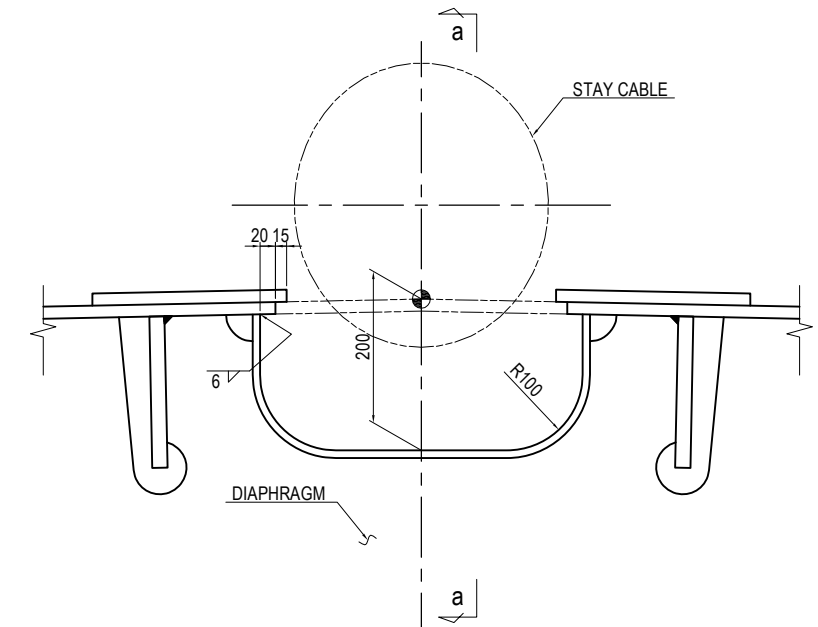
S=1:20

DIAPHRAGM D6 SECTION D-D

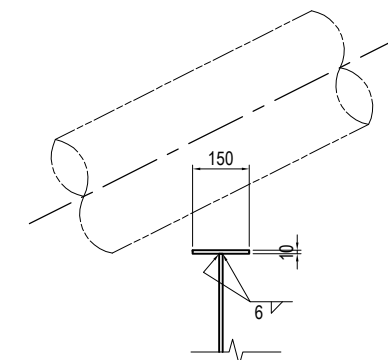


- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTIF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715

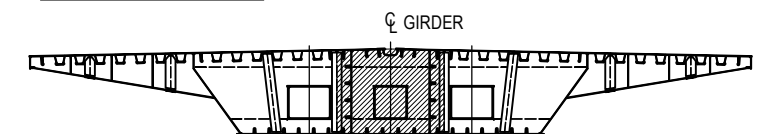
DETAIL A S=1:10



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

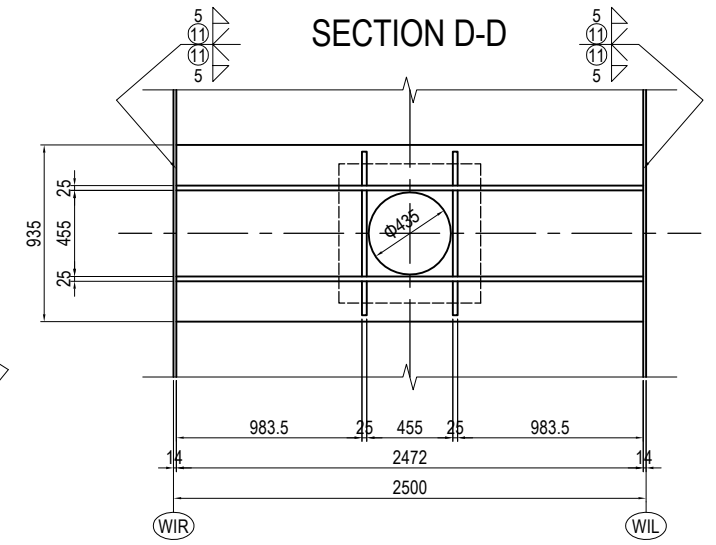
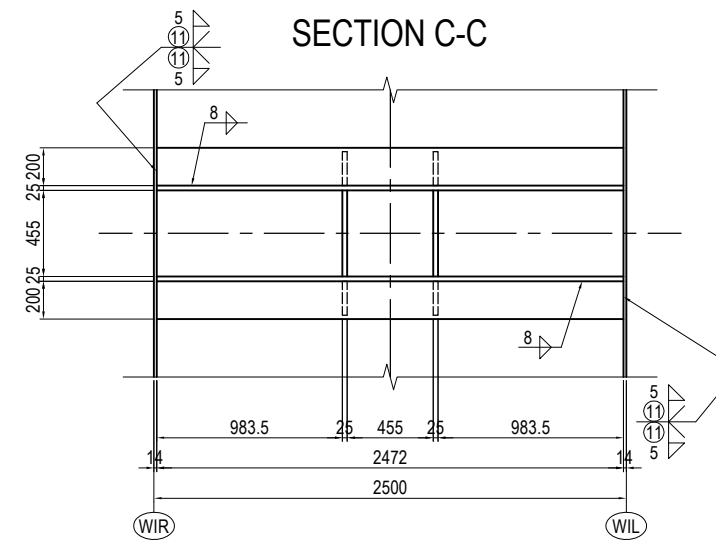
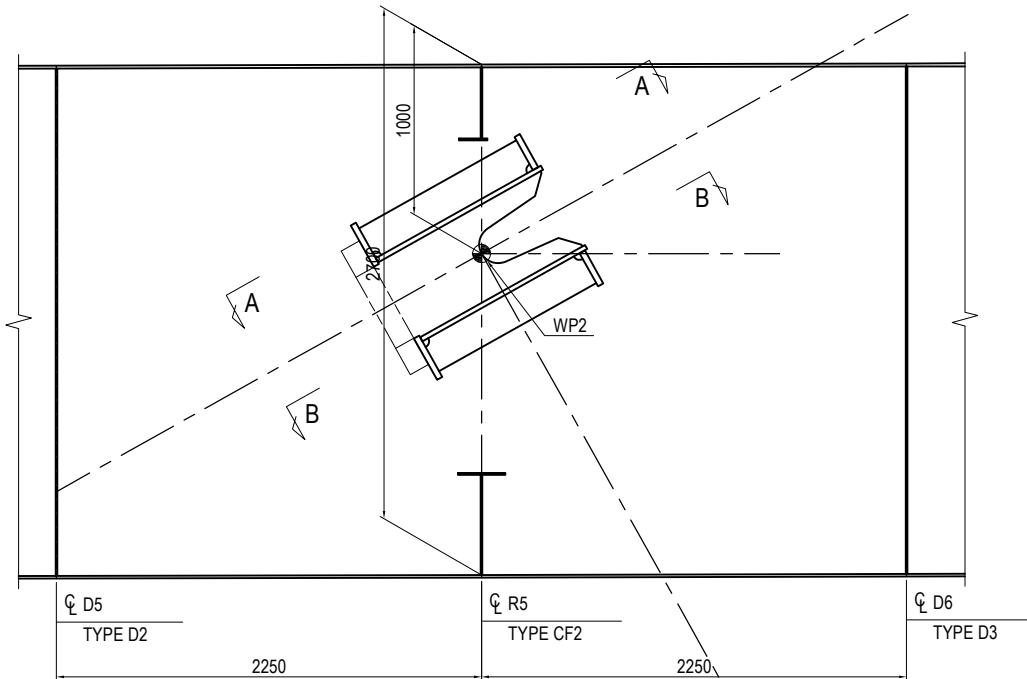
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1415.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	PREPARED BY T. TOMODA			MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (5)	1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1419

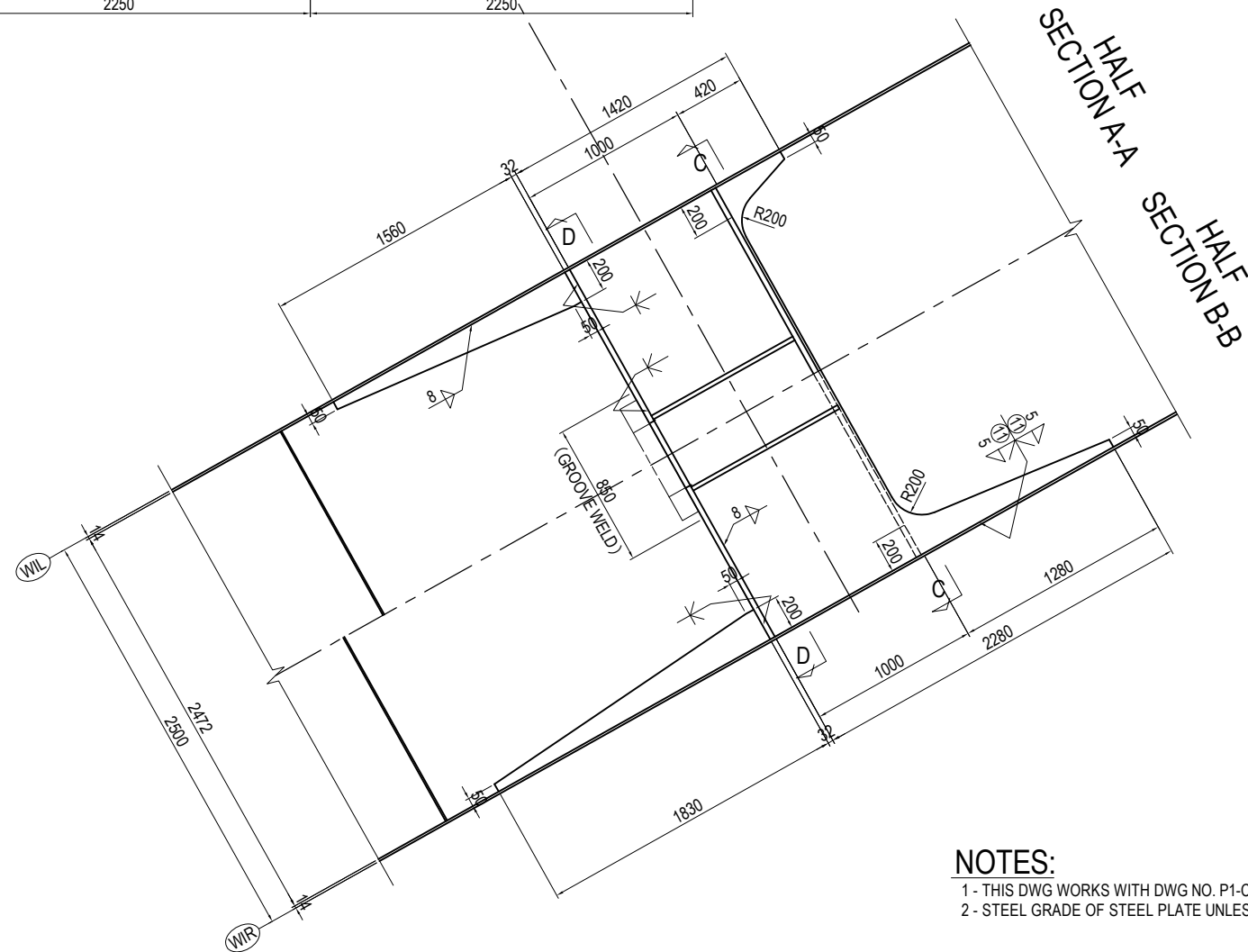
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (6)

S=1:40

ANCHOR BEAM C3



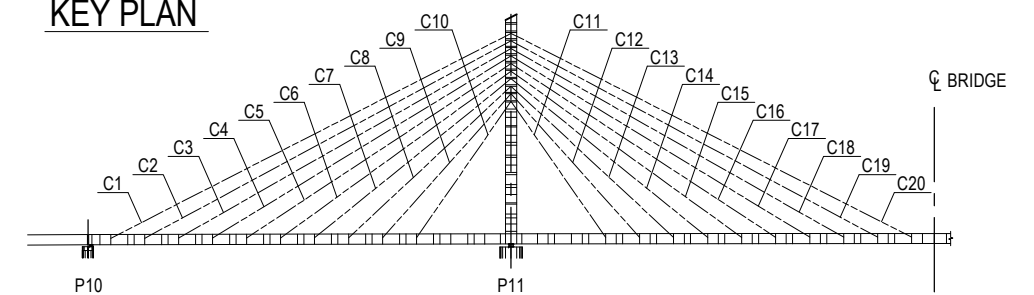
- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2280 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1830(SM490YB)
- 1-WEB PL 1420 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1560(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1418.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN

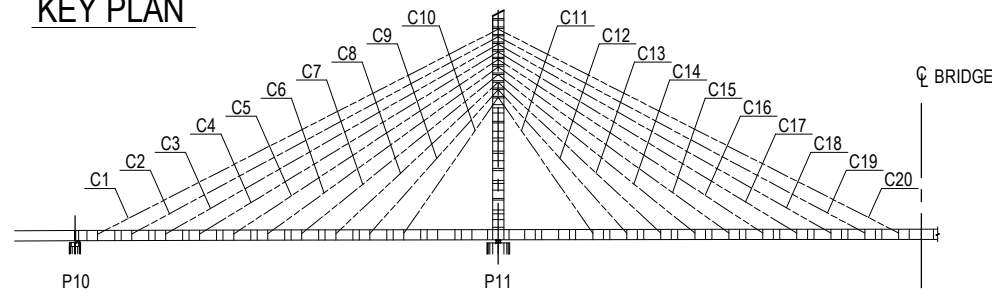


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C3 (6)	PACKAGE 1 DWG No. P1-CS-1420
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

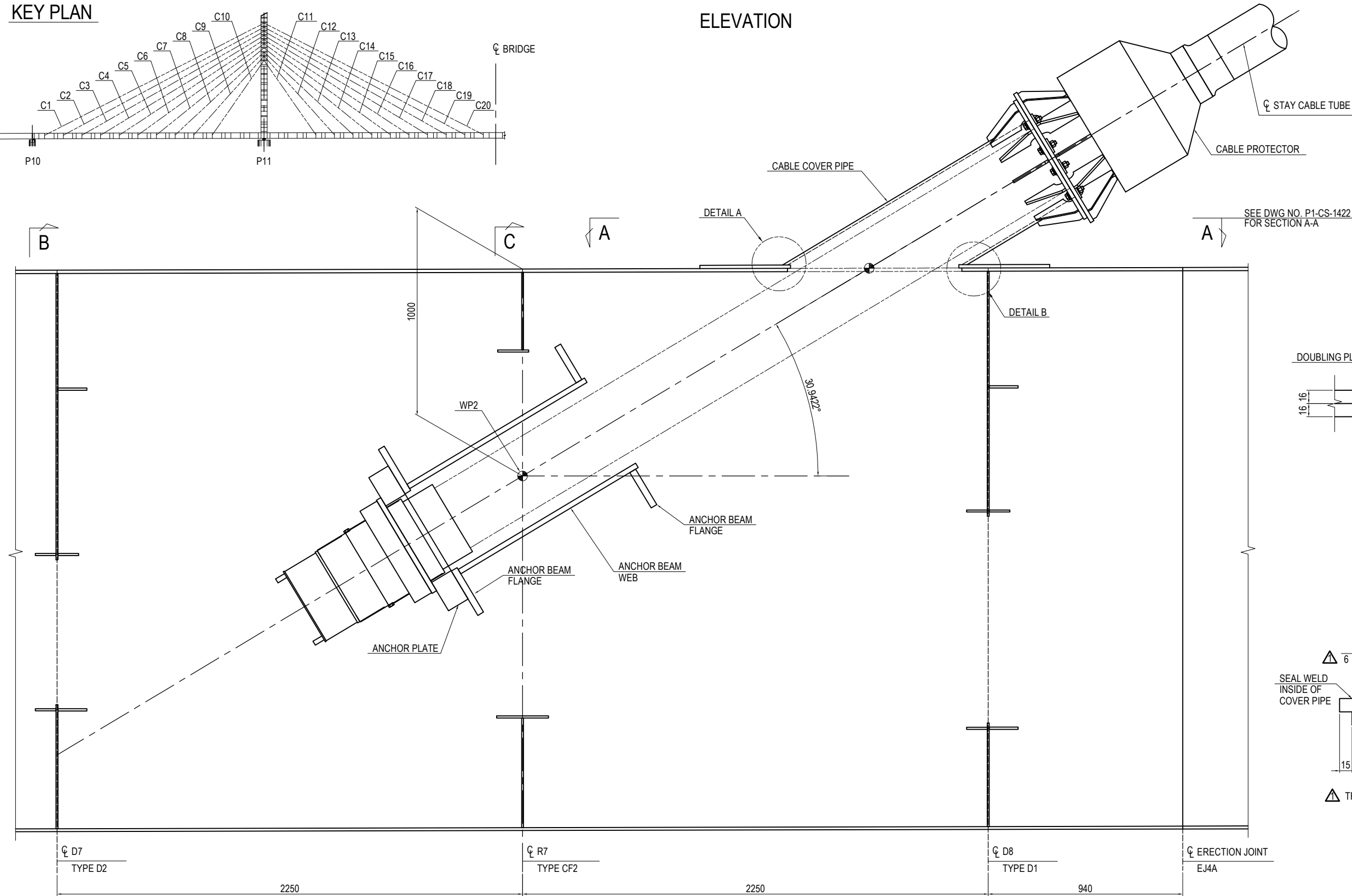
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (1)

S=1:20

KEY PLAN

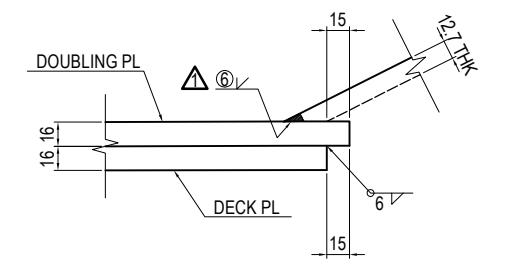


ELEVATION

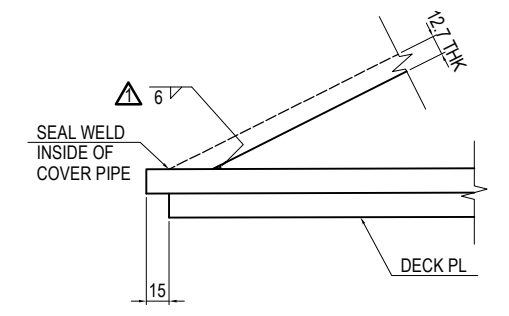


SEE DWG NO. P1-CS-1422 FOR SECTION A-A

DETAIL A S=1:5



DETAIL B S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1422.

CL D7 TYPE D2 2250 CL R7 TYPE CF2 2250 CL D8 TYPE D1 940 CL ERECTION JOINT EJ4A

B
SEE DWG NO. P1-CS-1423 FOR DIAPHRAGM SECTION B-B

C
SEE DWG NO. P1-CS-1424 FOR CROSSFRAME SECTION C-C

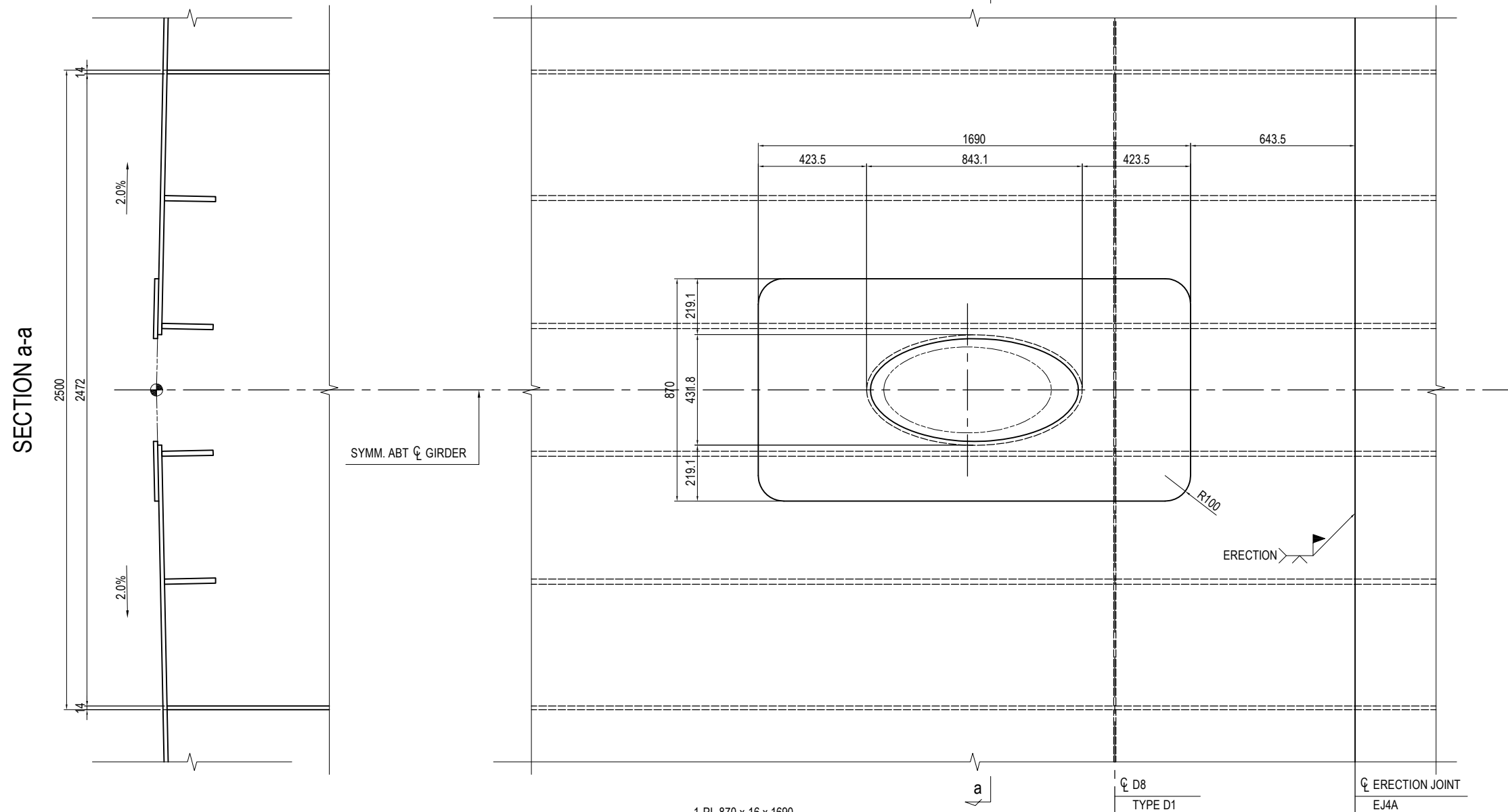
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><small>NAME</small></td> <td>T.TOMODA</td> </tr> <tr> <td><small>SIGNATURE</small></td> <td></td> </tr> <tr> <td><small>DATE</small></td> <td></td> </tr> </table>	<small>NAME</small>	T.TOMODA	<small>SIGNATURE</small>		<small>DATE</small>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><small>PREPARED BY</small></td> <td>T.TOMODA</td> </tr> <tr> <td><small>CHECKED BY</small></td> <td>T. HAYAKAWA</td> </tr> <tr> <td><small>APPROVED BY</small></td> <td>Y. SANO</td> </tr> </table>	<small>PREPARED BY</small>	T.TOMODA	<small>CHECKED BY</small>	T. HAYAKAWA	<small>APPROVED BY</small>	Y. SANO	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;"><small>DRAWING TITLE</small></td> </tr> <tr> <td style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (1)</td> </tr> </table>	<small>DRAWING TITLE</small>	MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (1)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><small>PACKAGE</small></td> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td><small>DWG No.</small></td> </tr> <tr> <td style="text-align: center;">P1-CS-1421</td> </tr> </table>	<small>PACKAGE</small>	1	<small>DWG No.</small>	P1-CS-1421
<small>NAME</small>	T.TOMODA																								
<small>SIGNATURE</small>																									
<small>DATE</small>																									
<small>PREPARED BY</small>	T.TOMODA																								
<small>CHECKED BY</small>	T. HAYAKAWA																								
<small>APPROVED BY</small>	Y. SANO																								
<small>DRAWING TITLE</small>																									
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (1)																									
<small>PACKAGE</small>																									
1																									
<small>DWG No.</small>																									
P1-CS-1421																									

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (2)

S=1:20

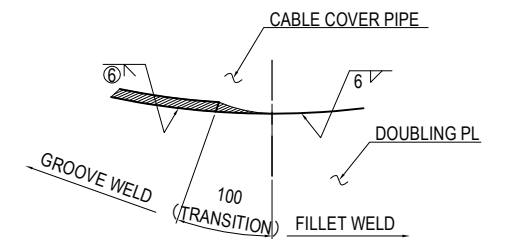
SECTION A-A

TO ϕ BRIDGE
& TO ϕ MAIN TOWER P11



- 1-PL 870 x 16 x 1690
- 1-PIPE 457.2 x 12.7 x 1383 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664

TRANSITION DETAIL \triangle S=1:10



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1421.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

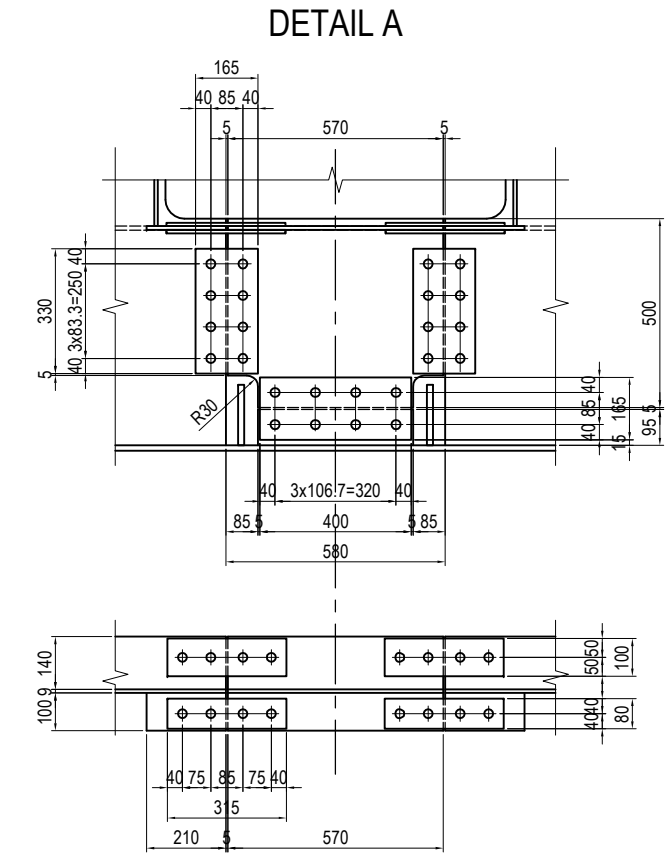
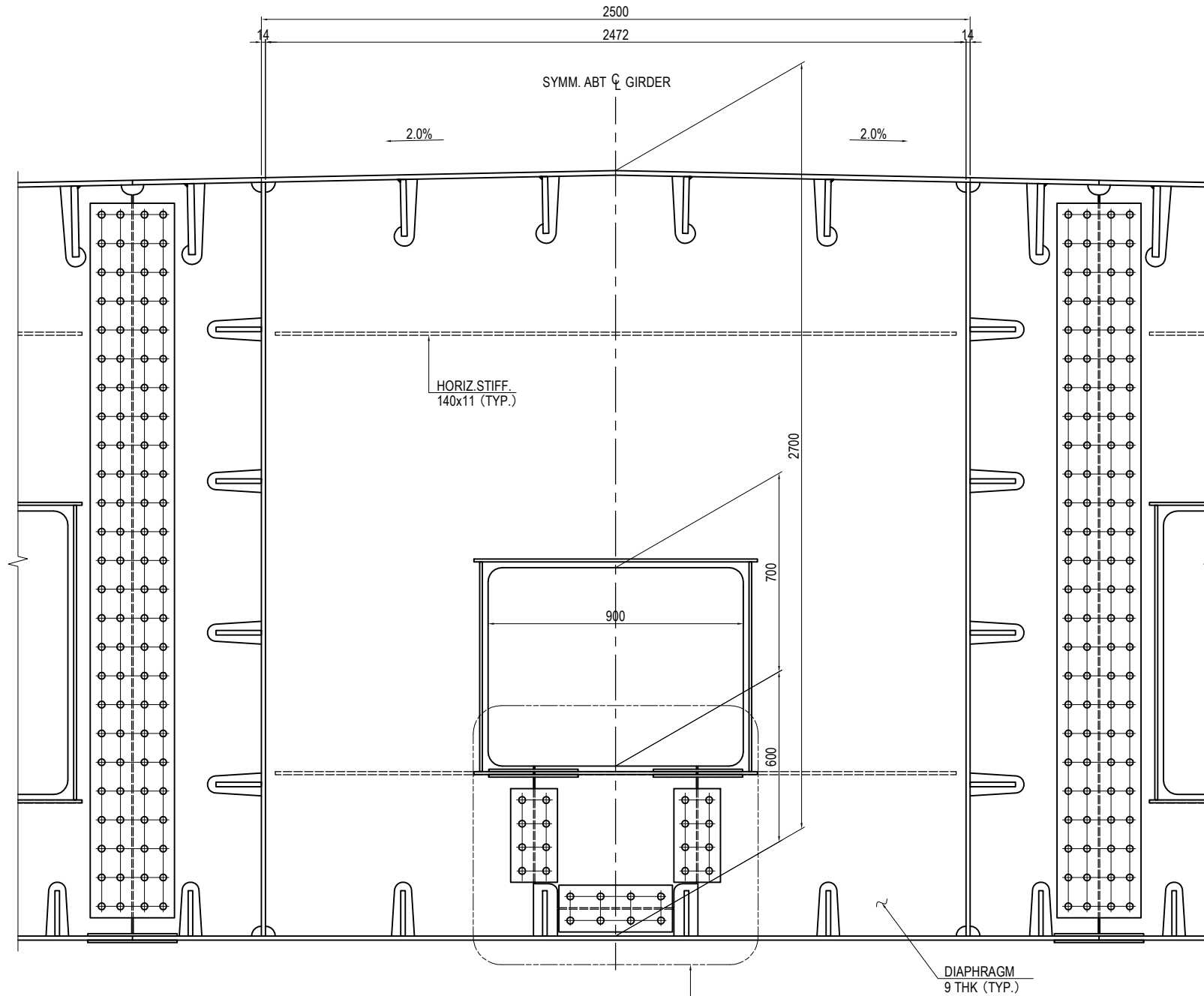
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (2)	PACKAGE 1 DWG No. P1-CS-1422
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C4 (3)

S=1:20

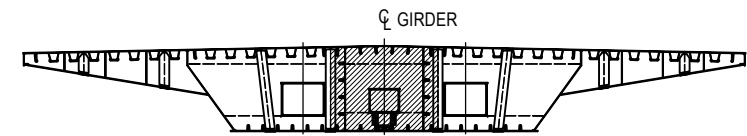
DIAPHRAGM D7 SECTION B-B



- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)

- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1421.
 - 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
 - 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

INSTALLATION AFTER ANCHOR THE STAY CABLE
DETAIL A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (3)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA			DWG No.	
				APPROVED BY Y. SANO			P1-CS-1423	

MAIN GIRDER ANCHORAGE OF STAY CABLES

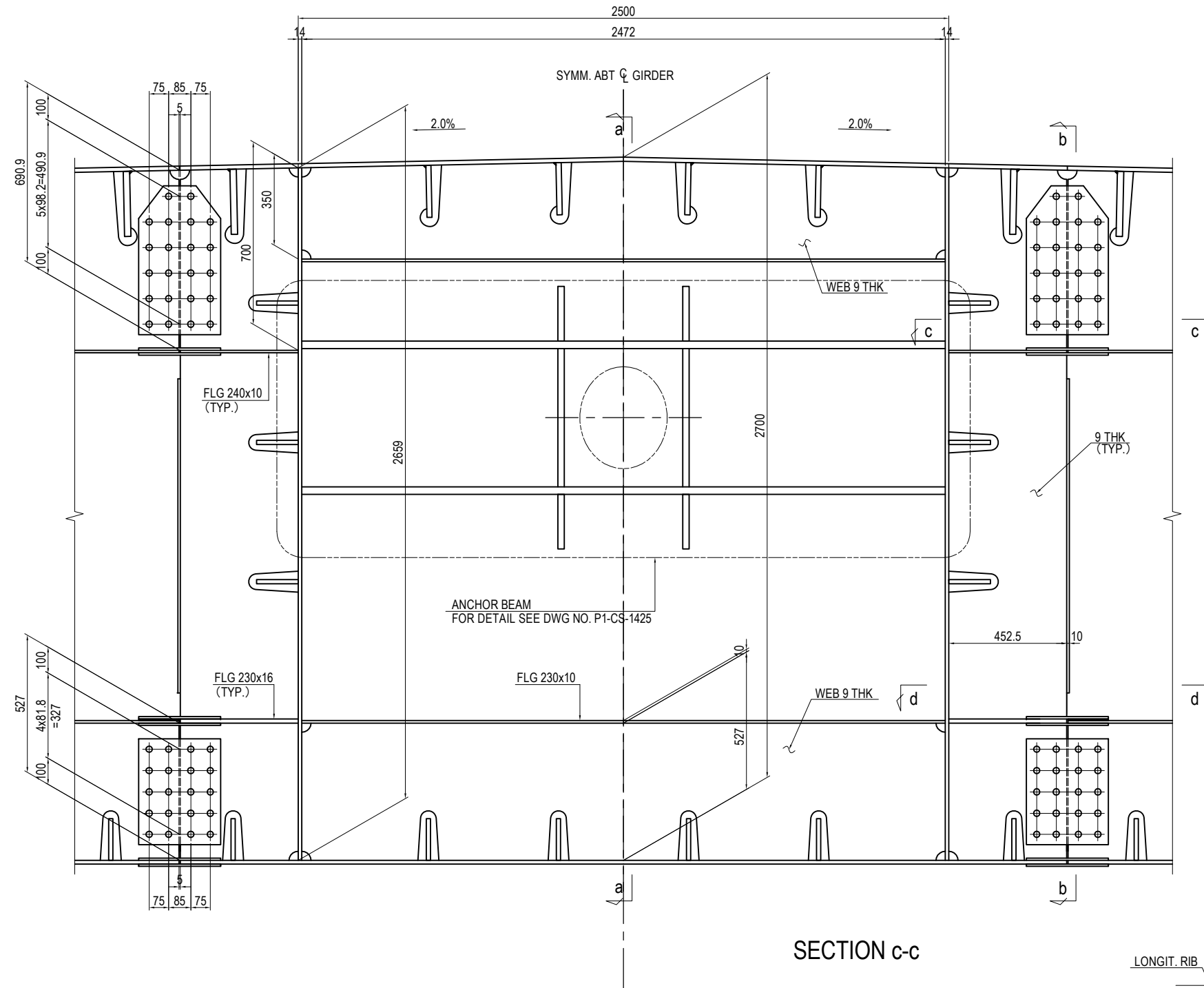
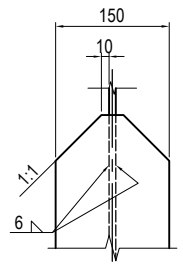
CABLE NO.C4 (4)

S=1:20

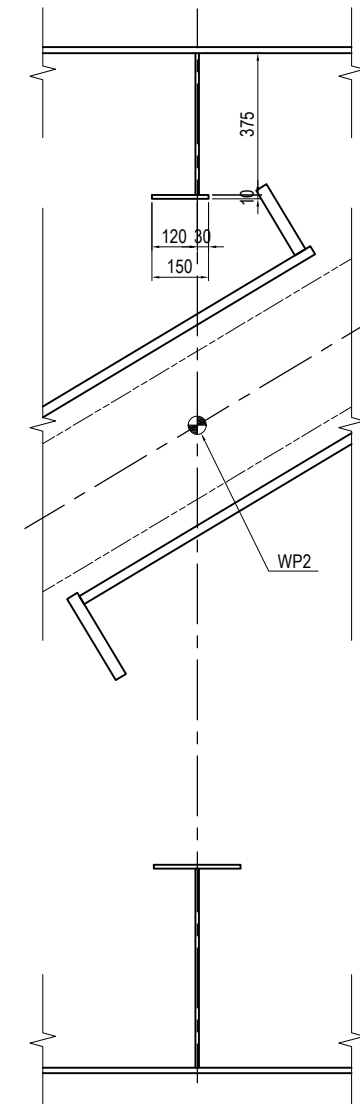
CROSSFRAME R7 SECTION C-C

2-WEB PL 453 x 9 x 2659 (SM490YA)
 2-FLG PL 150 x 10 x 1206 (SM490YA)
 4-FLG PL 116 x 10 x 453 (SM490YA)
 4-FLG PL 111 x 16 x 453 (SM490YA)
 1-WEB PL 375 x 9 x 2472 (SM490YA)
 1-FLG PL 150 x 10 x 2472 (SM490YA)
 1-WEB PL 527 x 9 x 2472
 1-FLG PL 230x 10 x 2472

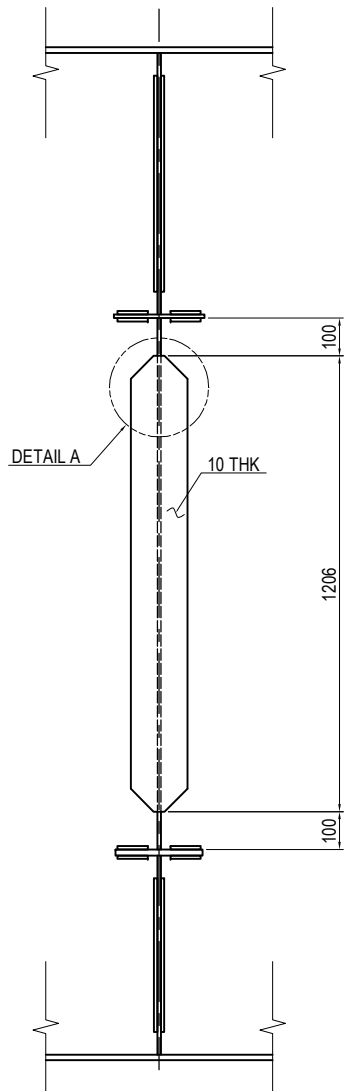
DETAIL A S=1:10



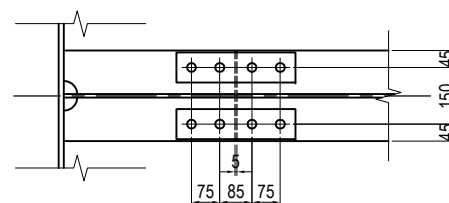
SECTION a-a



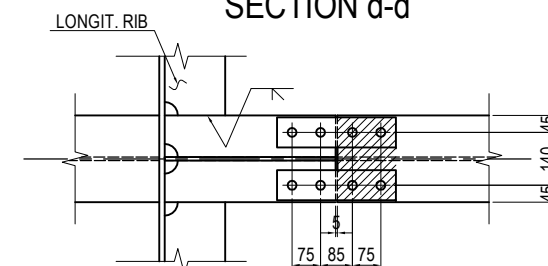
SECTION b-b



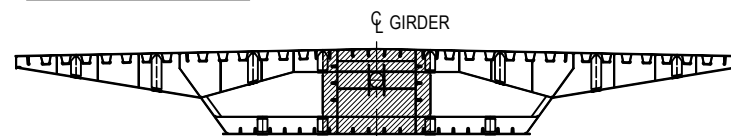
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

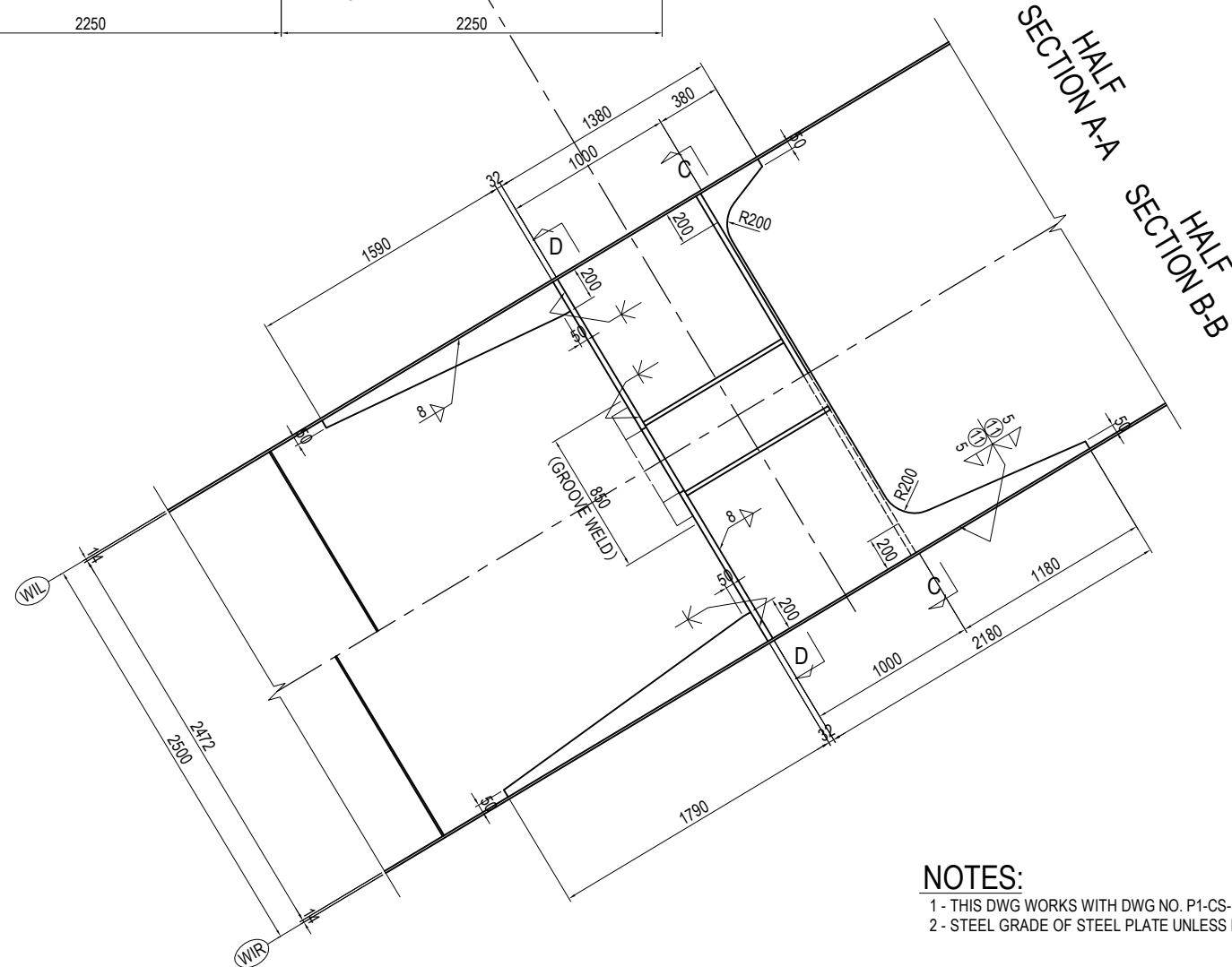
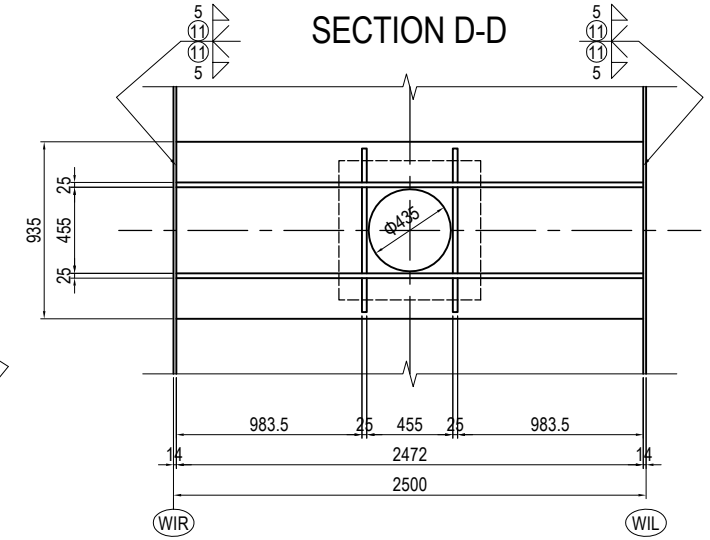
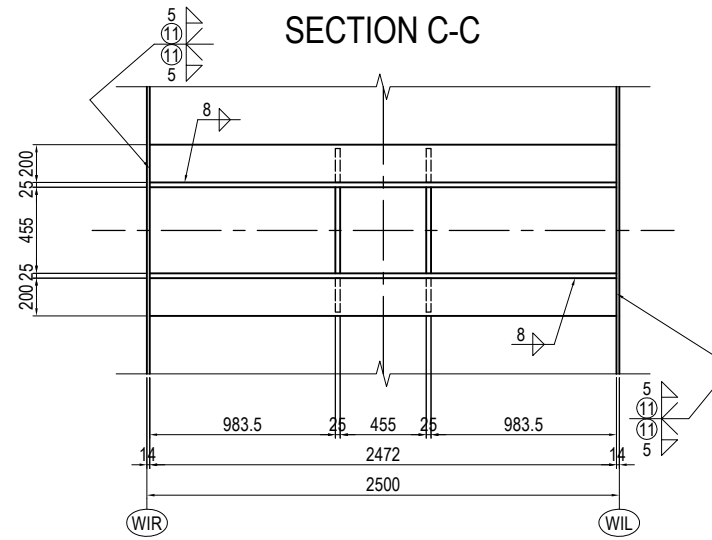
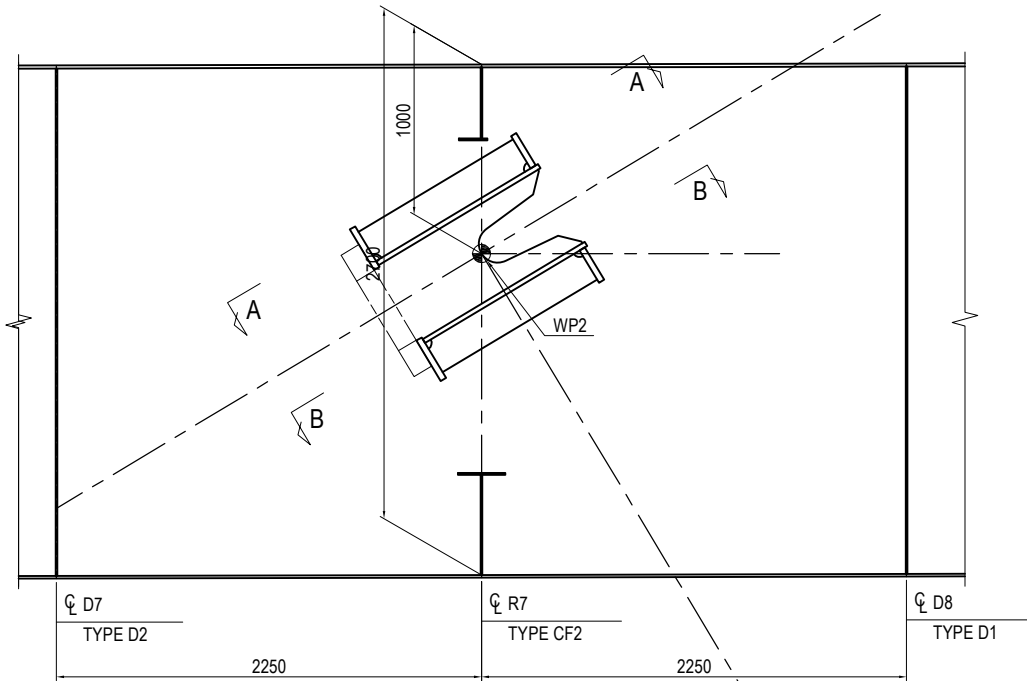
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1421.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1424

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (5)

S=1:40

ANCHOR BEAM C4

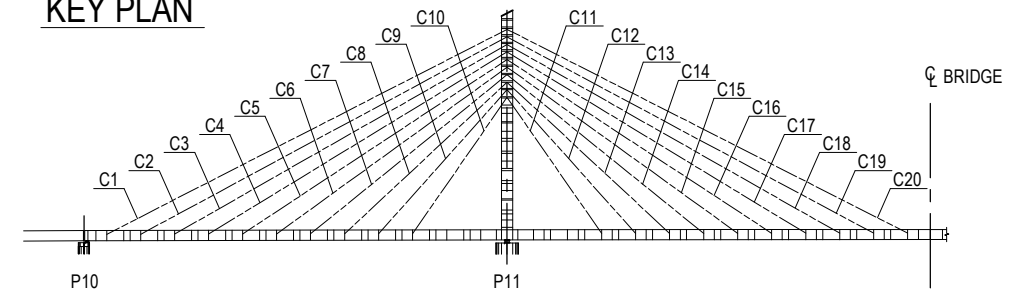


- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2180 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1880(SM490YB)
- 1-WEB PL 1380 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1590(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1424.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN

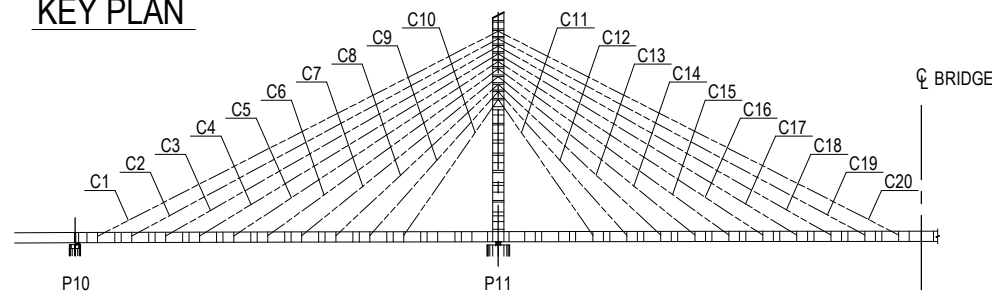


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C4 (5)</h3>	PACKAGE 1 DWG No. P1-CS-1425
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

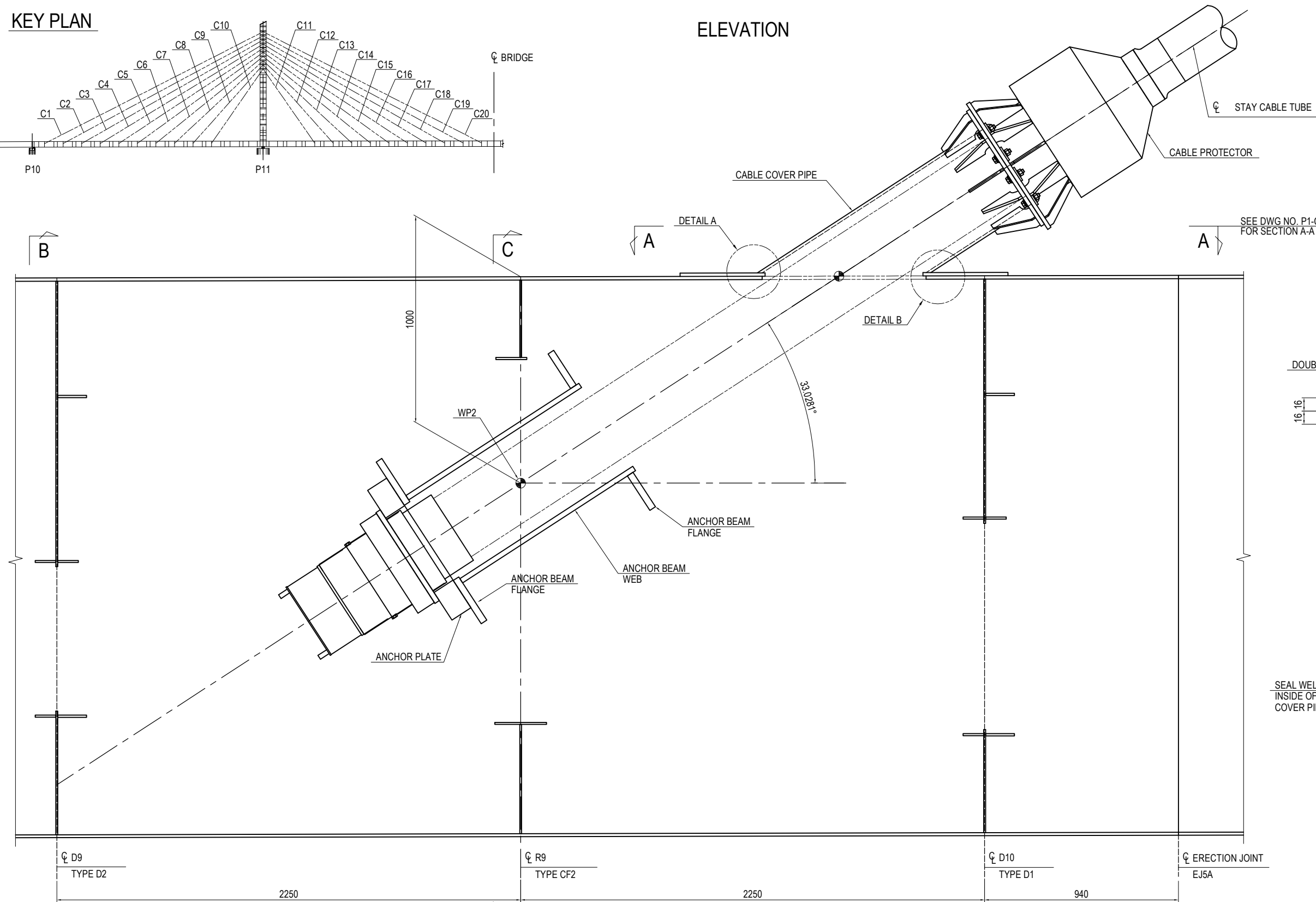
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (1)

S=1:20

KEY PLAN

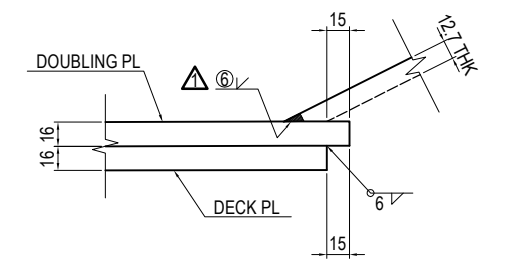


ELEVATION

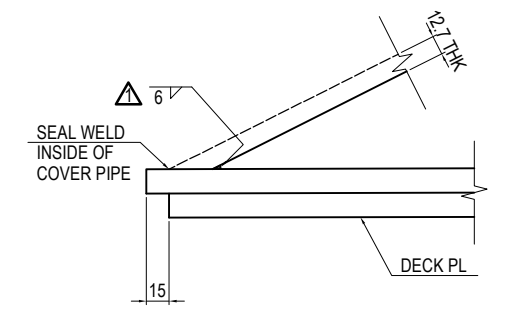


SEE DWG NO. P1-CS-1427 FOR SECTION A-A

DETAIL A S=1:5



DETAIL B S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1427.

☉ D9 TYPE D2 2250
☉ R9 TYPE CF2 2250
☉ D10 TYPE D1 940
☉ ERECTION JOINT EJ5A

SEE DWG NO. P1-CS-1428 FOR DIAPHRAGM SECTION B-B

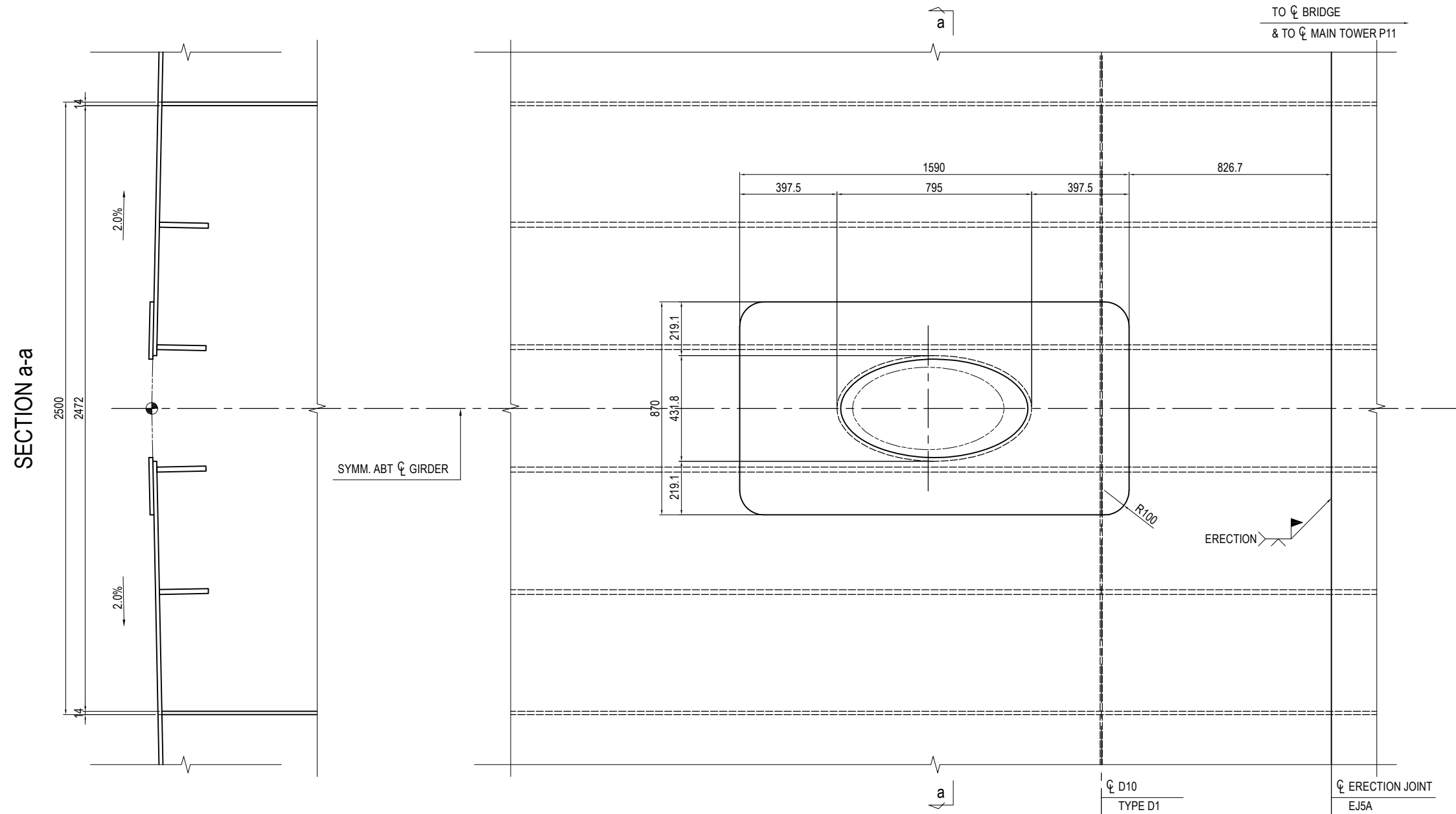
SEE DWG NO. P1-CS-1429 FOR CROSSFRAME SECTION C-C

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE _____ _____ _____	DATE _____ _____ _____	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (1)	PACKAGE 1 DWG No. P1-CS-1426
---	--	---	--	---	--------------------------------------	---------------------------------	--	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (2)

S=1:20

SECTION A-A



SYMM. ABT ϕ GIRDER

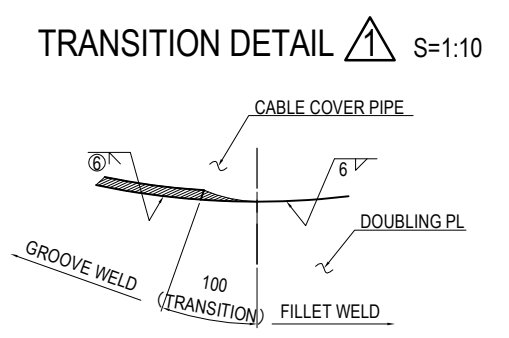
TO ϕ BRIDGE
& TO ϕ MAIN TOWER P11

ERECTOR

ϕ D10
TYPE D1

ϕ ERECTION JOINT
EJ5A

- 1-PL 870 x 16 x 1590
- 1-PIPE 457.2 x 12.7 x 1296 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664



TRANSITION DETAIL \triangle S=1:10

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1426.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

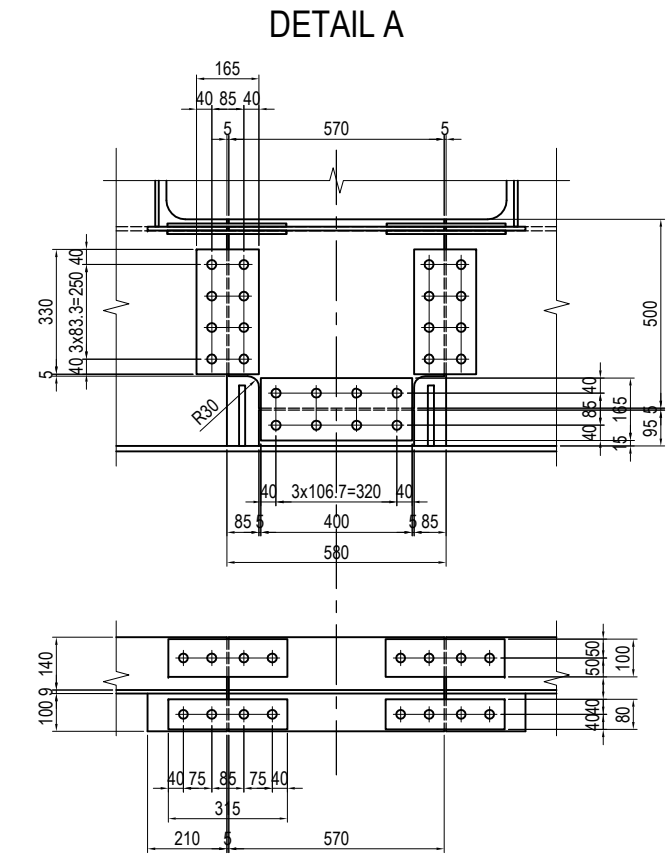
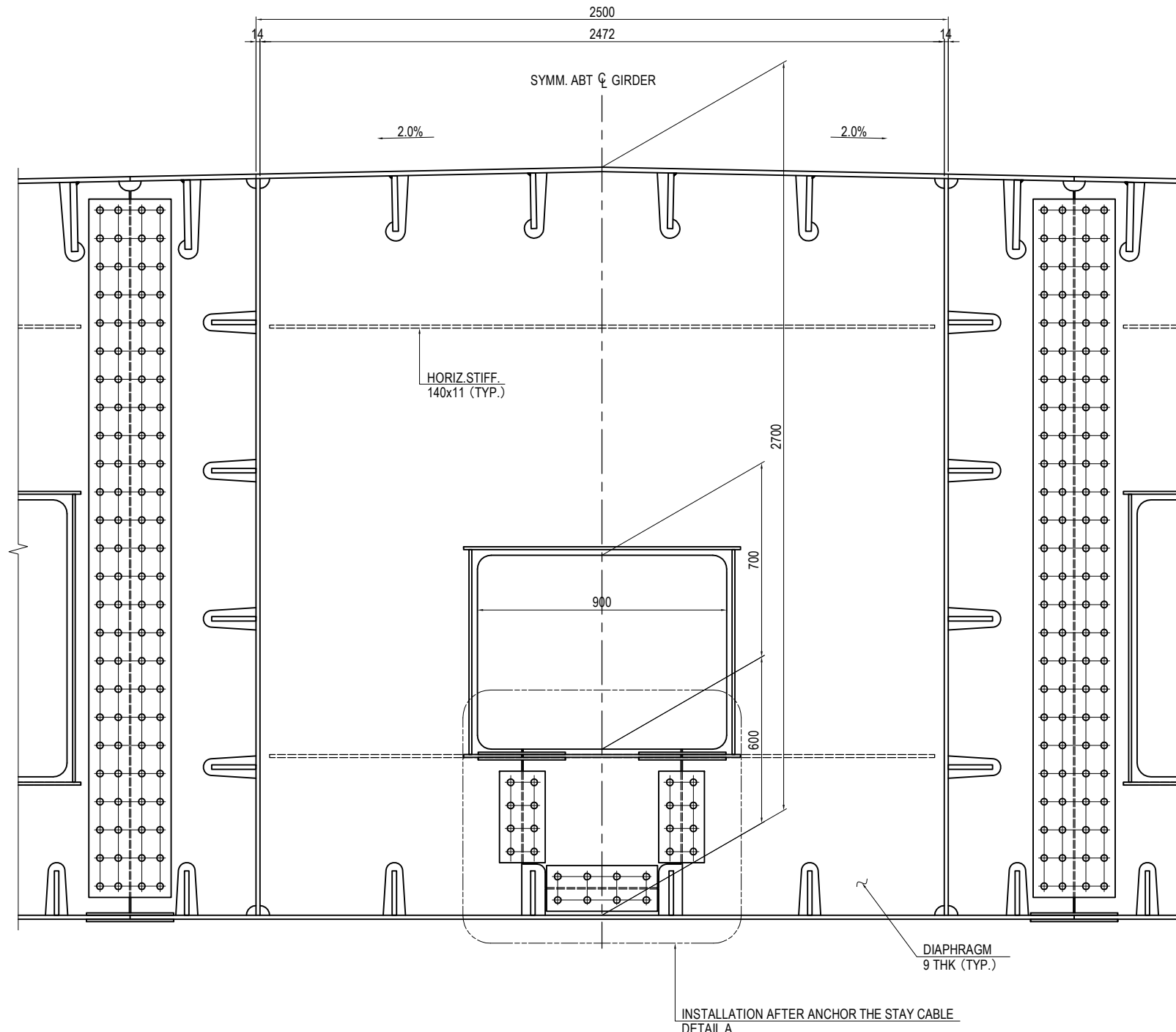
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (2)</h3>	PACKAGE 1 DWG No. P1-CS-1427
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C5 (3)

S=1:20

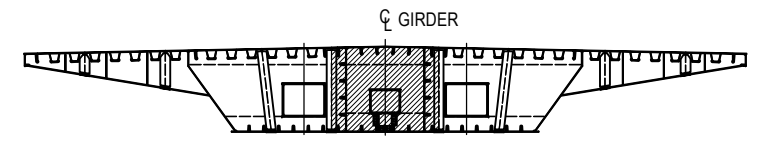
DIAPHRAGM D9 SECTION B-B



- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1426.
 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
 DIAPHRAGM TYPE D1.
 3 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (3)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA			DWG No.	
				APPROVED BY Y. SANO			P1-CS-1428	

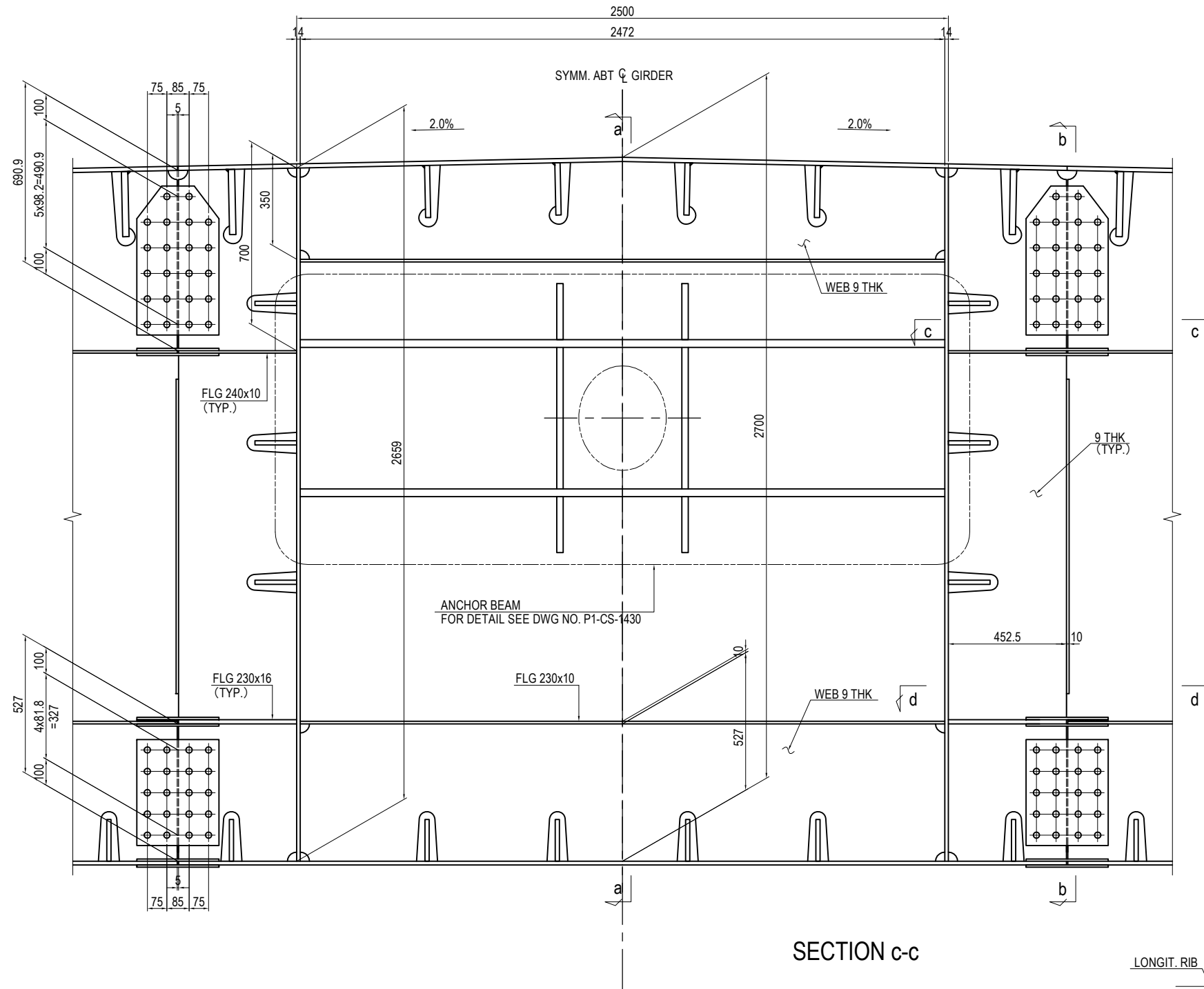
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C5 (4)

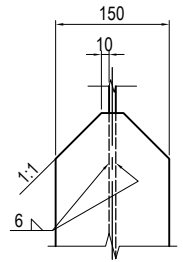
S=1:20

CROSSFRAME R9 SECTION C-C

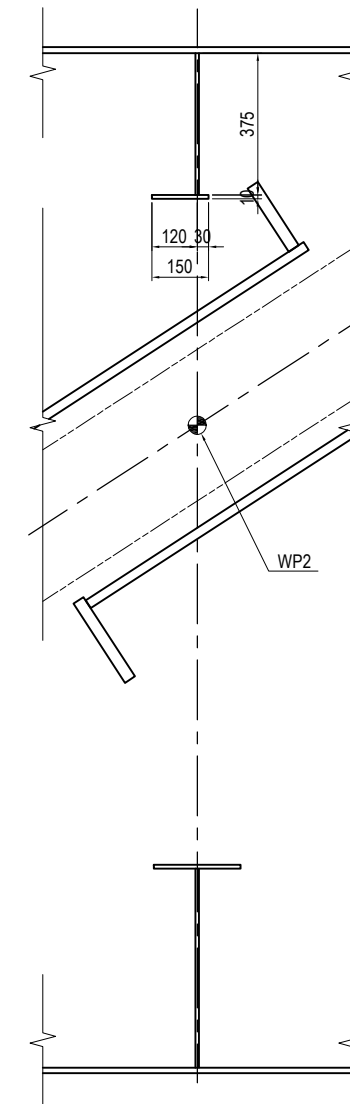
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



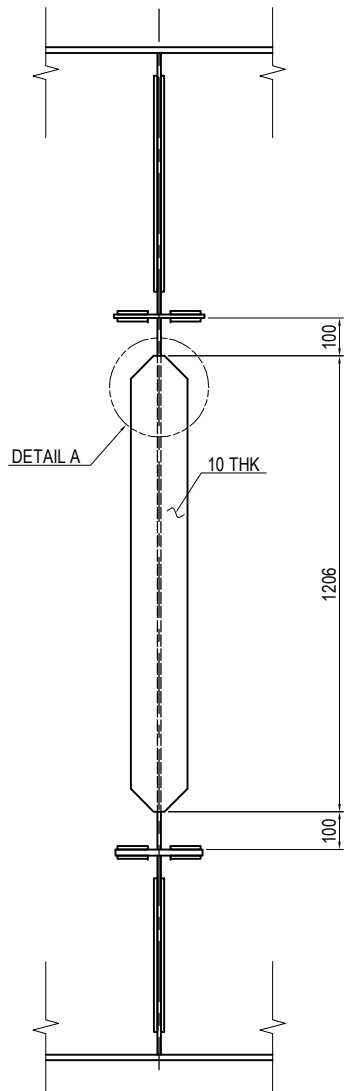
DETAIL A S=1:10



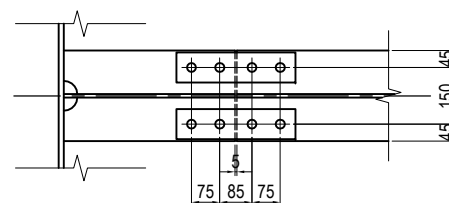
SECTION a-a



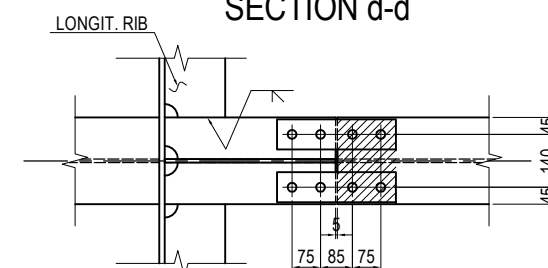
SECTION b-b



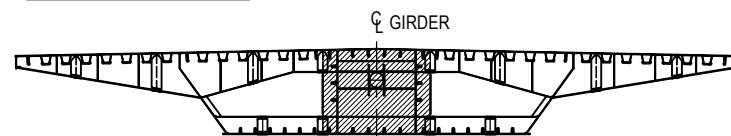
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

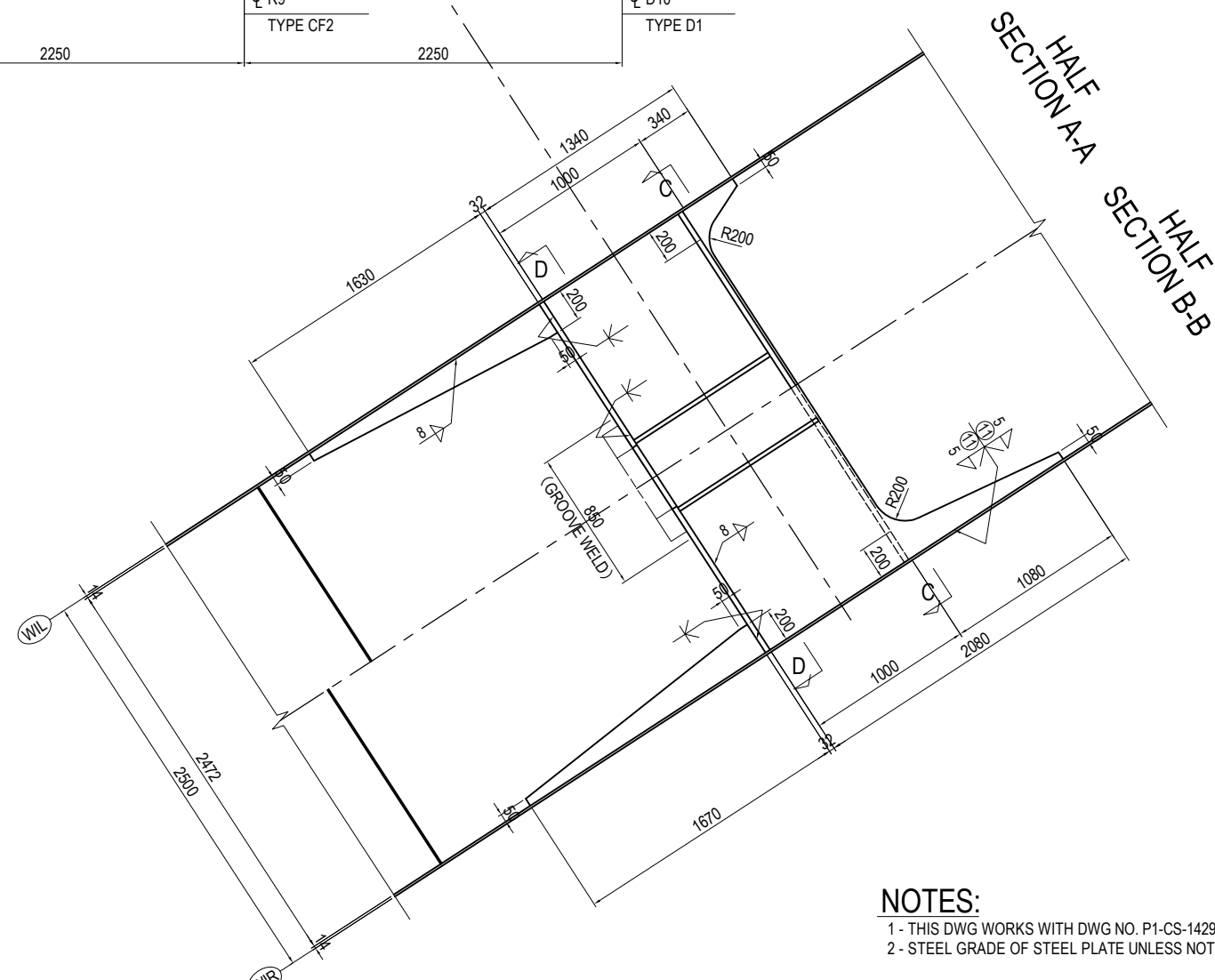
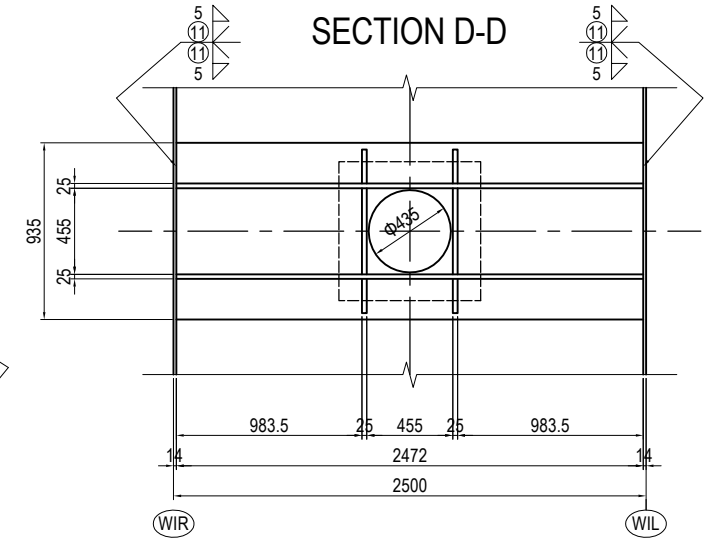
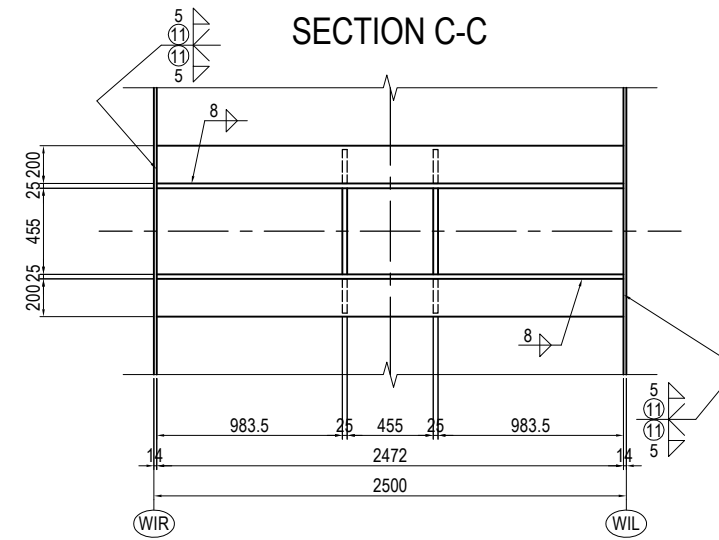
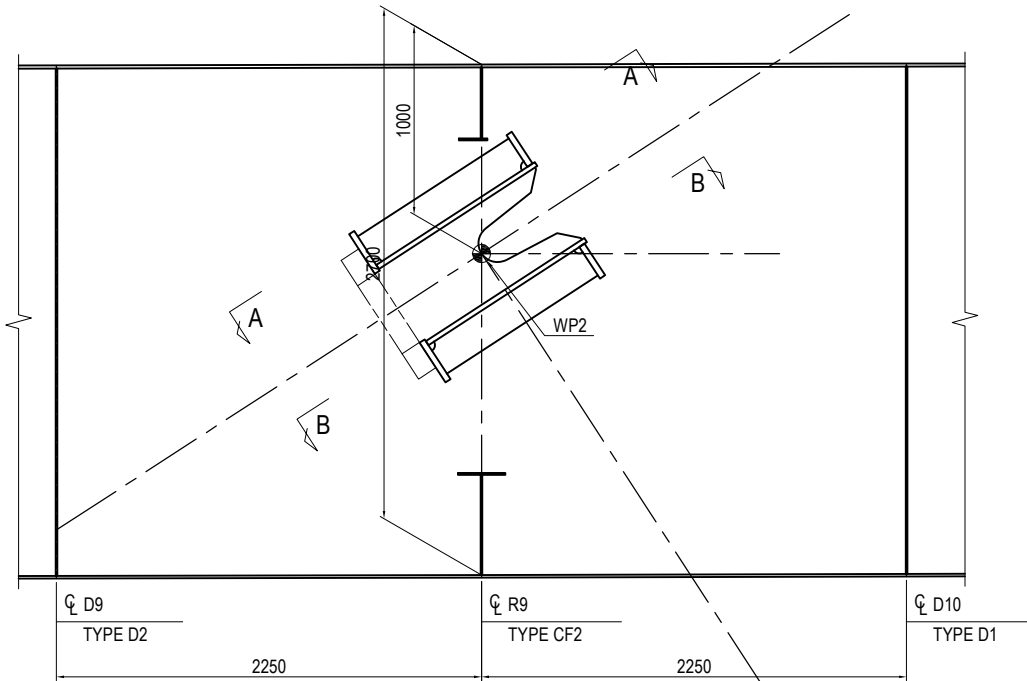
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1426.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1429

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (5)

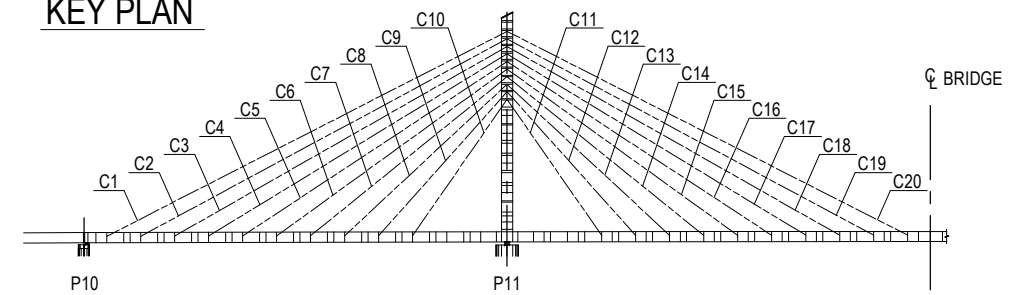
S=1:40

ANCHOR BEAM C5



- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2080 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1940(SM490YB)
- 1-WEB PL 1340 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1630(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)

KEY PLAN



NOTES:

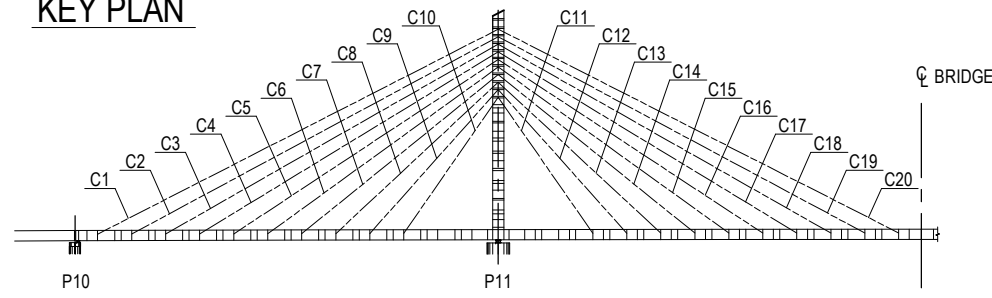
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1429.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C5 (5)</h3>	PACKAGE 1 DWG No. P1-CS-1430
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

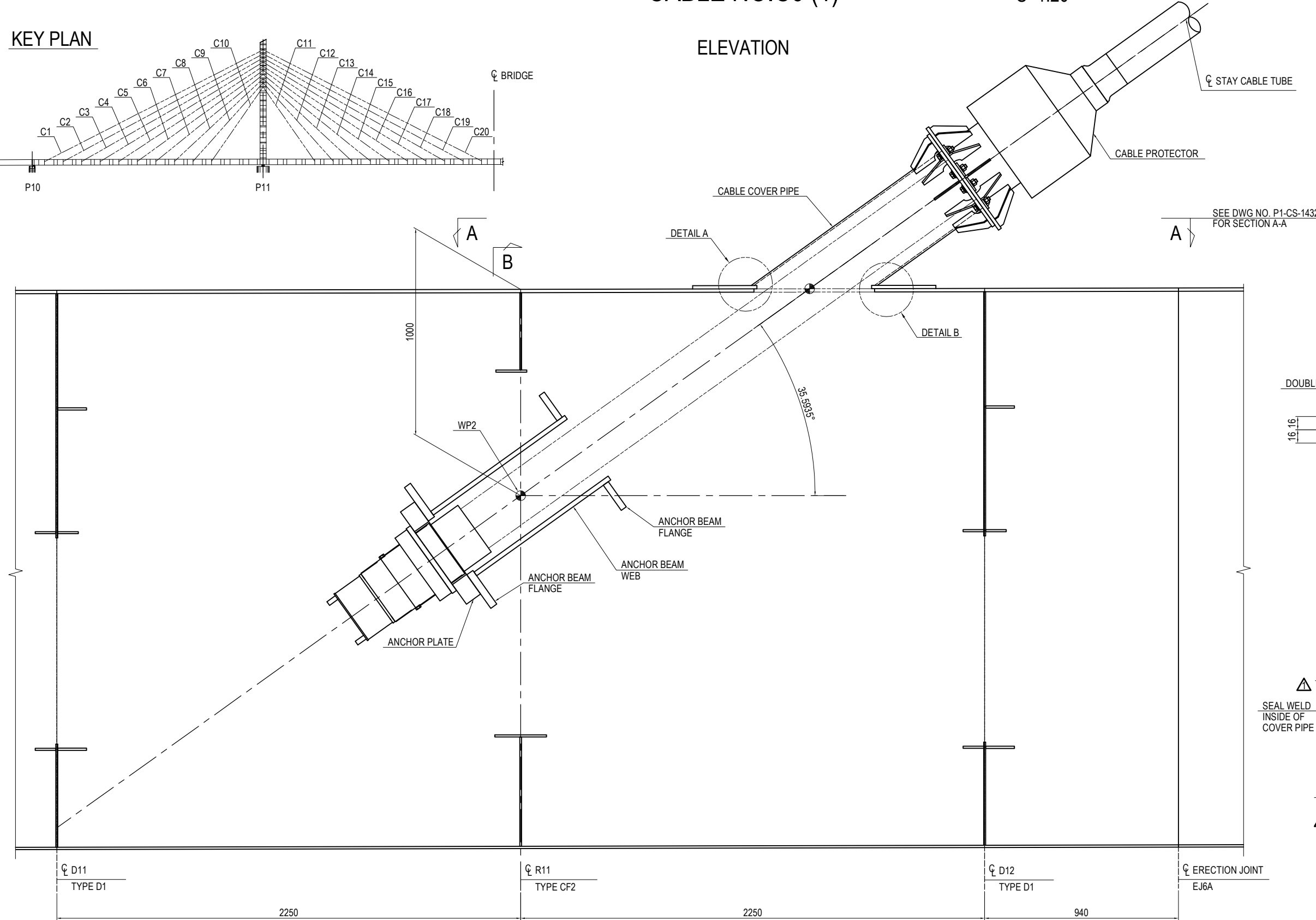
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (1)

S=1:20

KEY PLAN

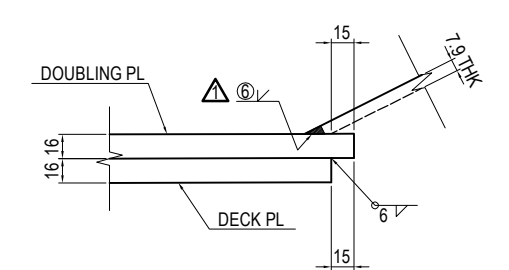


ELEVATION

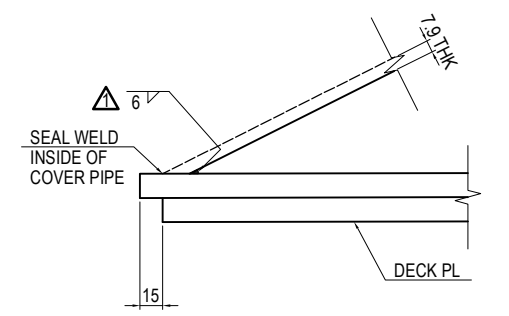


SEE DWG NO. P1-CS-1432 FOR SECTION A-A

DETAIL A S=1:5



DETAIL B S=1:5



TRANSITION SEE DWG NO. P1-CS-1432.

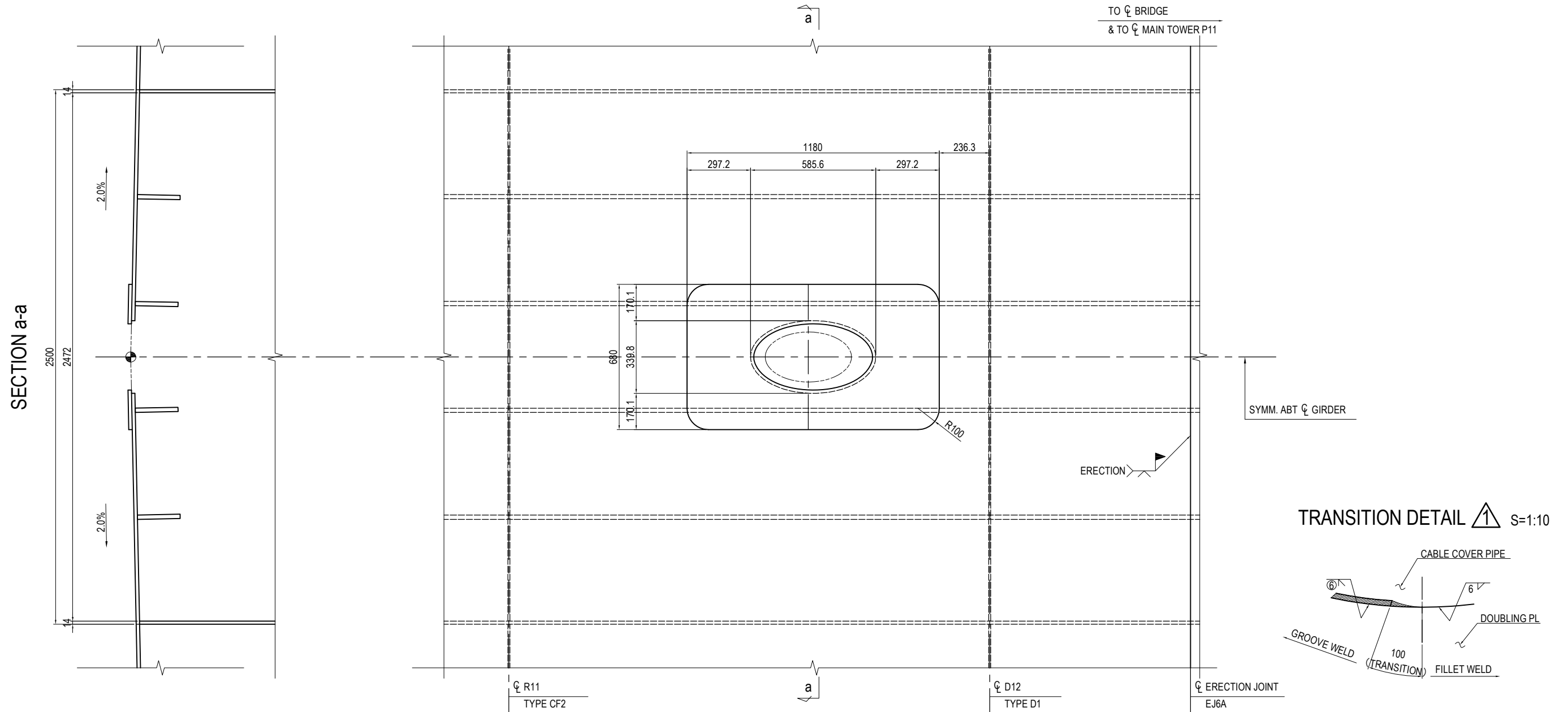
B
SEE DWG NO. P1-CS-1433 FOR CROSSFRAME SECTION B-B

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1431</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 1180
- 1-PIPE 355.6 x 7.9 x 1133 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1431.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T.TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (2)	PACKAGE 1 DWG No. P1-CS-1432
---	--	---	--	---	-------------------	---	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES

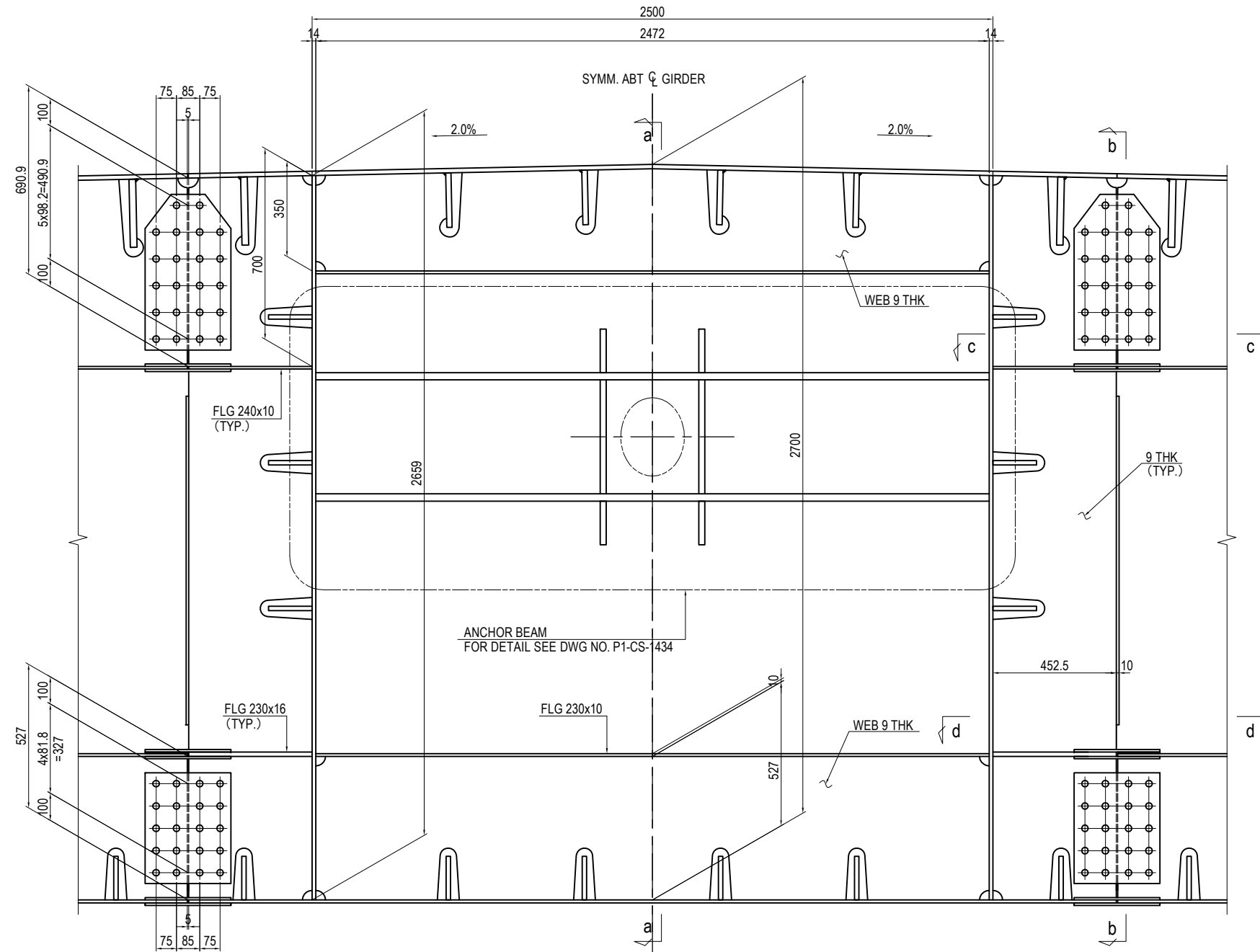
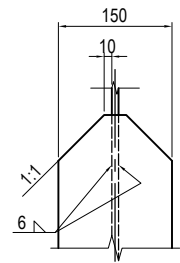
CABLE NO.C6 (3)

S=1:20

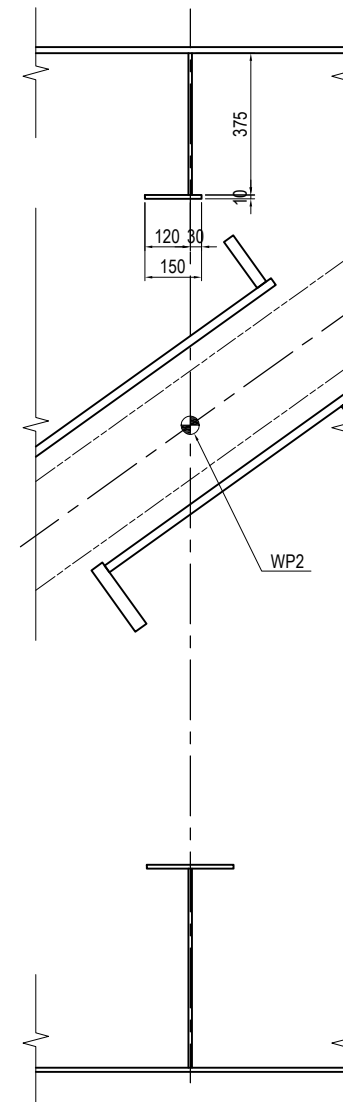
CROSSFRAME R11 SECTION B-B

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

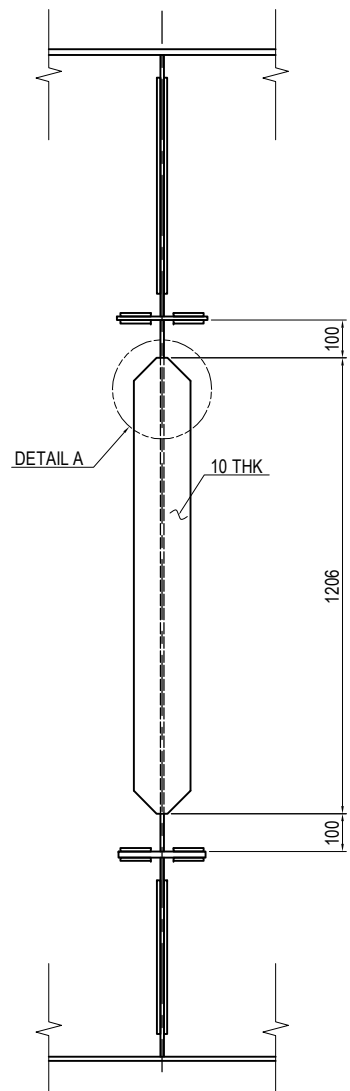
DETAIL A S=1:10



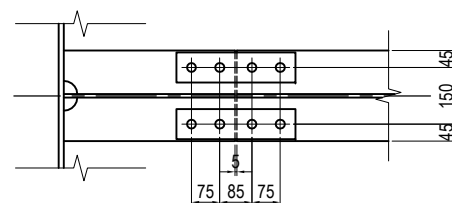
SECTION a-a



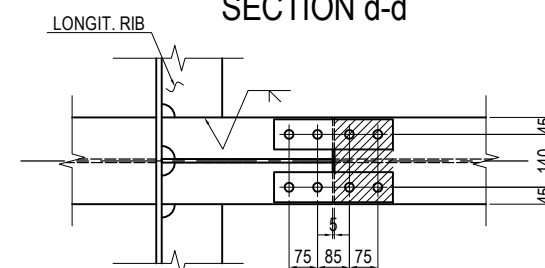
SECTION b-b



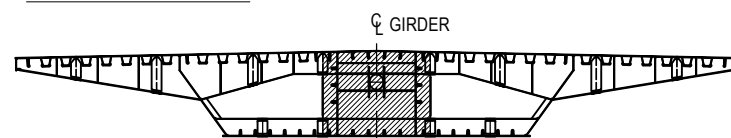
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

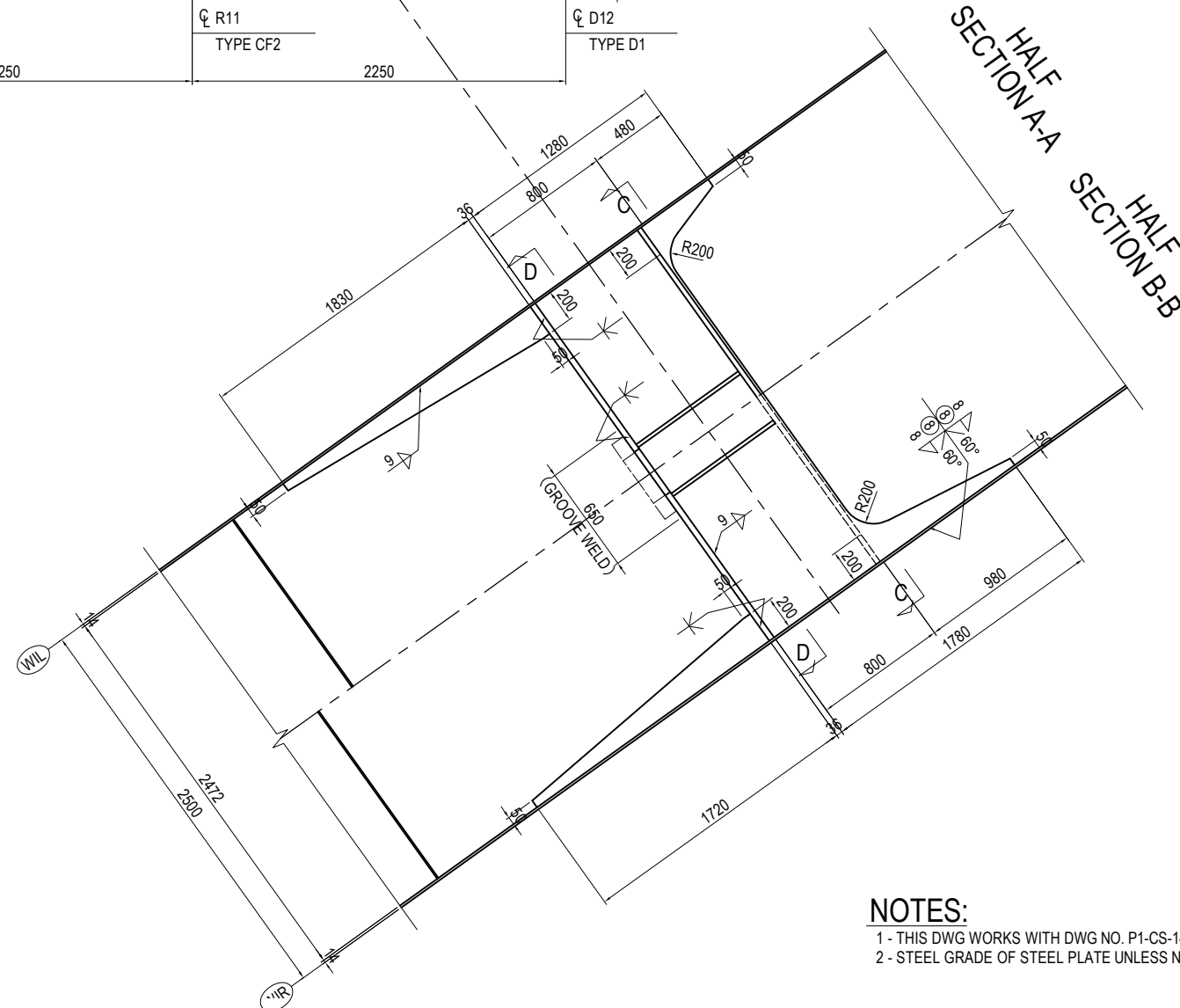
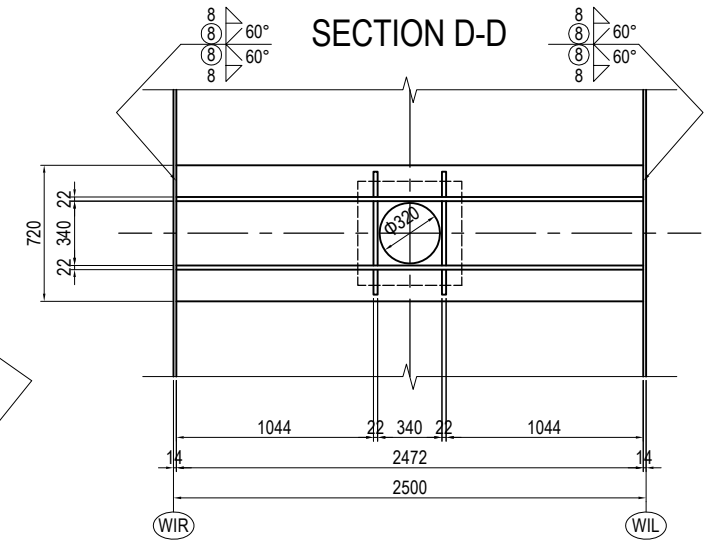
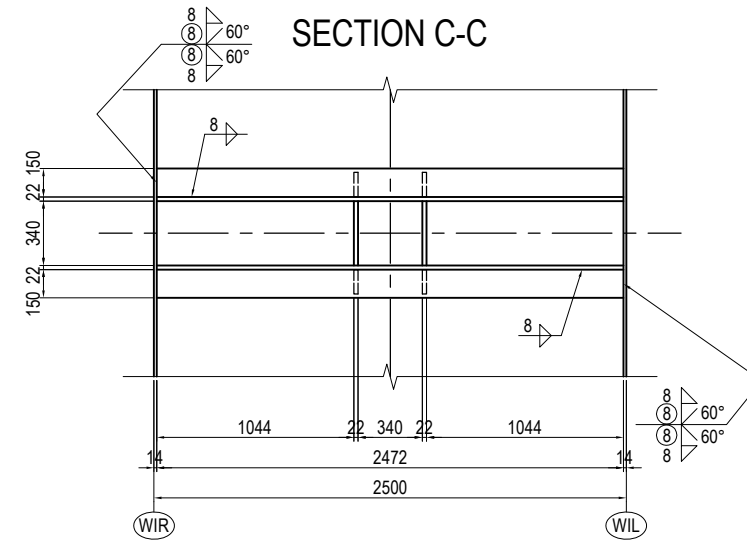
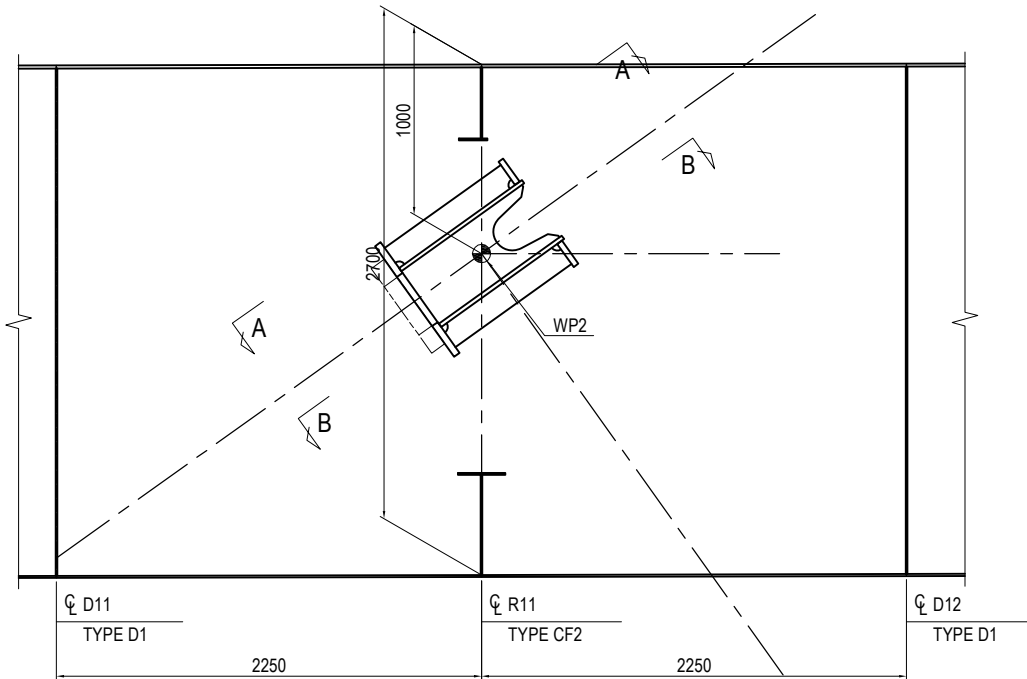
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1431.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1433

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (4)

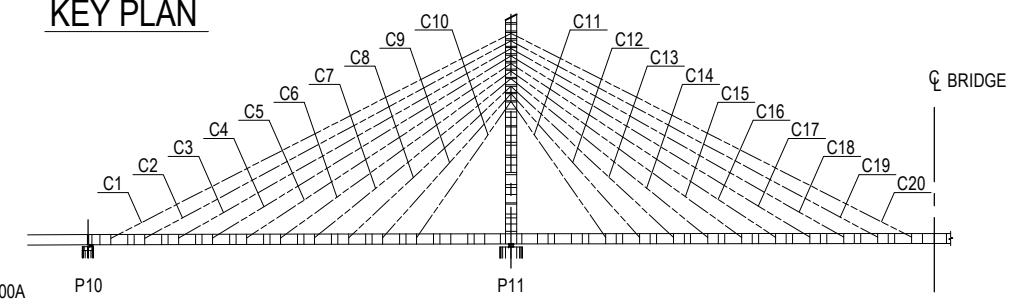
S=1:40

ANCHOR BEAM C6



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1780 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 2090(SM490YB)
- 1-WEB PL 1280 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1830(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

KEY PLAN



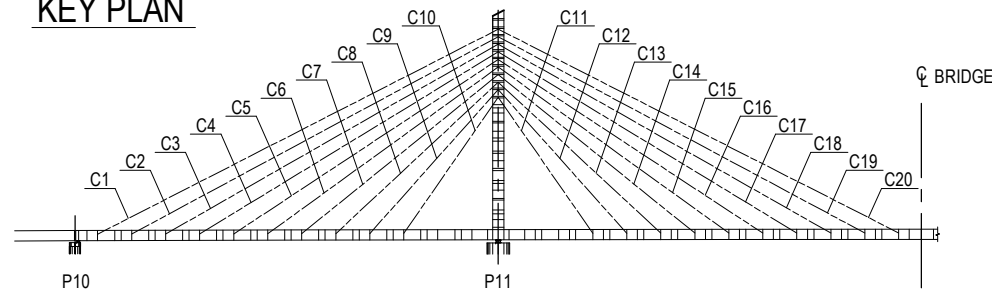
- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1433.
 - 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C6 (4)	PACKAGE 1 DWG No. P1-CS-1434
---	--	---	--	--	-------------------	---	---------------------------------------

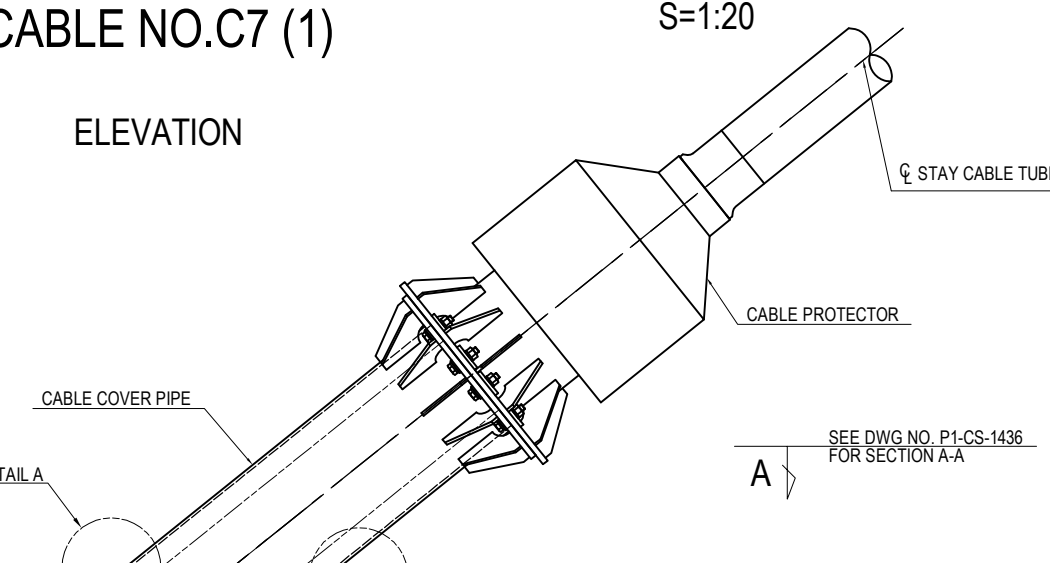
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (1)

S=1:20

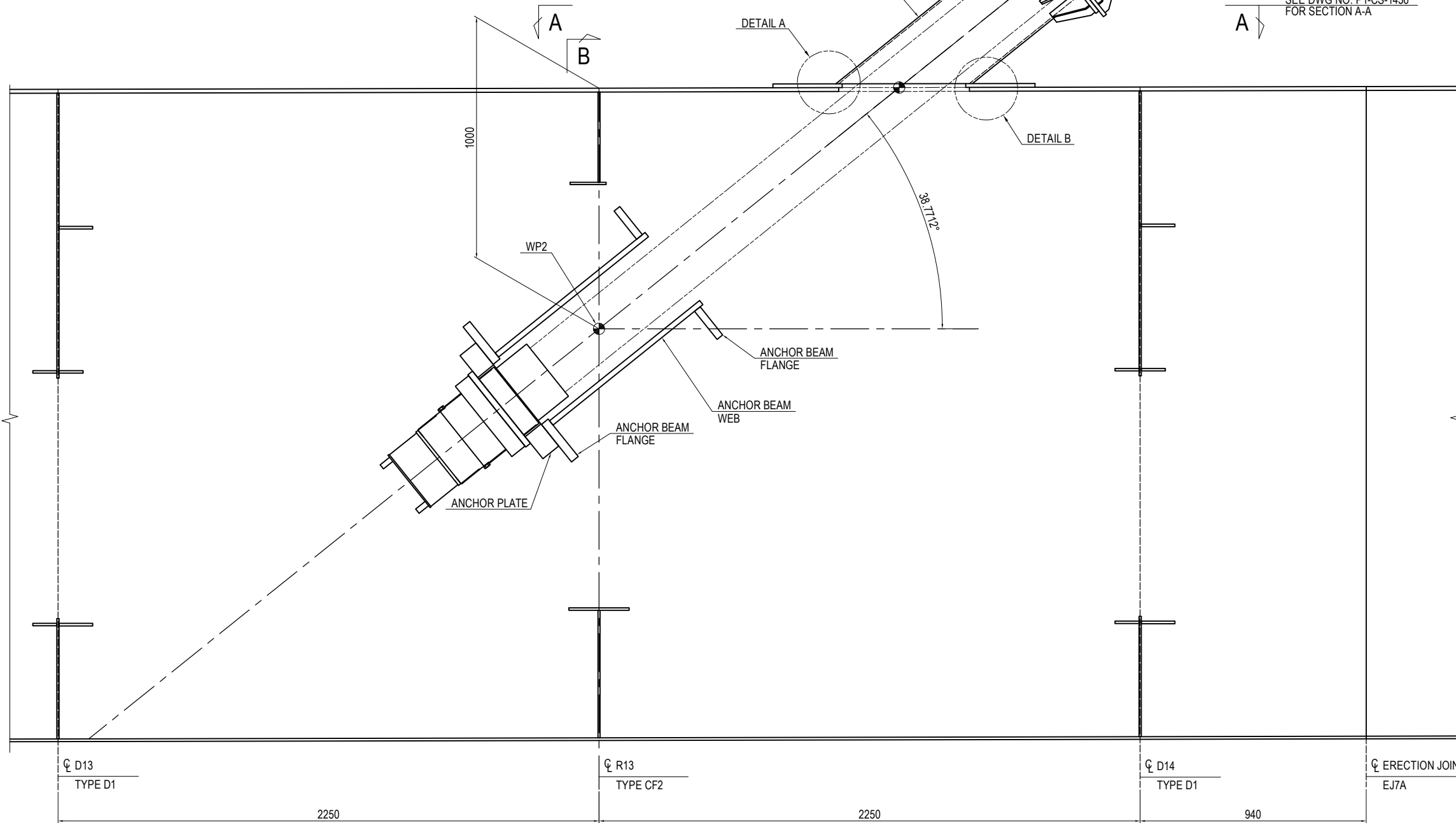
KEY PLAN



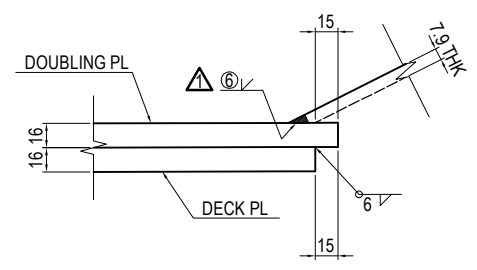
ELEVATION



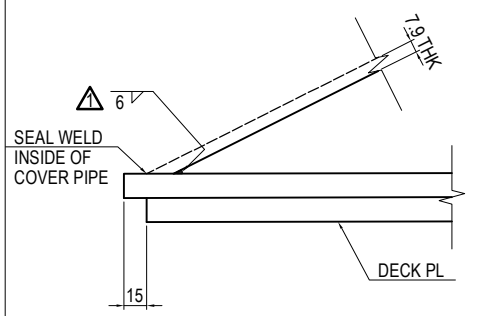
SEE DWG NO. P1-CS-1436 FOR SECTION A-A



DETAIL A S=1:5



DETAIL B S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1436.

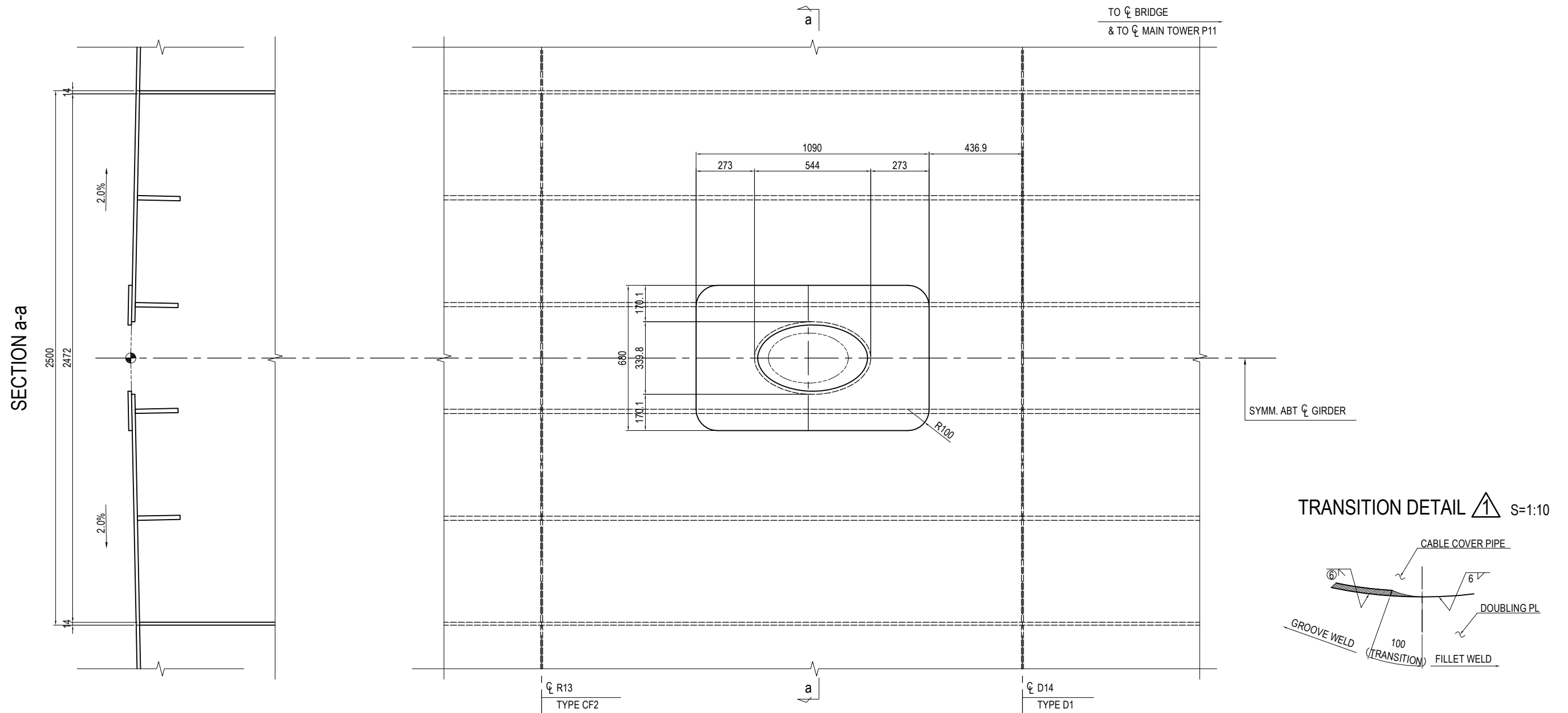
B
SEE DWG NO. P1-CS-1437 FOR CROSSFRAME SECTION B-B

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1435</p>
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

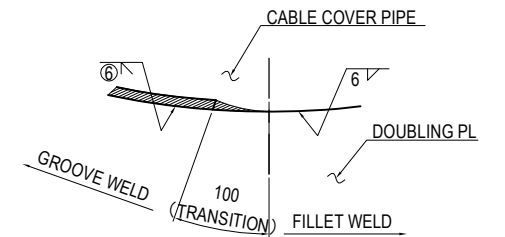
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (2)

S=1:20

SECTION A-A



TRANSITION DETAIL \triangle S=1:10



- 1-PL 680 x 16 x 1090
- 1-PIPE 355.6 x 7.9 x 1043 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1435.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1436
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

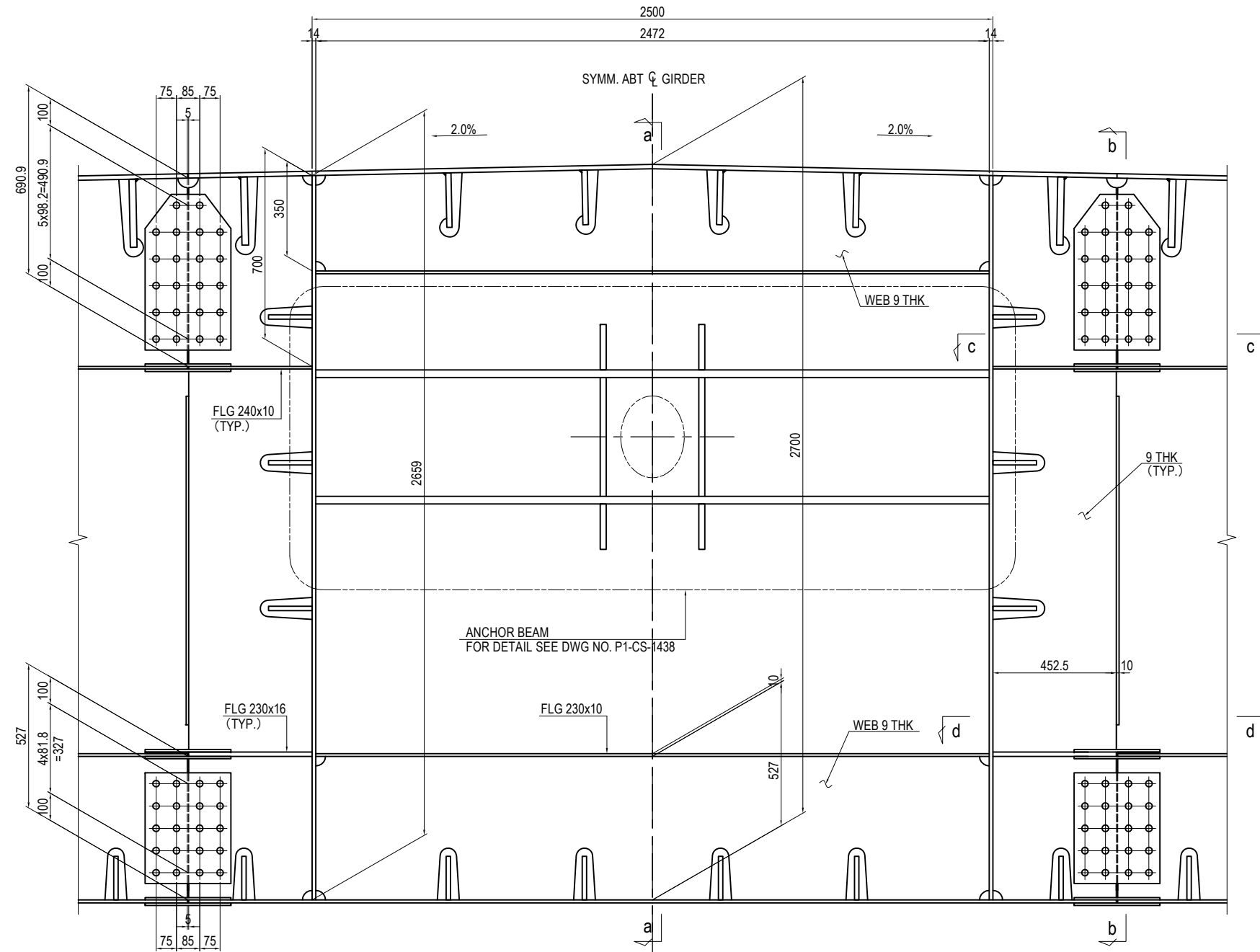
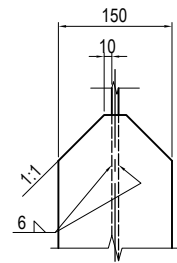
CABLE NO.C7 (3)

S=1:20

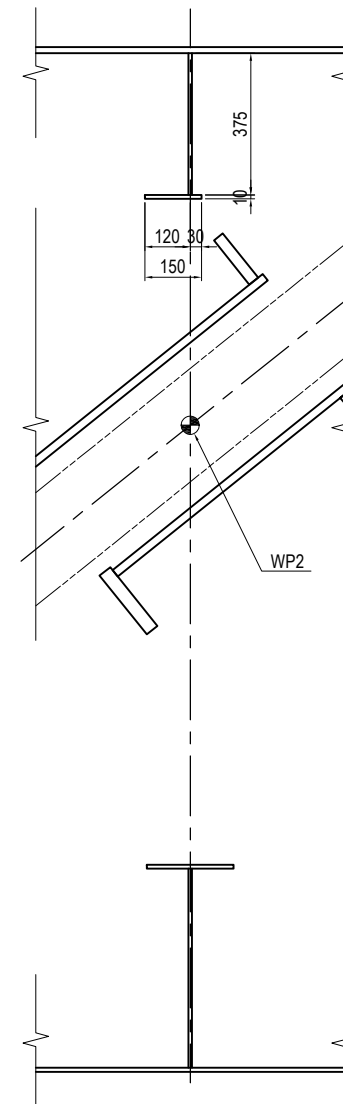
CROSSFRAME R13 SECTION B-B

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

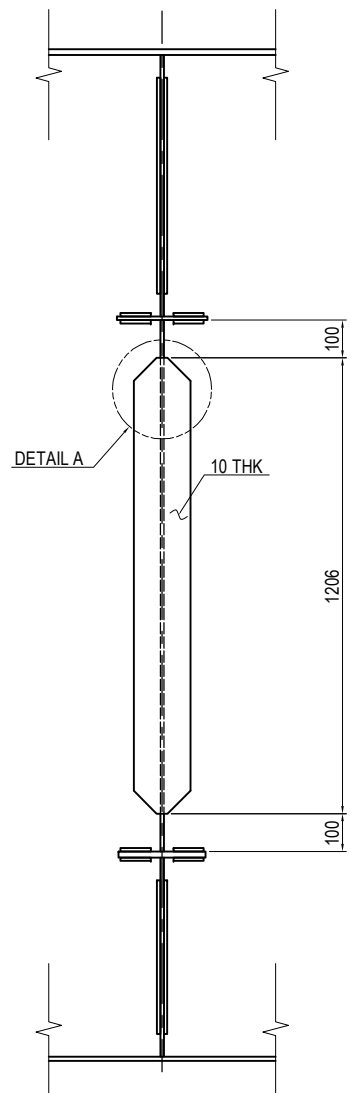
DETAIL A S=1:10



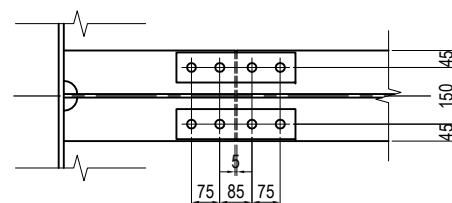
SECTION a-a



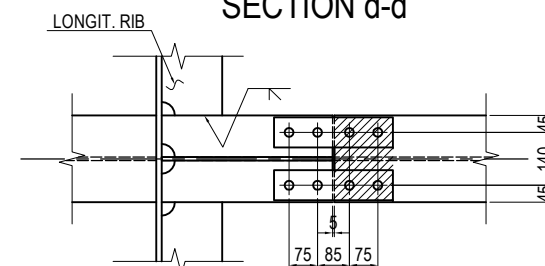
SECTION b-b



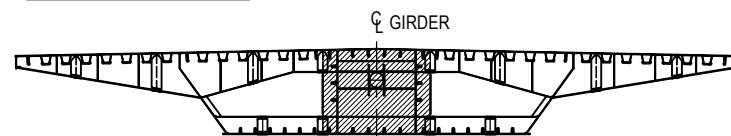
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

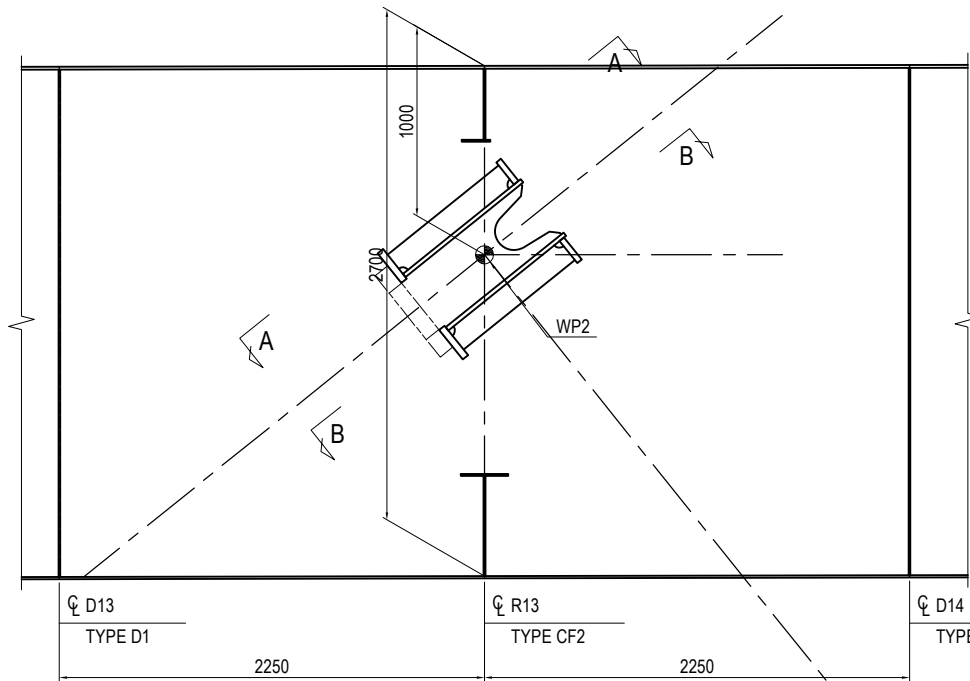
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1435.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1437

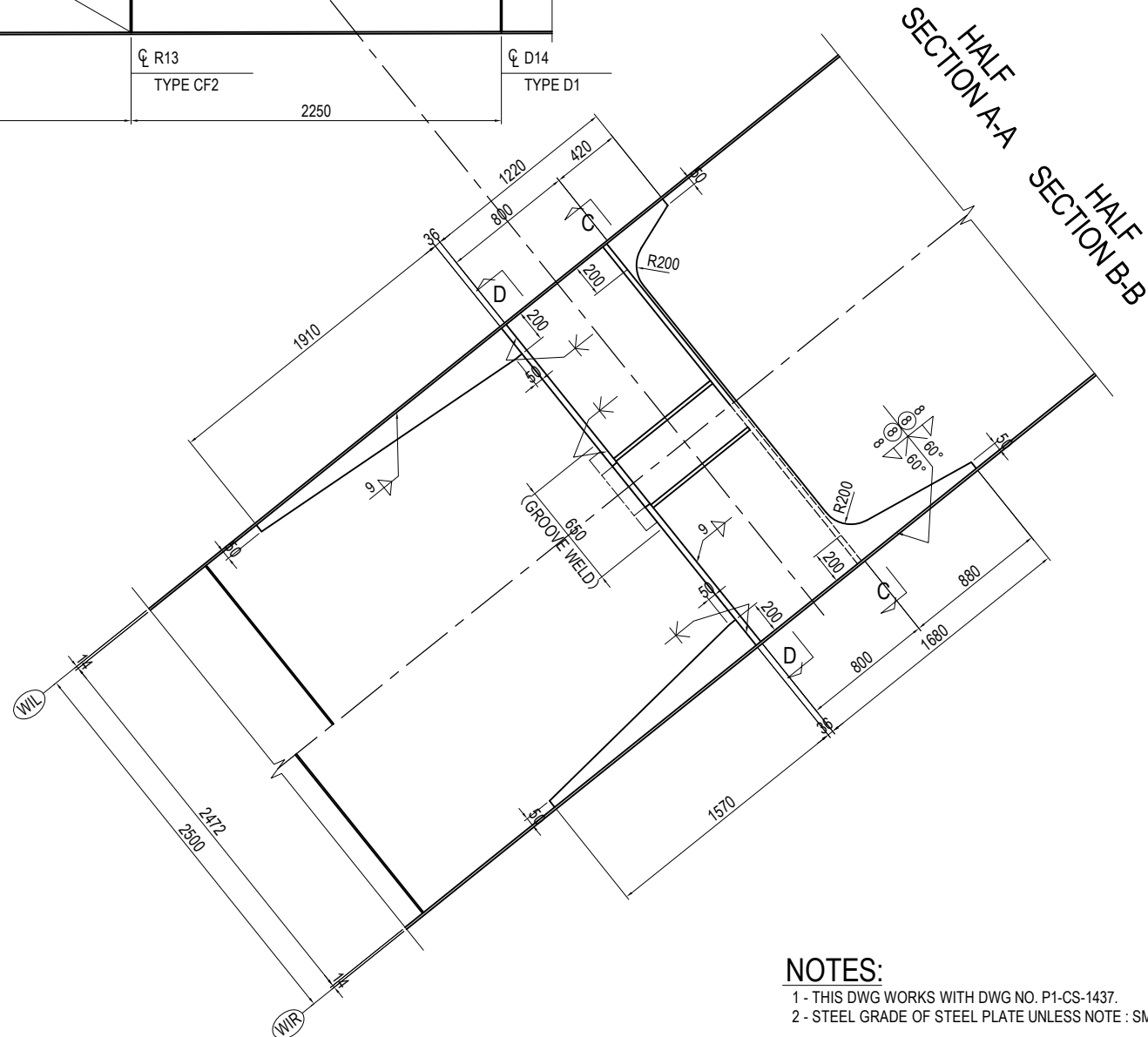
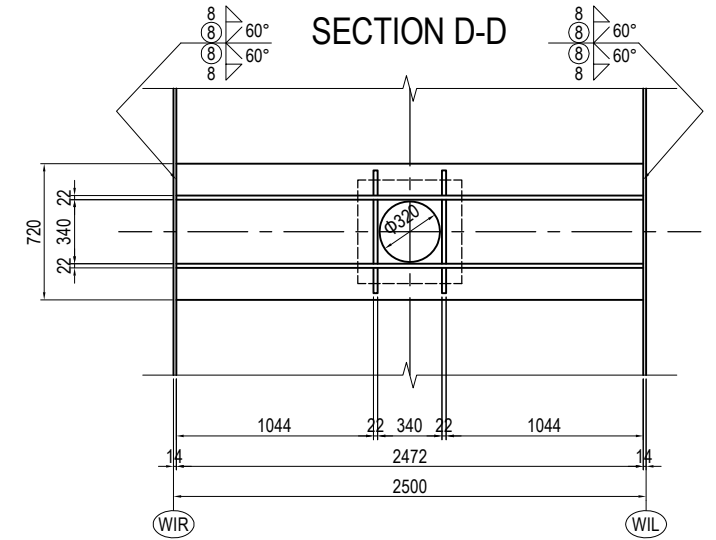
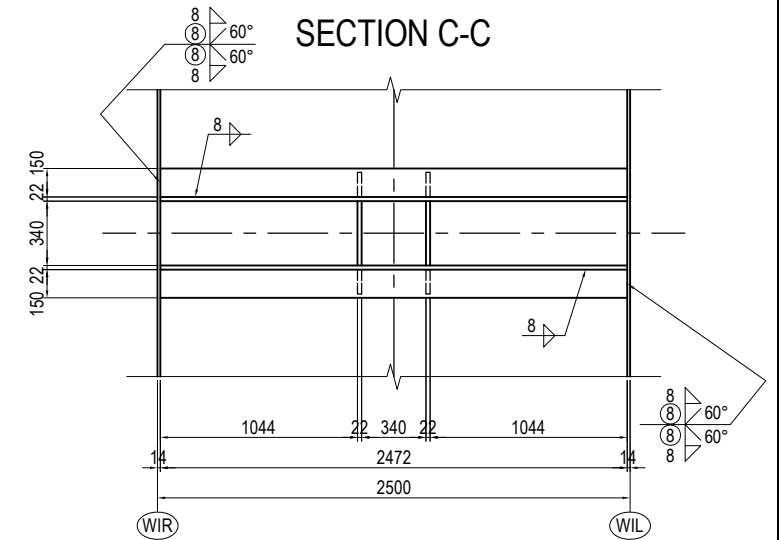
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (4)

S=1:40

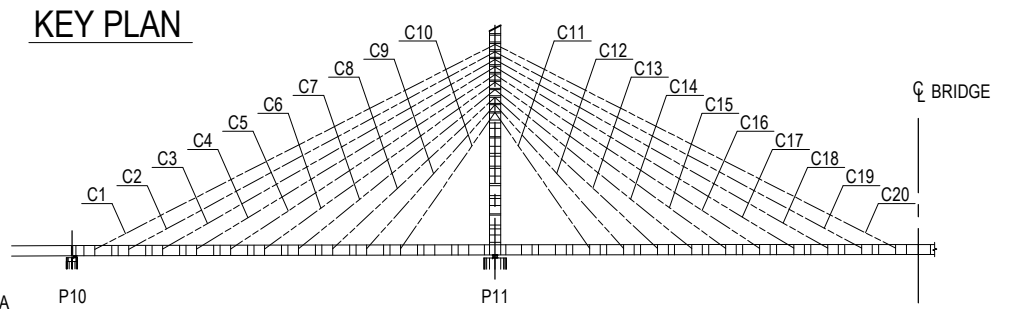
ANCHOR BEAM C7



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1680 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1570(SM490YB)
- 1-WEB PL 1220 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1910(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)



- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1437.
 - 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

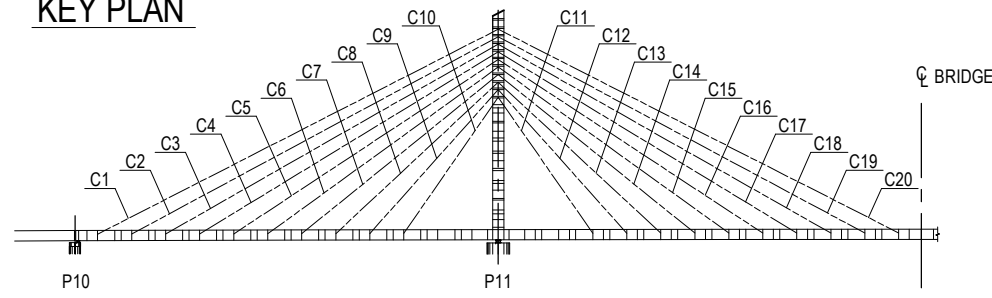


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C7 (4)	PACKAGE 1 DWG No. P1-CS-1438
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

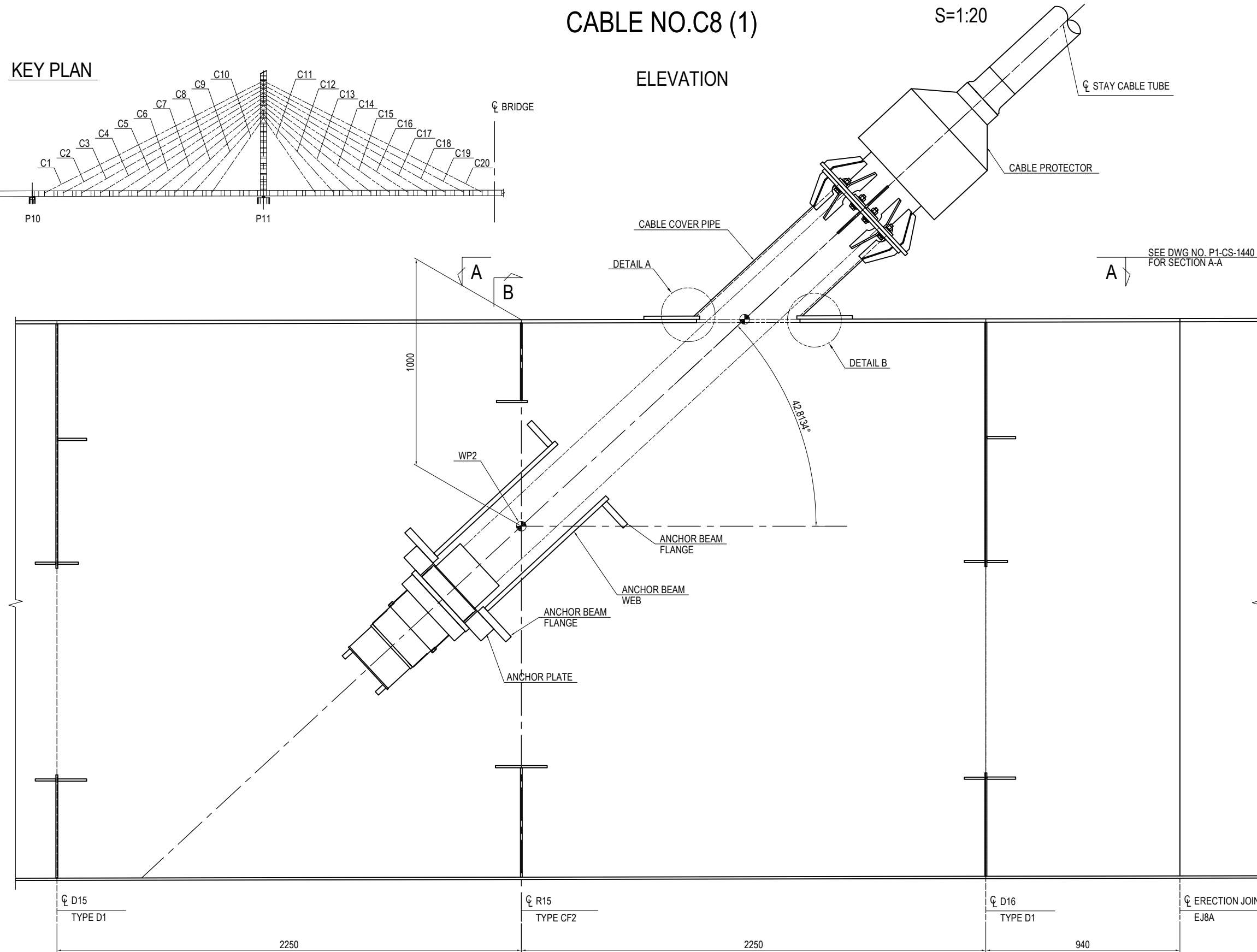
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (1)

S=1:20

KEY PLAN

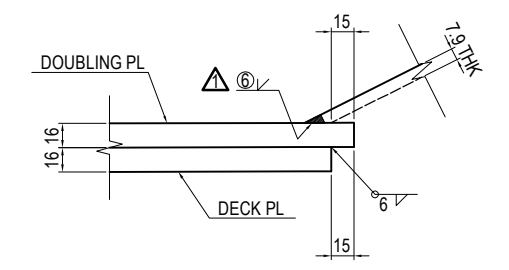


ELEVATION

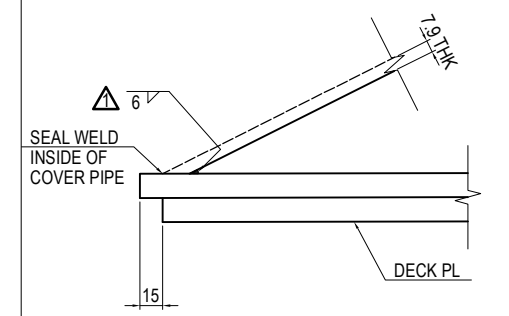


SEE DWG NO. P1-CS-1440
FOR SECTION A-A

DETAIL A S=1:5



DETAIL B S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1440.

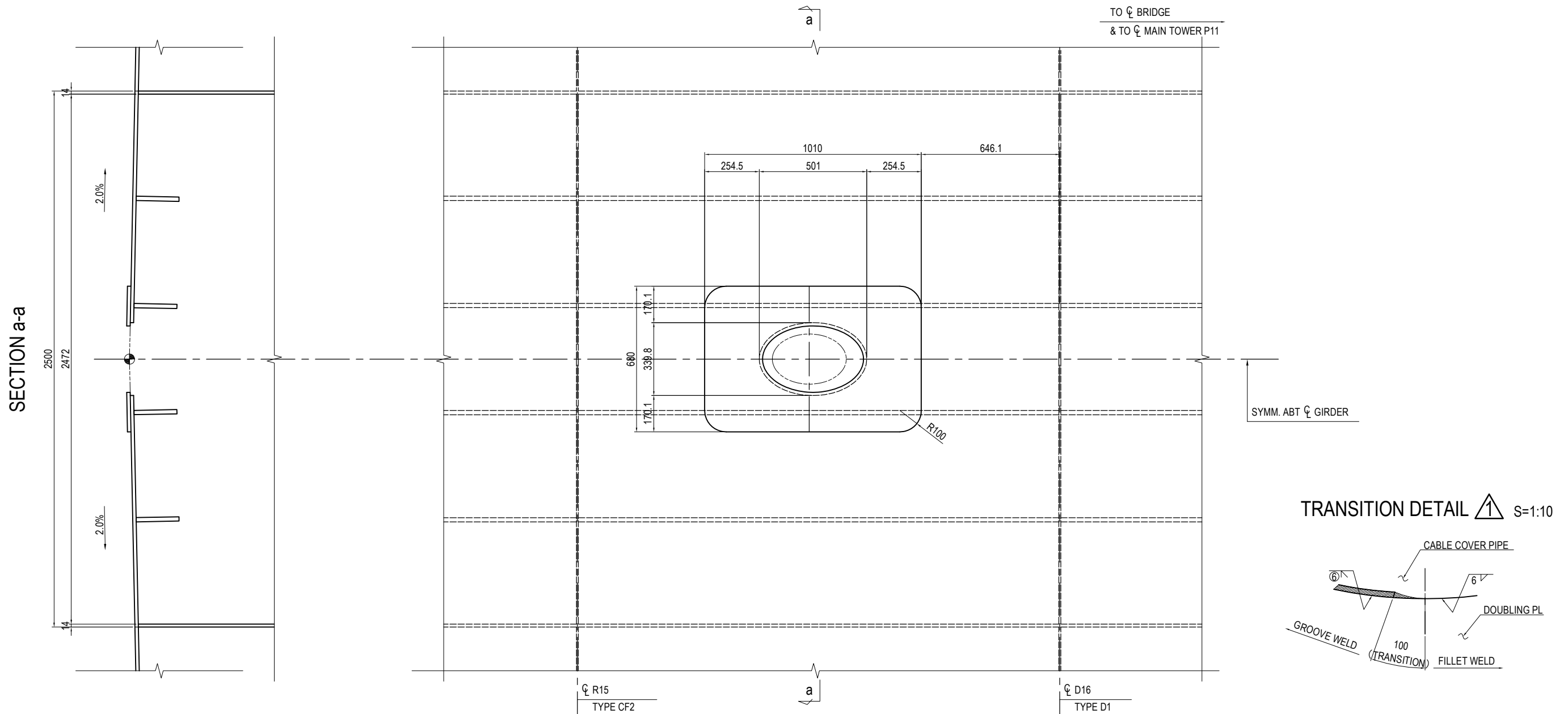
B
SEE DWG NO. P1-CS-1441
FOR CROSSFRAME SECTION B-B

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1439</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 1010
- 1-PIPE 355.6 x 7.9 x 949 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1439.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME T.TOMODA T. HAYAKAWA Y. SANO	SIGNATURE _____ _____ _____	DATE _____ _____ _____	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (2)	PACKAGE 1 DWG No. P1-CS-1440
---	--	---	---	--	--------------------------------------	---------------------------------	--	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES

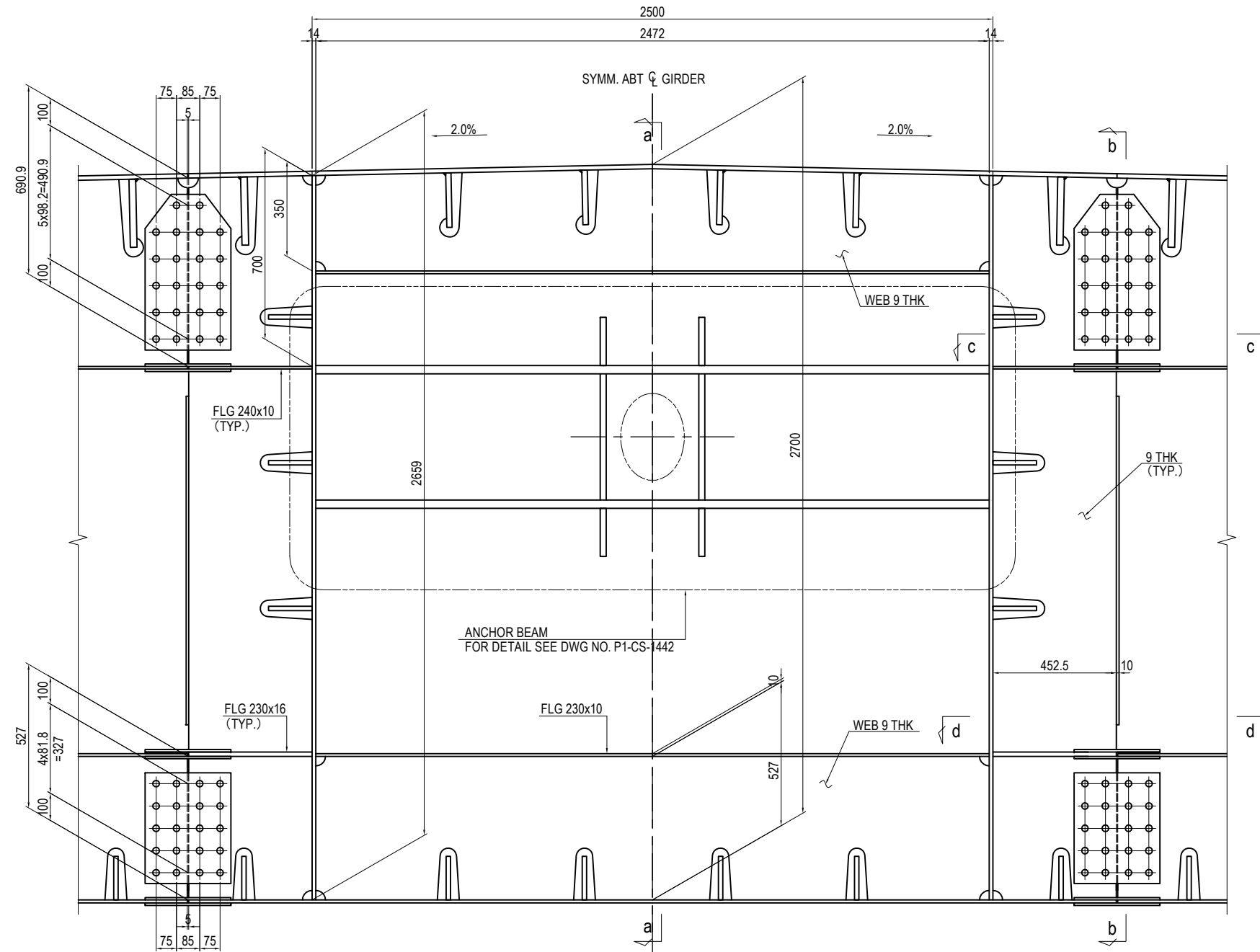
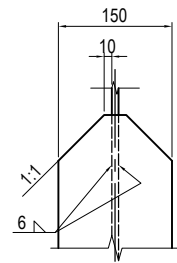
CABLE NO.C8 (3)

S=1:20

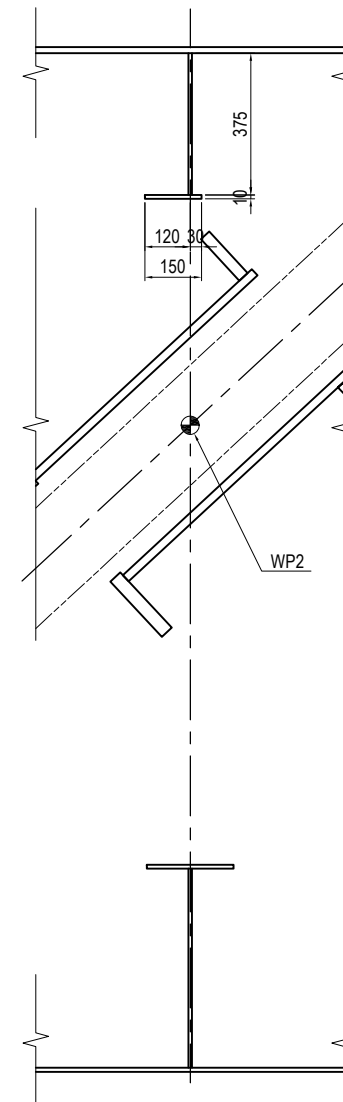
CROSSFRAME R15 SECTION B-B

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

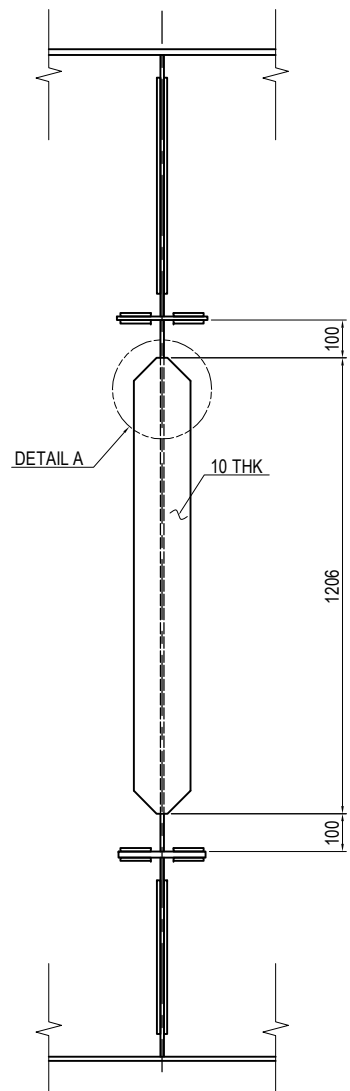
DETAIL A S=1:10



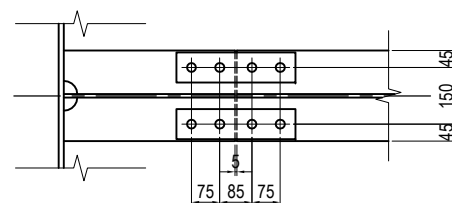
SECTION a-a



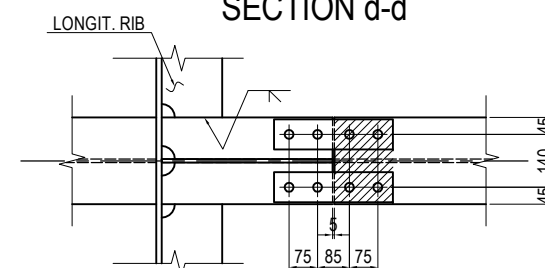
SECTION b-b



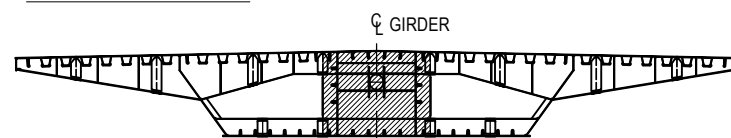
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

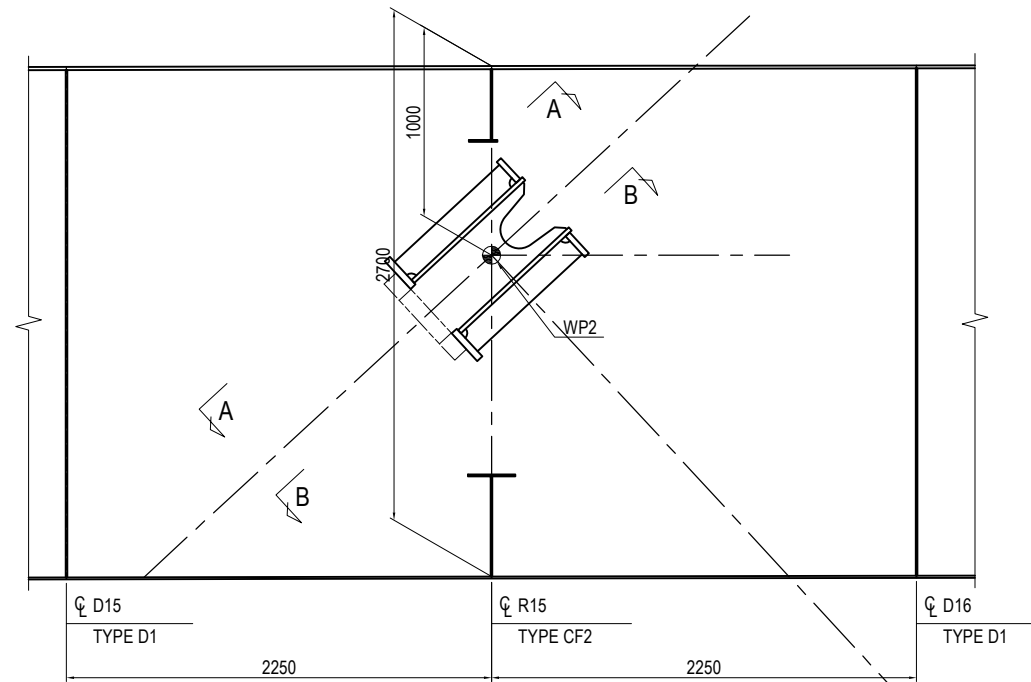
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1439.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1441

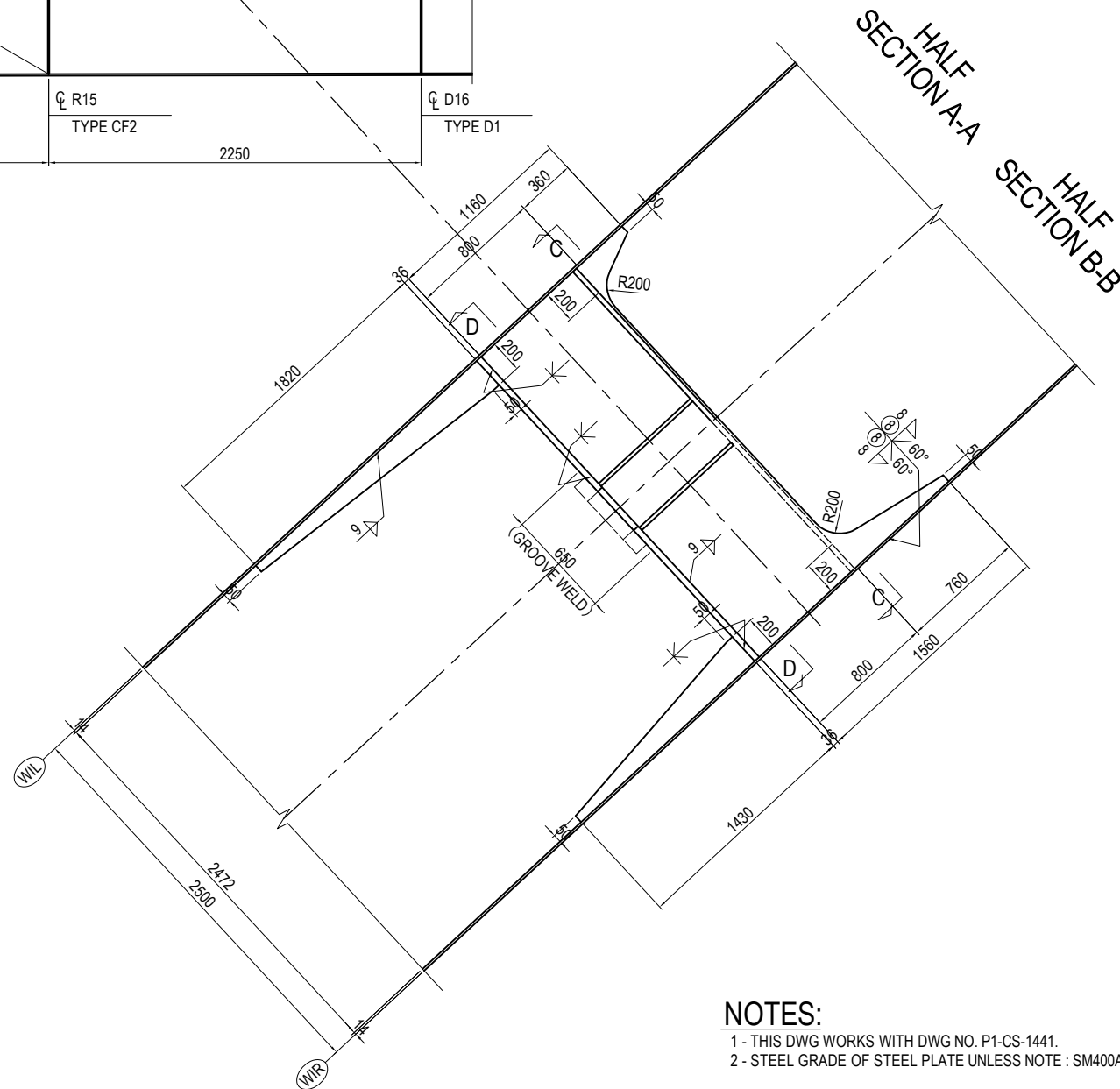
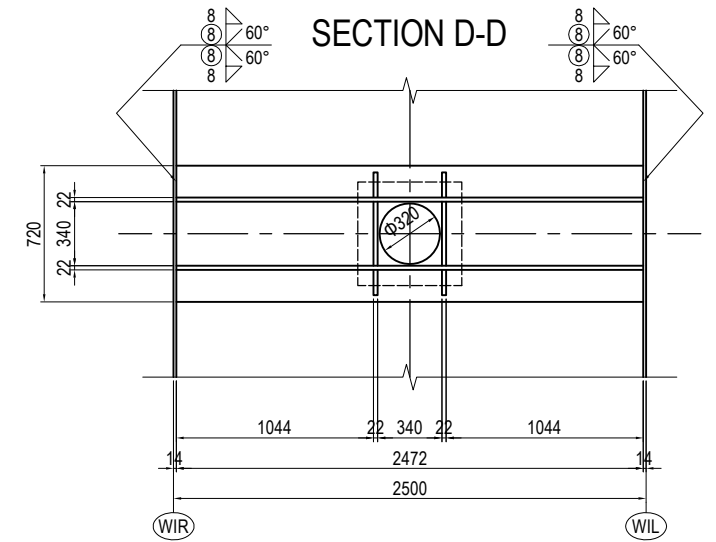
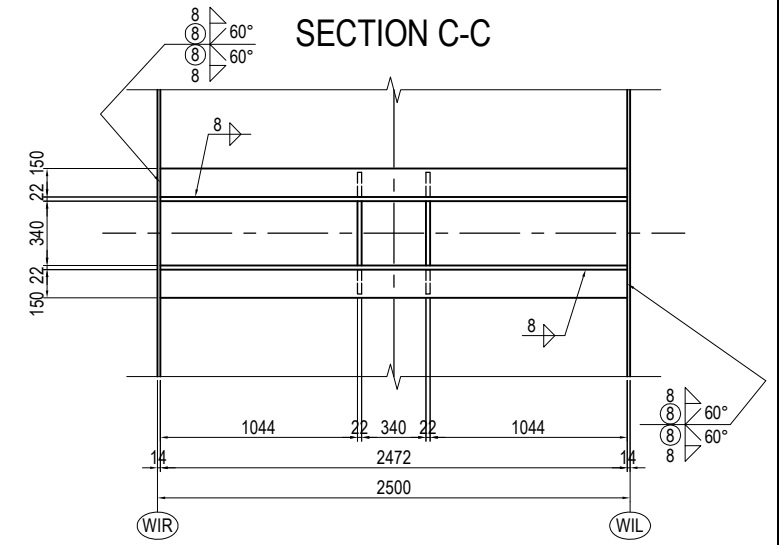
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (4)

S=1:40

ANCHOR BEAM C8



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1560 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1430(SM490YB)
- 1-WEB PL 1160 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1820(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)



NOTES:

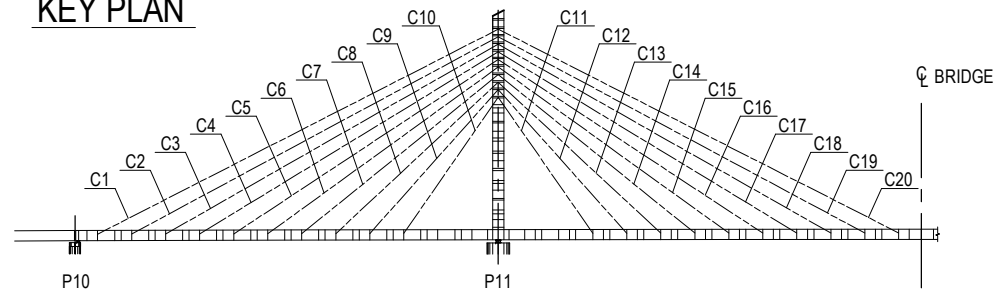
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1441.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (4) </td> </tr> </tbody> </table>	DRAWING TITLE	MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (4)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1442</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1442
NAME	SIGNATURE	DATE																						
PREPARED BY	T.TOMODA																							
CHECKED BY	T. HAYAKAWA																							
APPROVED BY	Y. SANO																							
DRAWING TITLE																								
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C8 (4)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1442																								

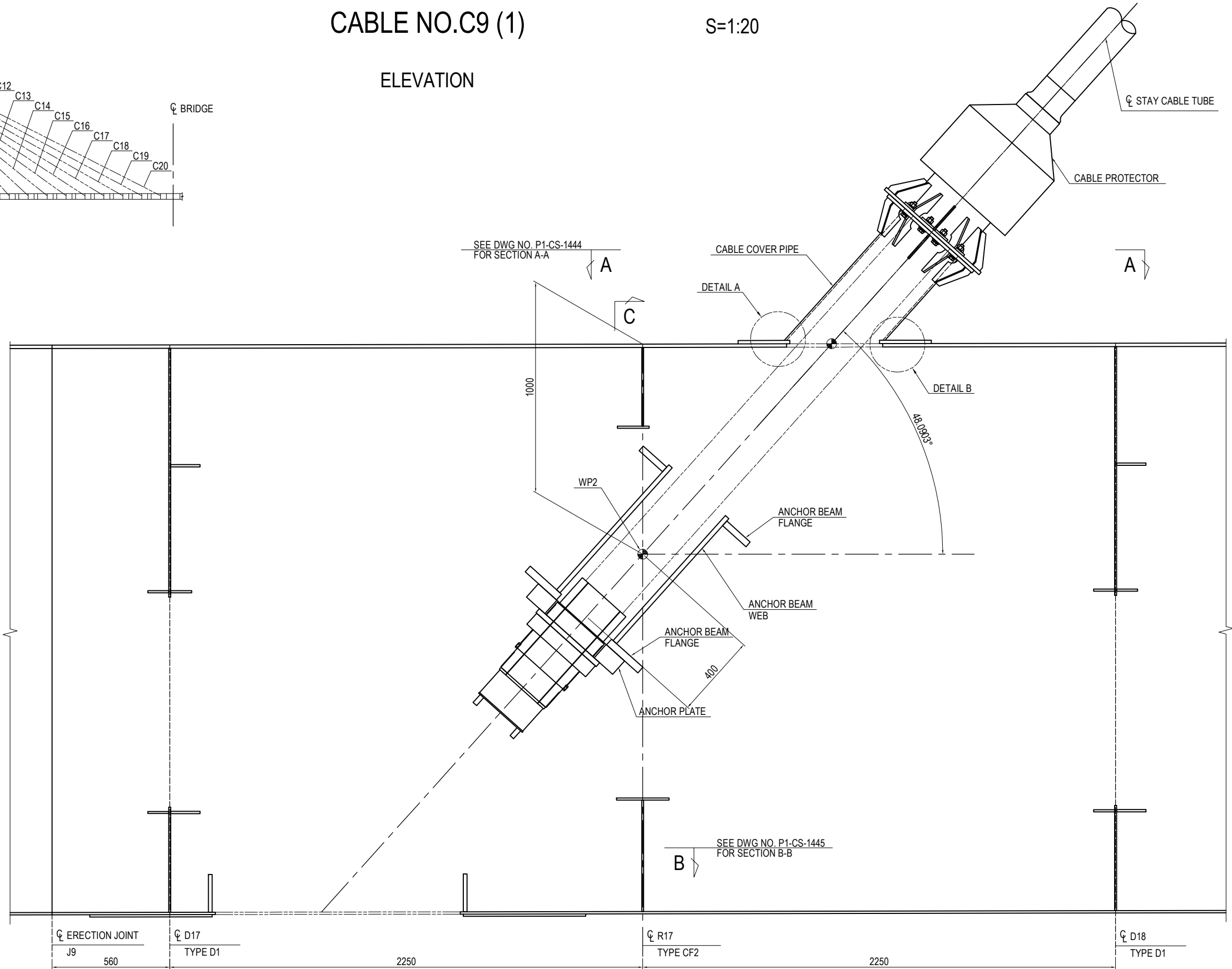
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (1)

S=1:20

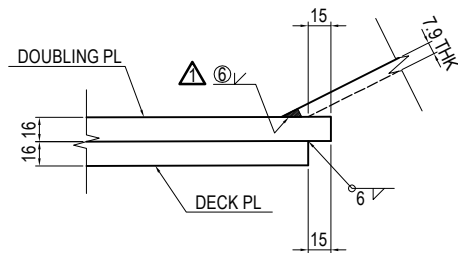
KEY PLAN



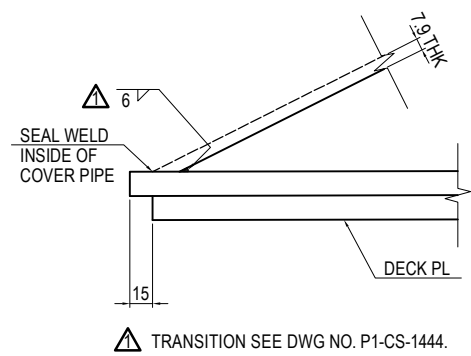
ELEVATION



DETAIL A S=1:5



DETAIL B S=1:5



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T.TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

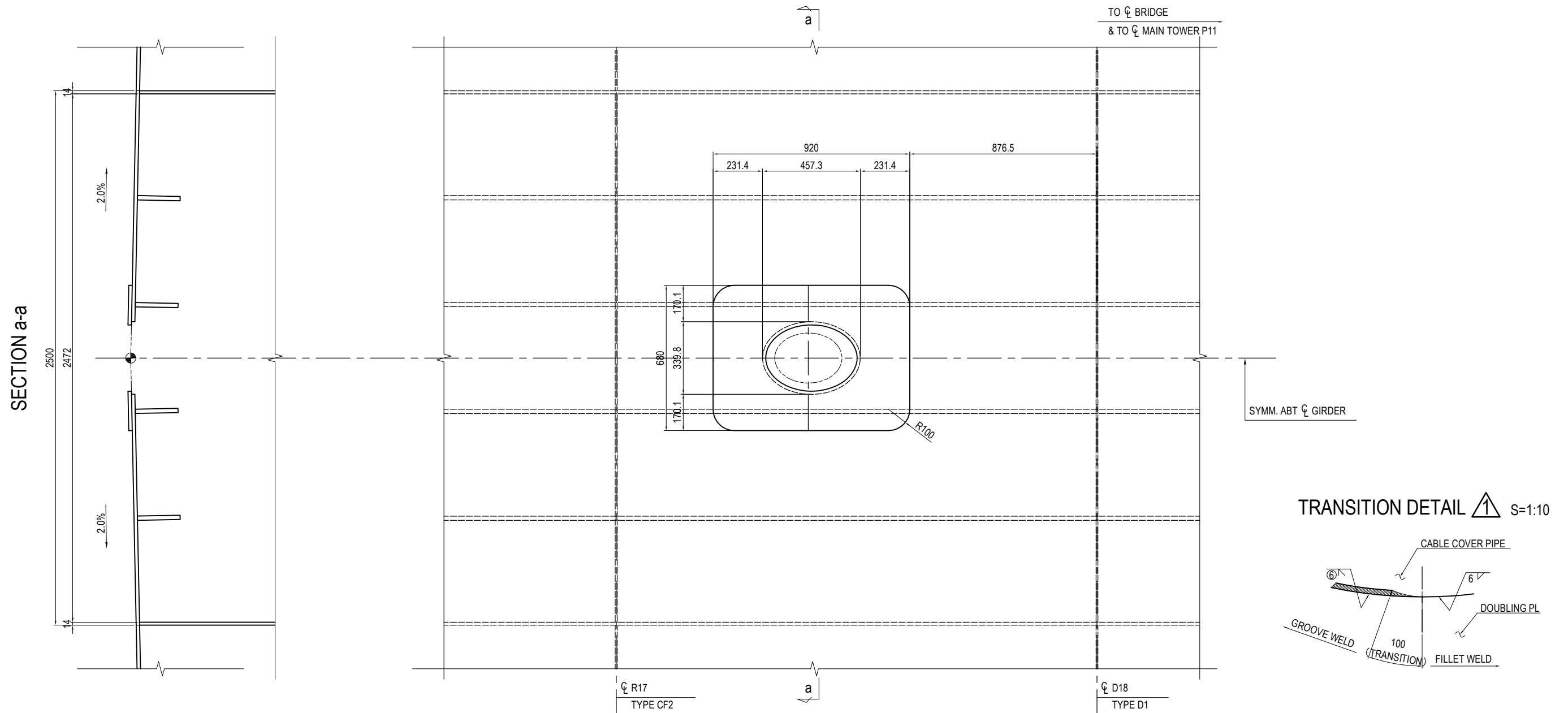
DRAWING TITLE
**MAIN GIRDER ANCHORAGE OF STAY CABLES
CABLE NO.C9 (1)**

PACKAGE
1
DWG No.
P1-CS-1443

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 920
- 1-PIPE 355.6 x 7.9 x 851 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1443.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (2)	PACKAGE 1 DWG No. P1-CS-1444
---	--	---	--	--	-----------------------	------------------	---	---------------------------------------

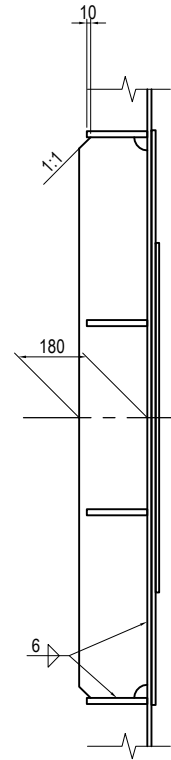
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (3)

S=1:20

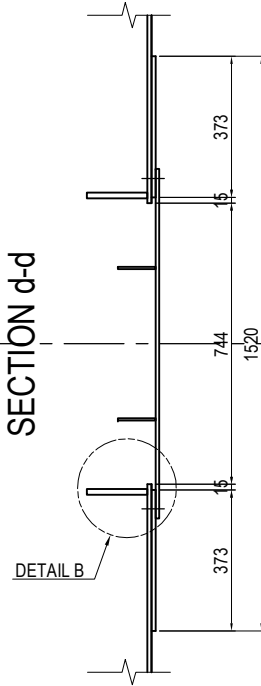
- 2-RIB PL 180 x 18 x 1484 (SM490YB)
- 1-PL 1520 x 11 x 2360 (SM490YA)
- 1-PL 924 x 9 x 1345
- 2-FB 100 x 6 x 1065 (SS400)
- 3-PL 75 x 22 x 75
- 12-BN M16 x 50 (SUS304)
- 2-RB ϕ 16 x 600 (SS400)

SECTION B-B

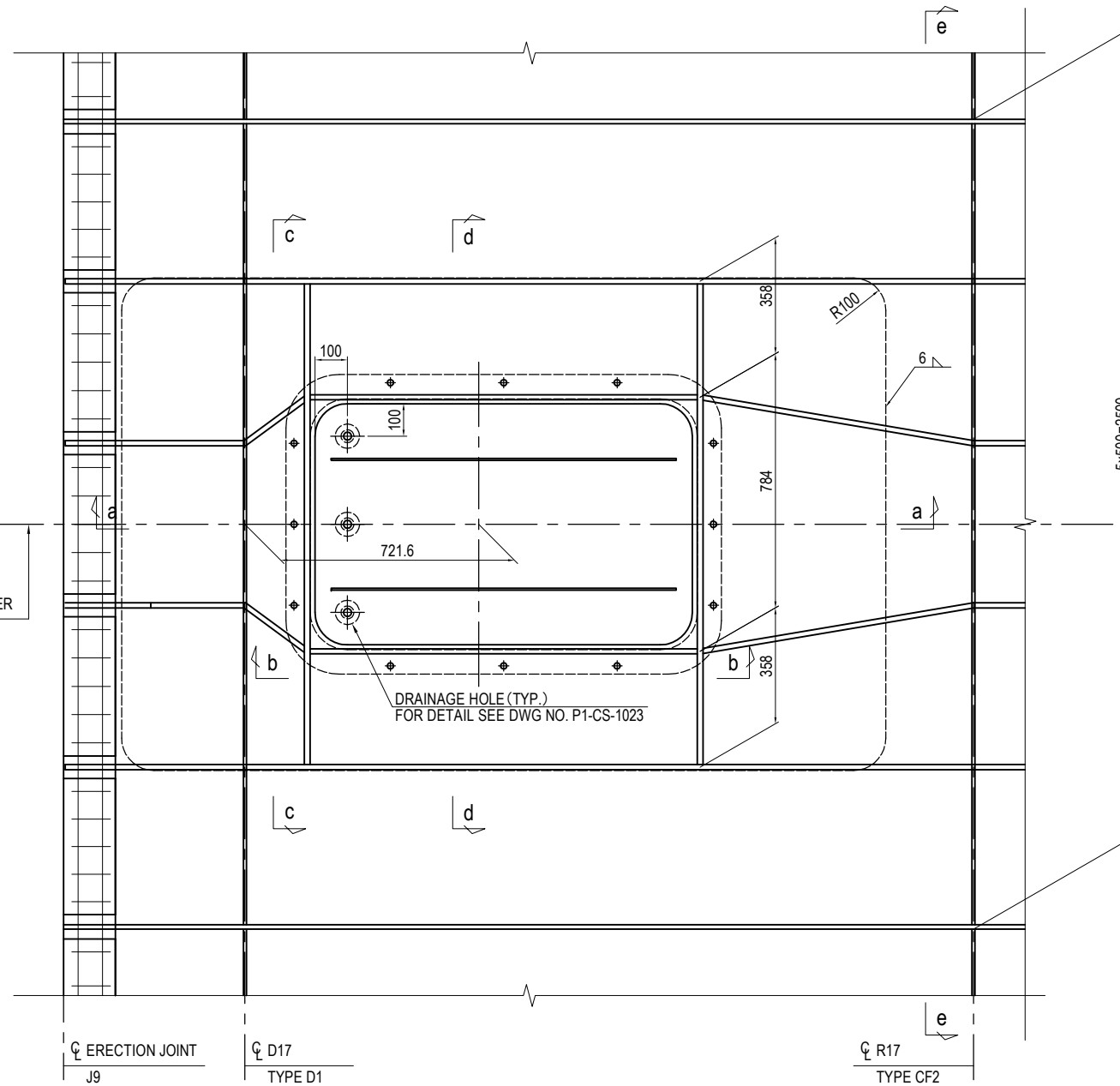
SECTION c-c



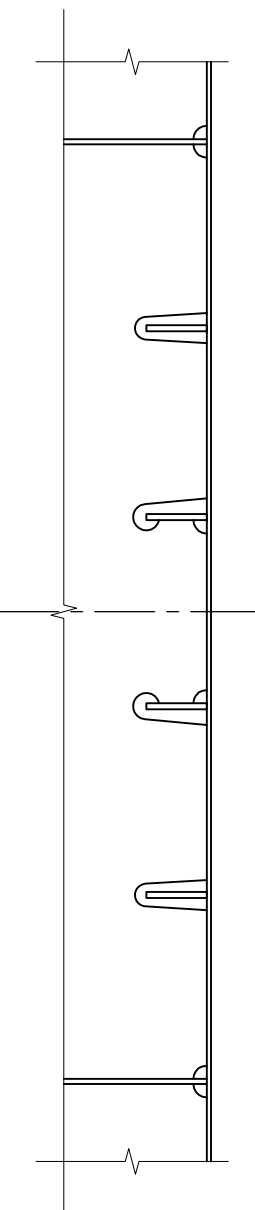
SECTION d-d



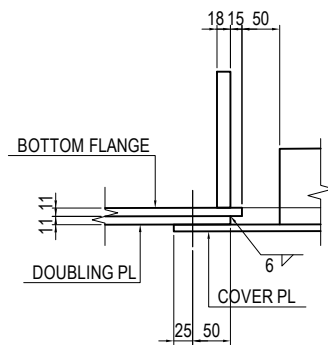
SYMM. ABT ϕ GIRDER



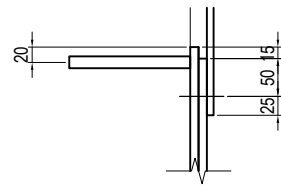
SECTION e-e



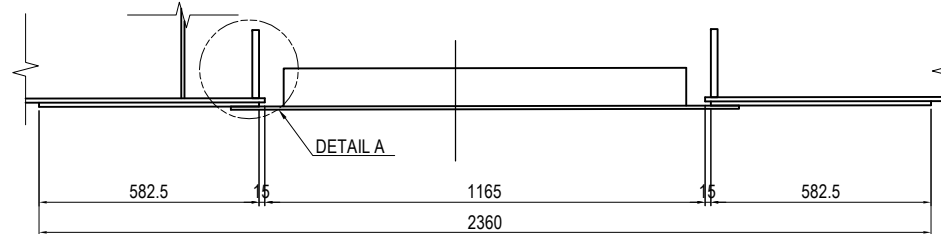
DETAIL A S=1:10



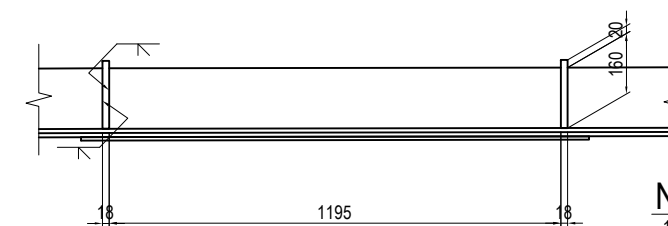
DETAIL B S=1:10



SECTION a-a



DEV. SECTION b-b



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1443.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (3)	PACKAGE 1 DWG No. P1-CS-1445
---	--	---	--	---	-----------	------	--	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES

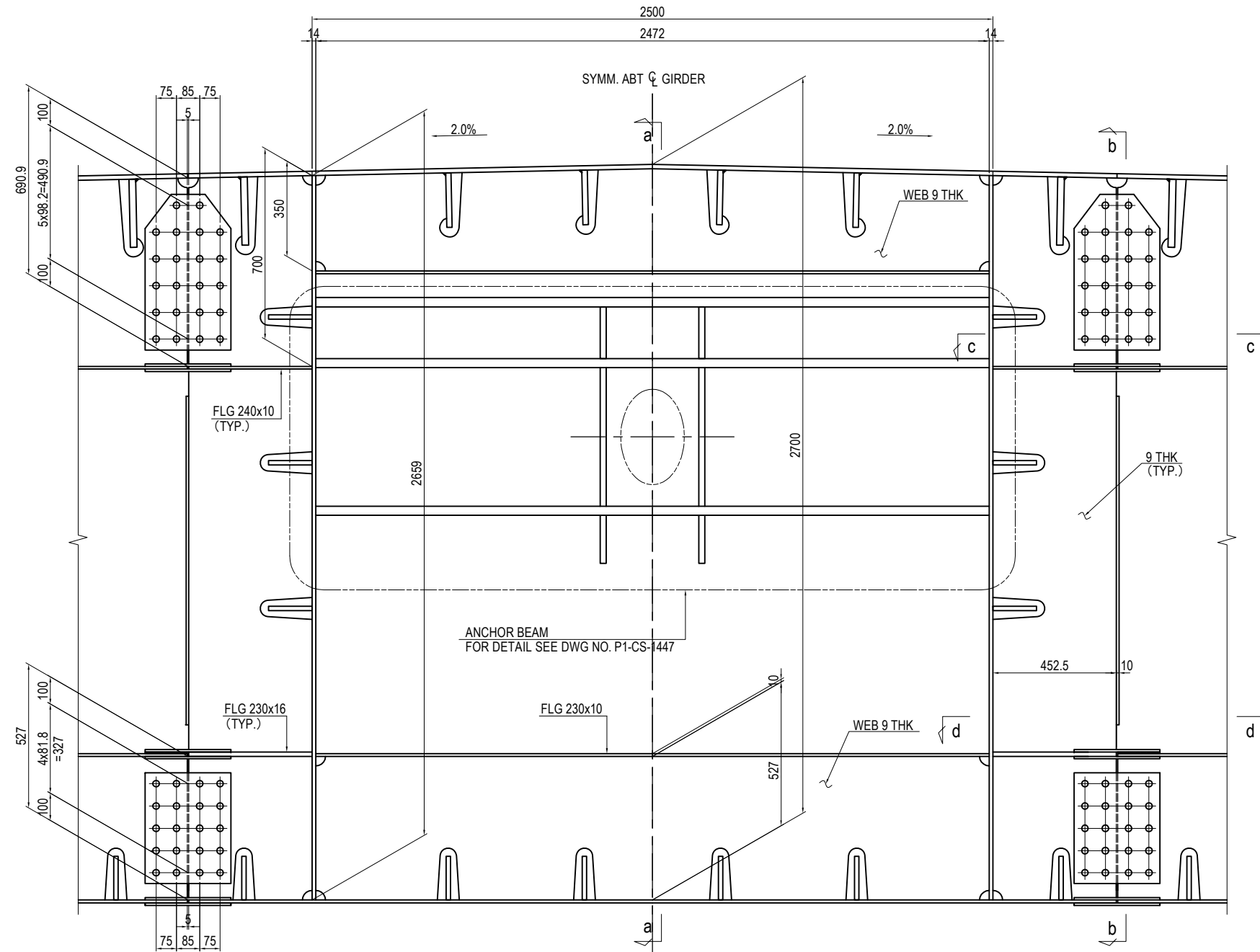
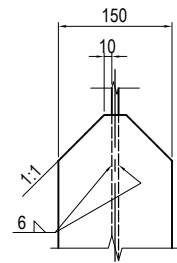
CABLE NO.C9 (4)

S=1:20

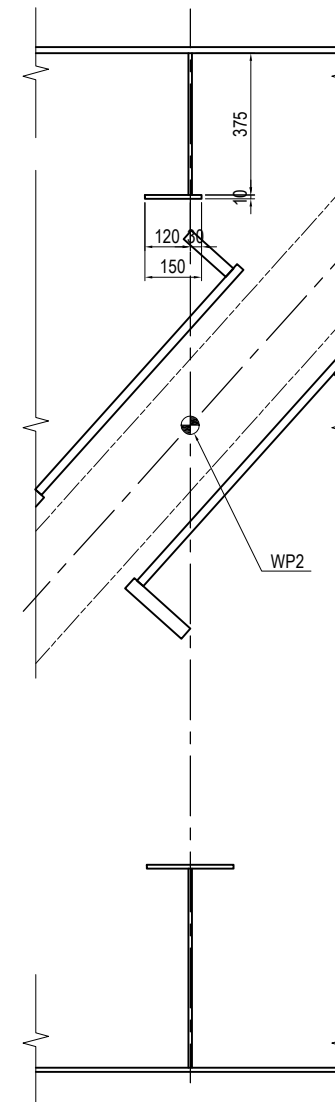
CROSSFRAME R17 SECTION C-C

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

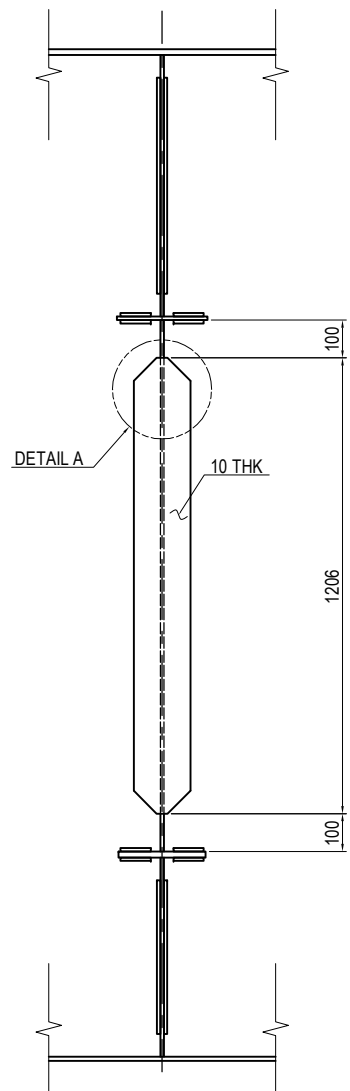
DETAIL A S=1:10



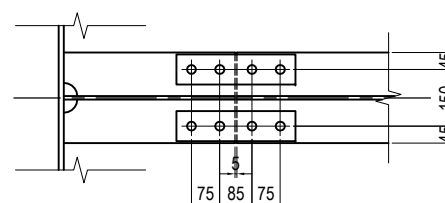
SECTION a-a



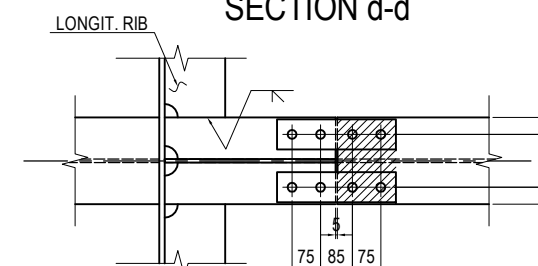
SECTION b-b



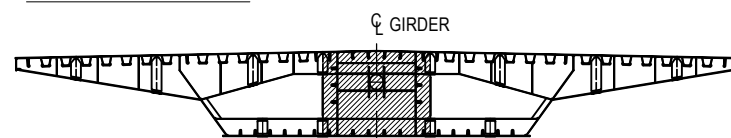
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

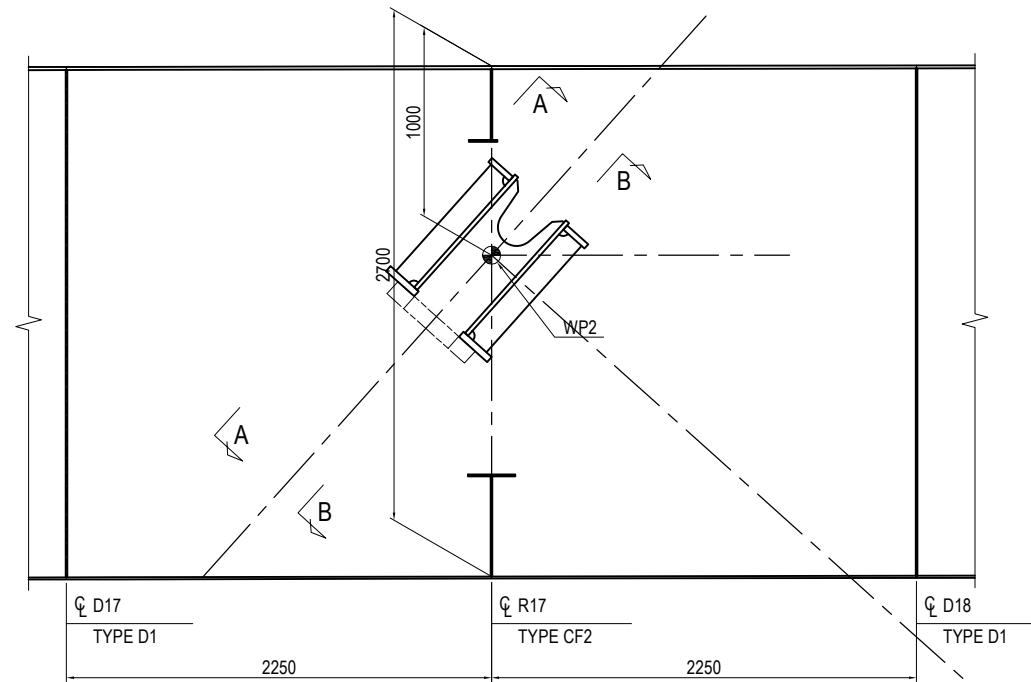
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1443.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108 CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1446

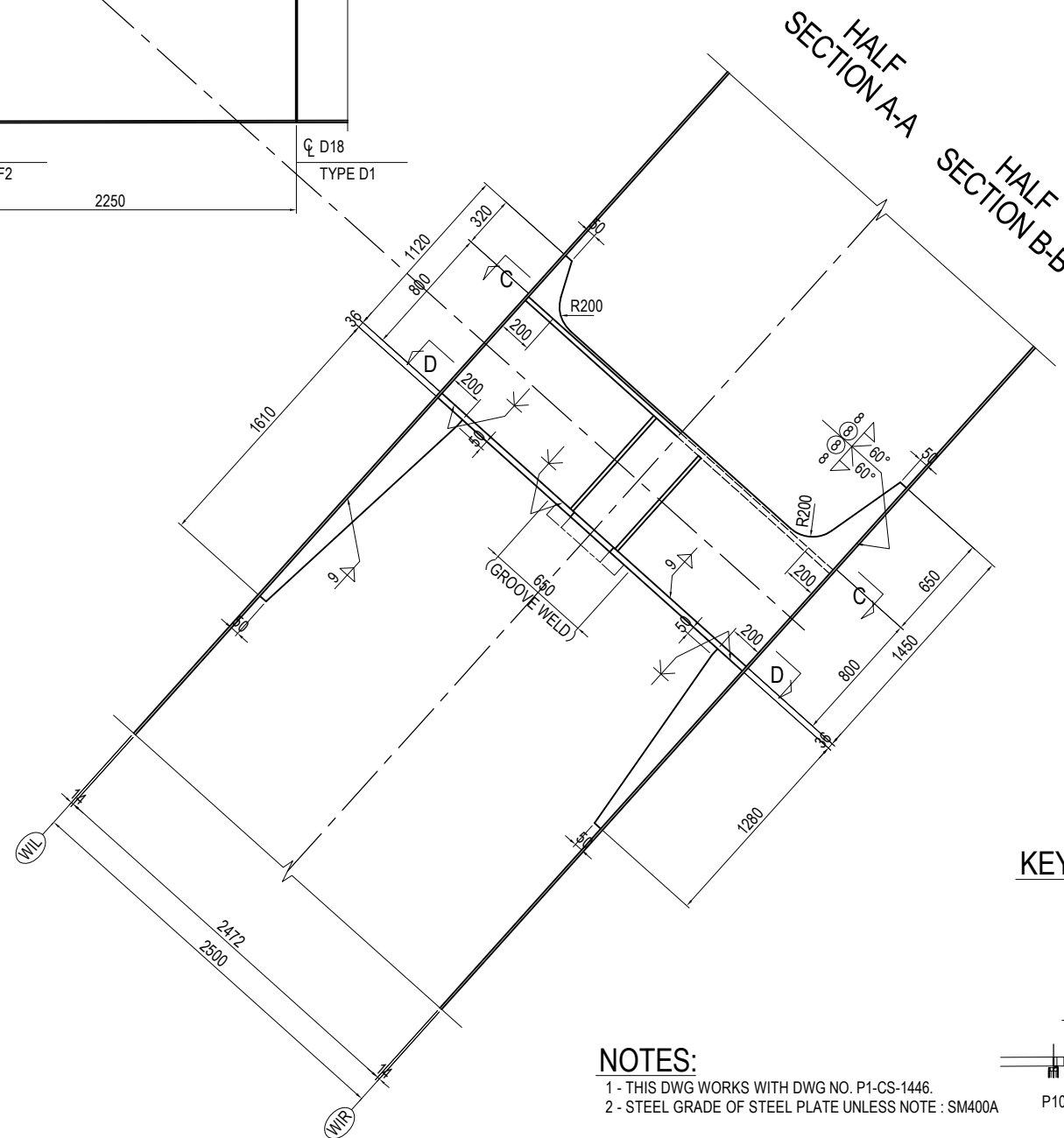
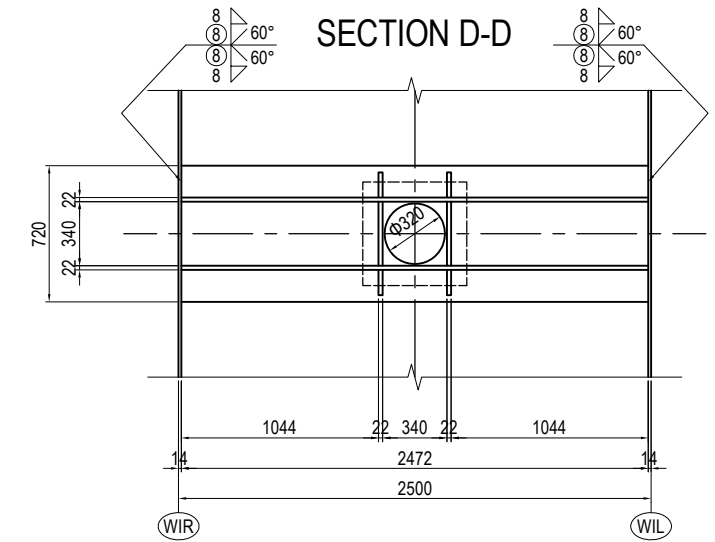
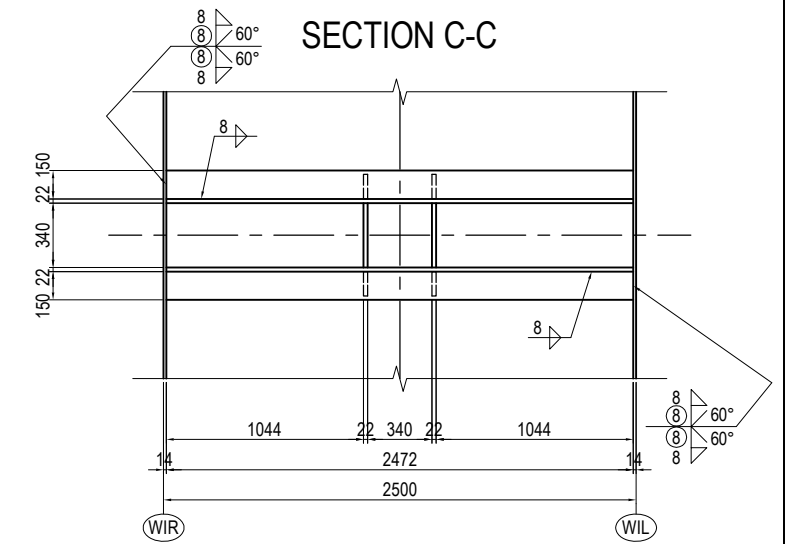
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (5)

S=1:40

ANCHOR BEAM C9



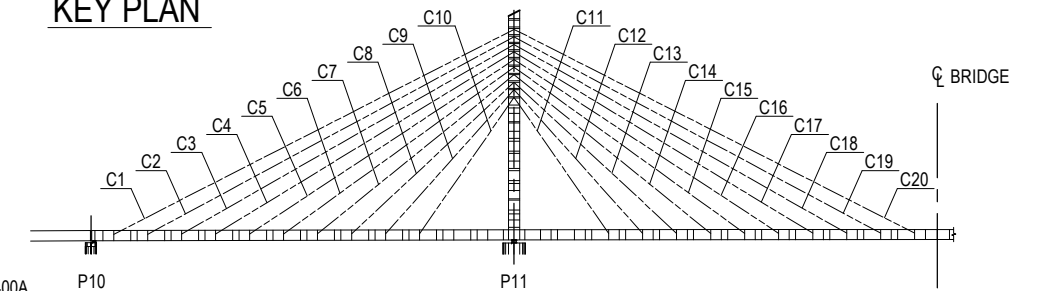
- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1450 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1280(SM490YB)
- 1-WEB PL 1120 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1610(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1446.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN

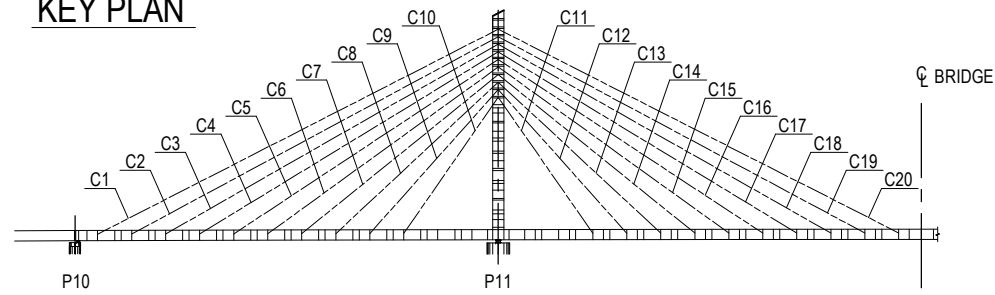


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C9 (5)</h3>	PACKAGE 1 DWG No. P1-CS-1447
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

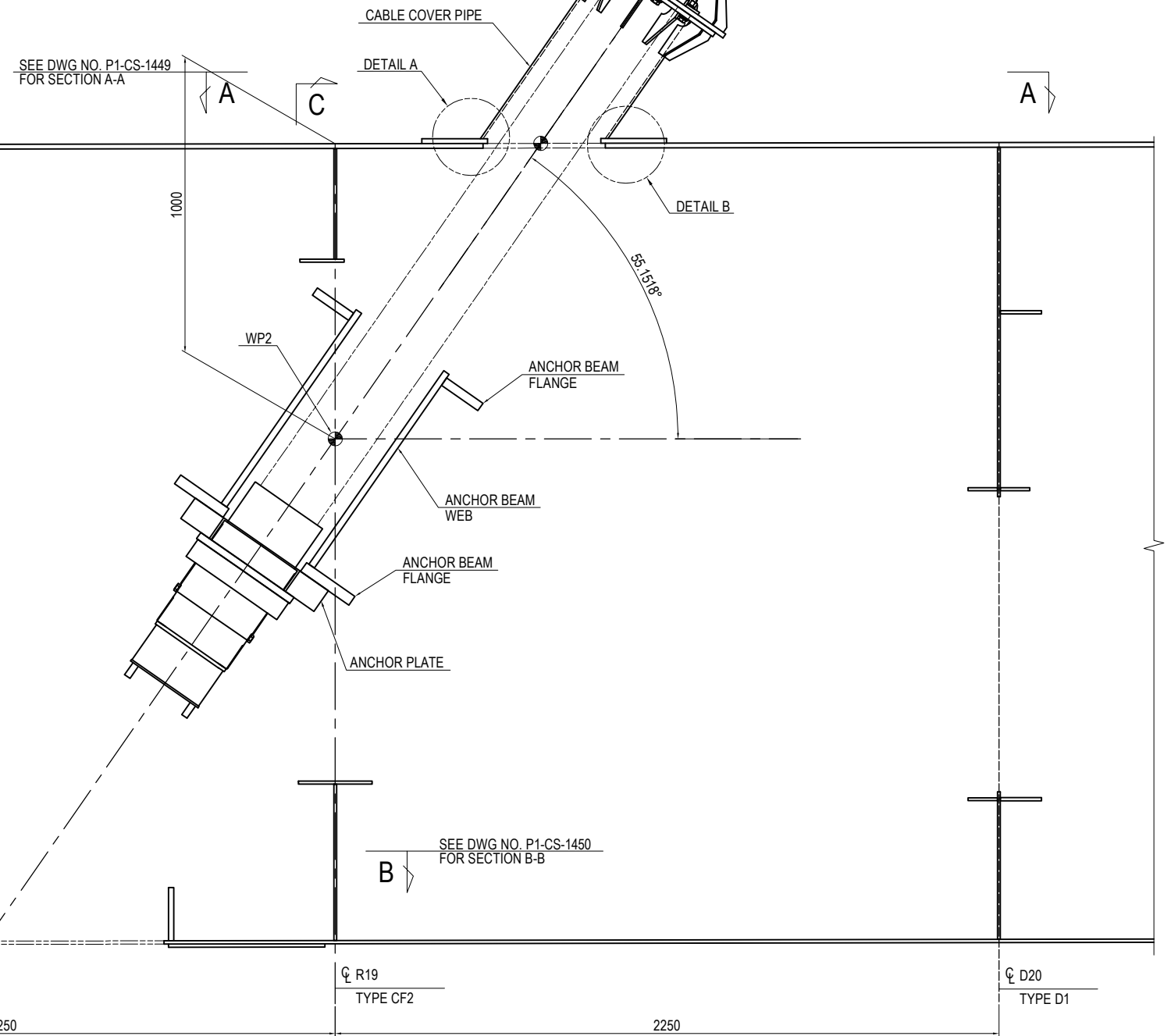
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (1)

S=1:20

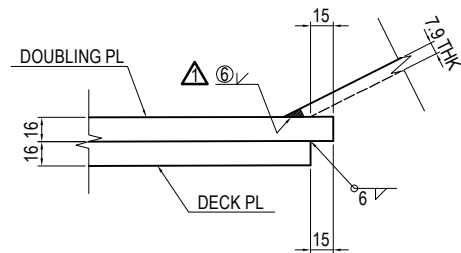
KEY PLAN



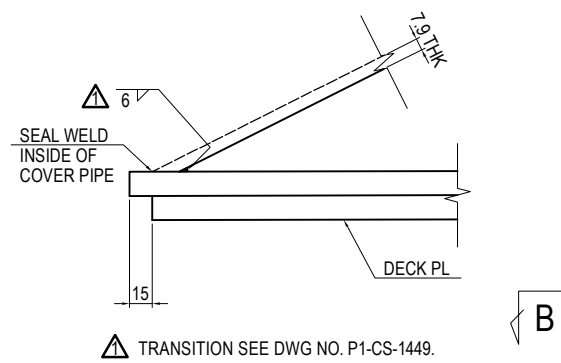
ELEVATION



DETAIL A S=1:5



DETAIL B S=1:5



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
**MAIN GIRDER ANCHORAGE OF STAY CABLES
CABLE NO.C10 (1)**

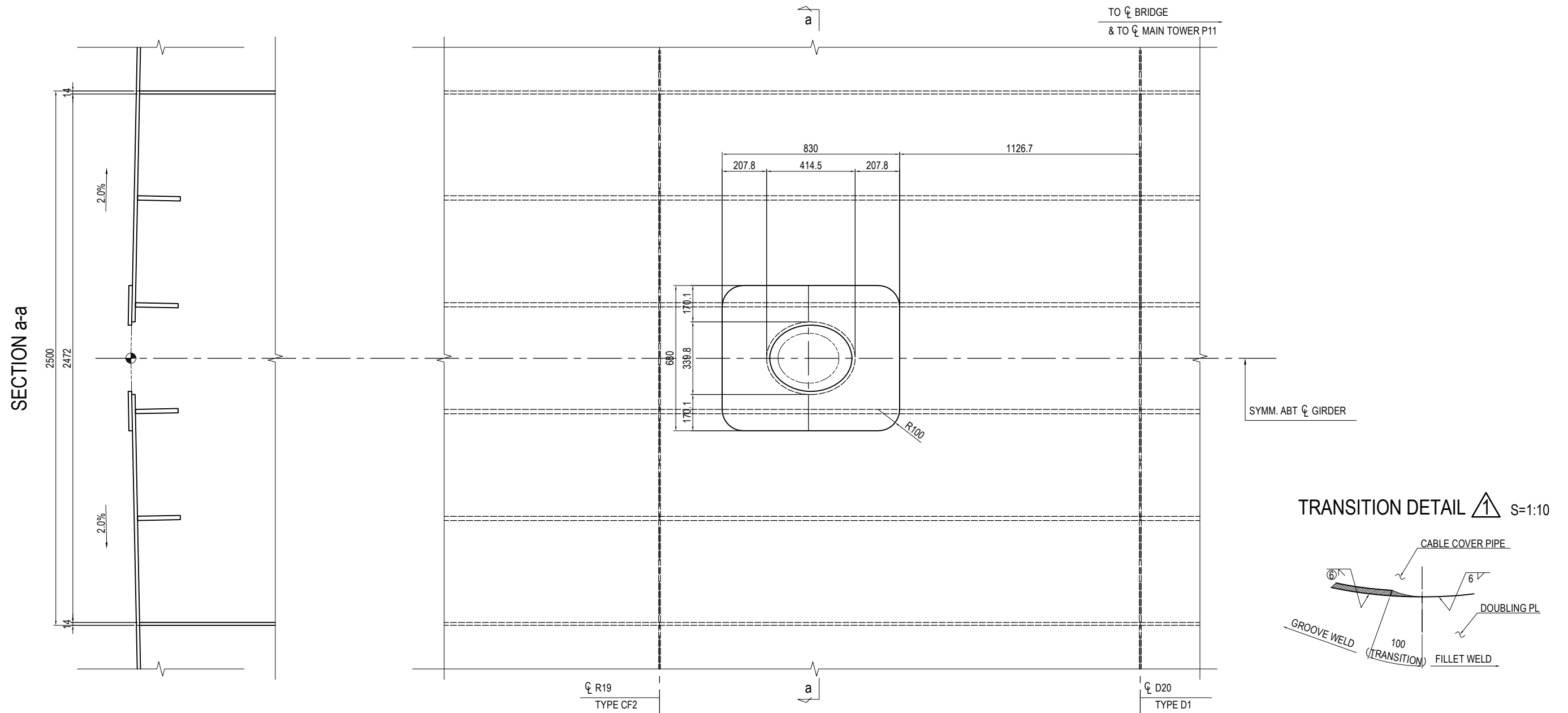
PACKAGE
1
DWG No.
P1-CS-1448

MAIN GIRDER ANCHORAGE OF STAY CABLES

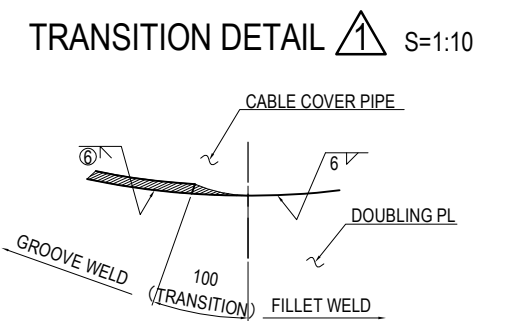
CABLE NO.C10 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 830
- 1-PIPE 355.6 x 7.9 x 751 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544



- NOTES:**
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1448.
 - 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES</h3> <h4 style="text-align: center;">CABLE NO.C10 (2)</h4>	PACKAGE 1 DWG No. P1-CS-1449
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

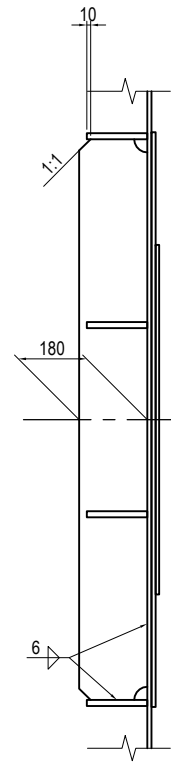
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (3)

S=1:20

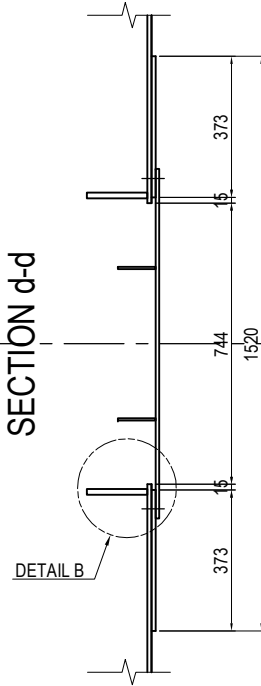
- 2-RIB PL 180 x 18 x 1484 (SM490YB)
- 1-PL 1520 x 11 x 2150 (SM490YA)
- 1-PL 924 x 9 x 1240
- 2-FB 100 x 6 x 960 (SS400)
- 3-PL 75 x 22 x 75
- 12-BN M16 x 50 (SUS304)
- 2-RB ϕ 16 x 600 (SS400)

SECTION B-B

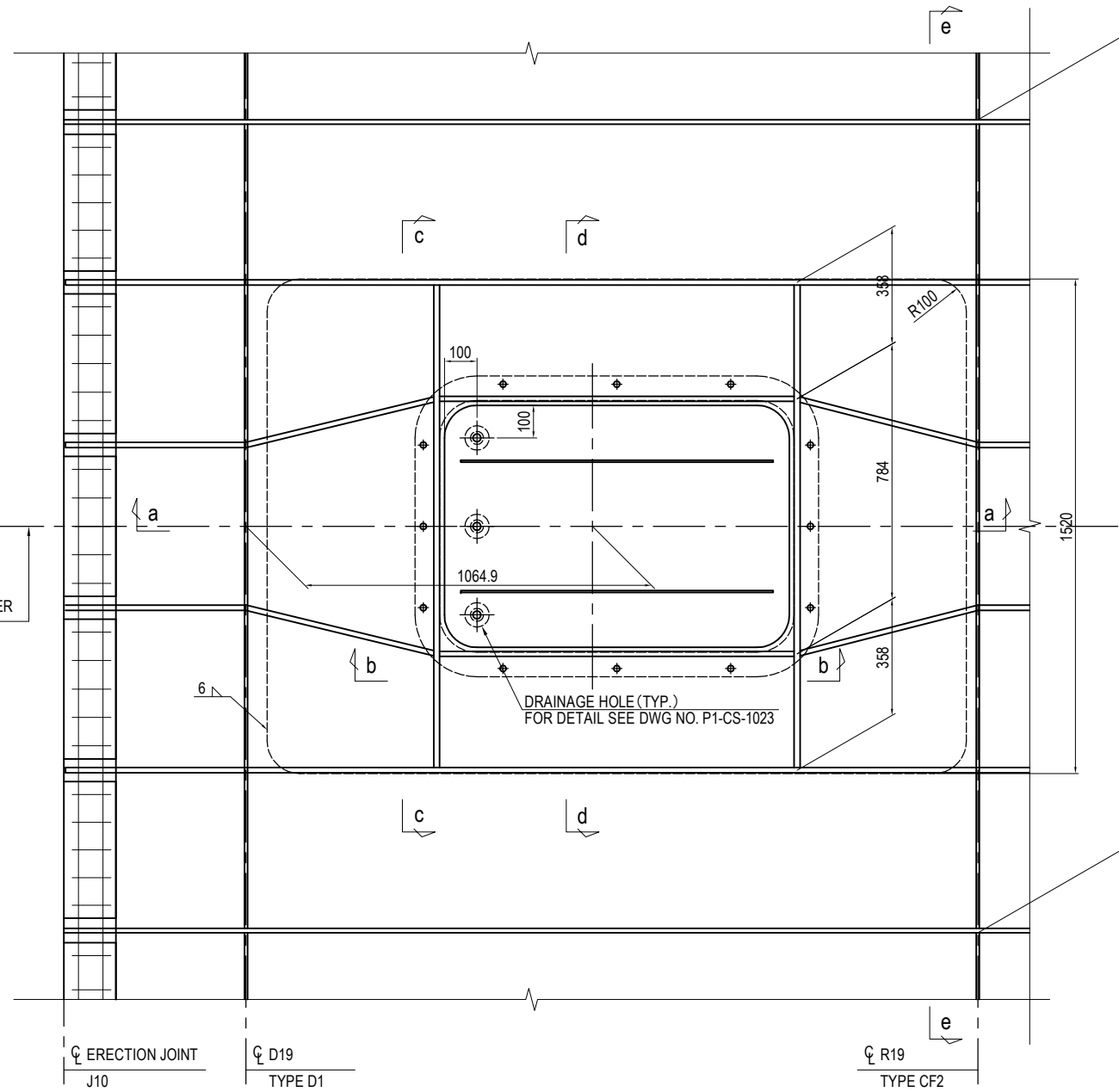
SECTION c-c



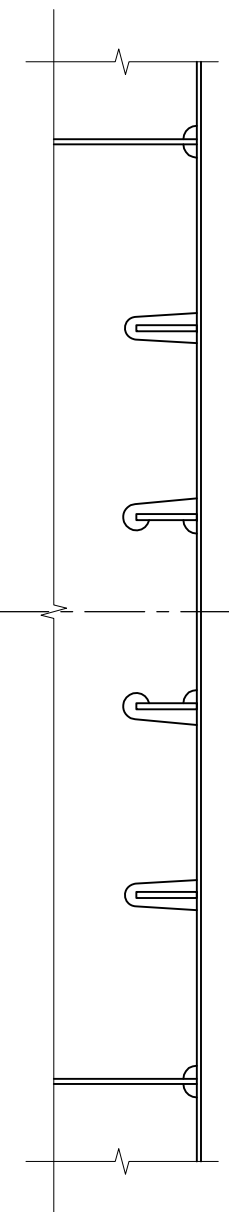
SECTION d-d



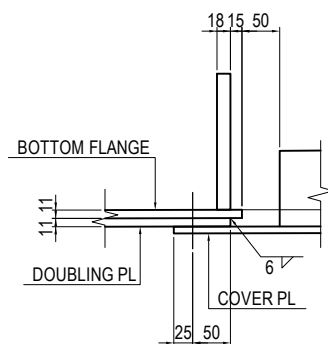
SYMM. ABT ϕ GIRDER



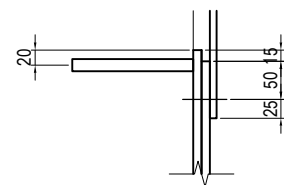
SECTION e-e



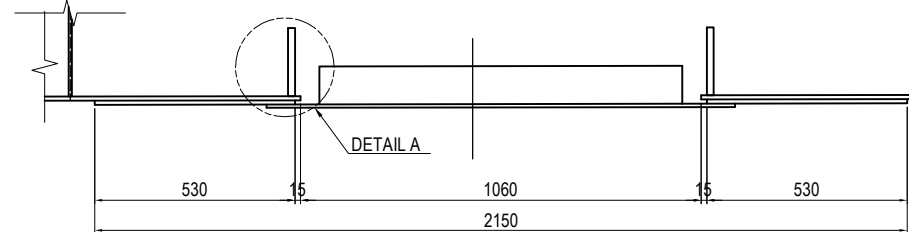
DETAIL A S=1:10



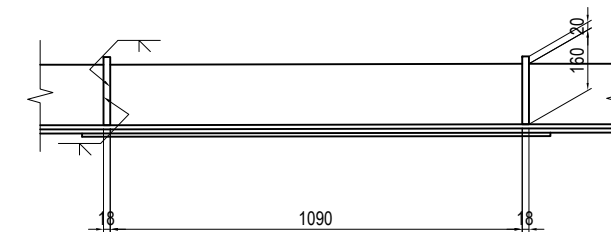
DETAIL B S=1:10



SECTION a-a



DEV. SECTION b-b



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1448.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (3)	PACKAGE 1 DWG No. P1-CS-1450
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES

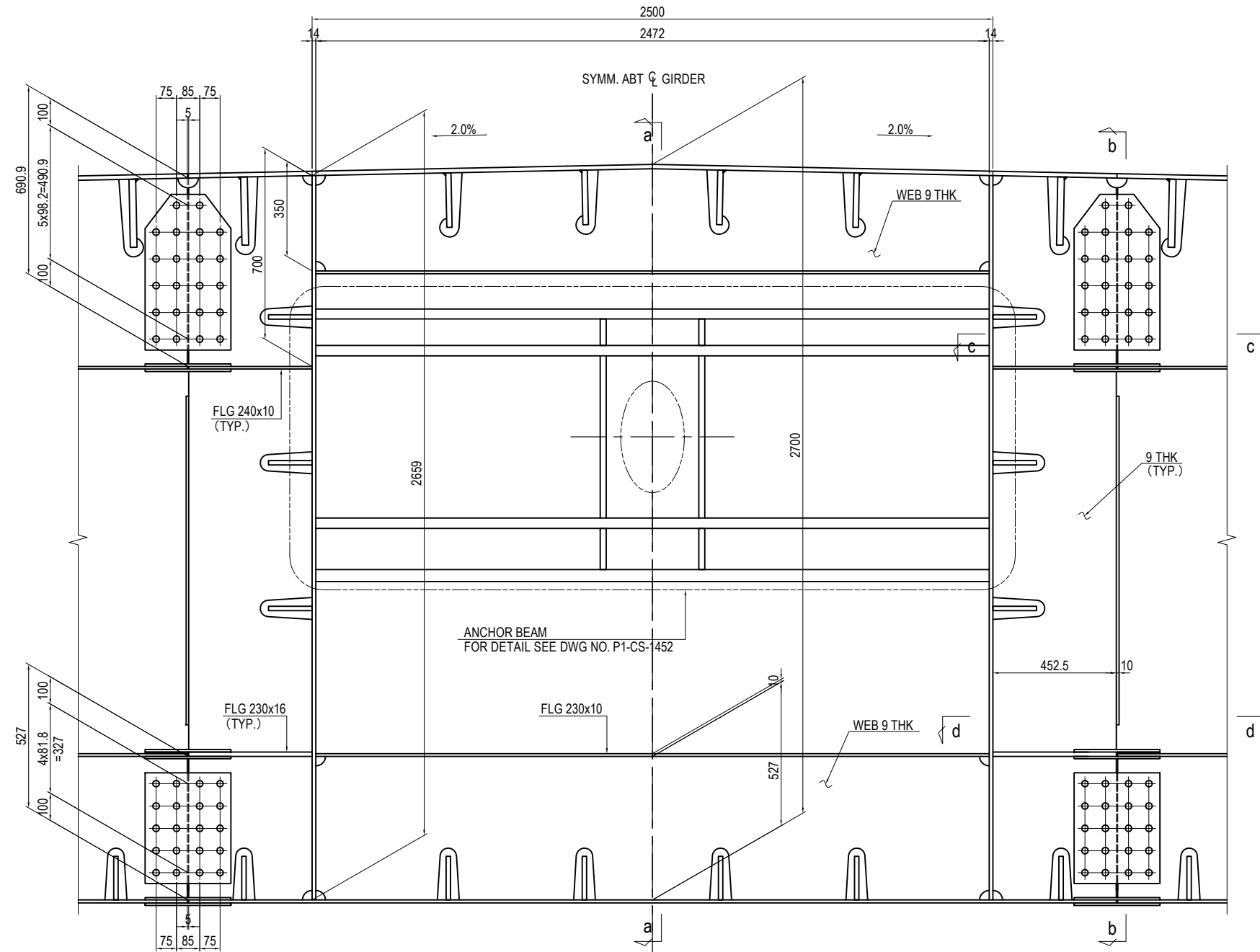
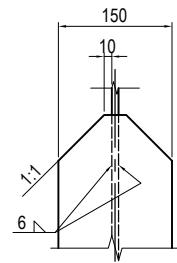
CABLE NO.C10 (4)

S=1:20

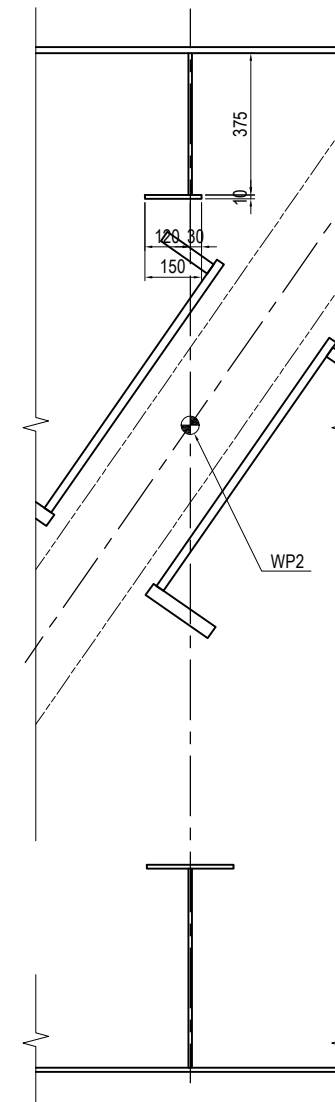
CROSSFRAME R19 SECTION C-C

- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472

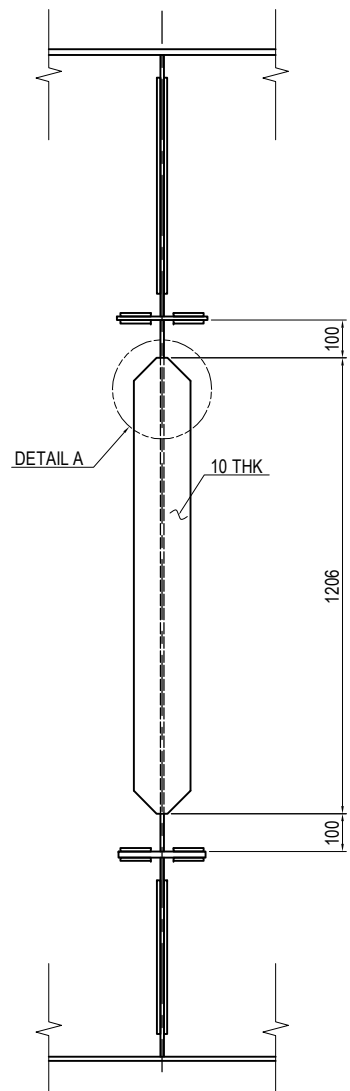
DETAIL A S=1:10



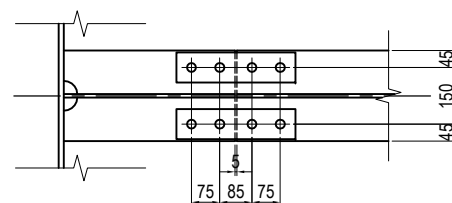
SECTION a-a



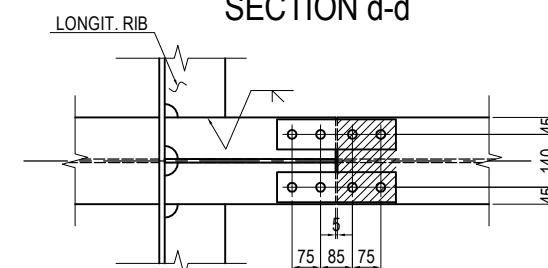
SECTION b-b



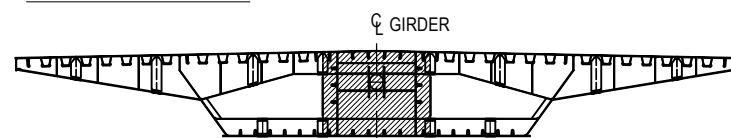
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

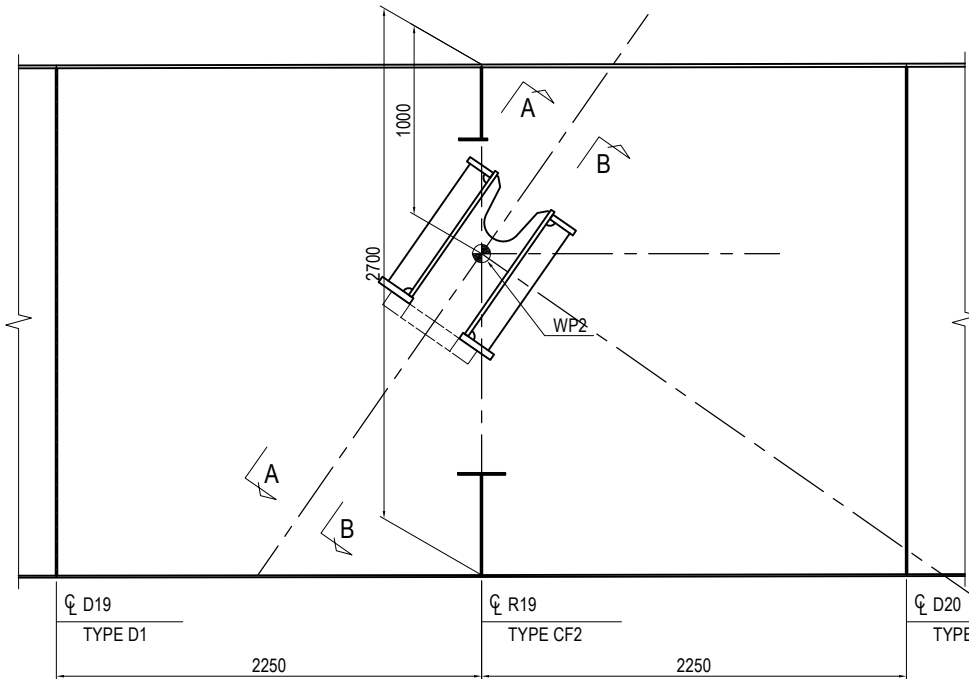
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1448.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108 CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1451

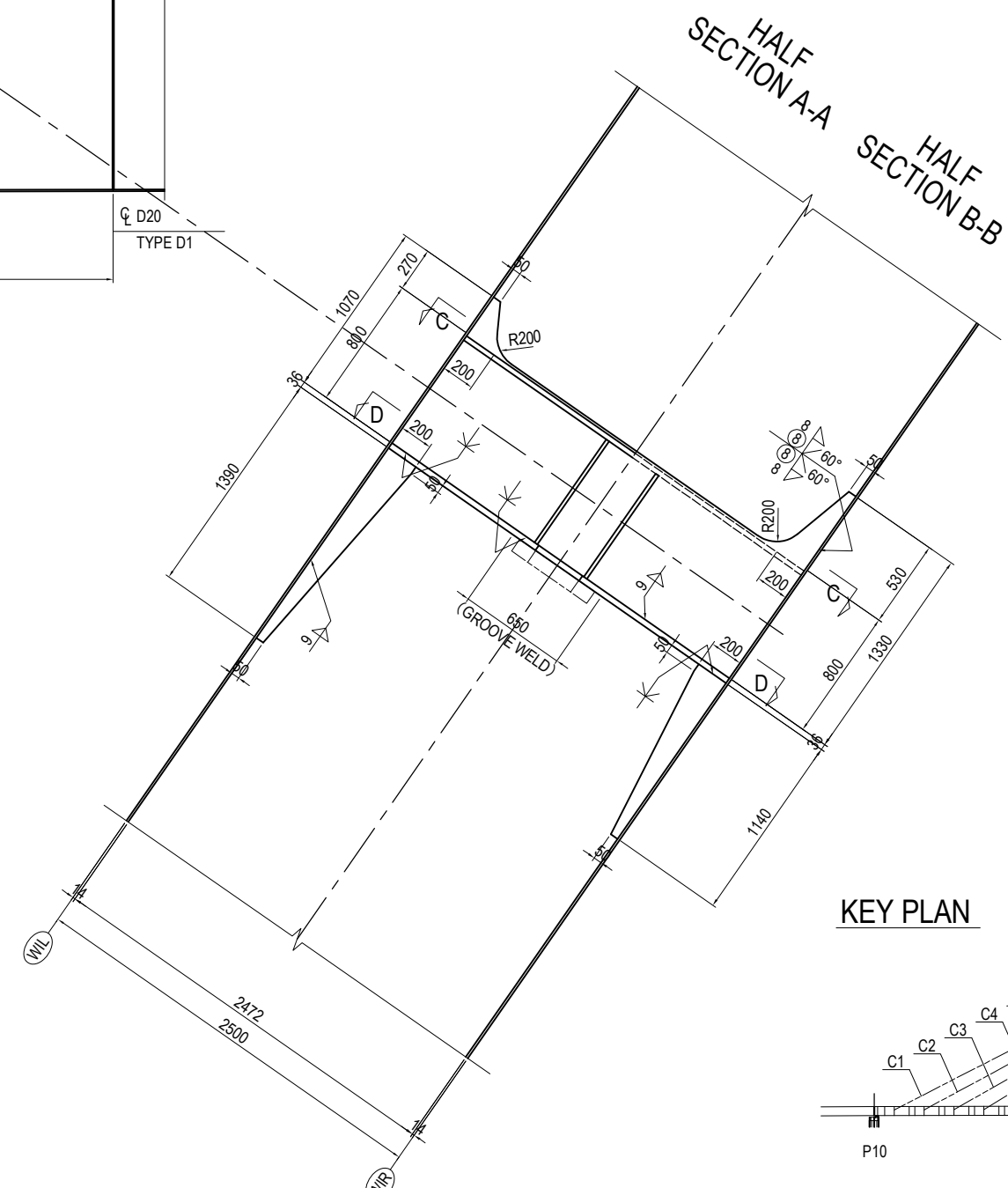
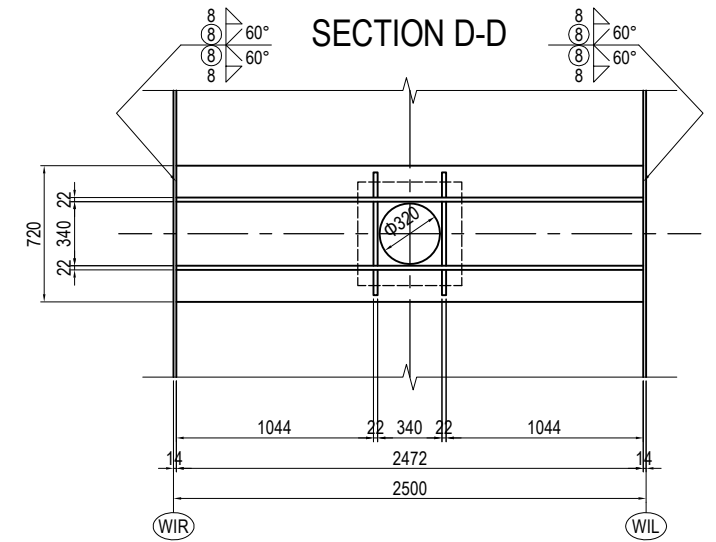
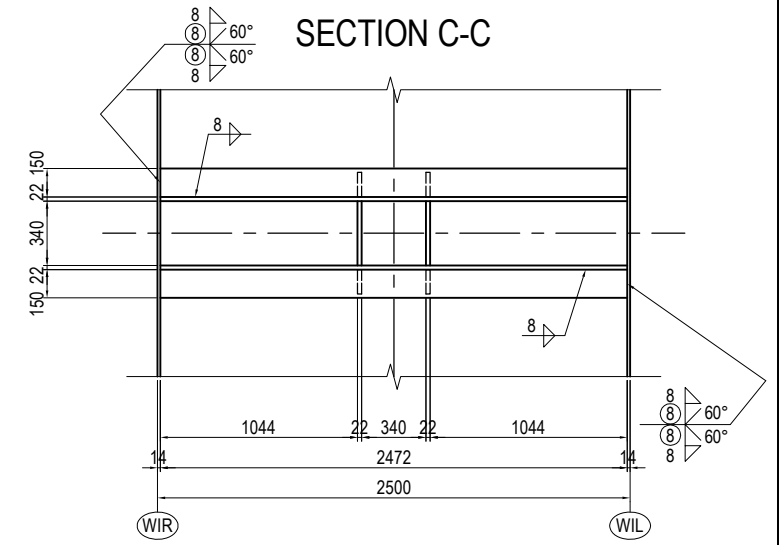
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (5)

S=1:40

ANCHOR BEAM C10



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1330 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1140(SM490YB)
- 1-WEB PL 1070 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1390(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1451.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

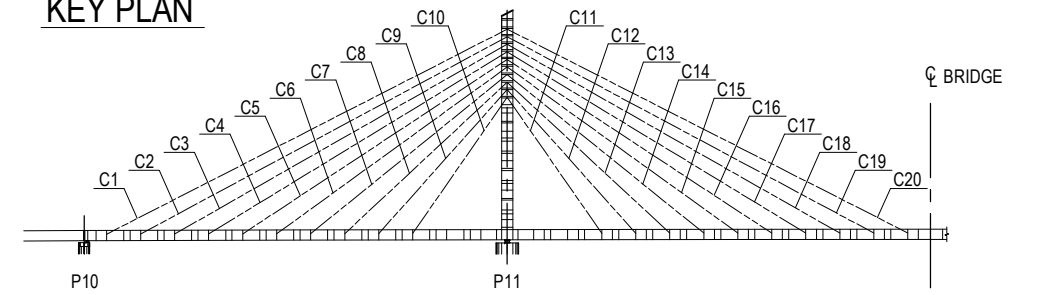
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C10 (5)	<small>PACKAGE</small> 1 <small>DWG No.</small> P1-CS-1452
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (1)

S=1:20

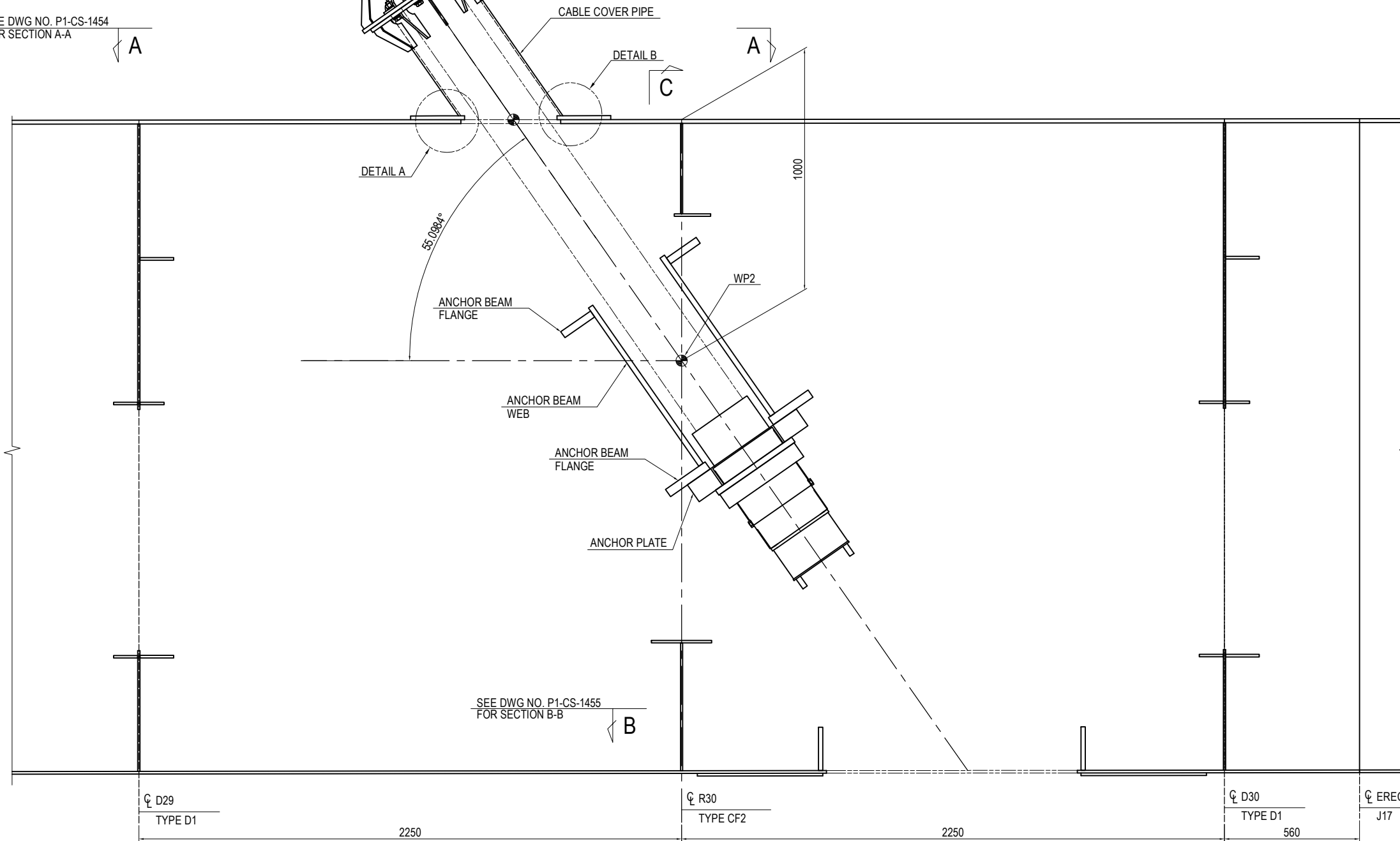
ELEVATION

KEY PLAN



SEE DWG NO. P1-CS-1454
FOR SECTION A-A

A



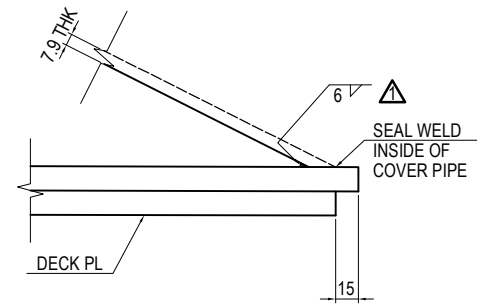
SEE DWG NO. P1-CS-1455
FOR SECTION B-B

B

C

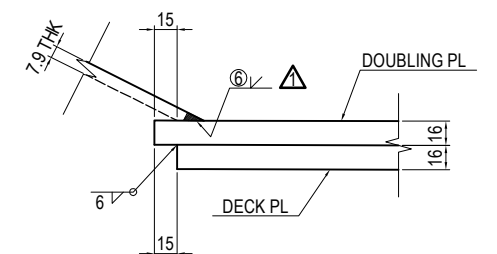
SEE DWG NO. P1-CS-1456
FOR CROSSFRAME SECTION C-C

DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1454.

DETAIL B S=1:5



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T.TOMODA		
CHECKED BY	T.HAYAKAWA		
APPROVED BY	Y.SANO		

DRAWING TITLE
**MAIN GIRDER ANCHORAGE OF STAY CABLES
CABLE NO.C11 (1)**

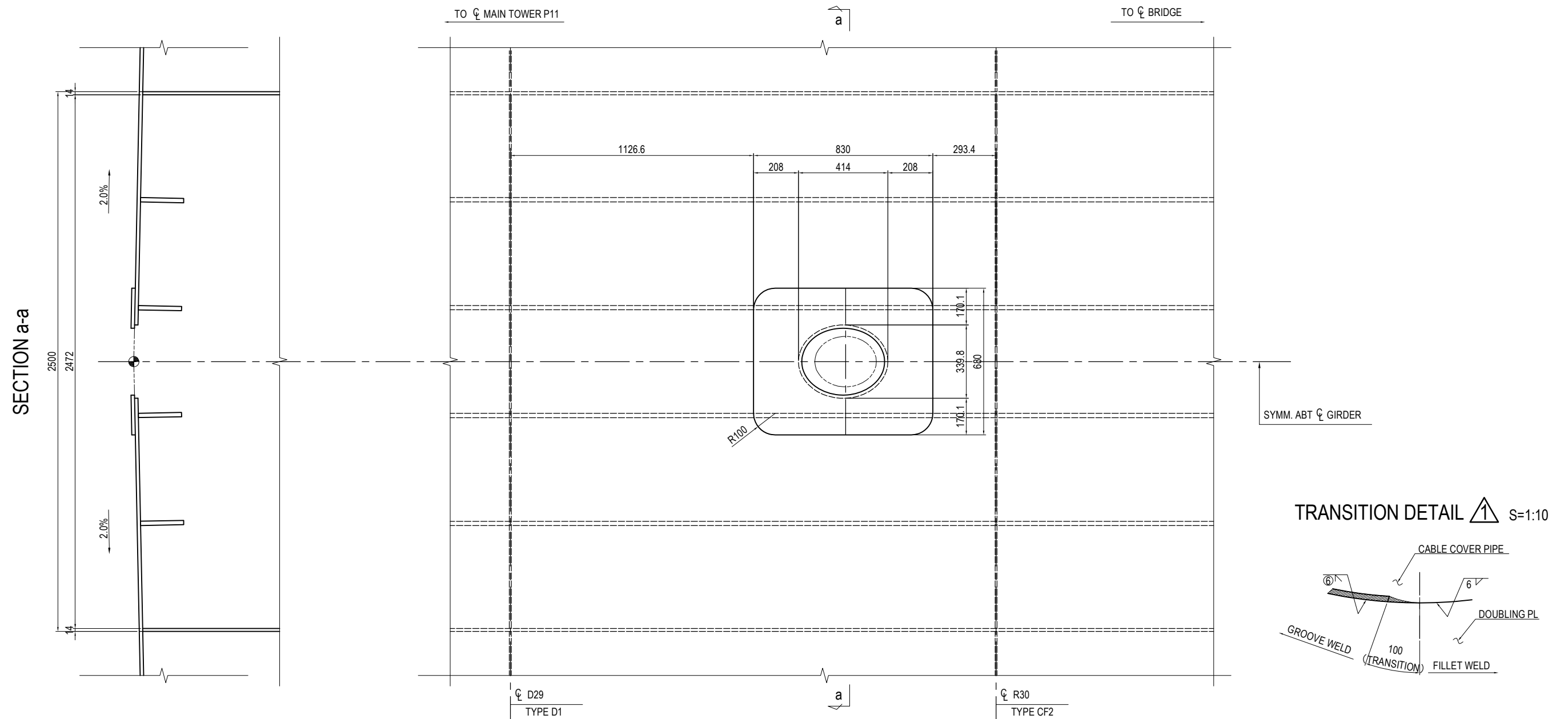
PACKAGE
1
DWG No.
P1-CS-1453

MAIN GIRDER ANCHORAGE OF STAY CABLES

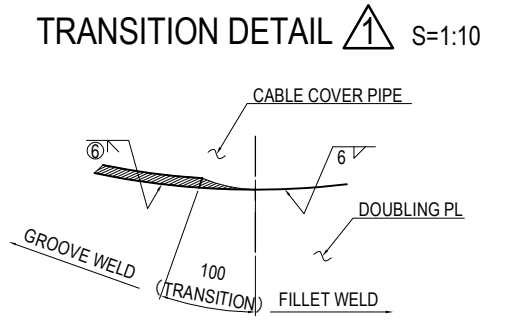
CABLE NO.C11 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 830
- 1-PIPE 355.6 x 7.9 x 751 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1453.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T.HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y.SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T.HAYAKAWA			APPROVED BY Y.SANO			DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (2)	PACKAGE 1 DWG No. P1-CS-1454
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T.HAYAKAWA																		
APPROVED BY Y.SANO																		

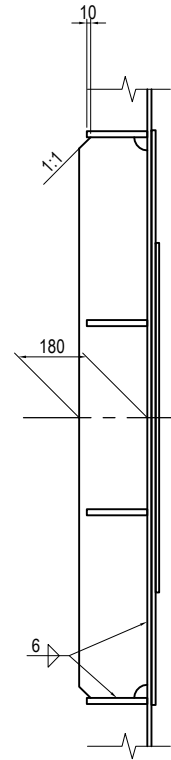
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (3)

S=1:20

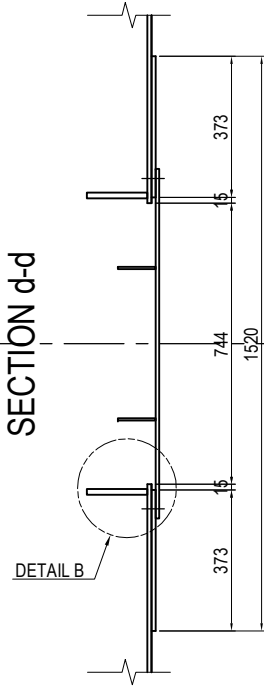
- 2-RIB PL 180 x 18 x 1484 (SM490YB)
- 1-PL 1520 x 11 x 2110 (SM490YA)
- 1-PL 924 x 9 x 1220
- 2-FB 100 x 6 x 940 (SS400)
- 3-PL 75 x 22 x 75
- 12-BN M16 x 50 (SUS304)
- 2-RB $\phi 16$ x 600 (SS400)

SECTION B-B

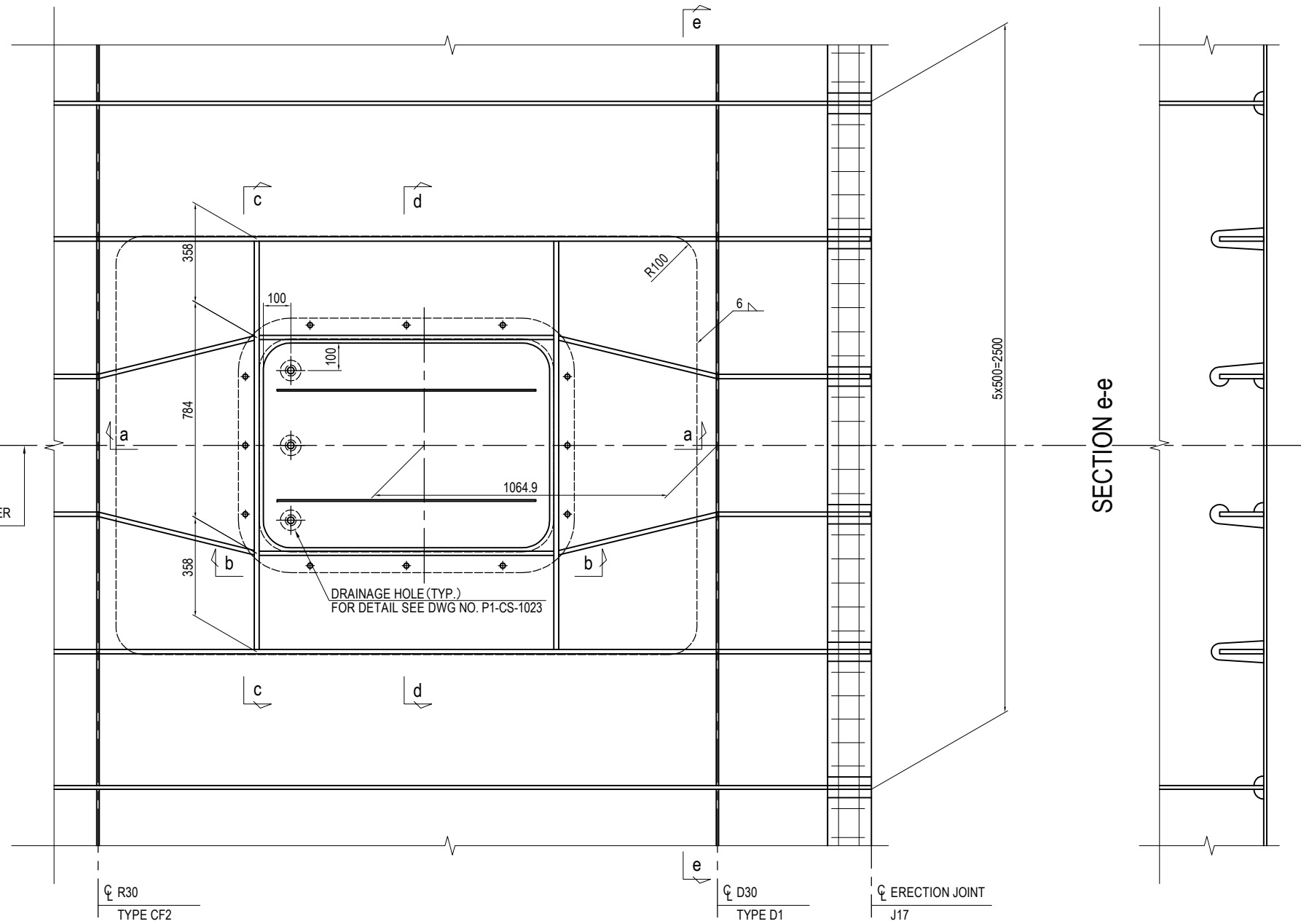
SECTION c-c



SECTION d-d

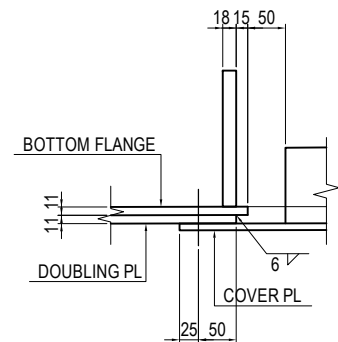


SYMM. ABT ϕ GIRDER

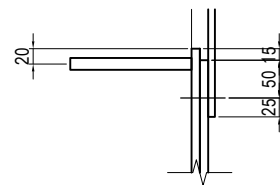


SECTION e-e

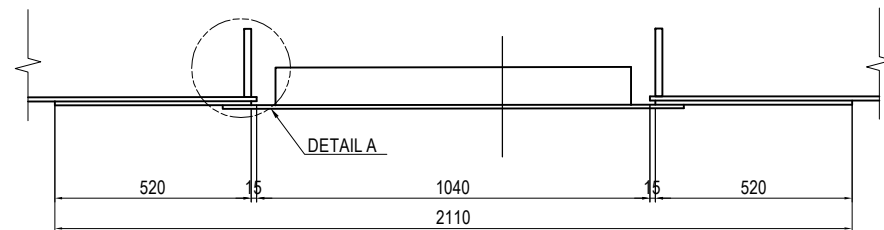
DETAIL A S=1:10



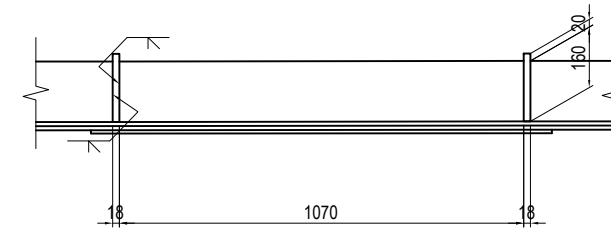
DETAIL B S=1:10



SECTION a-a



DEV. SECTION b-b



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1453.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h2 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (3)</h2>	PACKAGE 1 DWG No. P1-CS-1455
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

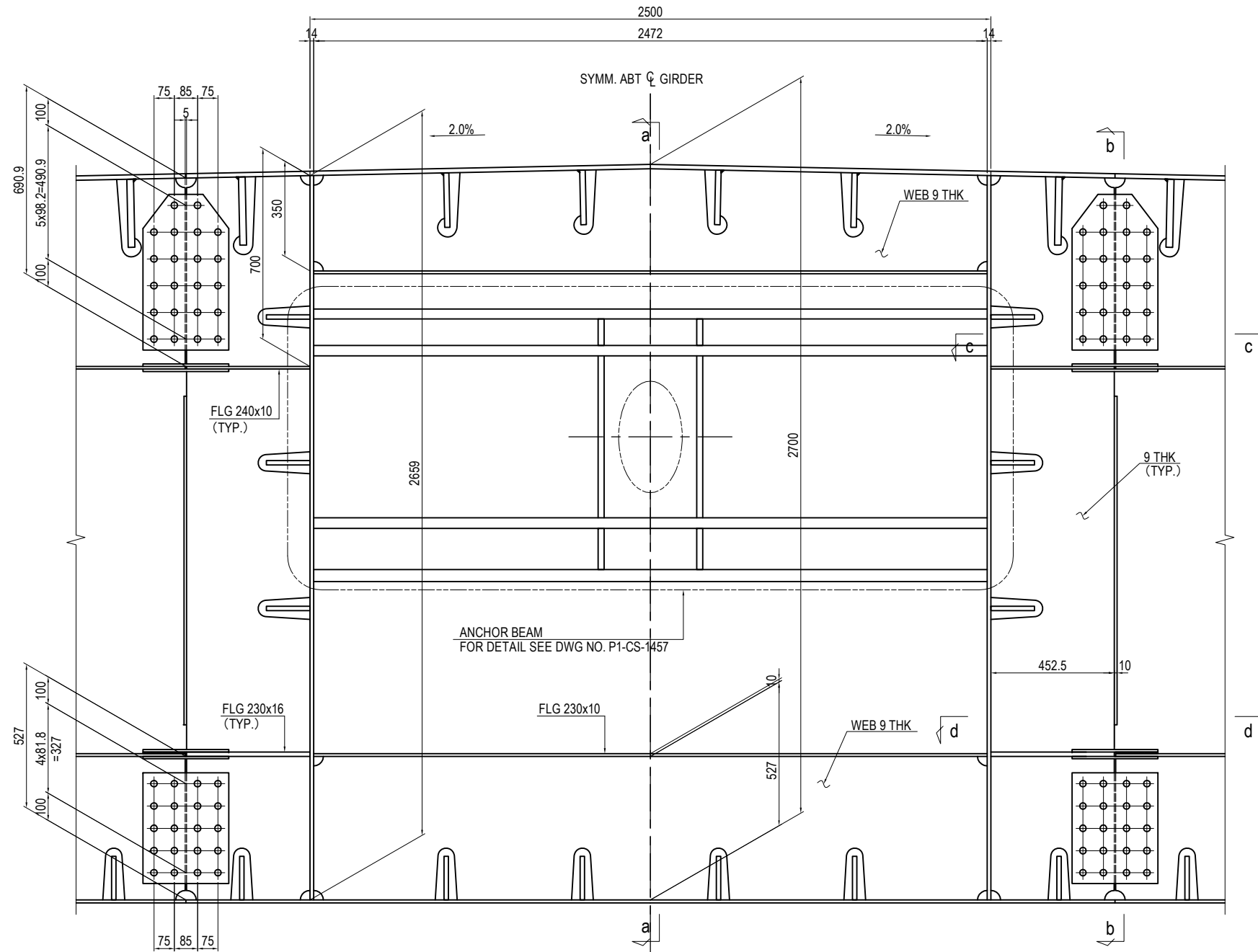
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C11 (4)

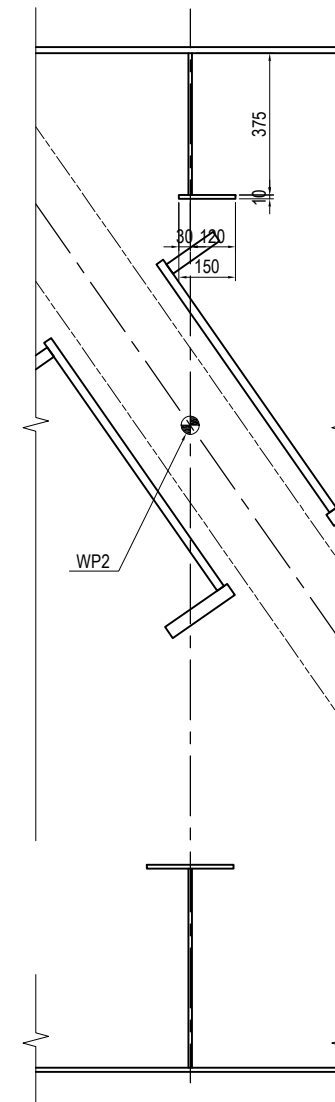
S=1:20

CROSSFRAME R30 SECTION C-C

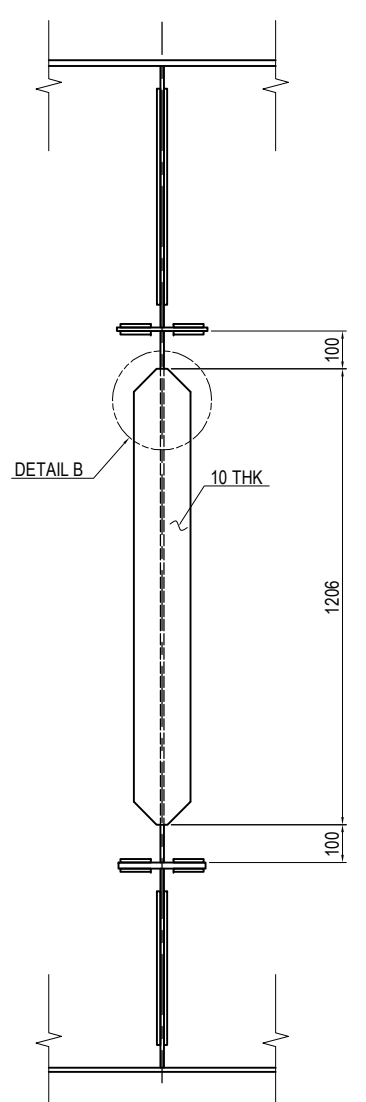
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



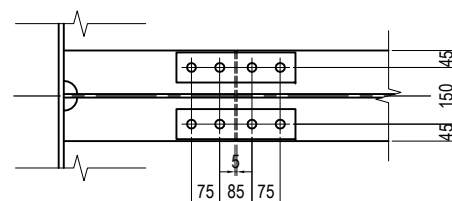
SECTION a-a



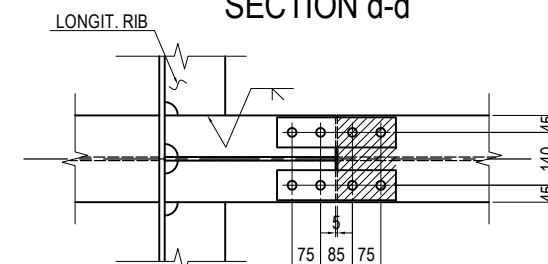
SECTION b-b



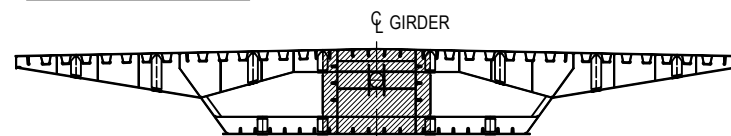
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

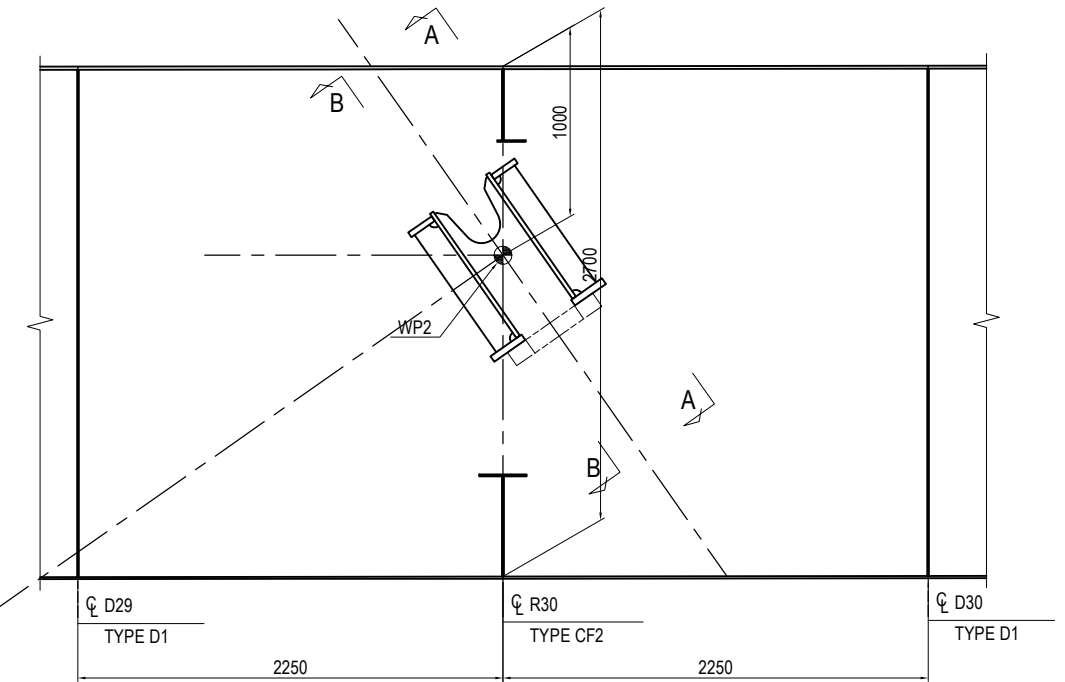
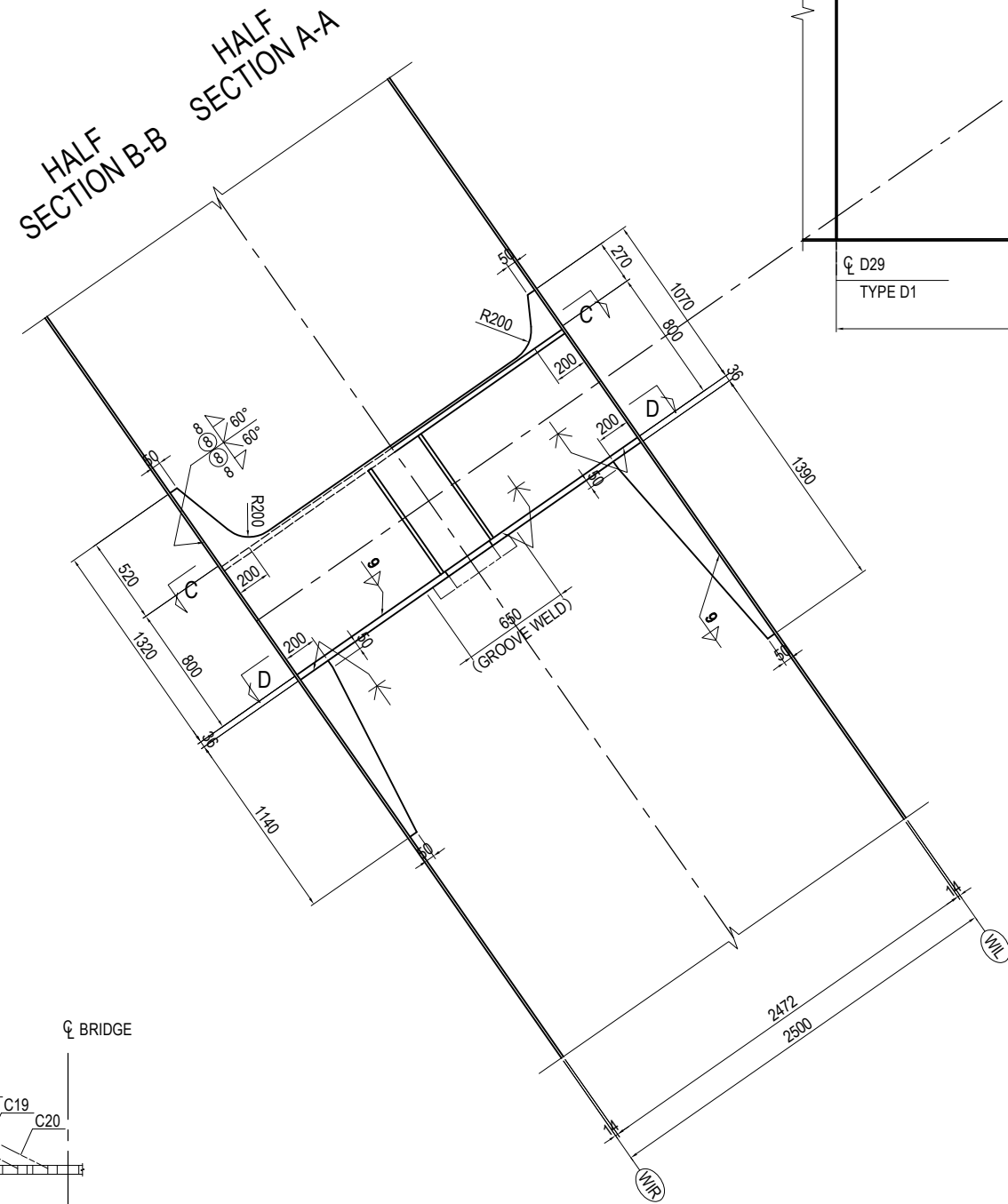
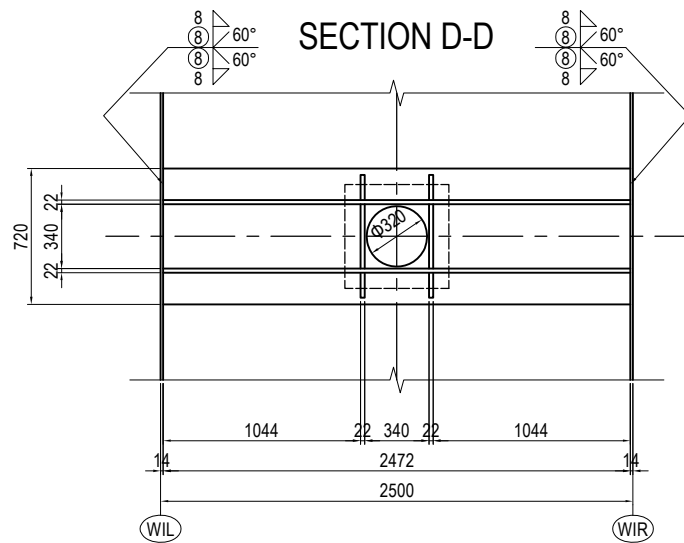
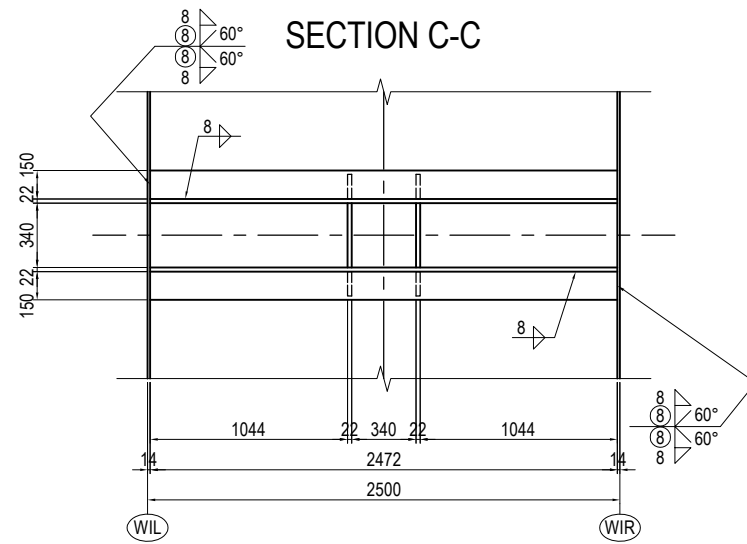
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1453.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108 CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-1456

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (5)

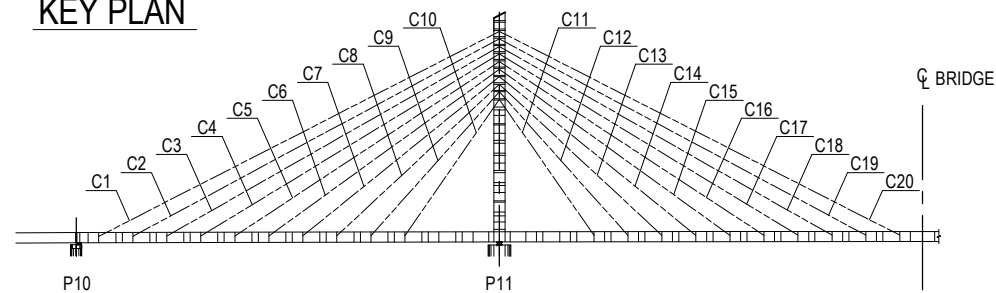
S=1:40

ANCHOR BEAM C11



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1320 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1140(SM490YB)
- 1-WEB PL 1070 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1390(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

KEY PLAN



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1456.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

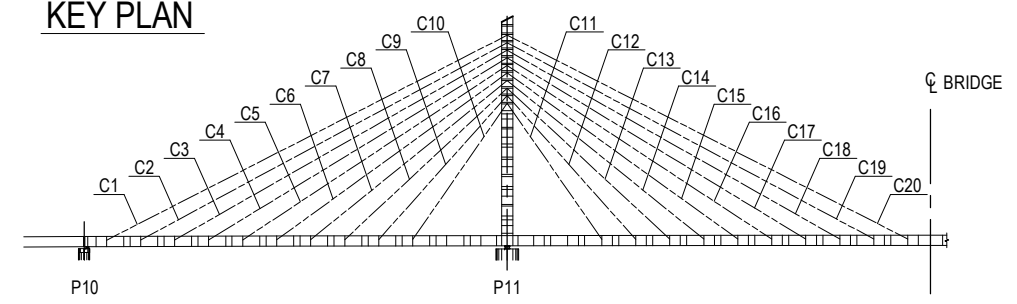
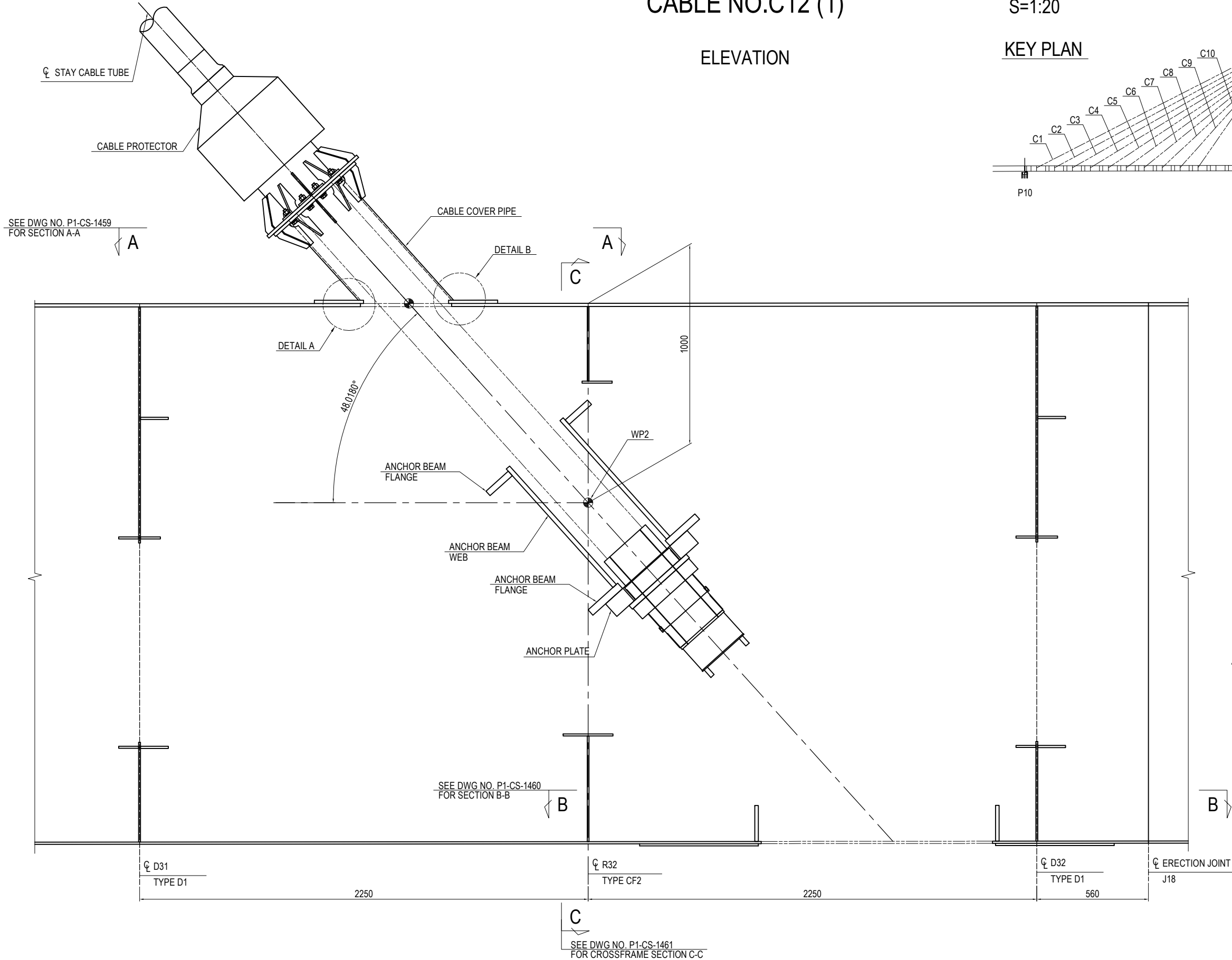
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C11 (5)	PACKAGE 1 DWG No. P1-CS-1457
				PREPARED BY				
				CHECKED BY				
				APPROVED BY				

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (1)

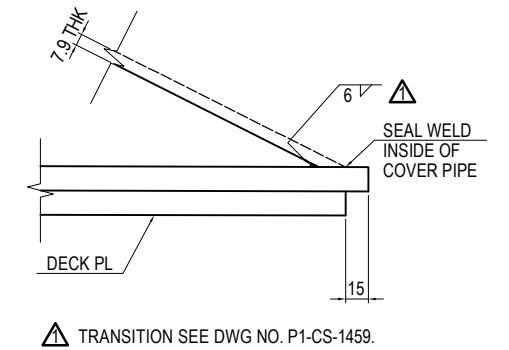
S=1:20

ELEVATION

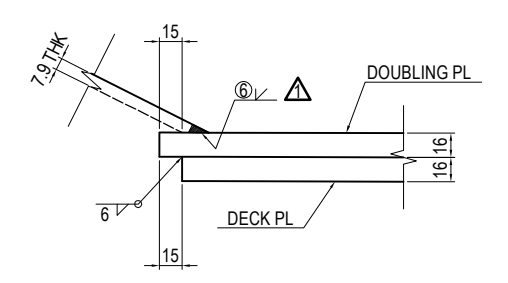
KEY PLAN



DETAIL A S=1:5



DETAIL B S=1:5



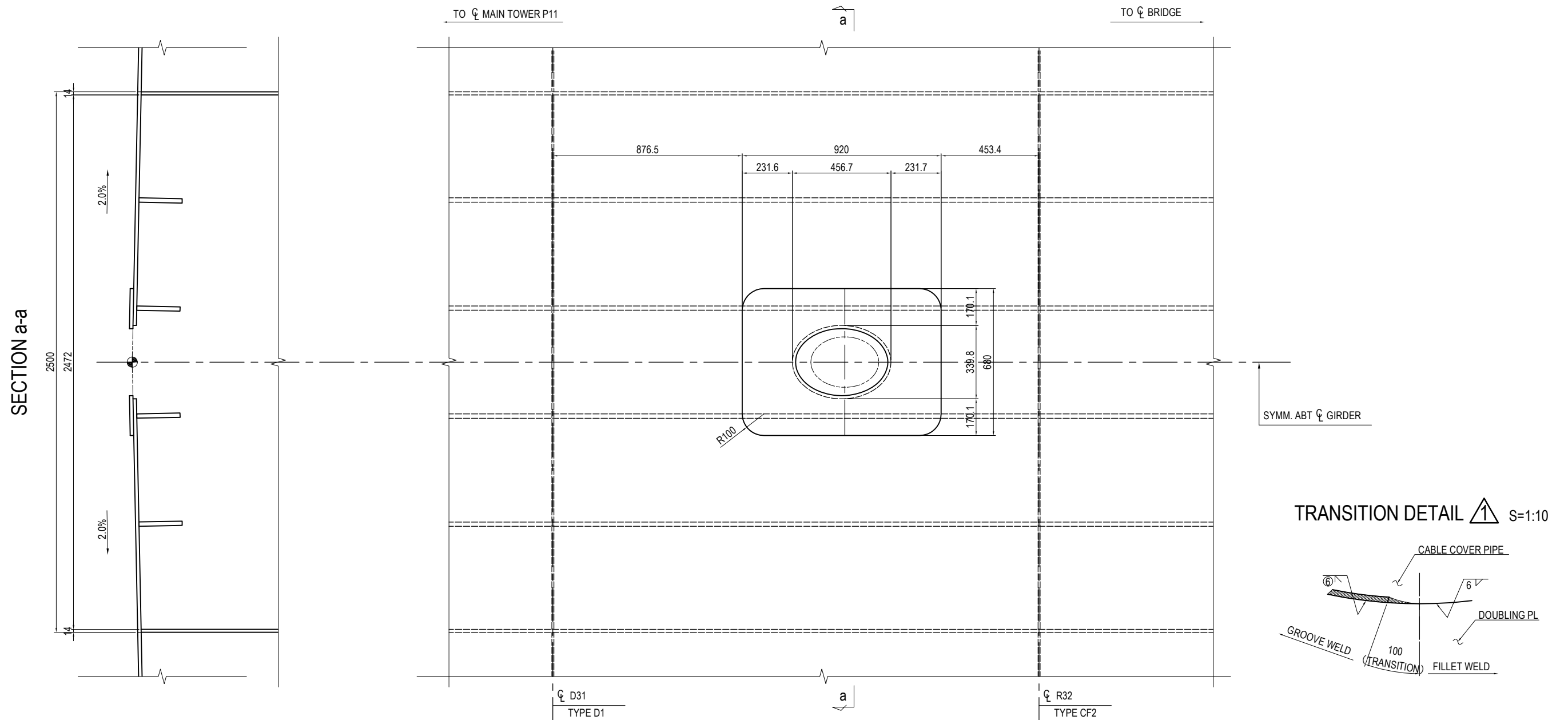
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (1)</h3>	PACKAGE 1 DWG No. P1-CS-1458
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

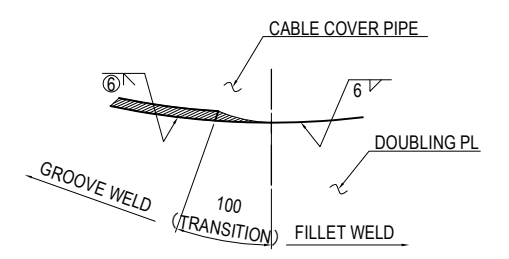
CABLE NO.C12 (2)

S=1:20

SECTION A-A



TRANSITION DETAIL \triangle S=1:10



- 1-PL 680 x 16 x 920
- 1-PIPE 355.6 x 7.9 x 851 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1458.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES</h3> <h4 style="text-align: center;">CABLE NO.C12 (2)</h4>	PACKAGE 1 DWG No. P1-CS-1459
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

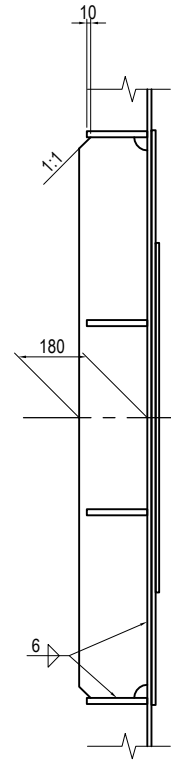
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (3)

S=1:20

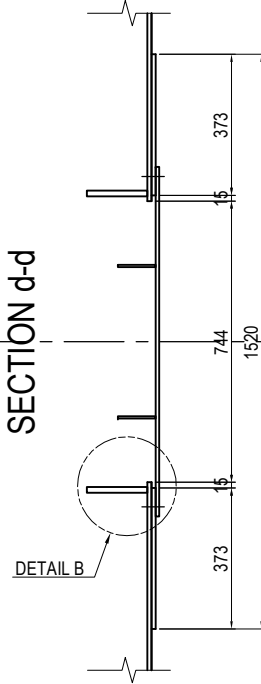
- 2-RIB PL 180 x 18 x 1484 (SM490YB)
- 1-PL 1520 x 11 x 2030 (SM490YA)
- 1-PL 924 x 9 x 1340
- 2-FB 100 x 6 x 1060 (SS400)
- 3-PL 75 x 22 x 75
- 12-BN M16 x 50 (SUS304)
- 2-RB ϕ 16 x 600 (SS400)

SECTION B-B

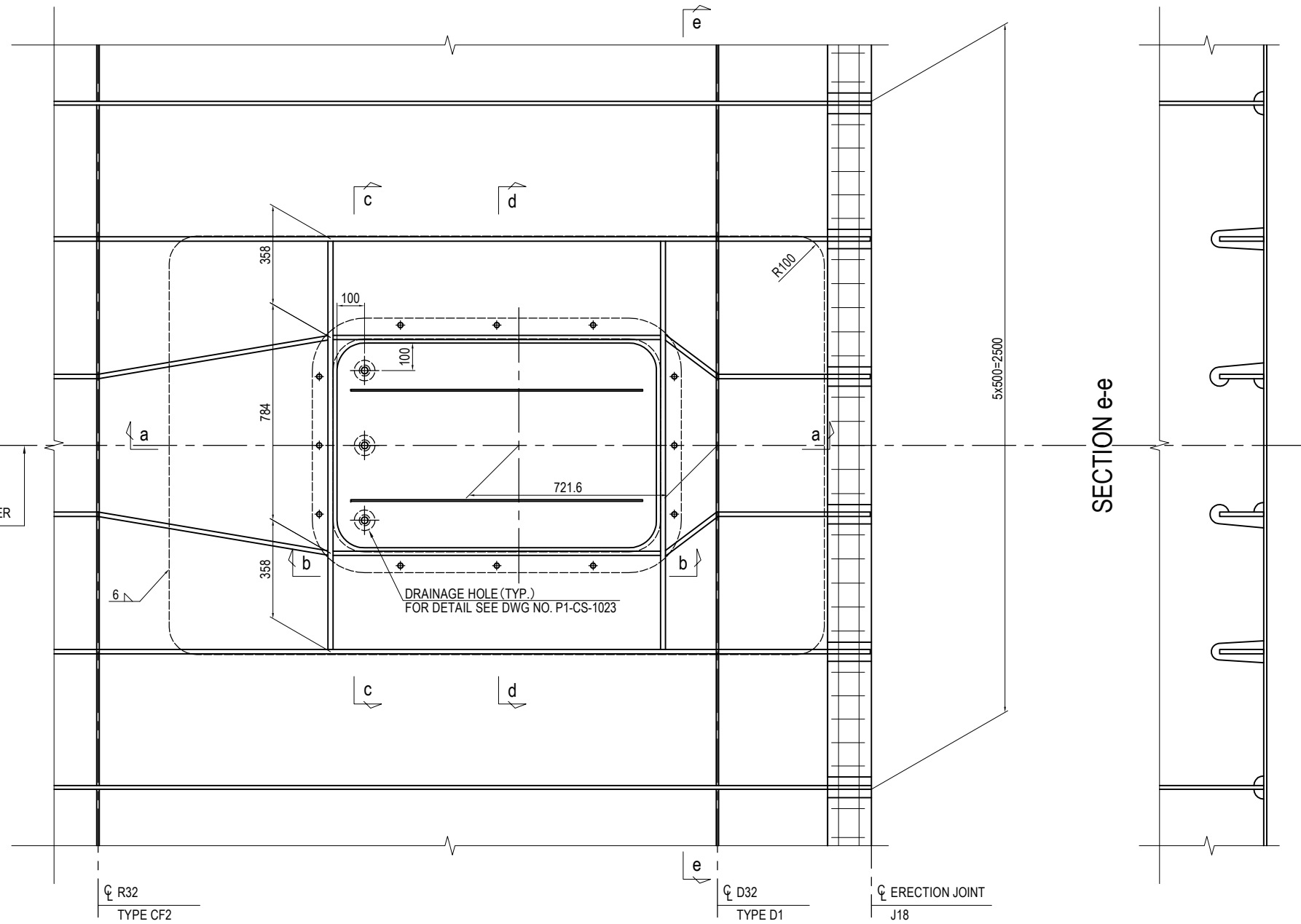
SECTION c-c



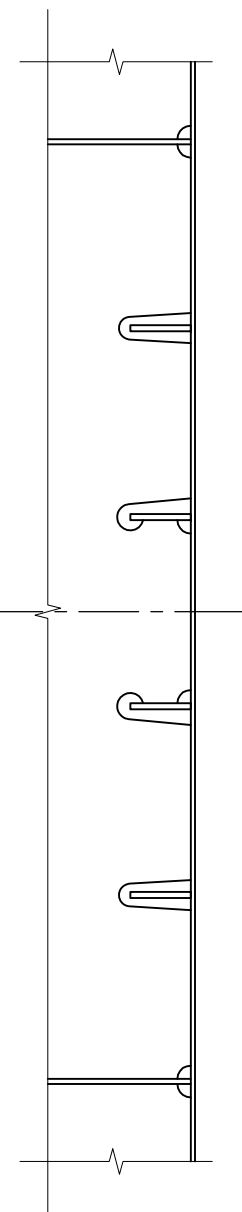
SECTION d-d



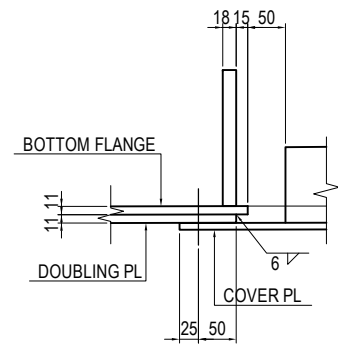
SYMM. ABT ϕ GIRDER



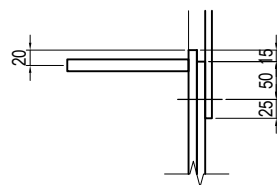
SECTION e-e



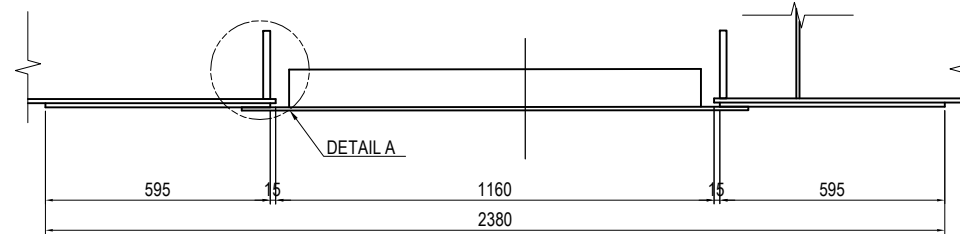
DETAIL A S=1:10



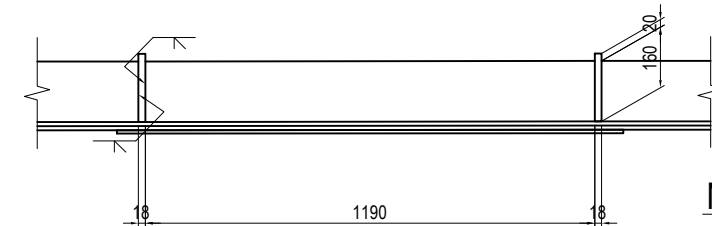
DETAIL B S=1:10



SECTION a-a



DEV. SECTION b-b



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1458.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h2 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (3)</h2>	PACKAGE 1 DWG No. P1-CS-1460
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

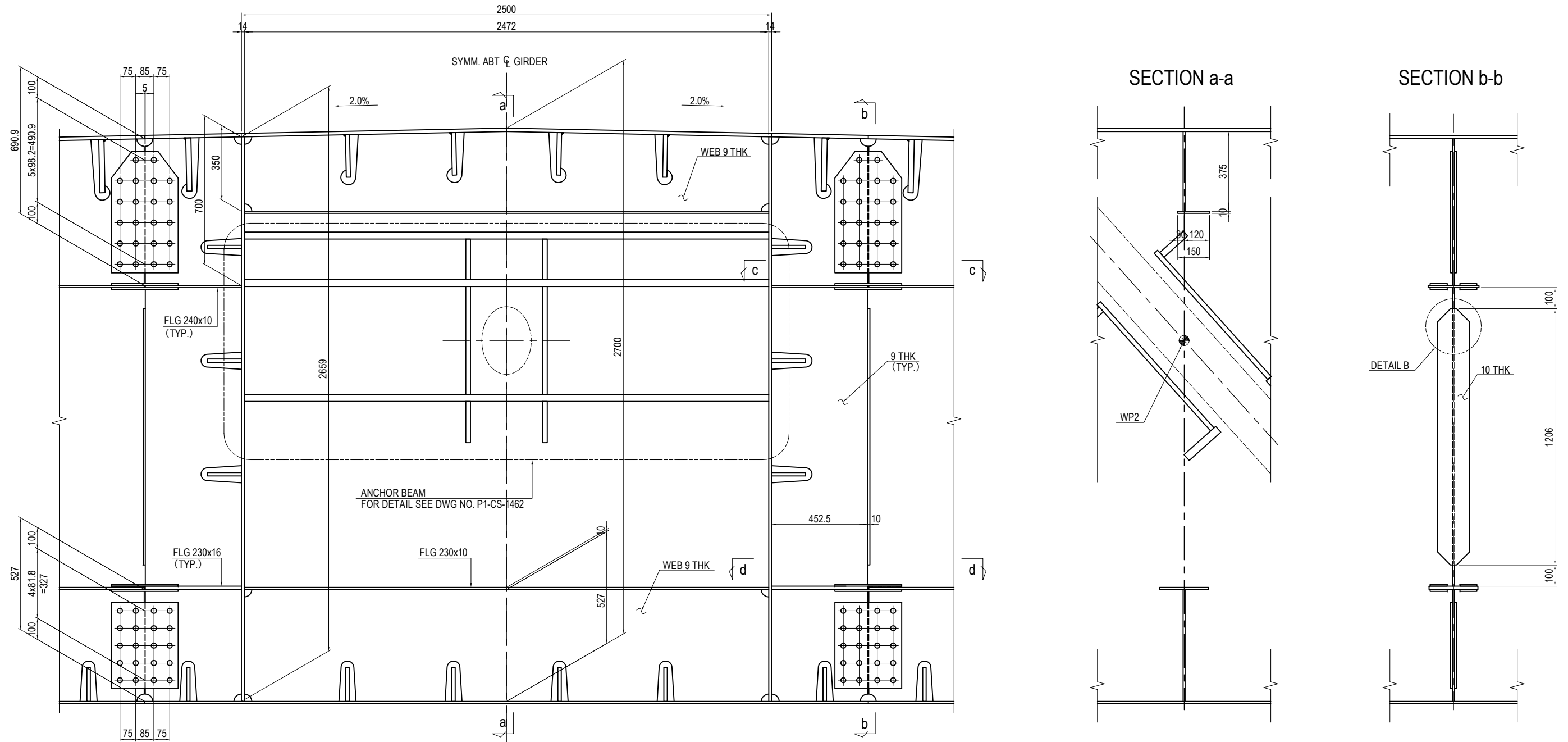
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C12 (4)

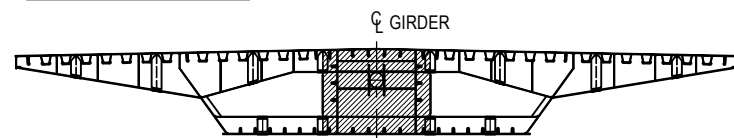
S=1:20

CROSSFRAME R32 SECTION C-C

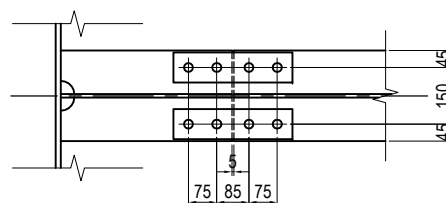
2-WEB PL 453 x 9 x 2659 (SM490YA)
2-FLG PL 150 x 10 x 1206 (SM490YA)
4-FLG PL 116 x 10 x 453 (SM490YA)
4-FLG PL 111 x 16 x 453 (SM490YA)
1-WEB PL 375 x 9 x 2472 (SM490YA)
1-FLG PL 150 x 10 x 2472 (SM490YA)
1-WEB PL 527 x 9 x 2472
1-FLG PL 230x 10 x 2472



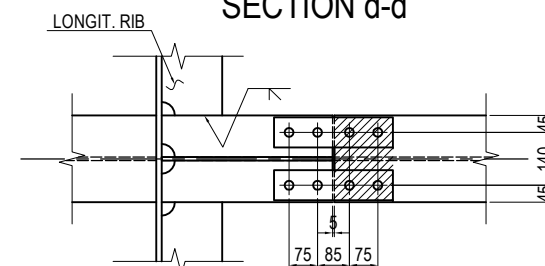
KEY DIAGRAM



SECTION c-c



SECTION d-d



NOTES:

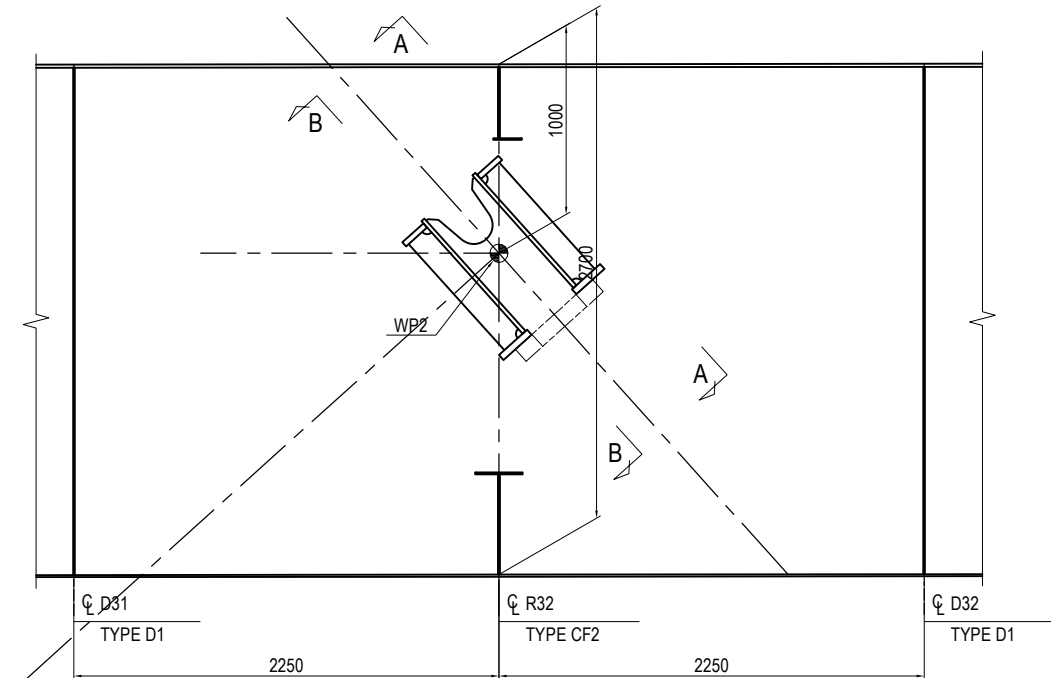
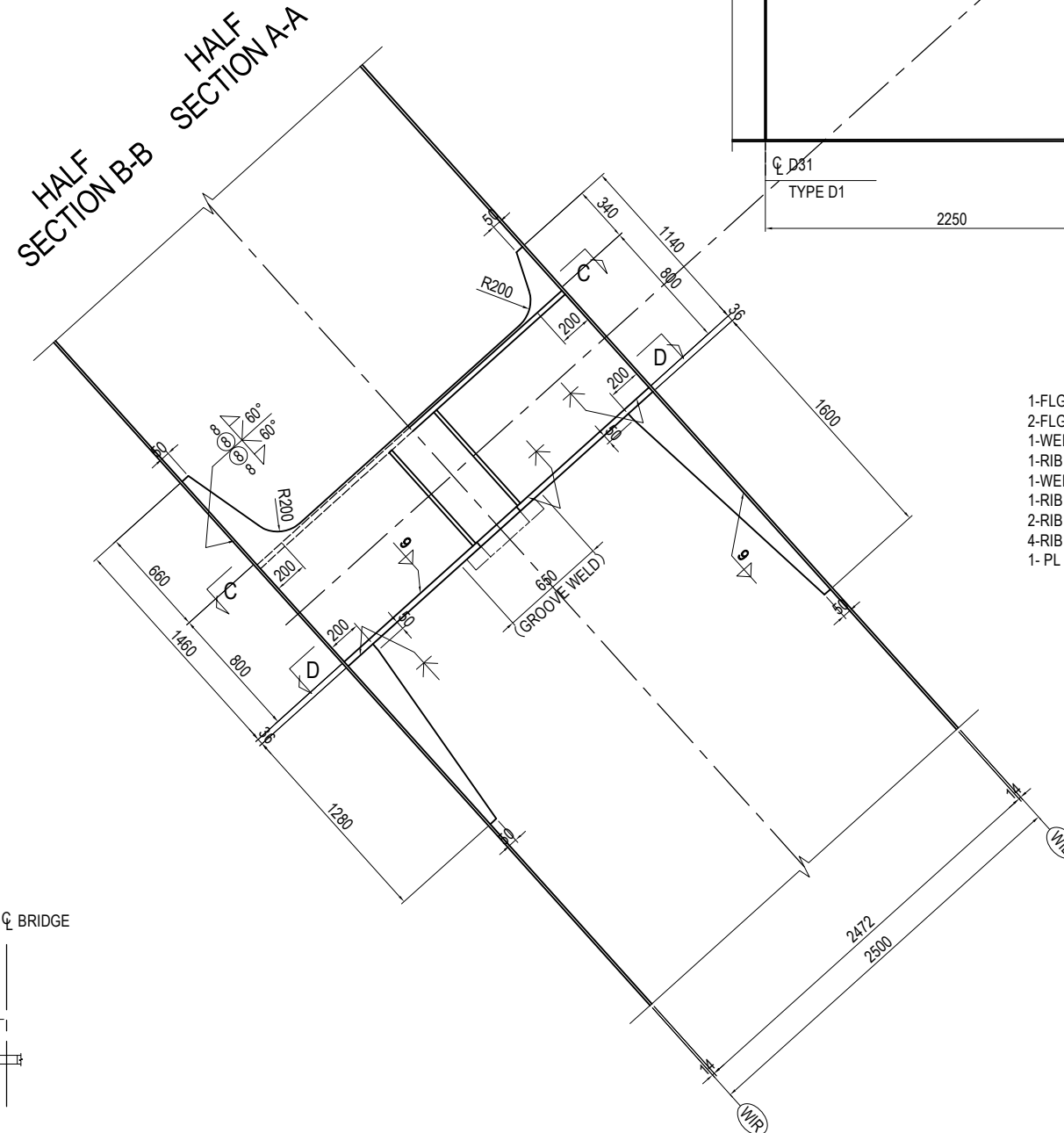
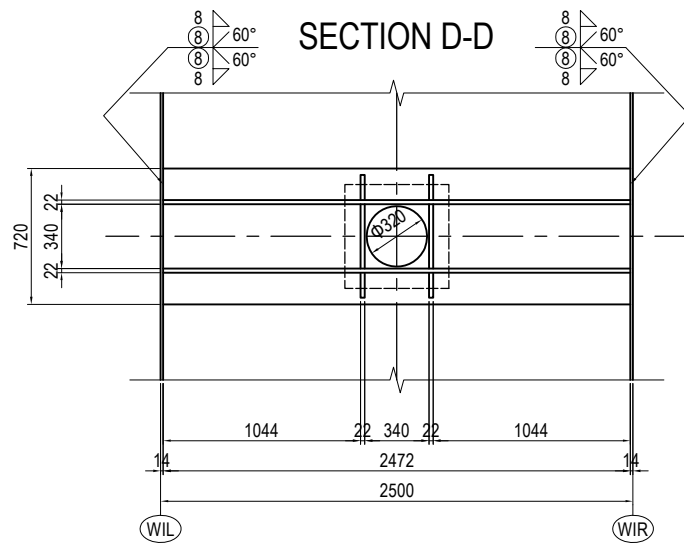
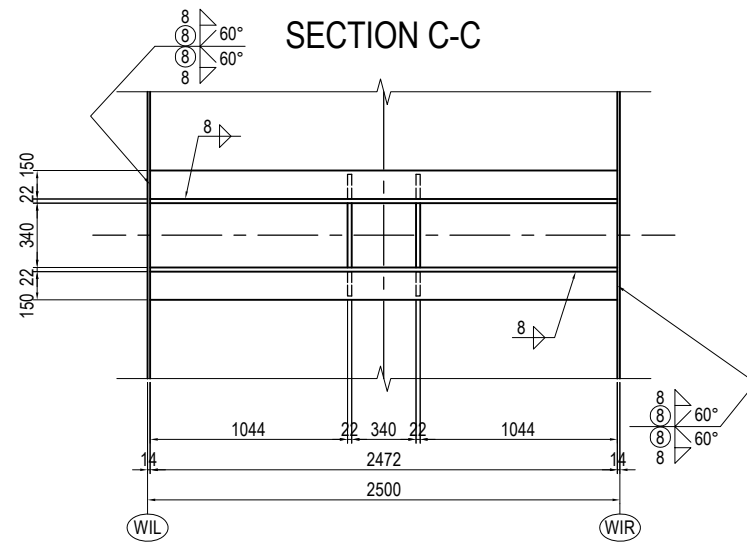
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1458.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (4)	PACKAGE 1 DWG No. P1-CS-1461
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (5)

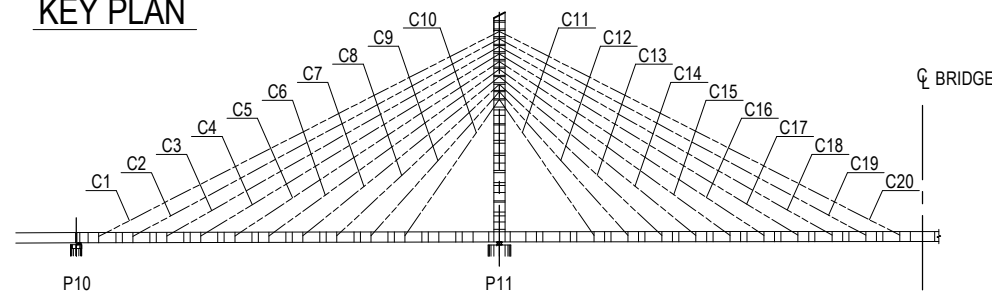
S=1:40

ANCHOR BEAM C12



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1460 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1280(SM490YB)
- 1-WEB PL 1140 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1600(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

KEY PLAN



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1461.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

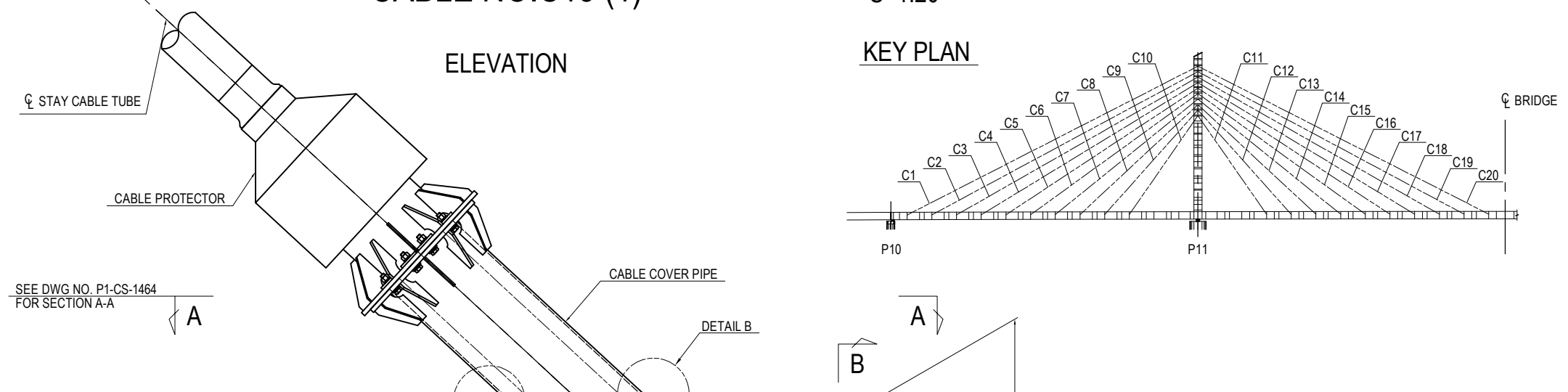
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C12 (5)	PACKAGE 1 DWG No. P1-CS-1462
				PREPARED BY				
				CHECKED BY				
				APPROVED BY				

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (1)

S=1:20

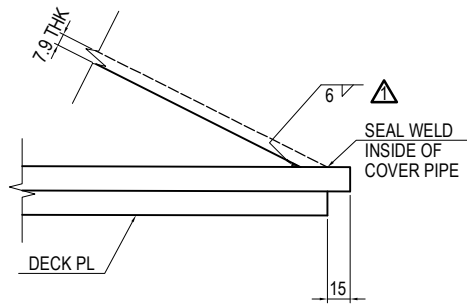
ELEVATION

KEY PLAN



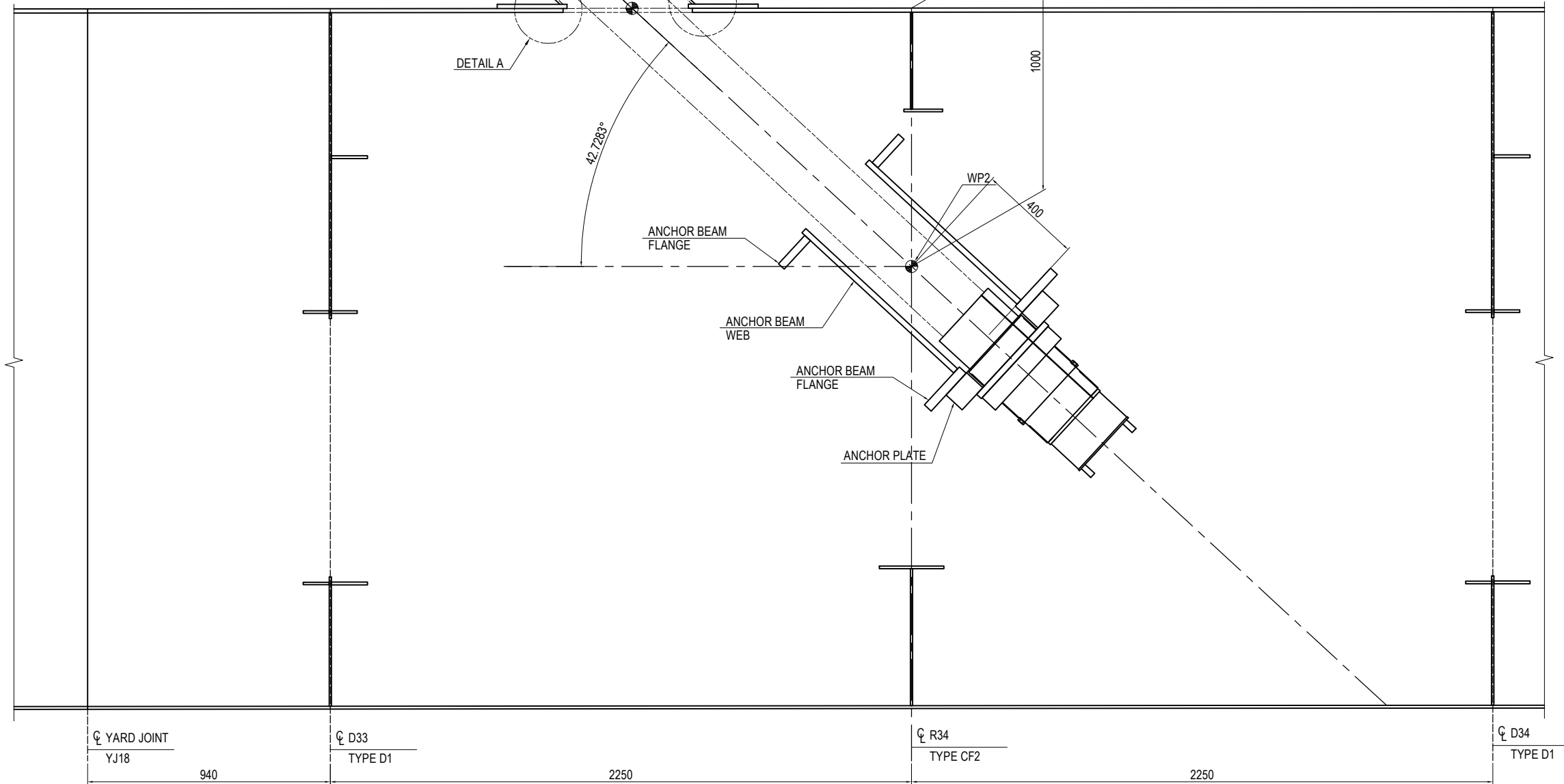
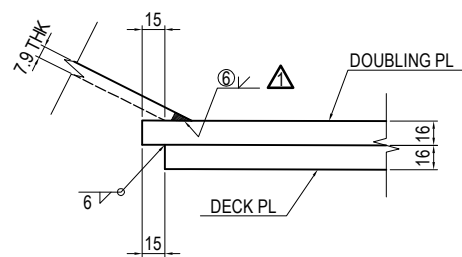
SEE DWG NO. P1-CS-1464
FOR SECTION A-A

DETAIL A S=1:5



TRANSITION SEE DWG NO. P1-CS-1464.

DETAIL B S=1:5



YARD JOINT YJ18 940	D33 TYPE D1 2250	R34 TYPE CF2 2250	D34 TYPE D1
---------------------------	------------------------	-------------------------	----------------

SEE DWG NO. P1-CS-1465
FOR CROSSFRAME SECTION B-B

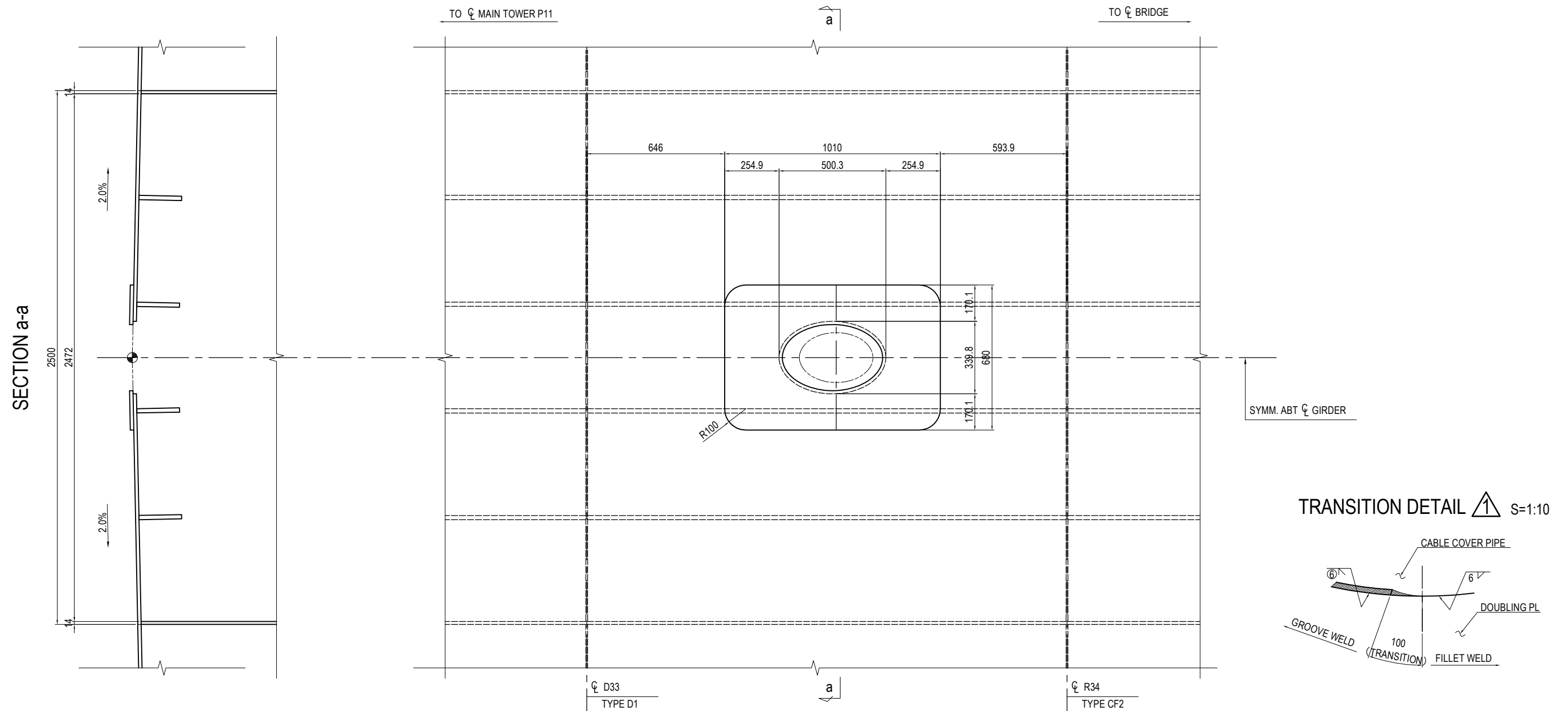
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (1)	PACKAGE
				PREPARED BY T. TOMODA				1
	CHECKED BY T. HAYAKAWA			DWG No.				
	APPROVED BY Y. SANO			P1-CS-1463				

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C13 (2)

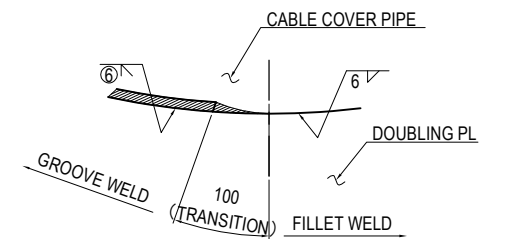
S=1:20

SECTION A-A



- 1-PL 680 x 16 x 1010
- 1-PIPE 355.6 x 7.9 x 950 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

TRANSITION DETAIL S=1:10



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1463.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1464
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

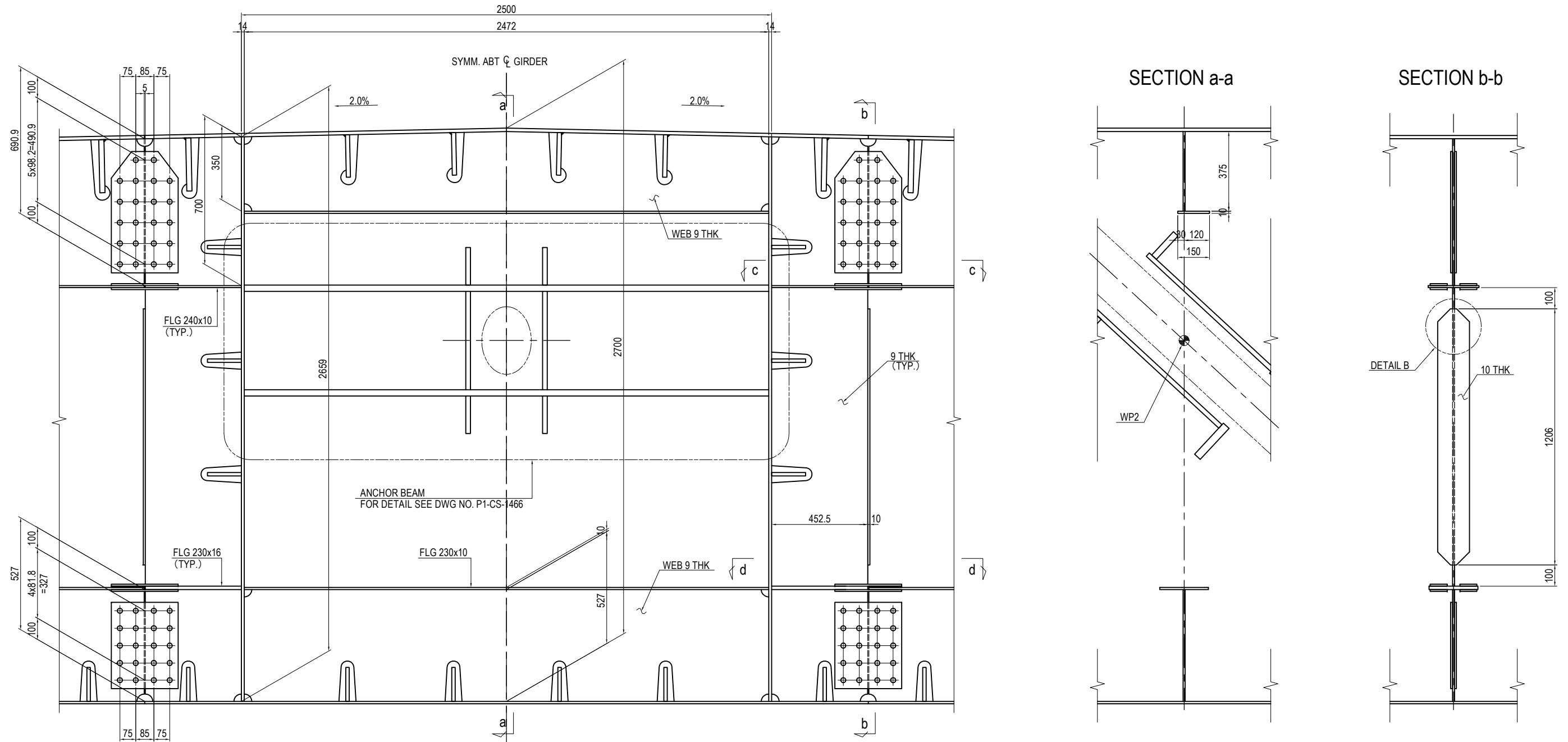
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C13 (3)

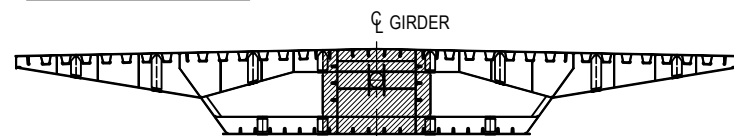
S=1:20

CROSSFRAME R34 SECTION B-B

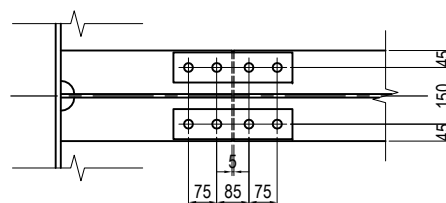
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



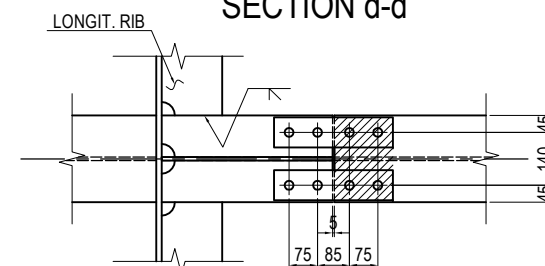
KEY DIAGRAM



SECTION c-c



SECTION d-d



NOTES:

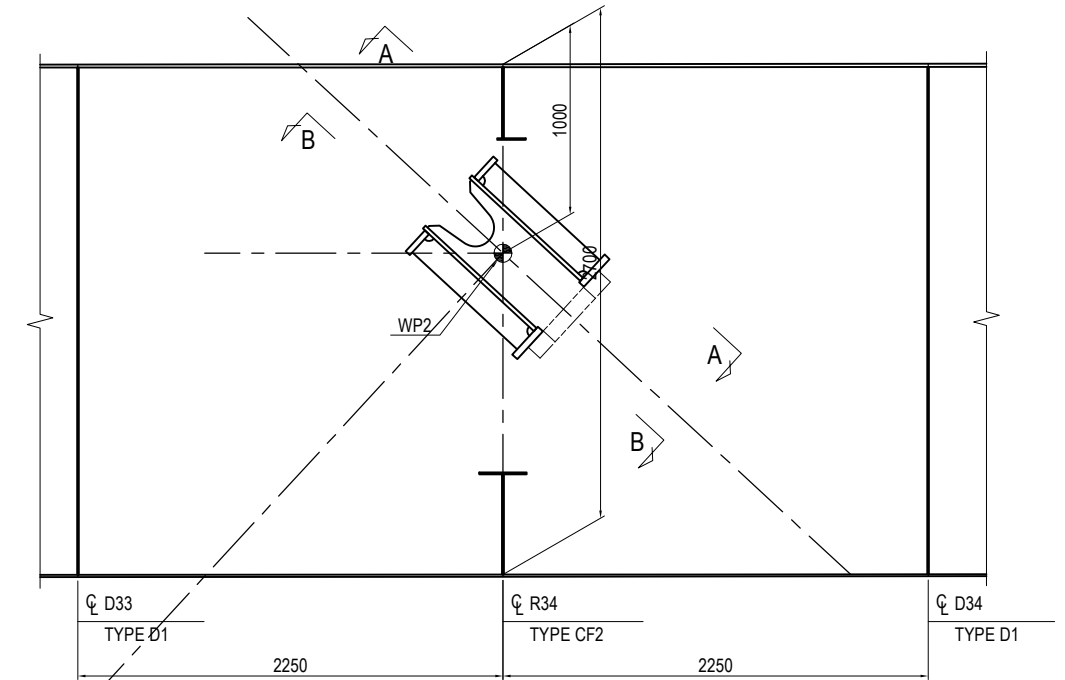
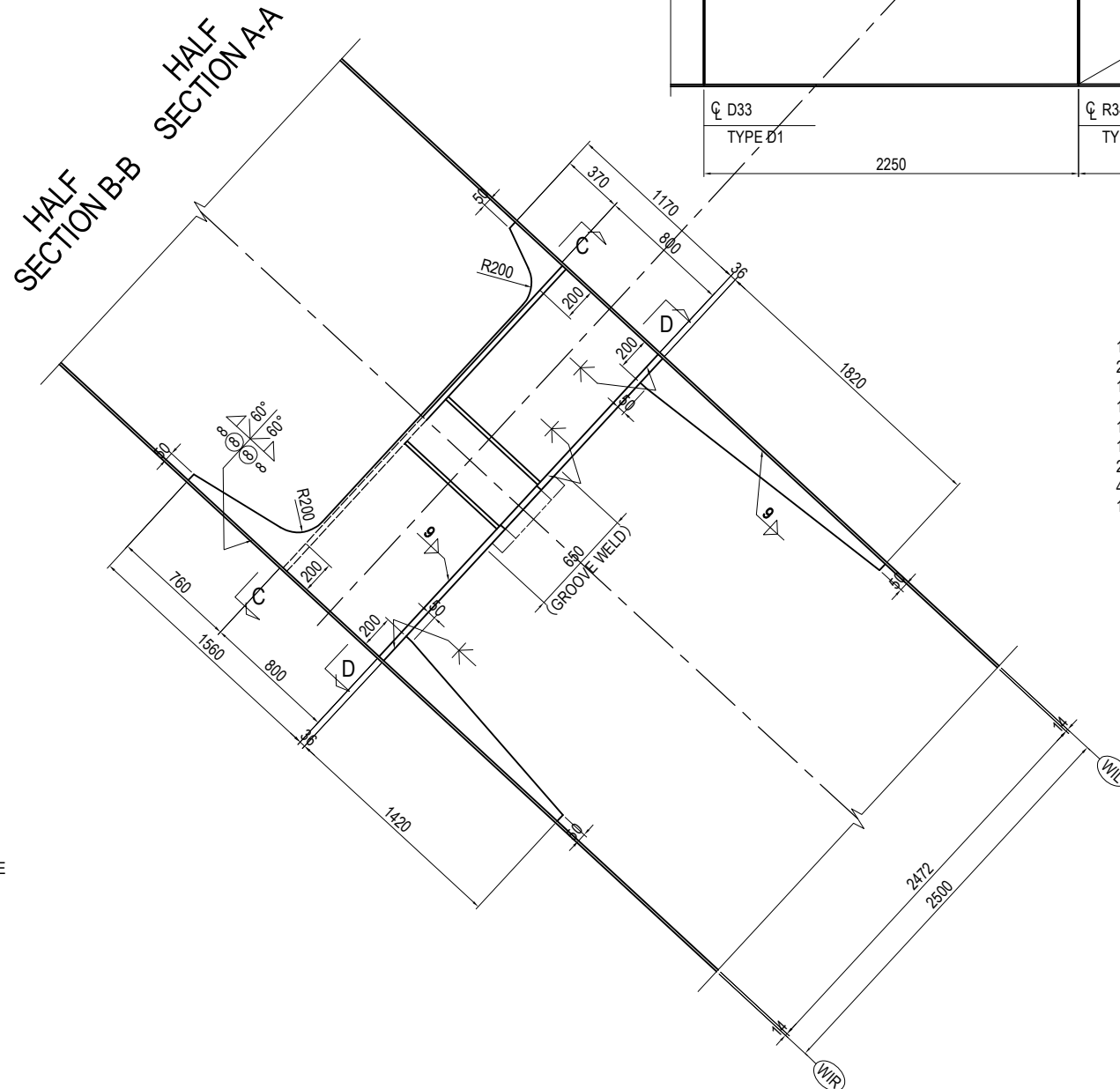
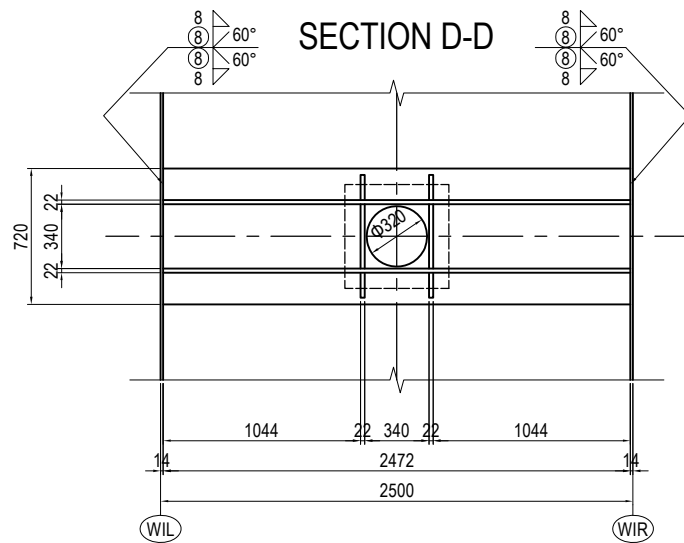
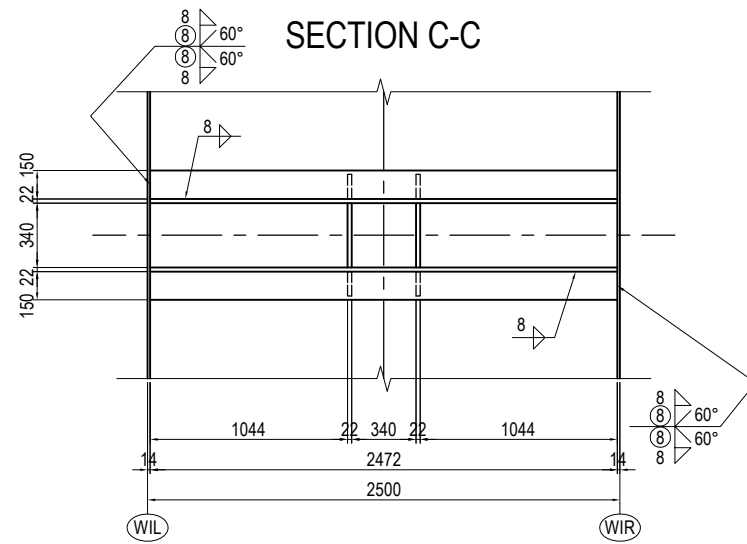
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1463.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1465

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (4)

S=1:40

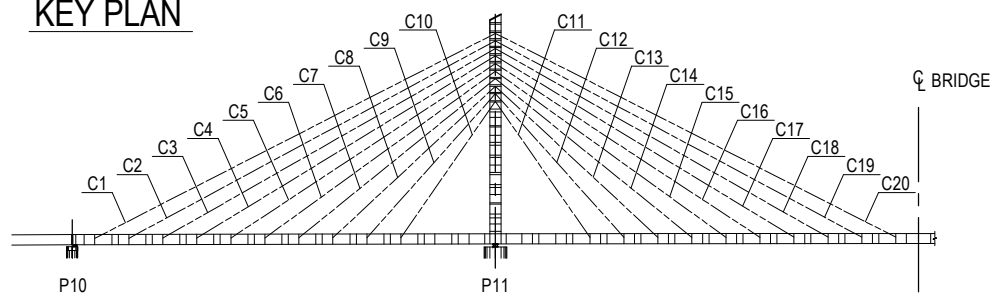
ANCHOR BEAM C13



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1560 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1420(SM490YB)
- 1-WEB PL 1170 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1820(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1465.
 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN



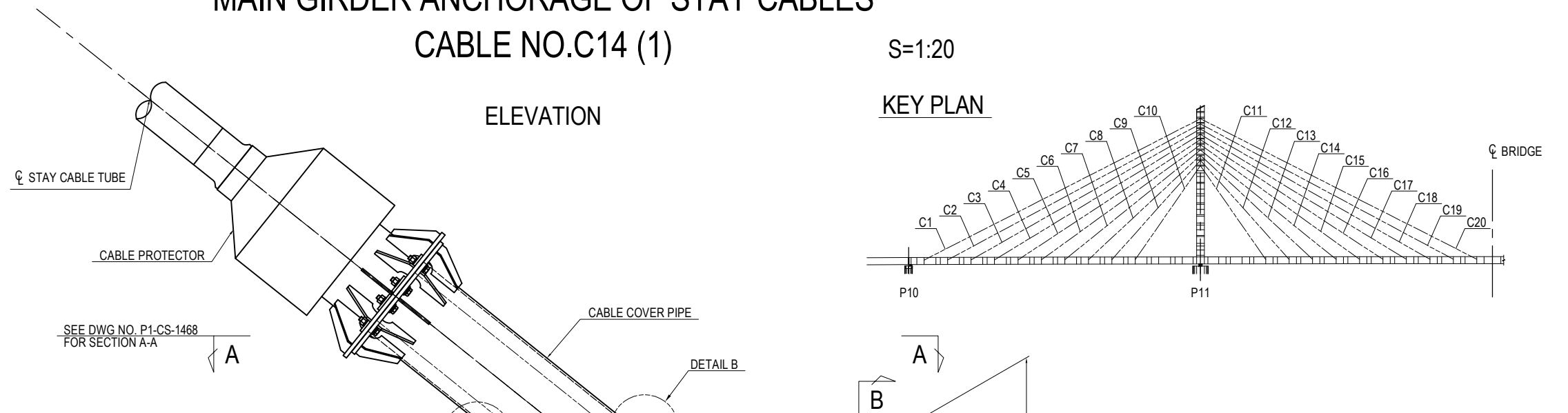
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C13 (4)	PACKAGE 1 DWG No. P1-CS-1466
---	--	---	--	--	-------------------	---	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C14 (1)

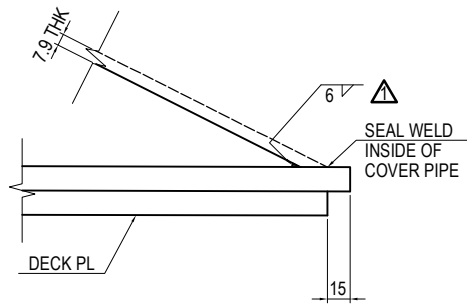
S=1:20

ELEVATION

KEY PLAN

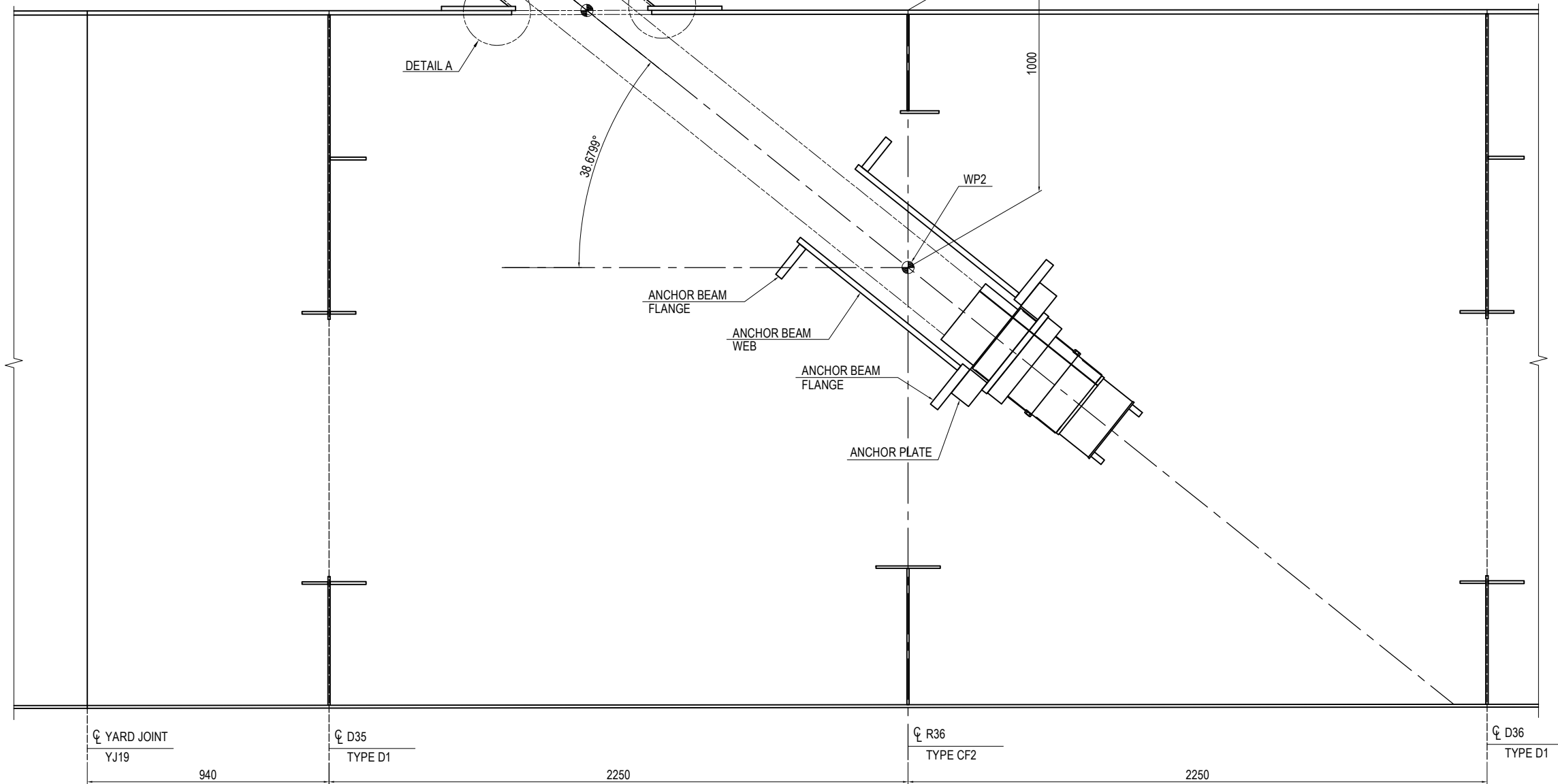
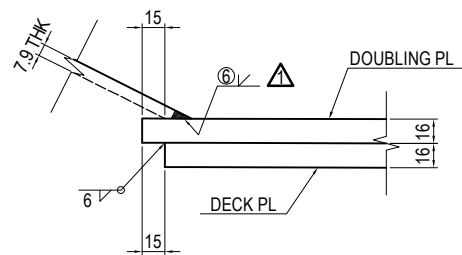


DETAIL A S=1:5



TRANSITION SEE DWG NO. P1-CS-1468.

DETAIL B S=1:5



YARD JOINT
YJ19

940

D35
TYPE D1

2250

R36
TYPE CF2

2250

D36
TYPE D1

B
SEE DWG NO. P1-CS-1469
FOR CROSSFRAME SECTION B-B

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T.TOMODA		
CHECKED BY	T.HAYAKAWA		
APPROVED BY	Y.SANO		

DRAWING TITLE
**MAIN GIRDER ANCHORAGE OF STAY CABLES
CABLE NO.C14 (1)**

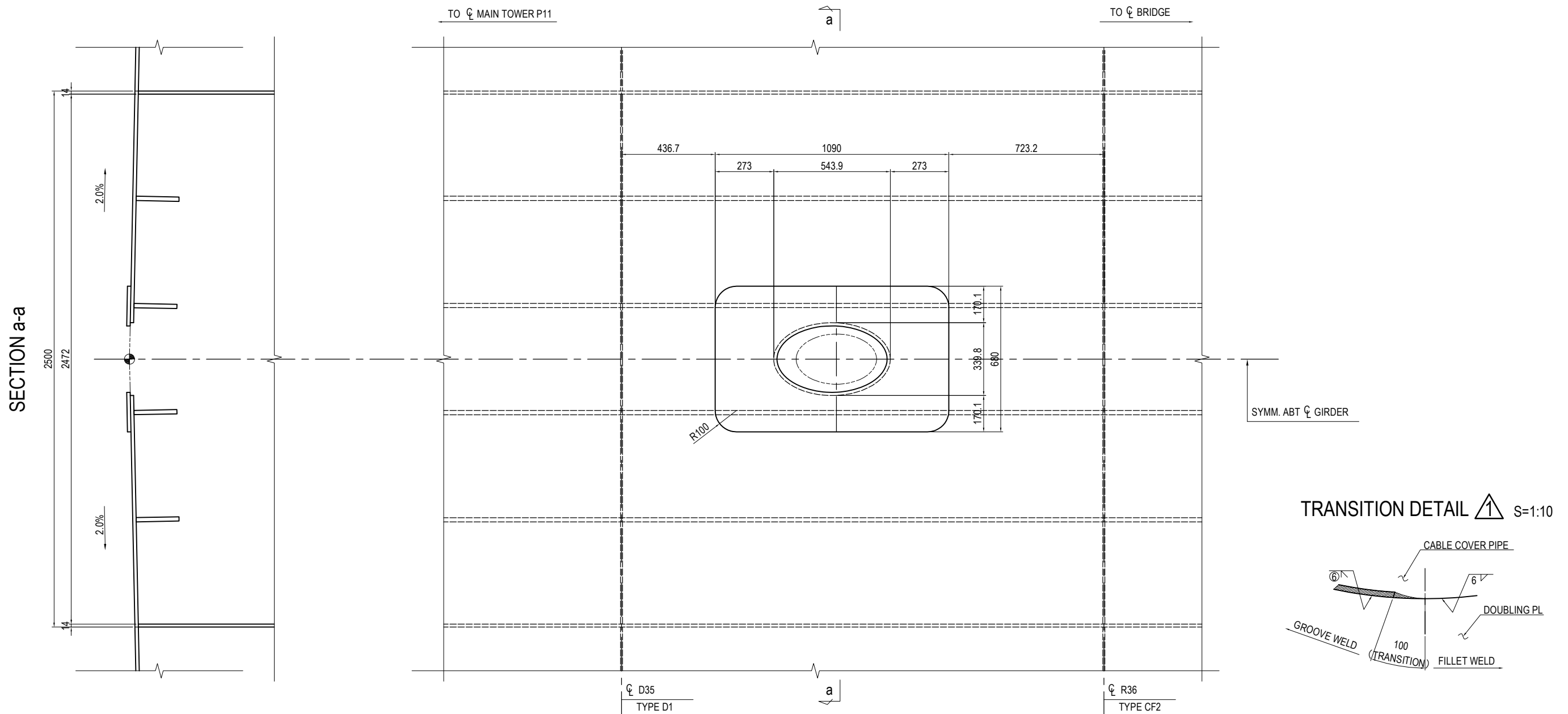
PACKAGE
1
DWG No.
P1-CS-1467

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C14 (2)

S=1:20

SECTION A-A



- 1-PL 680 x 16 x 1090
- 1-PIPE 355.6 x 7.9 x 1044 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1467.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES</h3> <h4 style="text-align: center;">CABLE NO.C14 (2)</h4>	PACKAGE 1 DWG No. P1-CS-1468
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

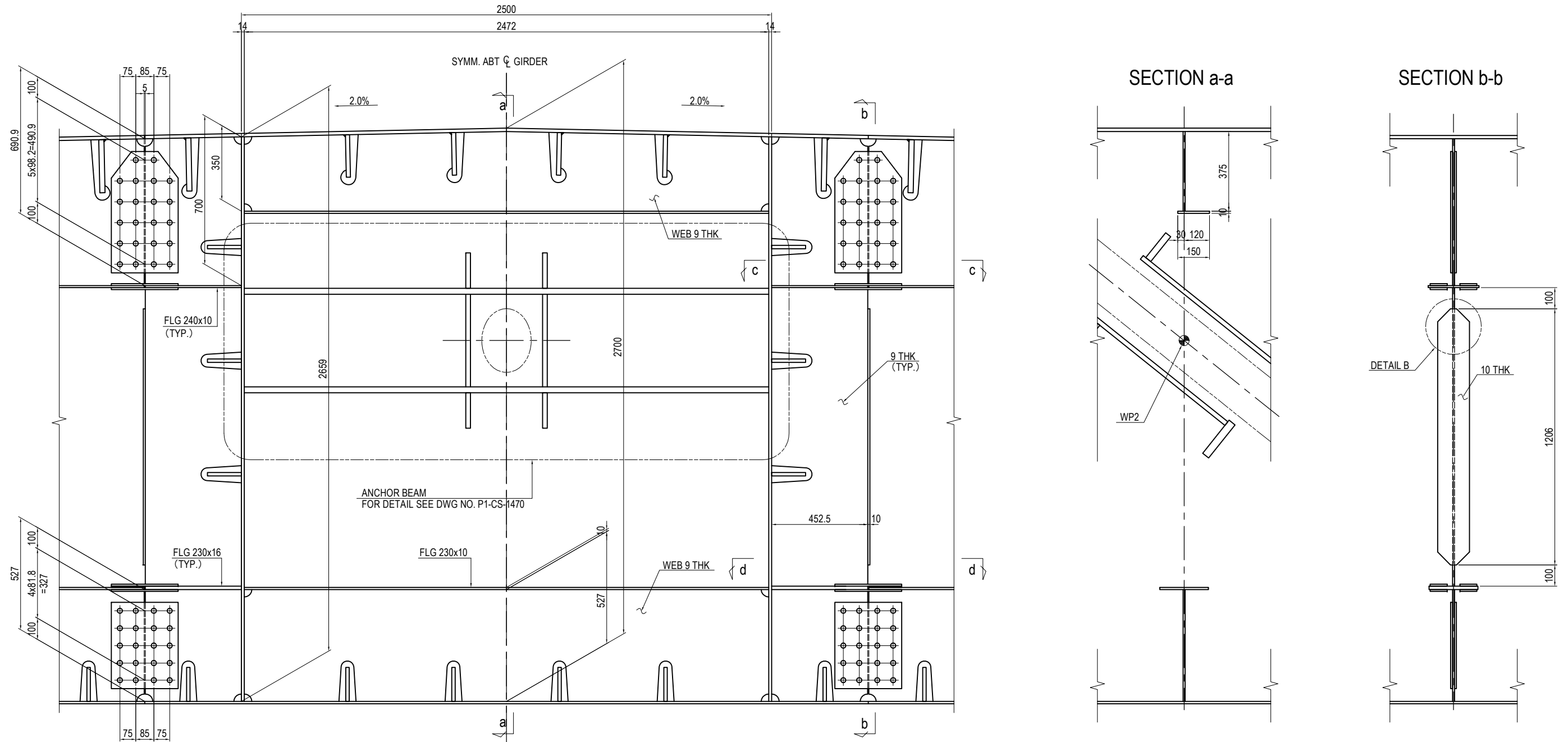
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C14 (3)

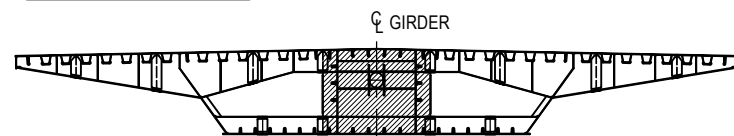
S=1:20

CROSSFRAME R36 SECTION B-B

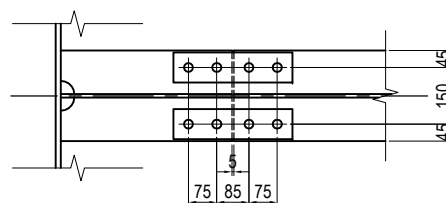
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



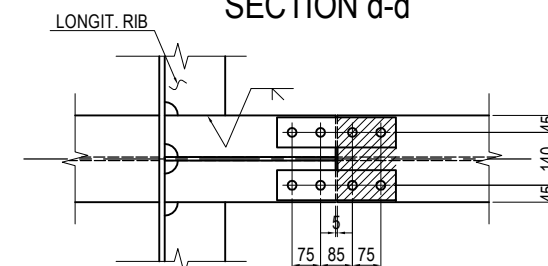
KEY DIAGRAM



SECTION c-c



SECTION d-d



NOTES:

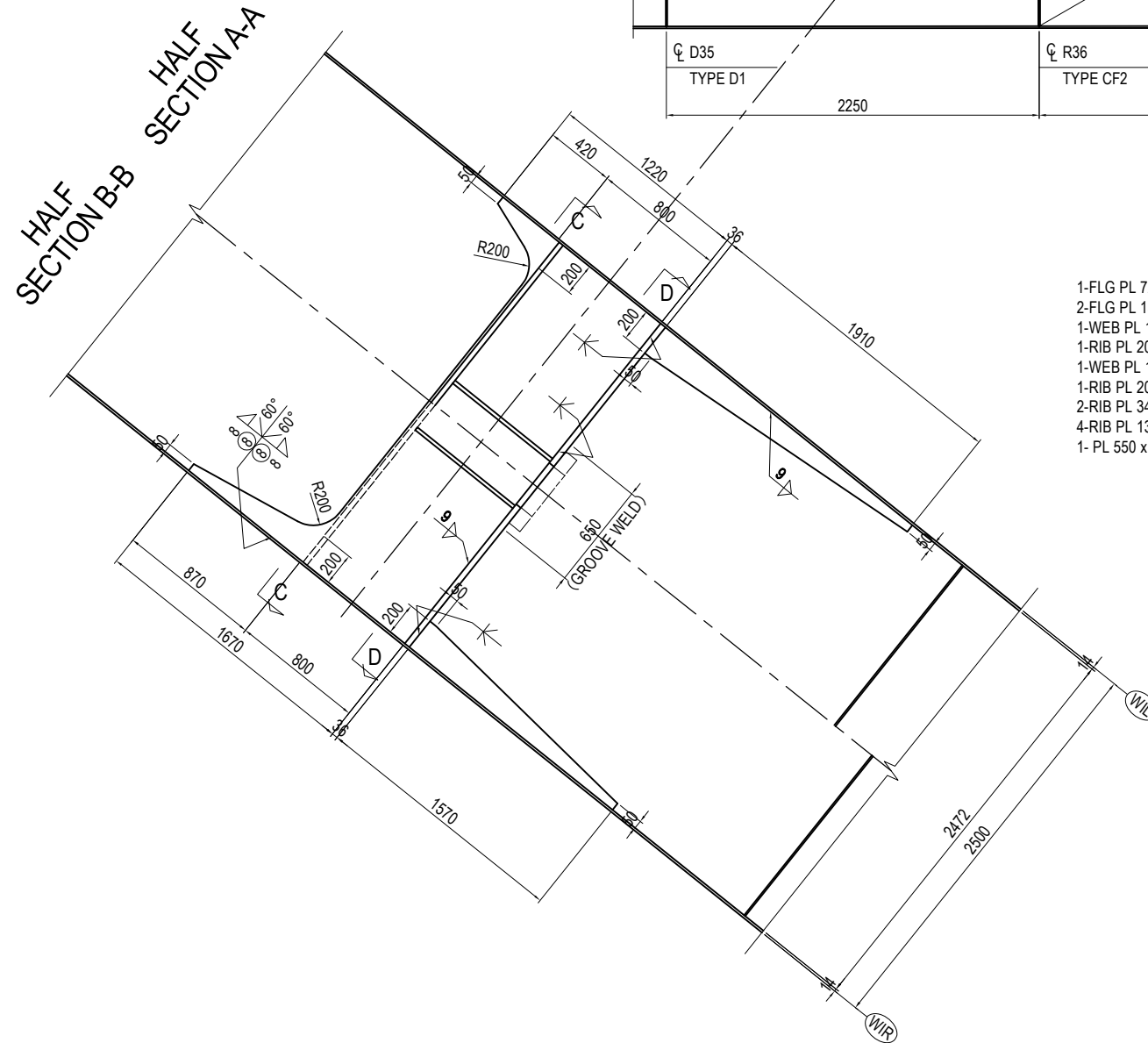
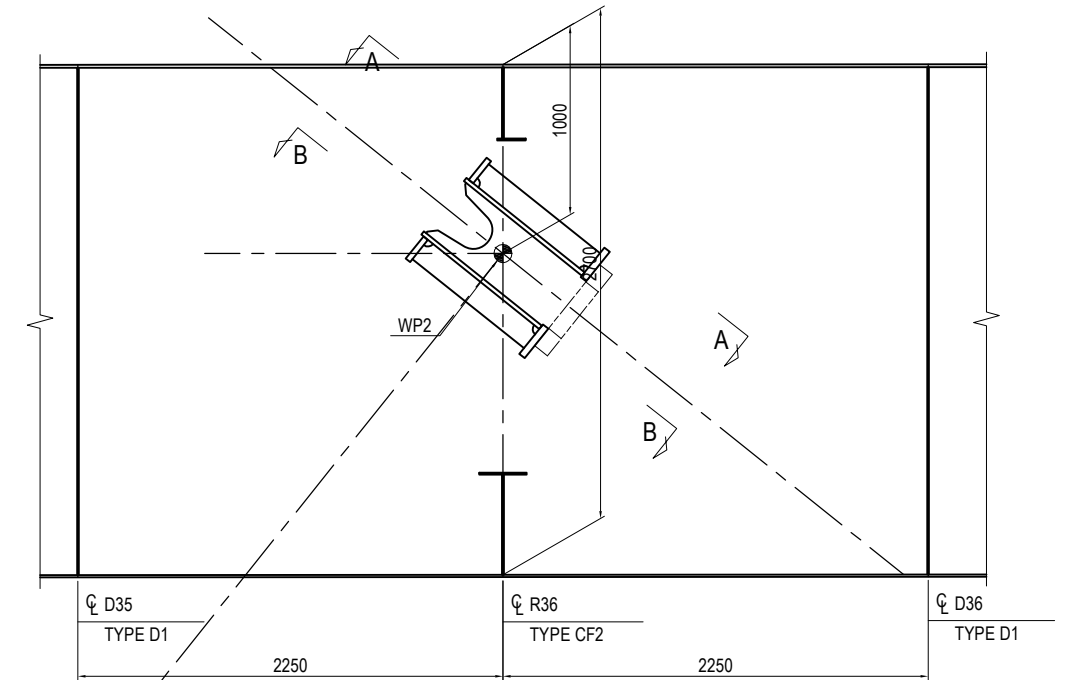
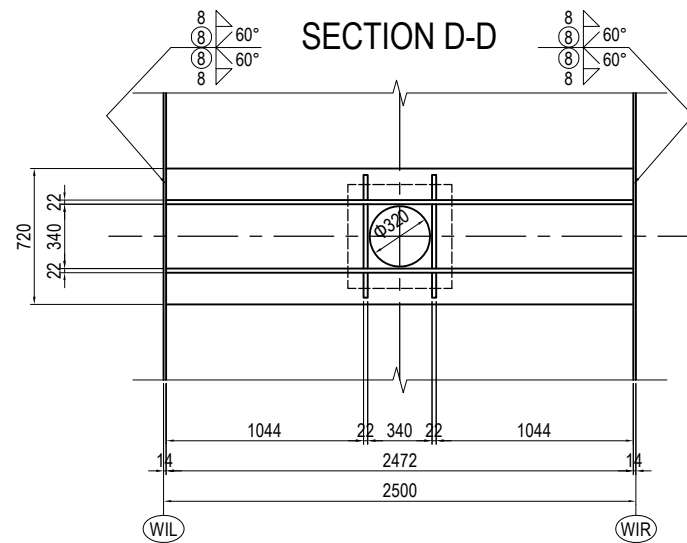
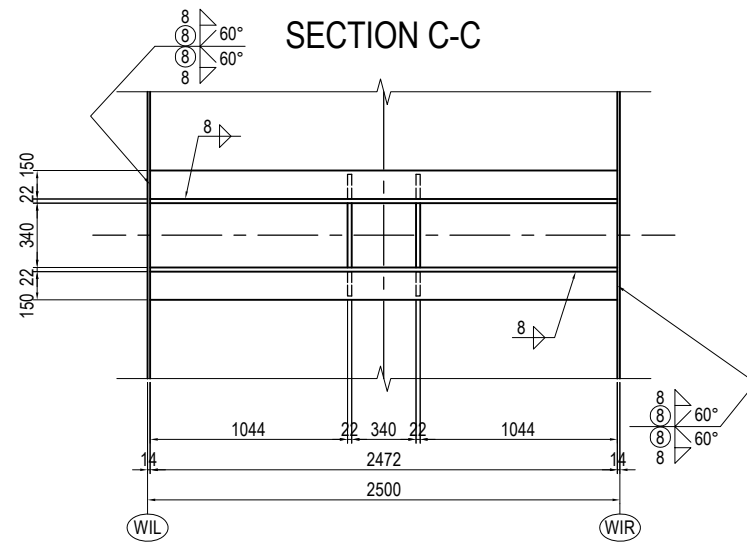
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1467.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C14 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1469

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C14 (4)

S=1:40

ANCHOR BEAM C14

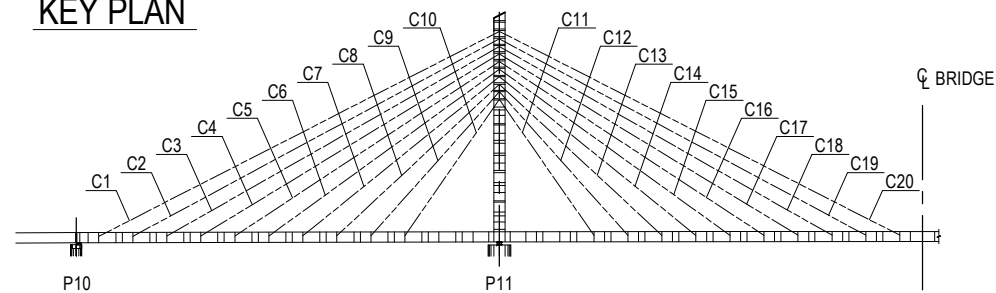


- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1670 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1570(SM490YB)
- 1-WEB PL 1220 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1910(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1469.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

KEY PLAN



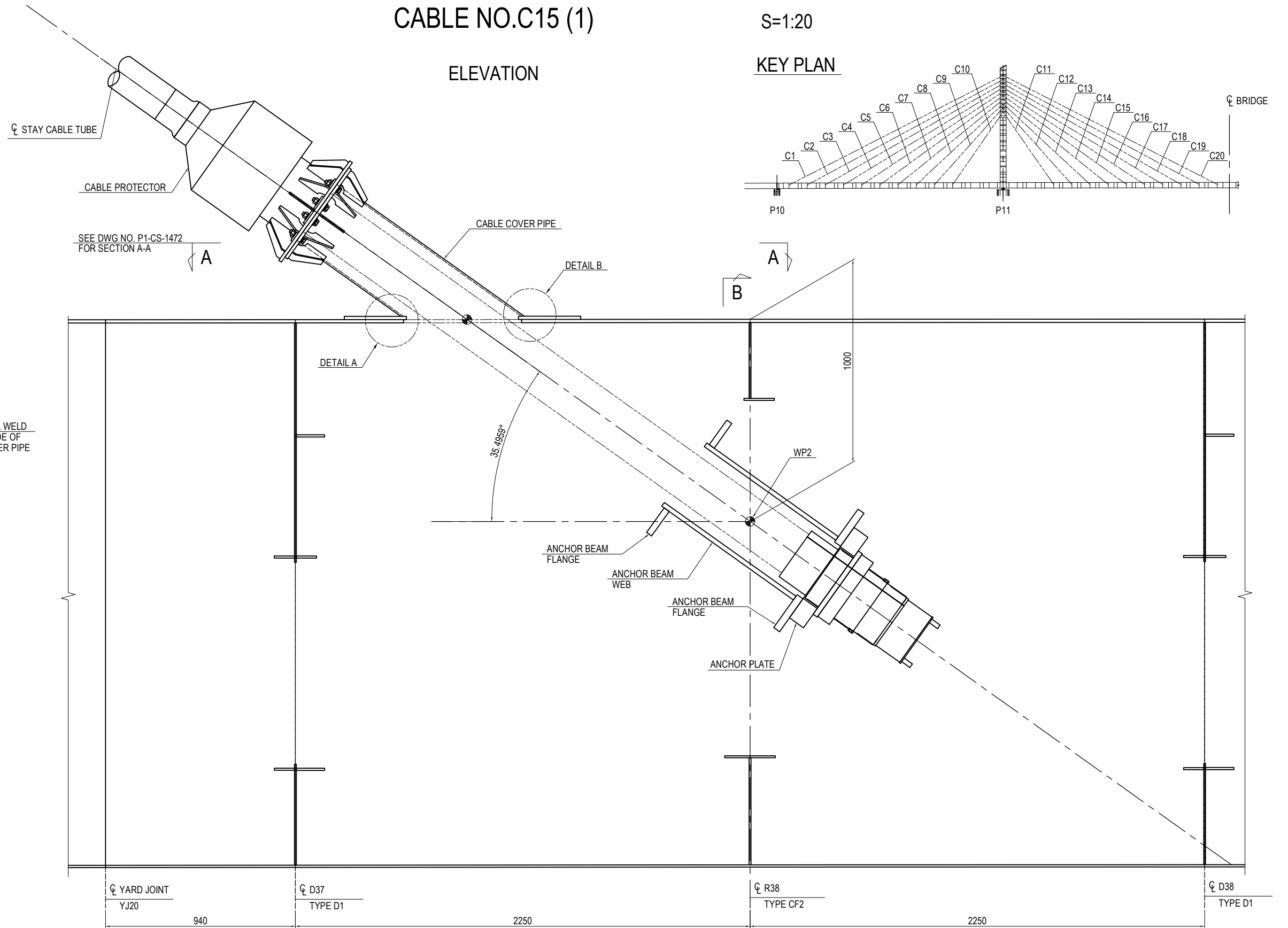
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C14 (4)	PACKAGE 1 DWG No. P1-CS-1470
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (1)

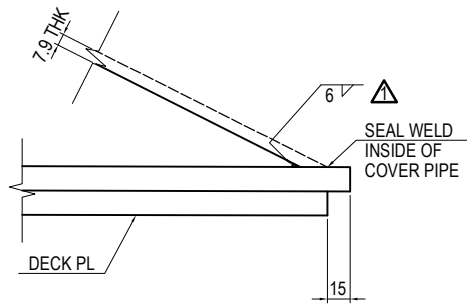
S=1:20

ELEVATION

KEY PLAN

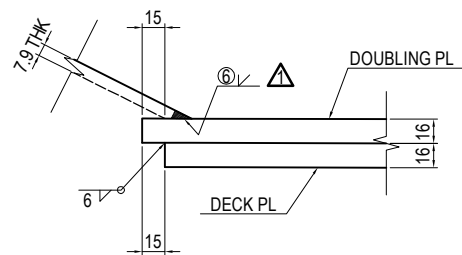


DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1472.

DETAIL B S=1:5



B
SEE DWG NO. P1-CS-1473
FOR CROSSFRAME SECTION B-B

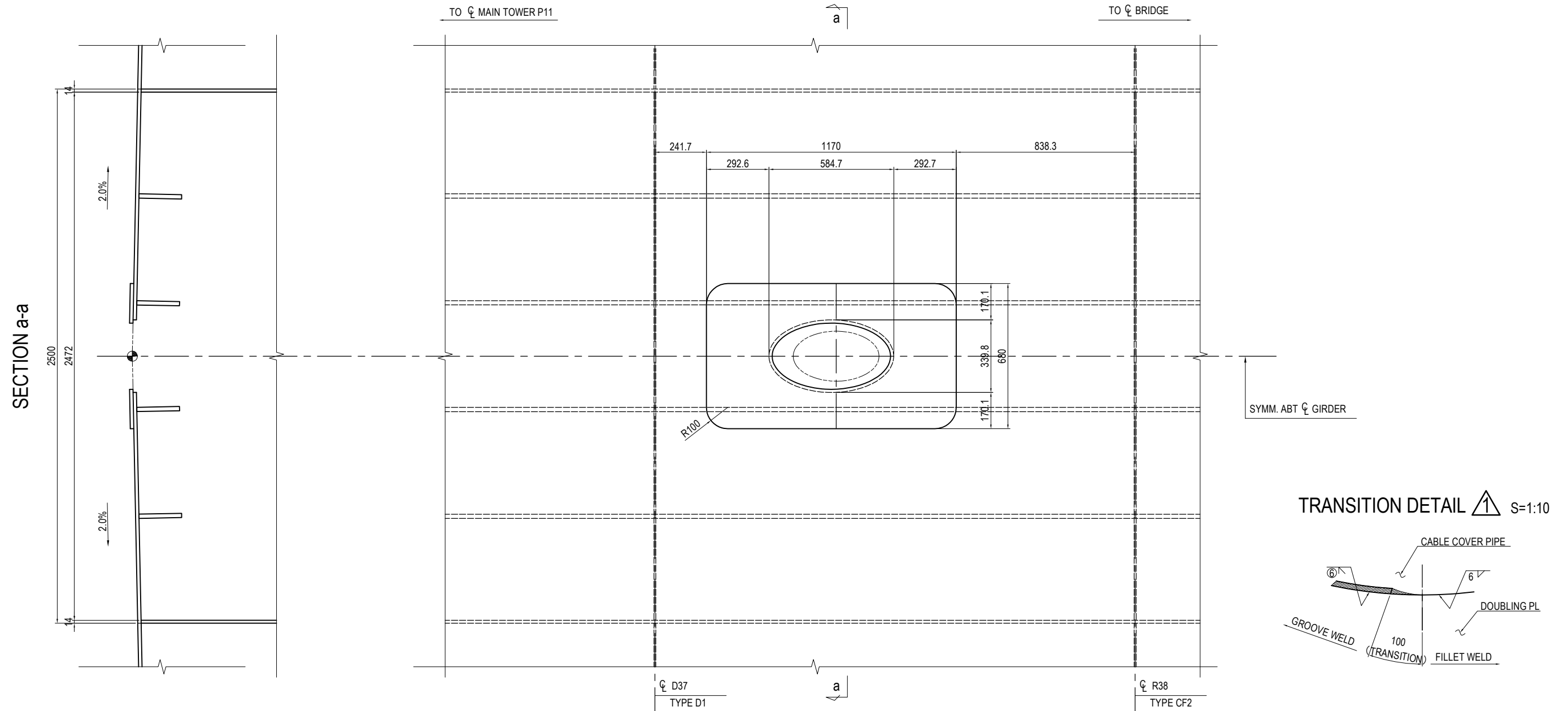
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (1)	<small>PACKAGE</small> 1 <small>DWG No.</small> P1-CS-1471
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C15 (2)

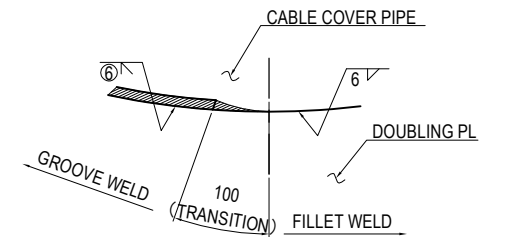
S=1:20

SECTION A-A



- 1-PL 680 x 16 x 1170
- 1-PIPE 355.6 x 7.9 x 1134 (STK400)
- 12-RIB PL 88 x 9 x 150
- 1-FLG PL 544 x 16 x 544

TRANSITION DETAIL △ S=1:10



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1471.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1472
NAME	SIGNATURE	DATE																	
PREPARED BY	T.TOMODA																		
CHECKED BY	T. HAYAKAWA																		
APPROVED BY	Y. SANO																		

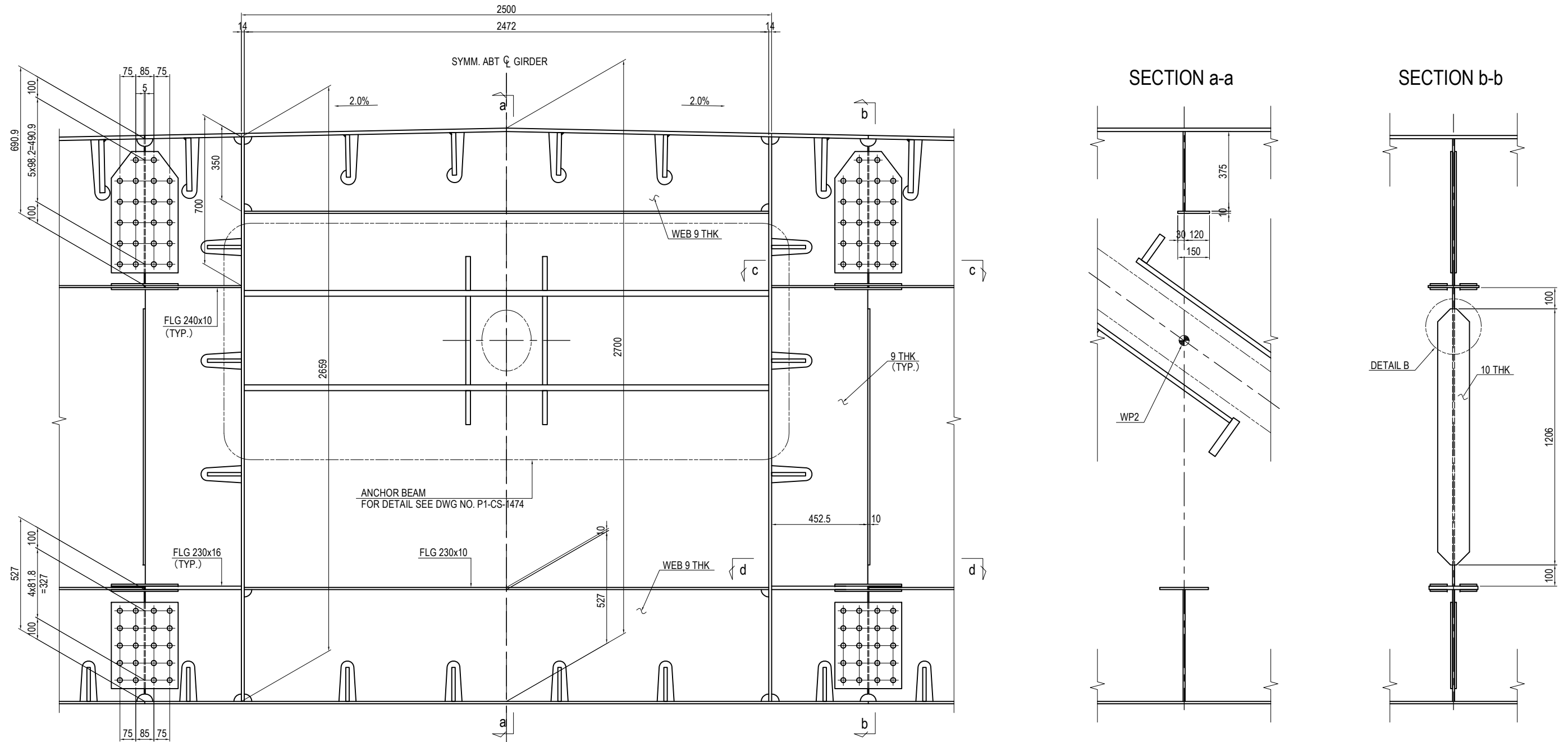
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C15 (3)

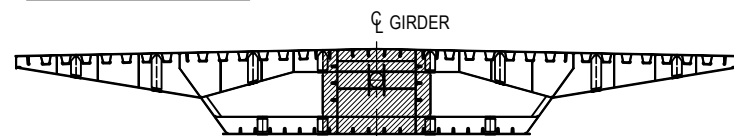
S=1:20

CROSSFRAME R38 SECTION B-B

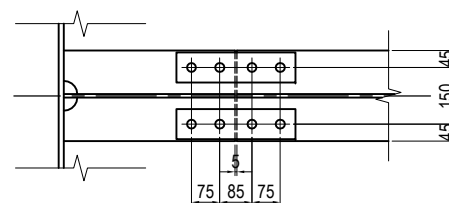
2-WEB PL 453 x 9 x 2659 (SM490YA)
2-FLG PL 150 x 10 x 1206 (SM490YA)
4-FLG PL 116 x 10 x 453 (SM490YA)
4-FLG PL 111 x 16 x 453 (SM490YA)
1-WEB PL 375 x 9 x 2472 (SM490YA)
1-FLG PL 150 x 10 x 2472 (SM490YA)
1-WEB PL 527 x 9 x 2472
1-FLG PL 230x 10 x 2472



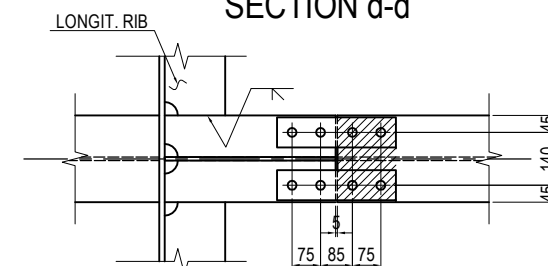
KEY DIAGRAM



SECTION c-c



SECTION d-d



NOTES:

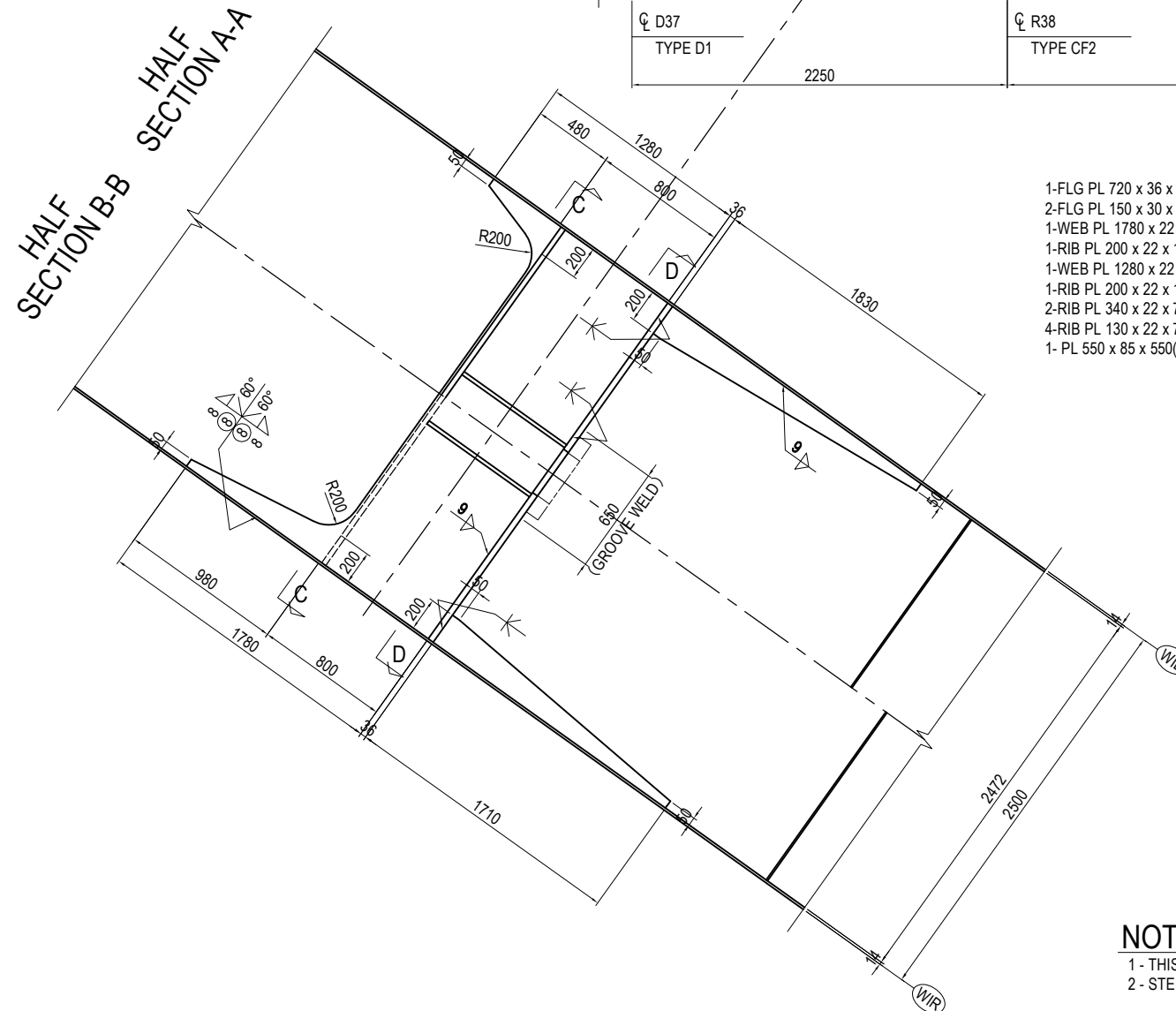
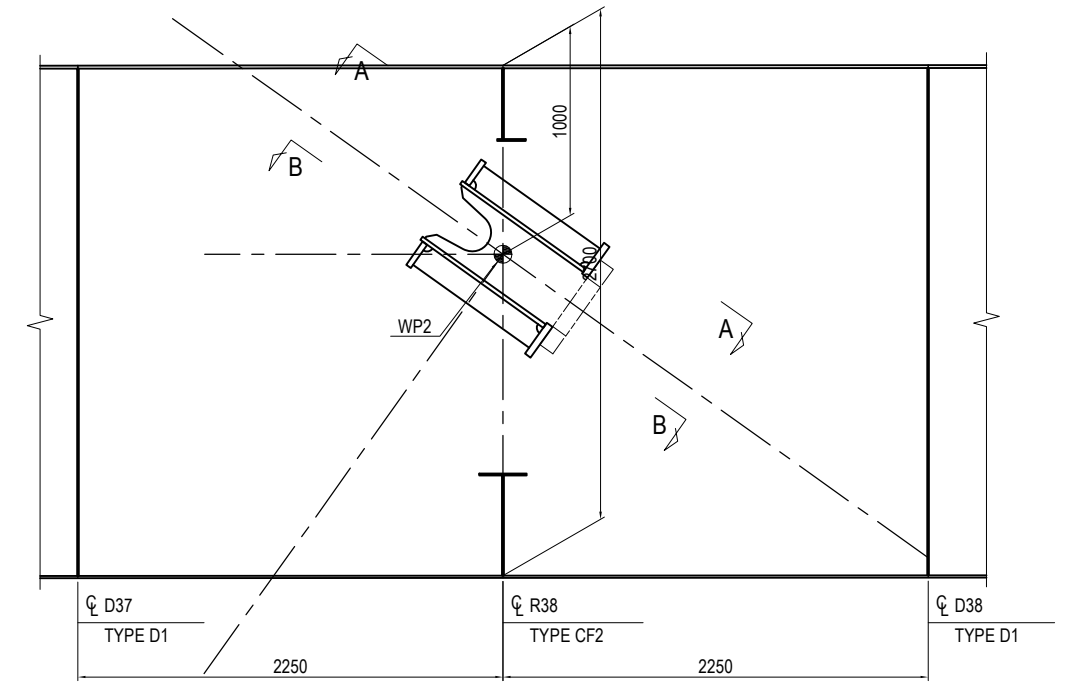
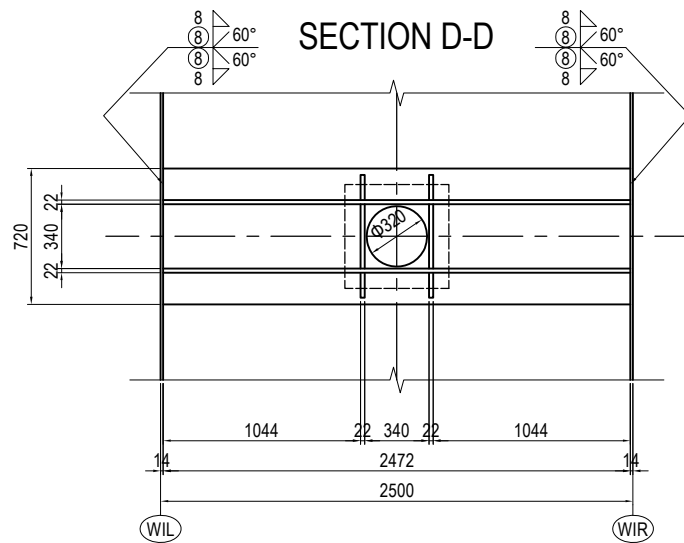
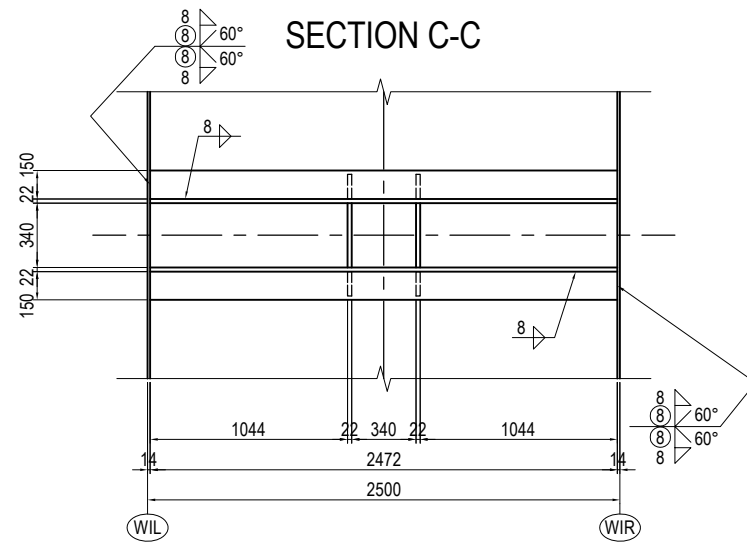
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1471.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
CROSSFRAME TYPE CF1.
- 2 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1473

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (4)

S=1:40

ANCHOR BEAM C15



- 1-FLG PL 720 x 36 x 2472(SM490YB)
- 2-FLG PL 150 x 30 x 2472(SM490YB)
- 1-WEB PL 1780 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1710(SM490YB)
- 1-WEB PL 1280 x 22 x 2472(SM490YB)
- 1-RIB PL 200 x 22 x 1830(SM490YB)
- 2-RIB PL 340 x 22 x 785(SM490YB)
- 4-RIB PL 130 x 22 x 755(SM490YB)
- 1- PL 550 x 85 x 550(SM400C-H)

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1473.
 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

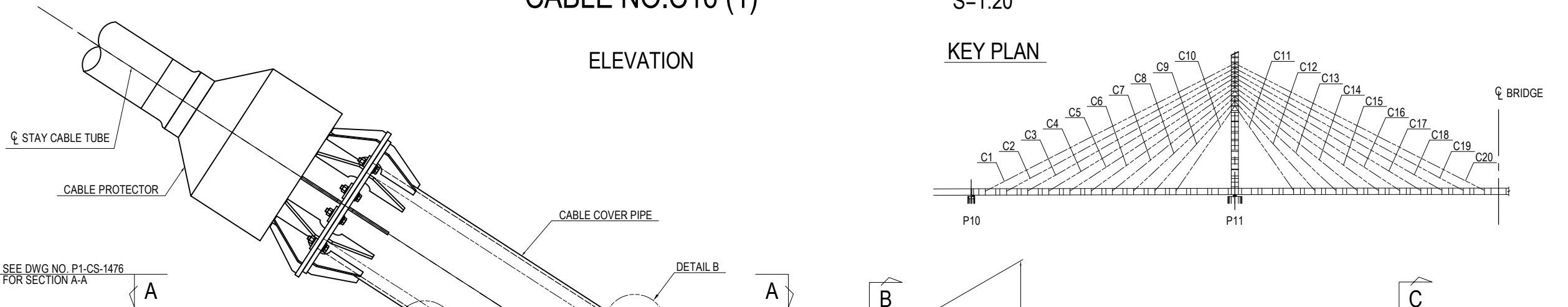
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA T.HAYAKAWA Y.SANO	SIGNATURE DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C15 (4)	PACKAGE 1 DWG No. P1-CS-1474
---	--	---	--	--	-------------------	---	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (1)

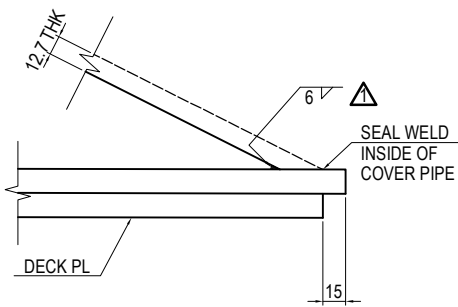
S=1:20

ELEVATION

KEY PLAN

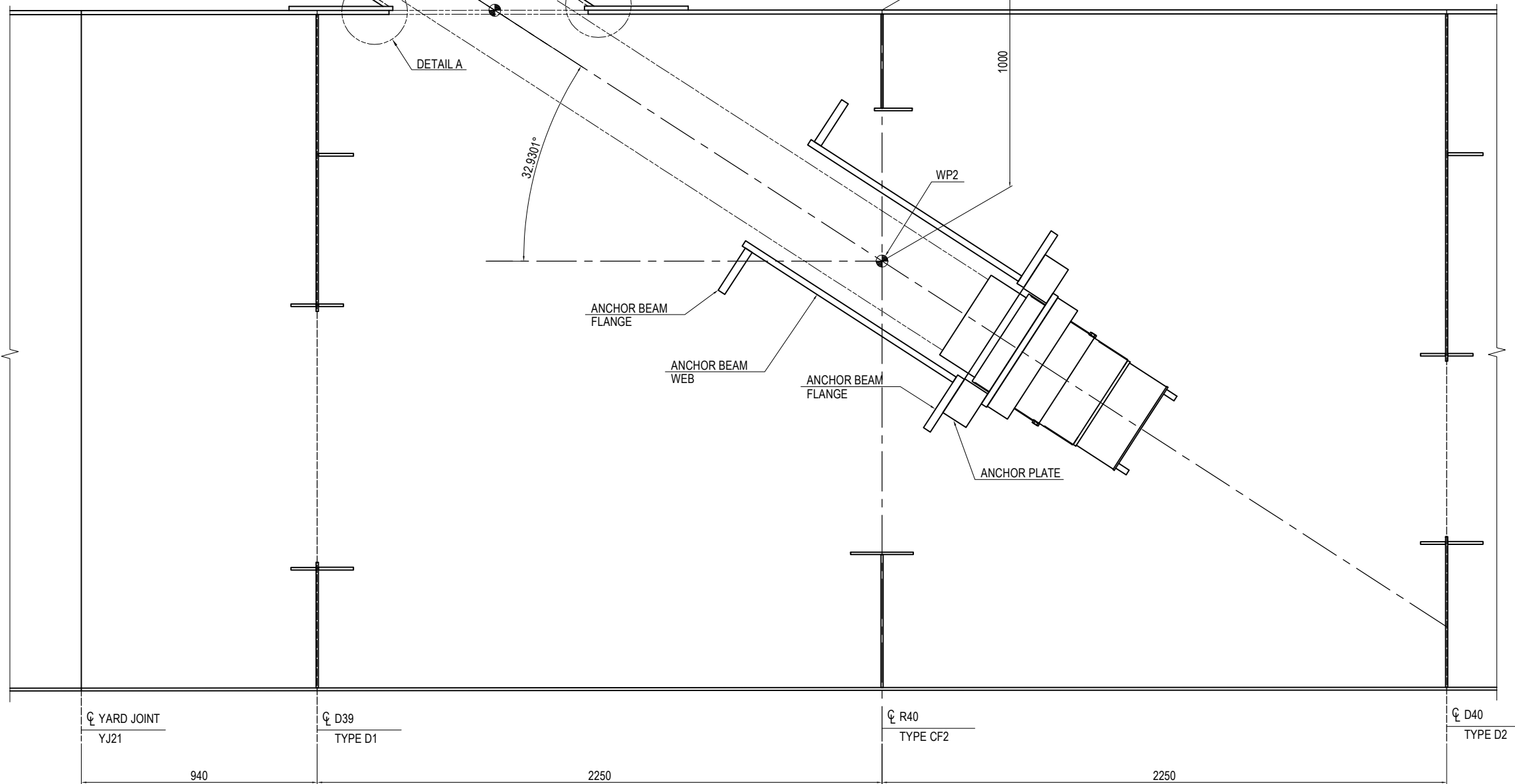
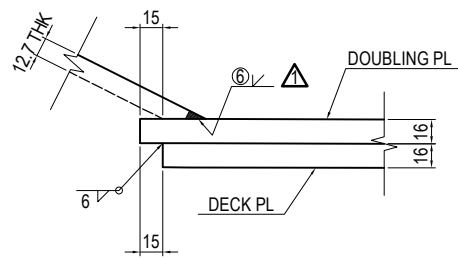


DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1476.

DETAIL B S=1:5



YARD JOINT
YJ21

D39
TYPE D1

R40
TYPE CF2

D40
TYPE D2

940

2250

2250

B

SEE DWG NO. P1-CS-1477
FOR CROSSFRAME SECTION C-C

C

SEE DWG NO. P1-CS-1478
FOR DIAPHRAGM SECTION D-D

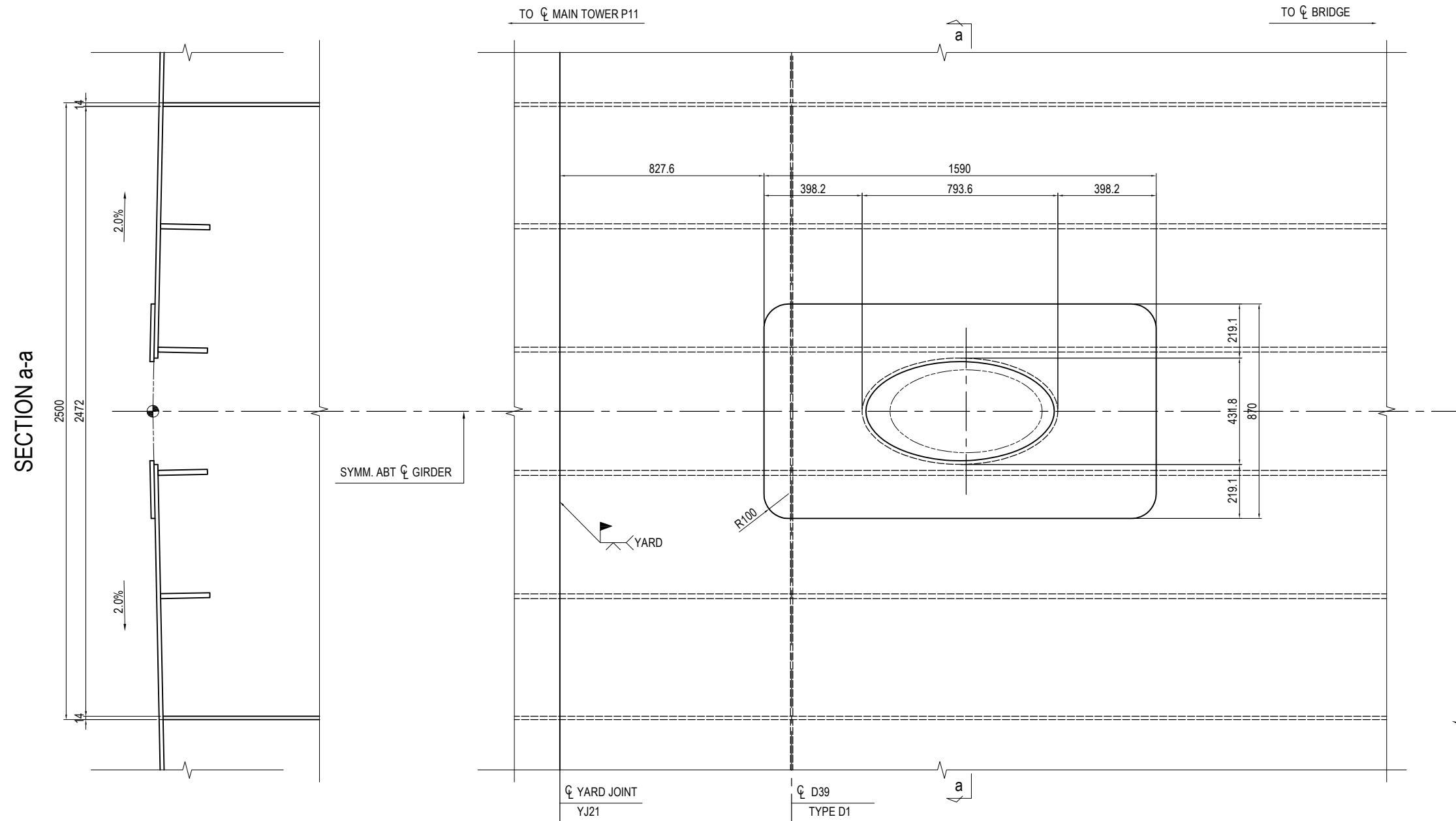
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (1)</p>	<p>PACKAGE</p> <p style="text-align: center;">1</p> <p>DWG No. P1-CS-1475</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

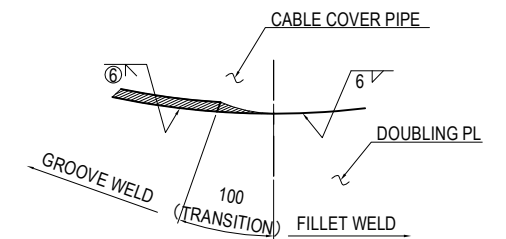
CABLE NO.C16 (2)

S=1:20

SECTION A-A



TRANSITION DETAIL \triangle S=1:10



- 1-PL 870 x 16 x 1590
- 1-PIPE 457.2 x 12.7 x 1298 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1475.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1476
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

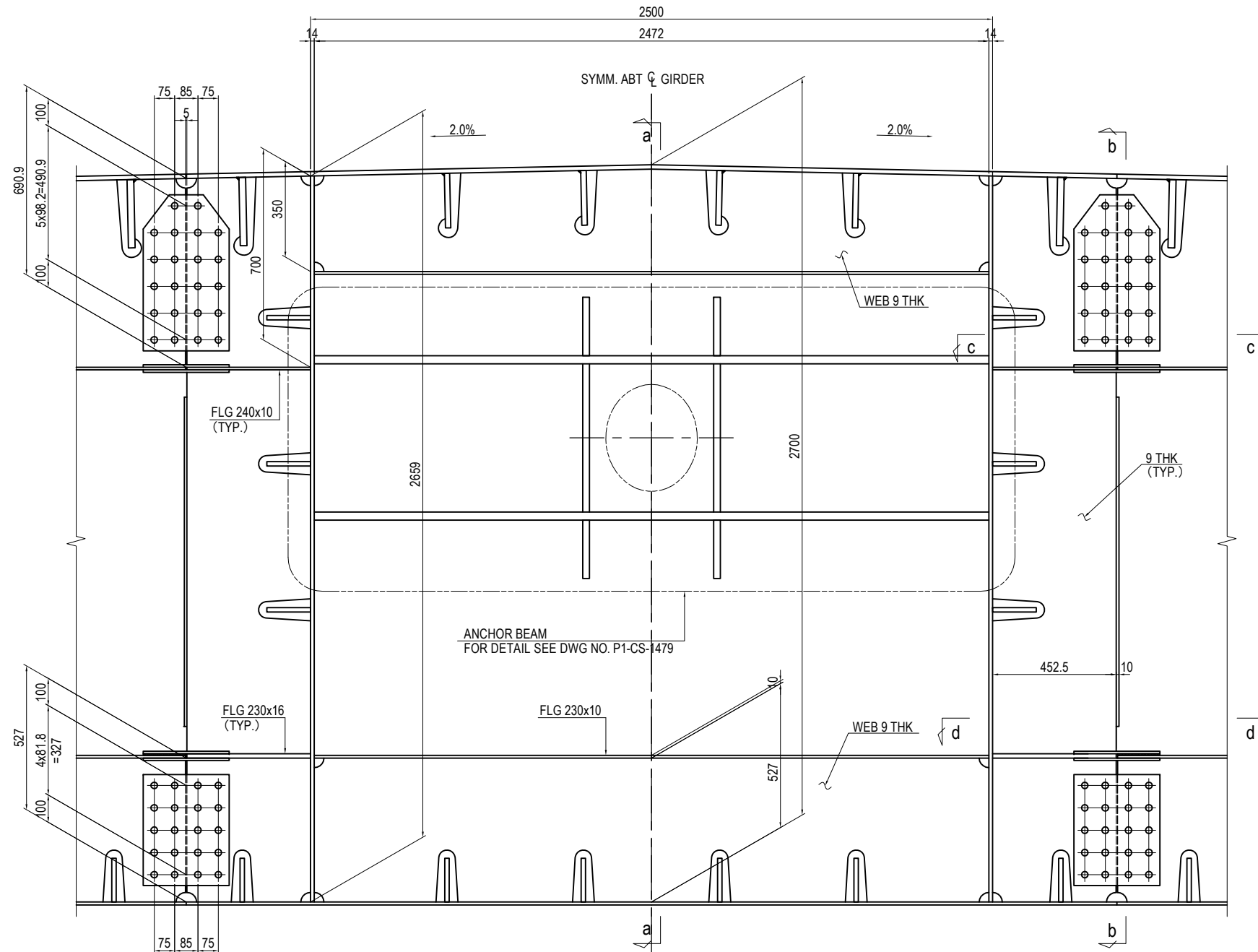
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C16 (3)

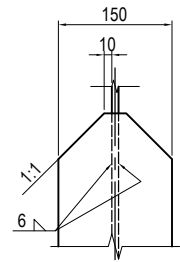
S=1:20

CROSSFRAME R40 SECTION B-B

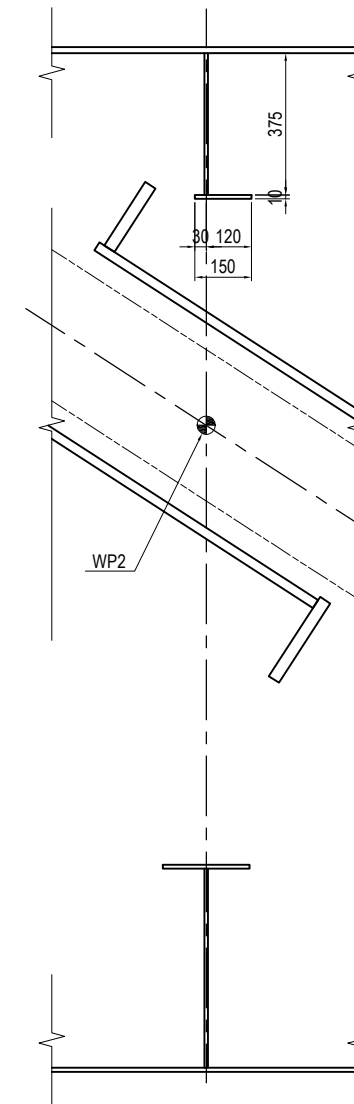
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



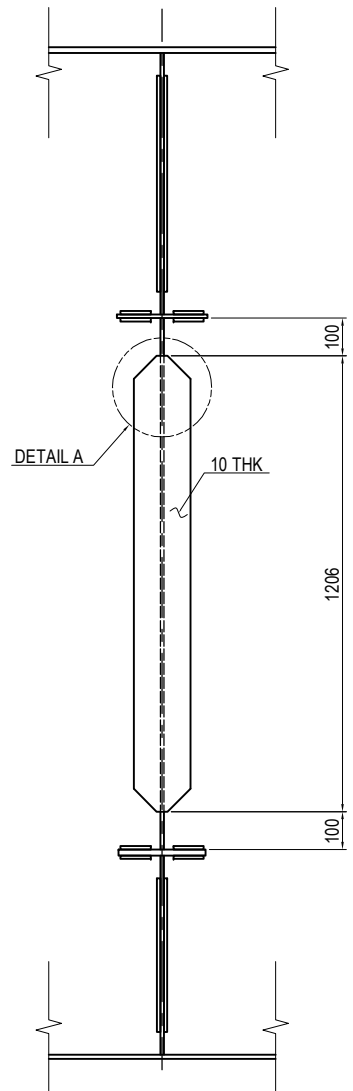
DETAIL A S=1:10



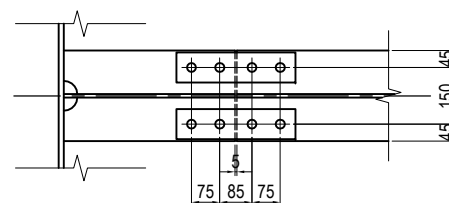
SECTION a-a



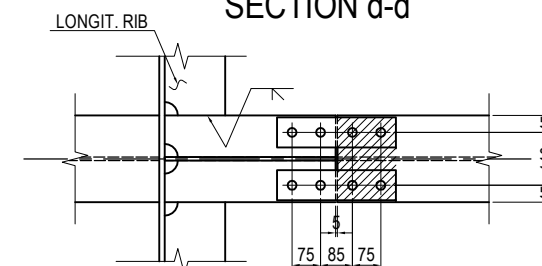
SECTION b-b



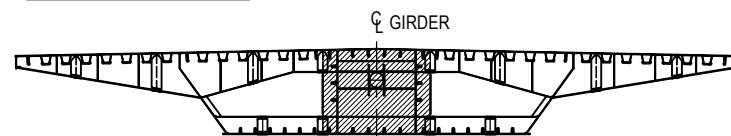
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1475.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

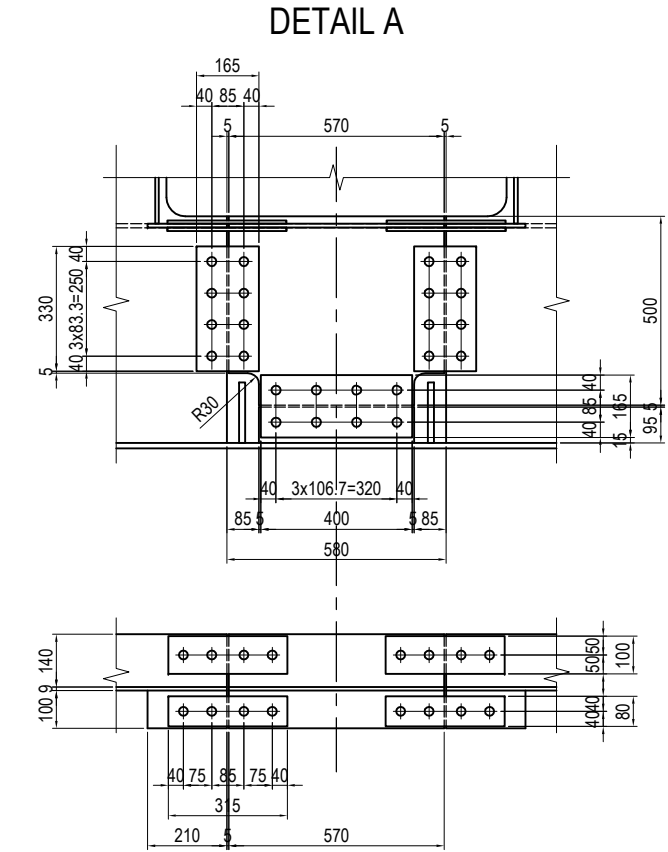
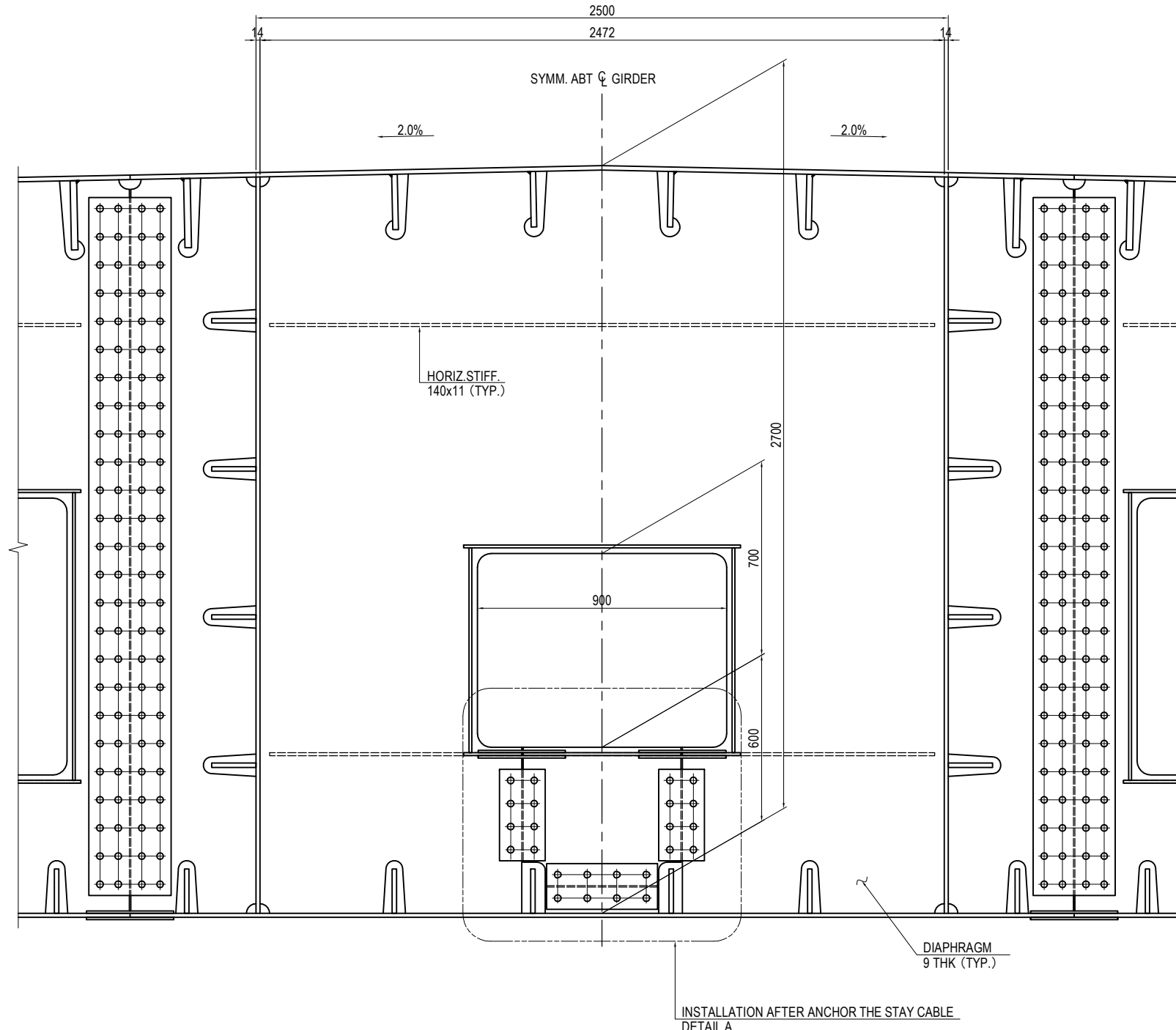
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1477

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C16 (4)

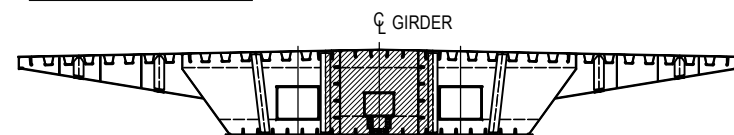
S=1:20

DIAPHRAGM D40
SECTION C-C



- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

NOTES:

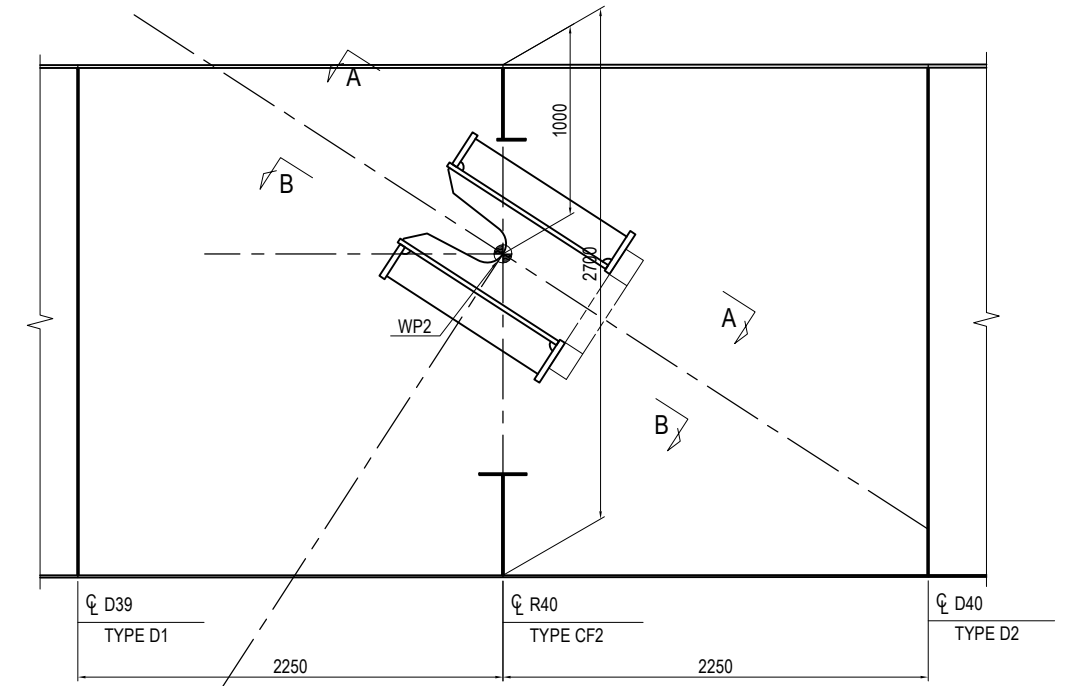
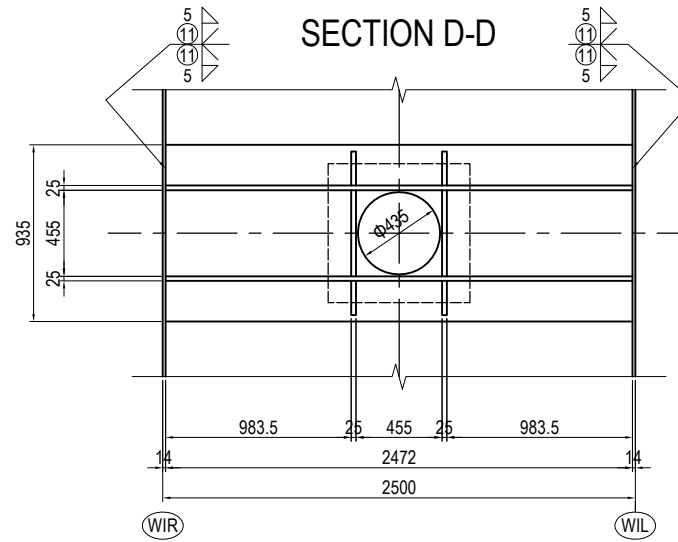
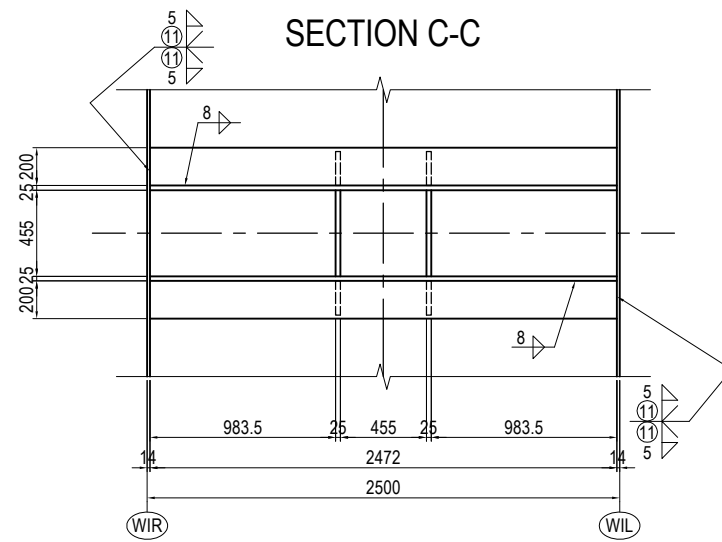
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1475.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM 	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1478

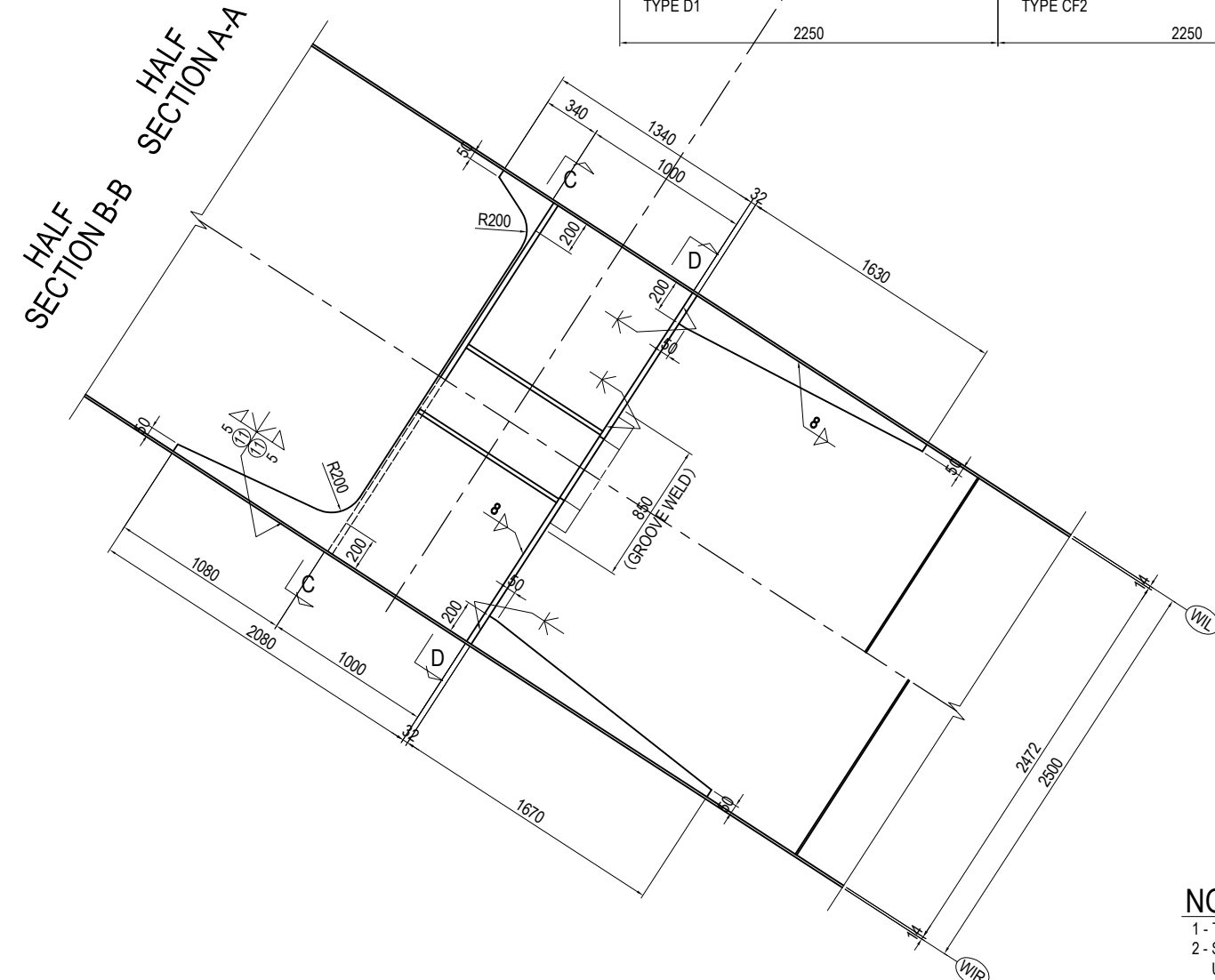
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (5)

S=1:40

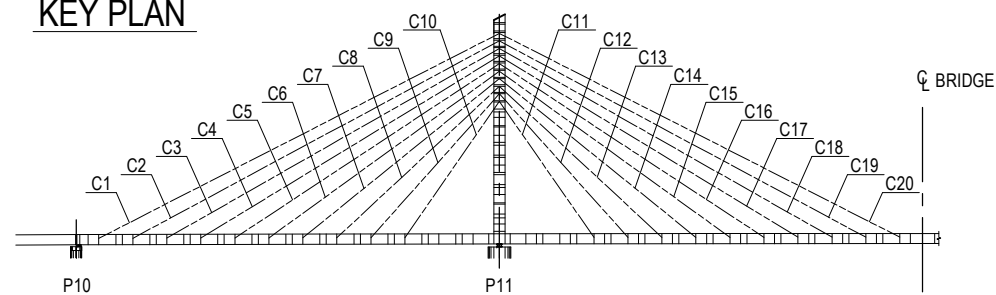
ANCHOR BEAM C16



- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2080 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1670(SM490YB)
- 1-WEB PL 1340 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1630(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



KEY PLAN



NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1477.
 2 - STEEL GRADE OF STEEL PLATE
 UNLESS NOTE : SM400A

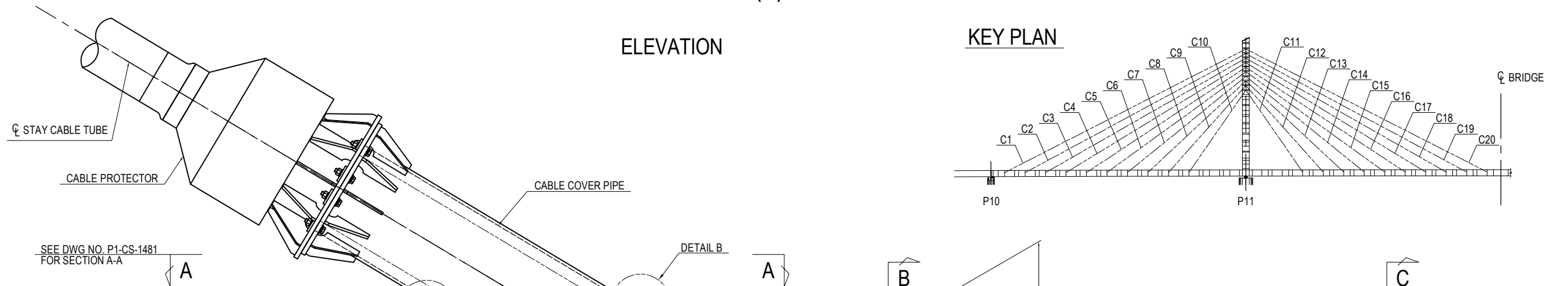
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C16 (5)</h3>	PACKAGE 1 DWG No. P1-CS-1479
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (1)

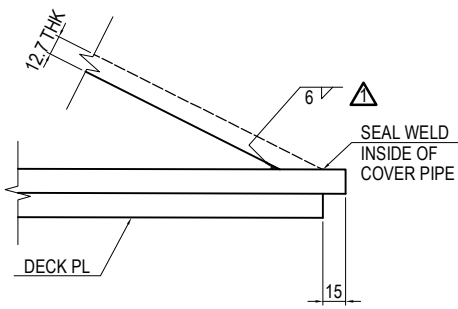
S=1:20

ELEVATION

KEY PLAN

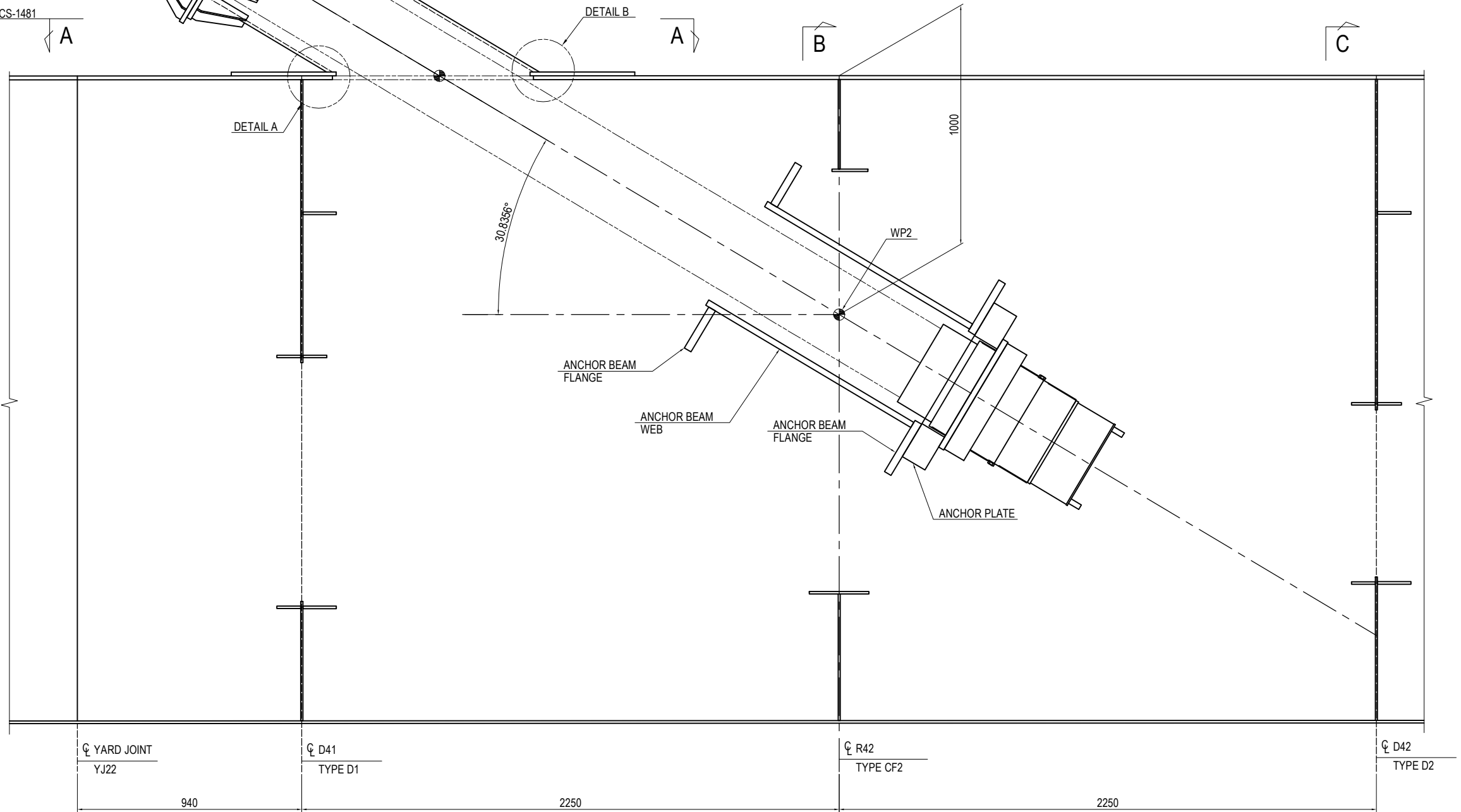
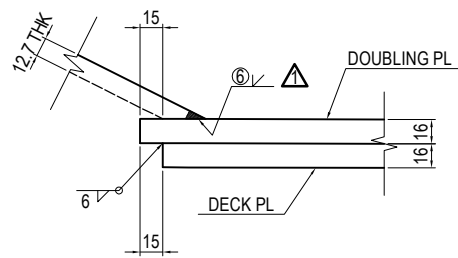


DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1481.

DETAIL B S=1:5



B
SEE DWG NO. P1-CS-1482
FOR DIAPHRAGM SECTION B-B

C
SEE DWG NO. P1-CS-1483
FOR CROSSFRAME SECTION C-C

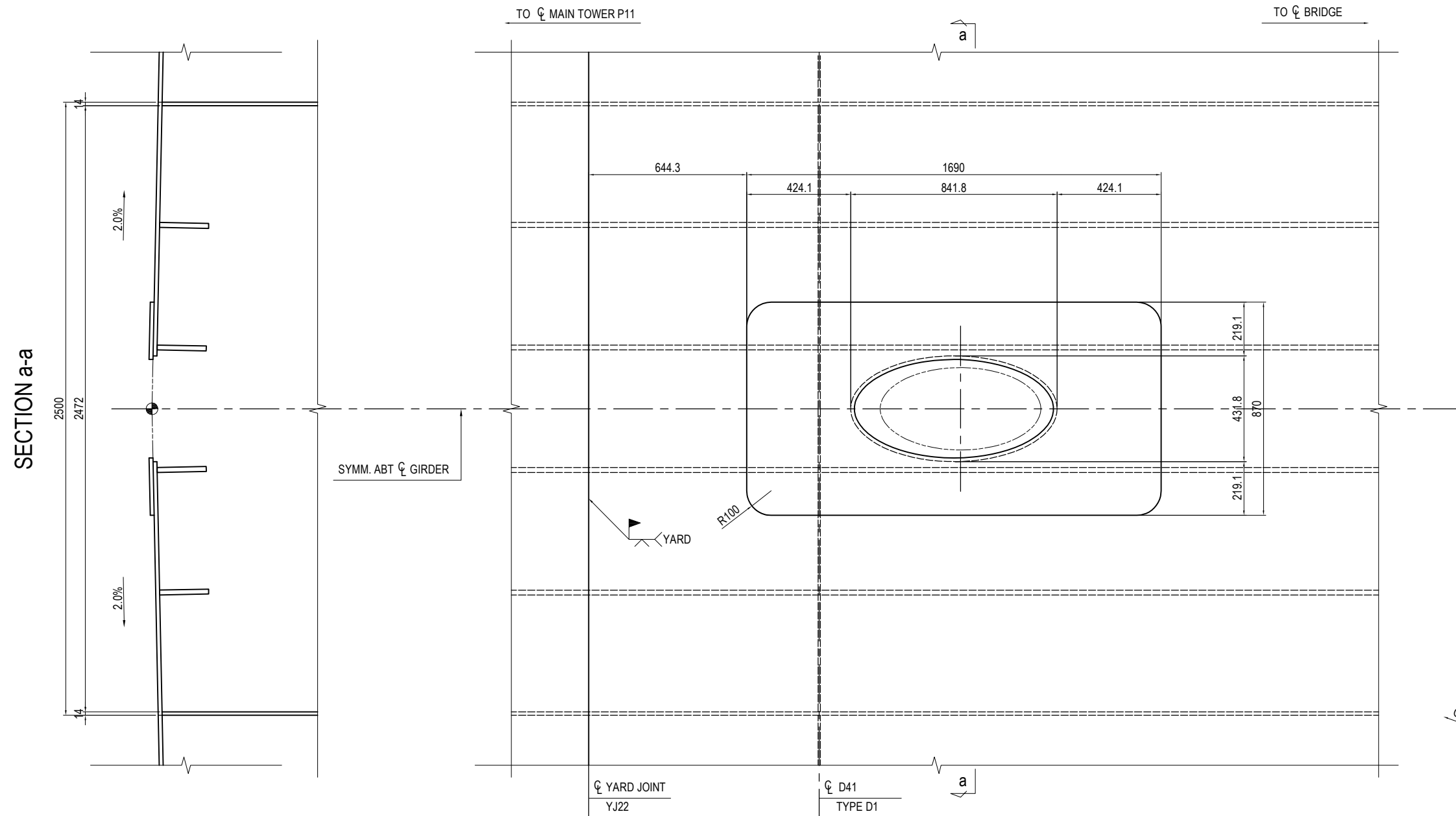
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (1)</p>	<p>PACKAGE</p> <p style="text-align: center;">1</p> <p>DWG No. P1-CS-1480</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES

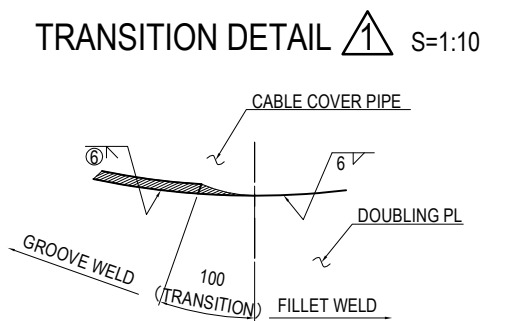
CABLE NO.C17 (2)

S=1:20

SECTION A-A



- 1-PL 870 x 16 x 1690
- 1-PIPE 457.2 x 12.7 x 1385 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1480.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1481
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

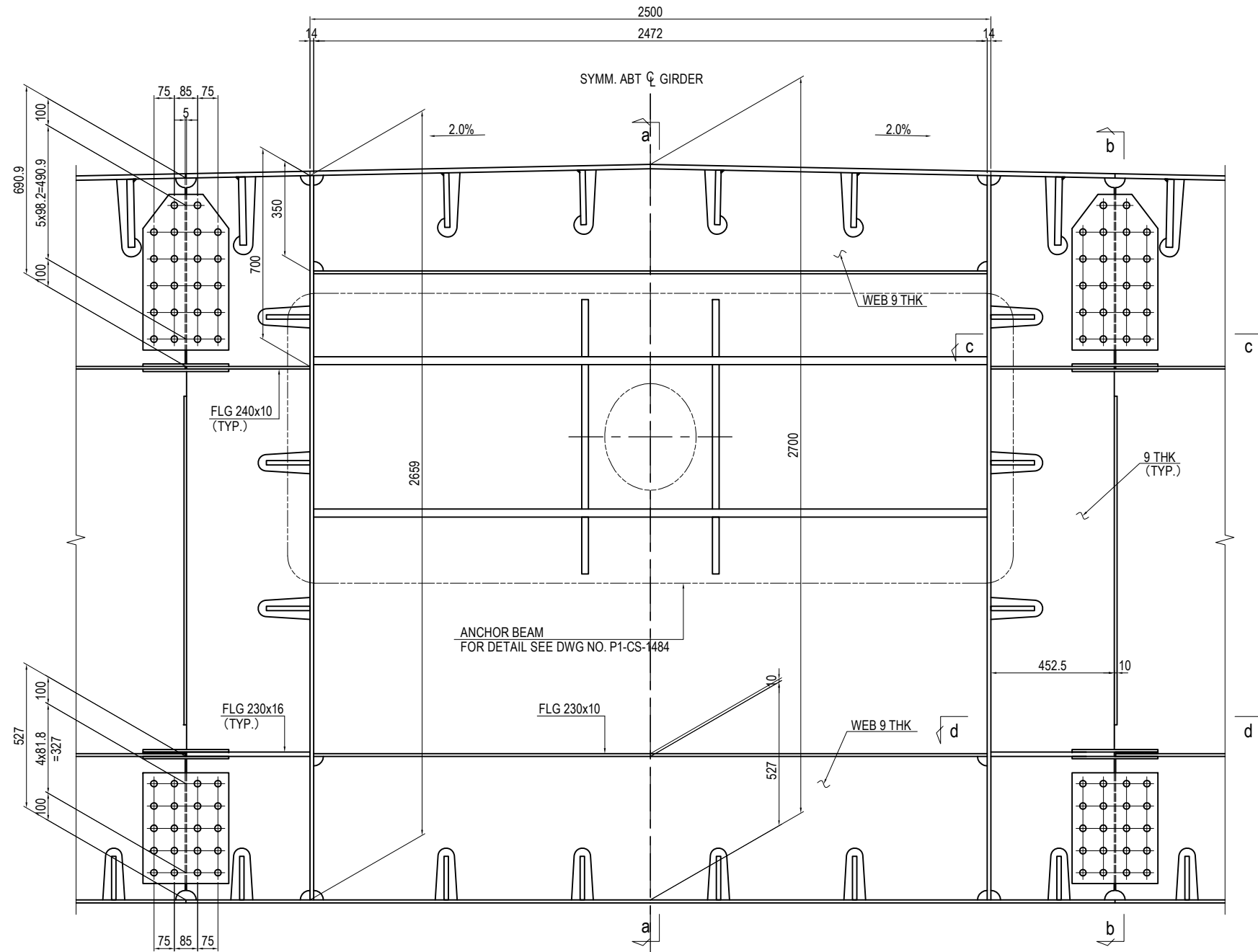
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C17 (3)

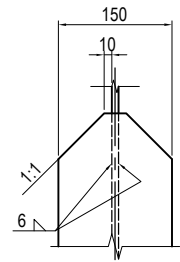
S=1:20

CROSSFRAME R42 SECTION B-B

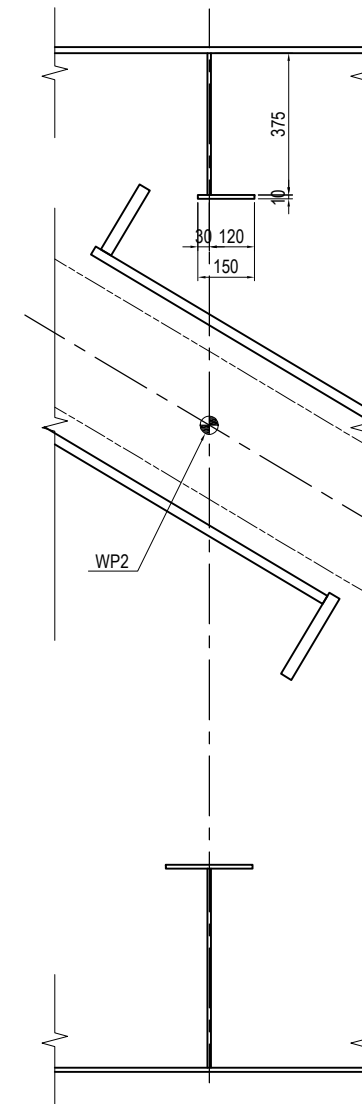
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



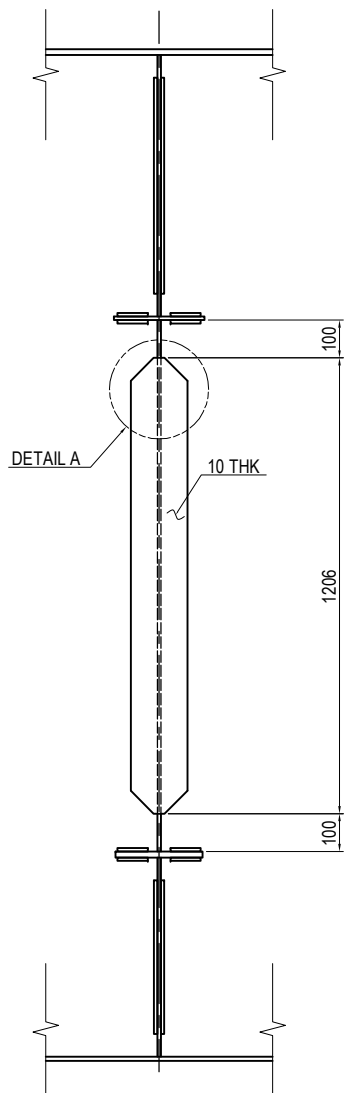
DETAIL A S=1:10



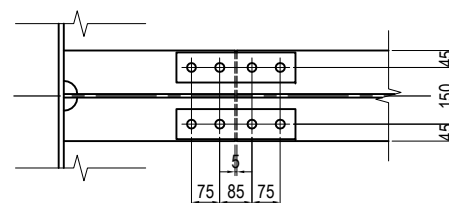
SECTION a-a



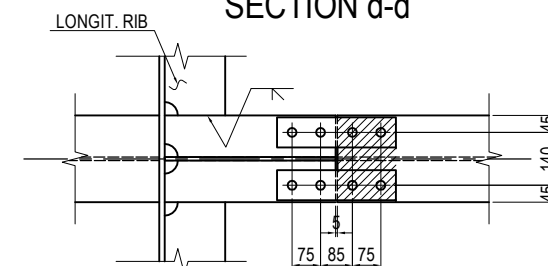
SECTION b-b



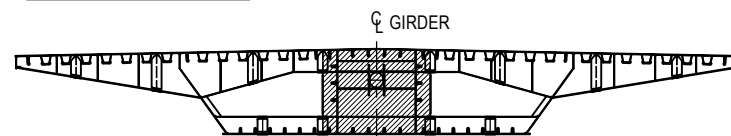
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

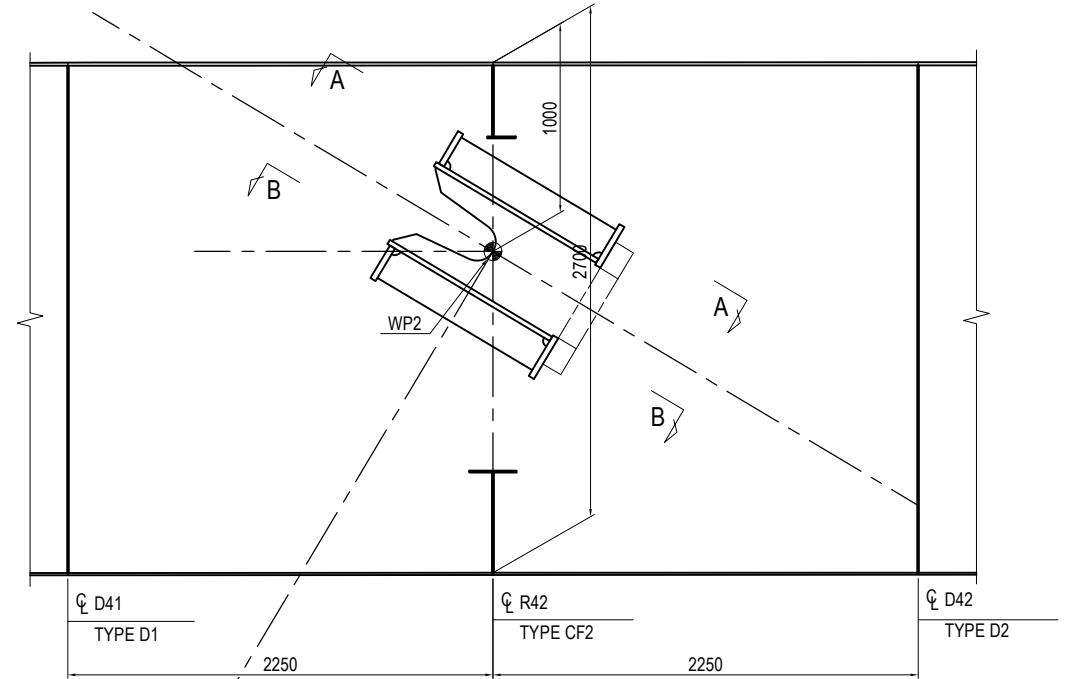
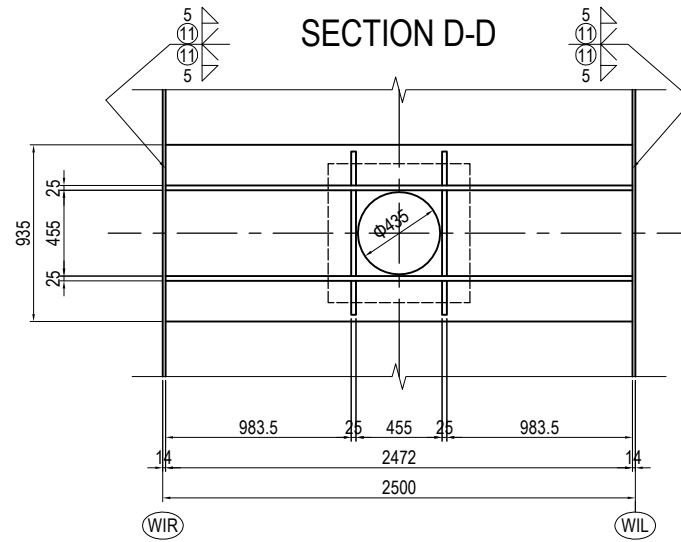
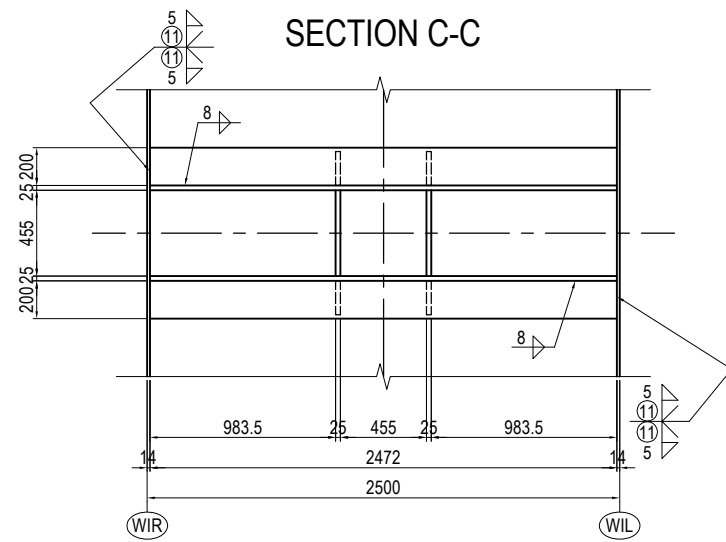
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1480.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-1482

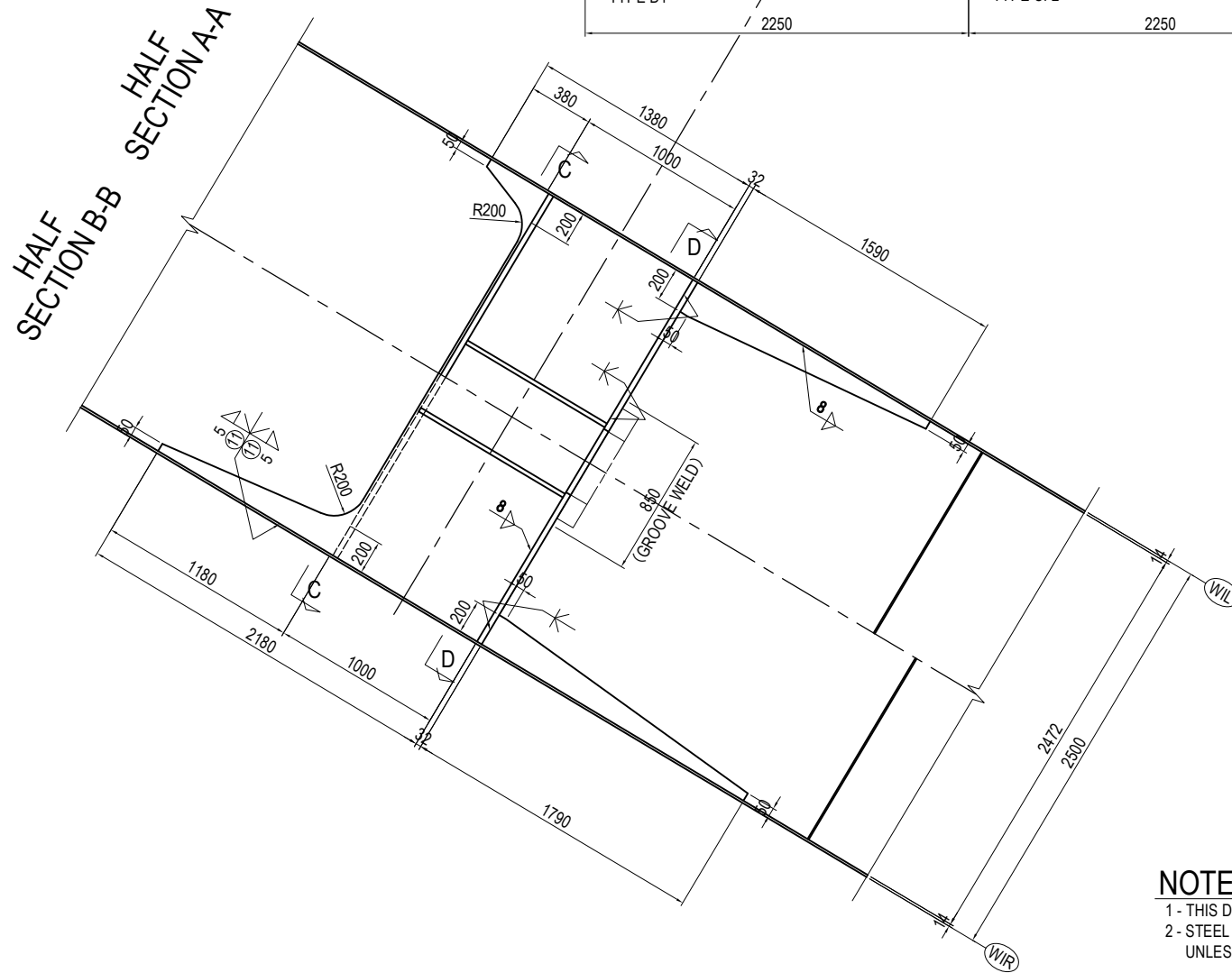
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (5)

S=1:40

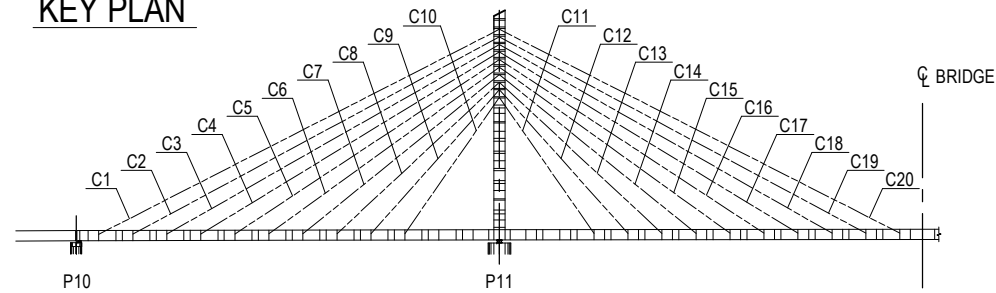
ANCHOR BEAM C17



- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2180 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1790(SM490YB)
- 1-WEB PL 1380 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1590(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



KEY PLAN



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1482.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

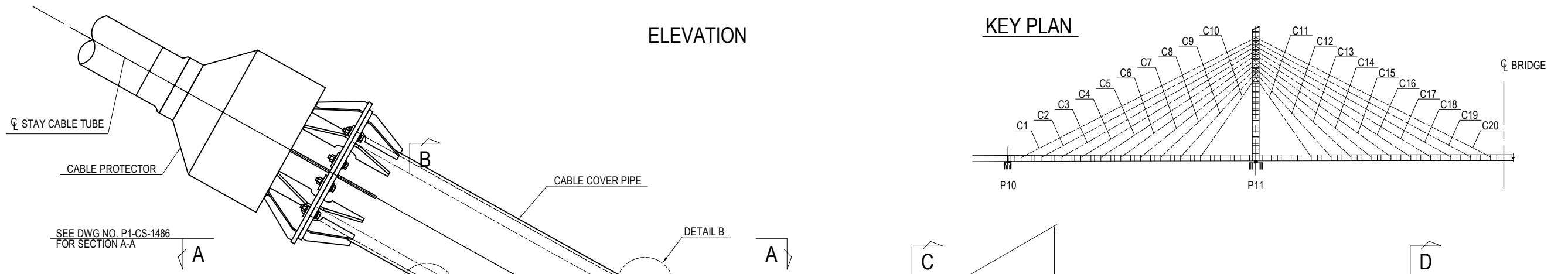
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C17 (5)</h3>	PACKAGE 1 DWG No. P1-CS-1484
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (1)

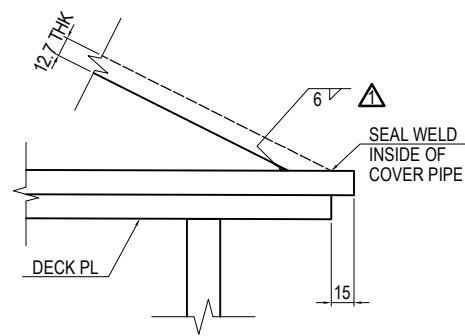
S=1:20

ELEVATION

KEY PLAN

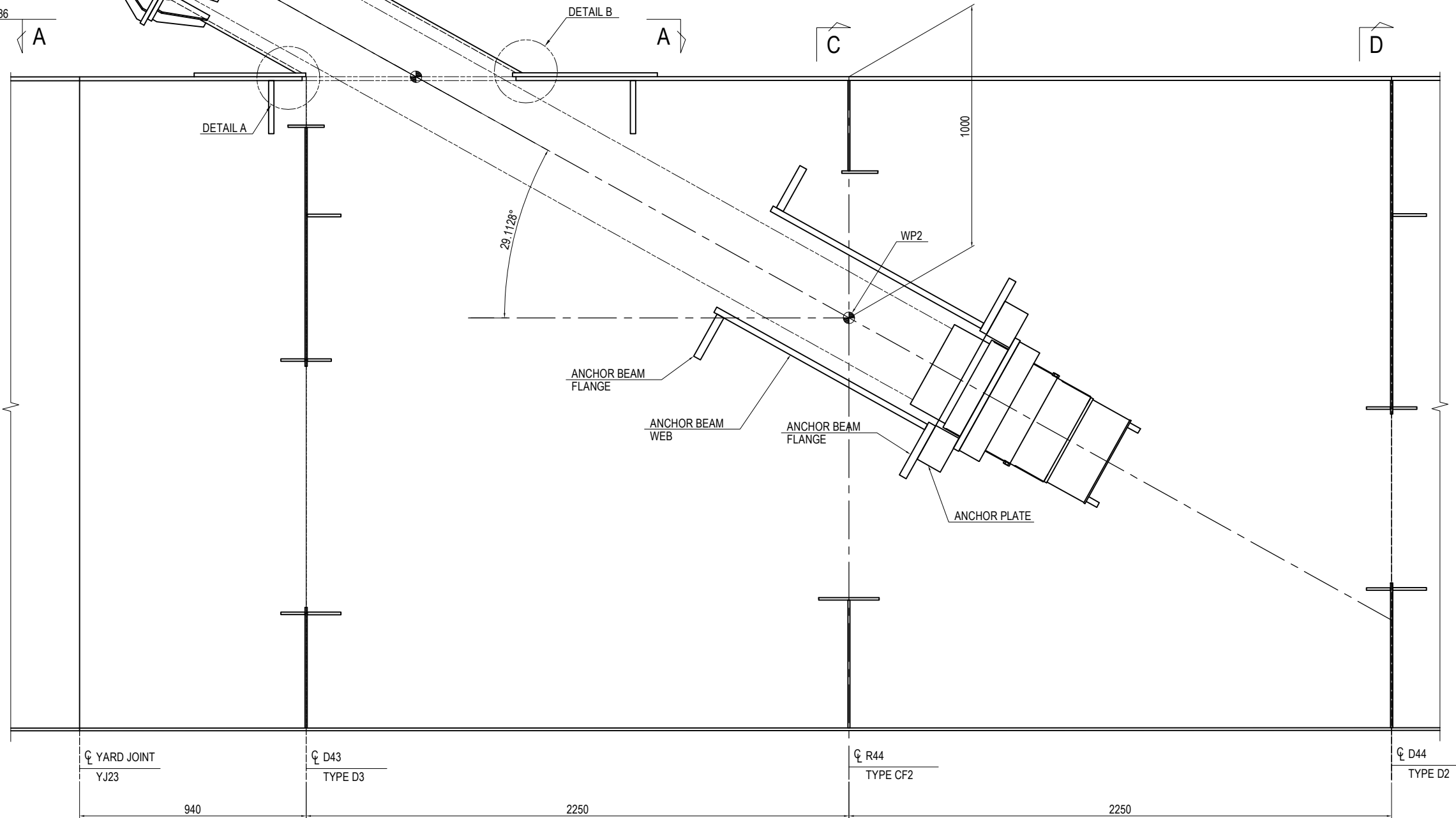
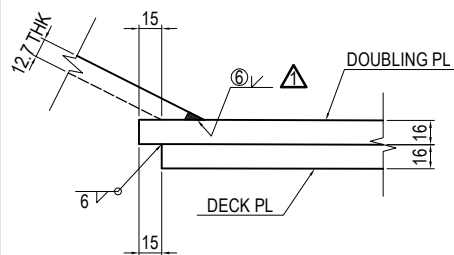


DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1486.

DETAIL B S=1:5



B
SEE DWG NO. P1-CS-1487
FOR DIAPHRAGM SECTION B-B

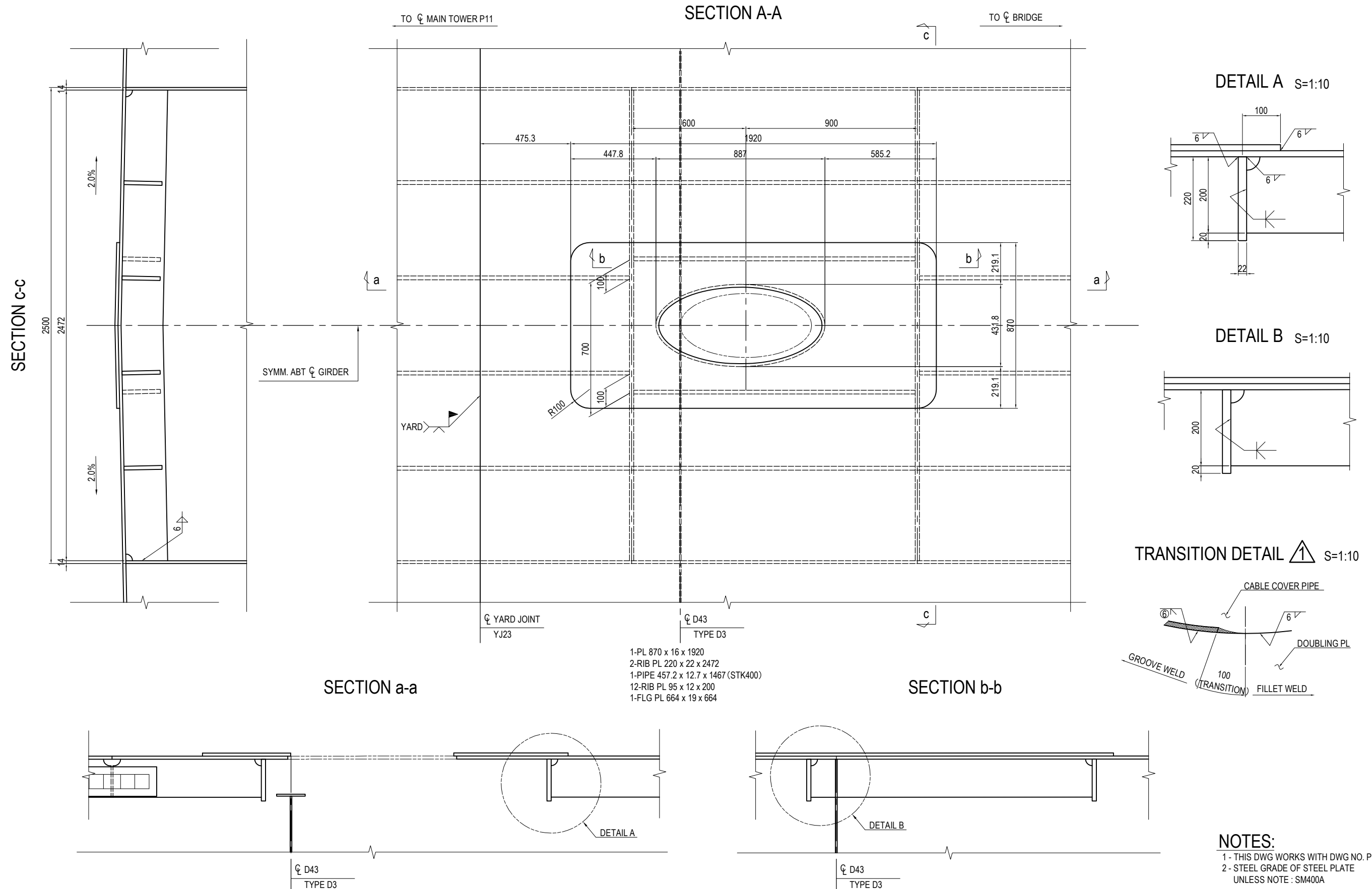
C
SEE DWG NO. P1-CS-1488
FOR CROSSFRAME SECTION C-C

D
SEE DWG NO. P1-CS-1489
FOR DIAPHRAGM SECTION D-D

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE _____ _____ _____	DATE _____ _____ _____	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (1)	PACKAGE 1 DWG No. P1-CS-1485
---	--	---	--	---	--------------------------------------	---------------------------------	---	---------------------------------------

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (2)

S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (2)</h3>	PACKAGE 1 DWG No. P1-CS-1486
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

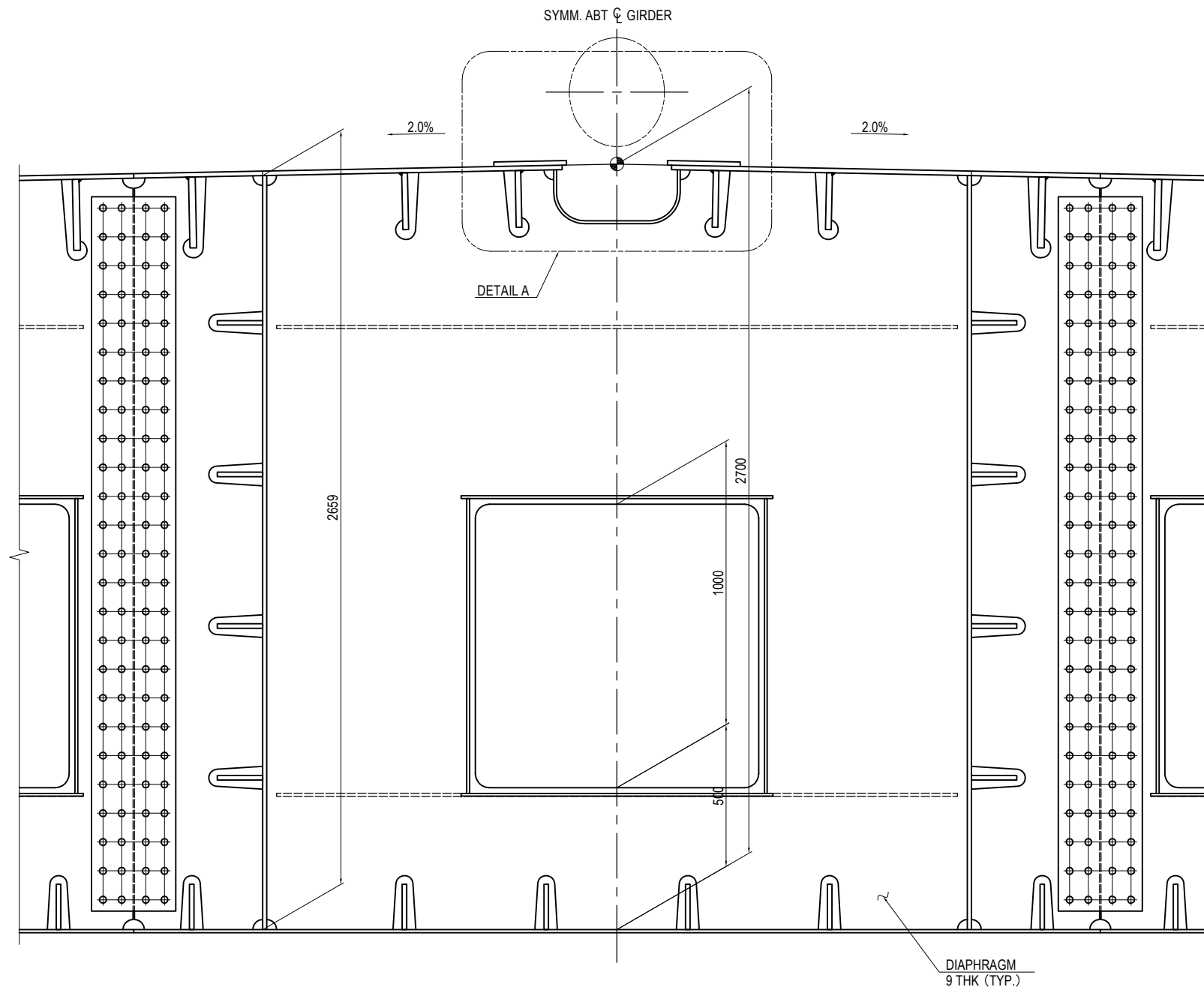
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C18 (3)

S=1:20

DIAPHRAGM D43

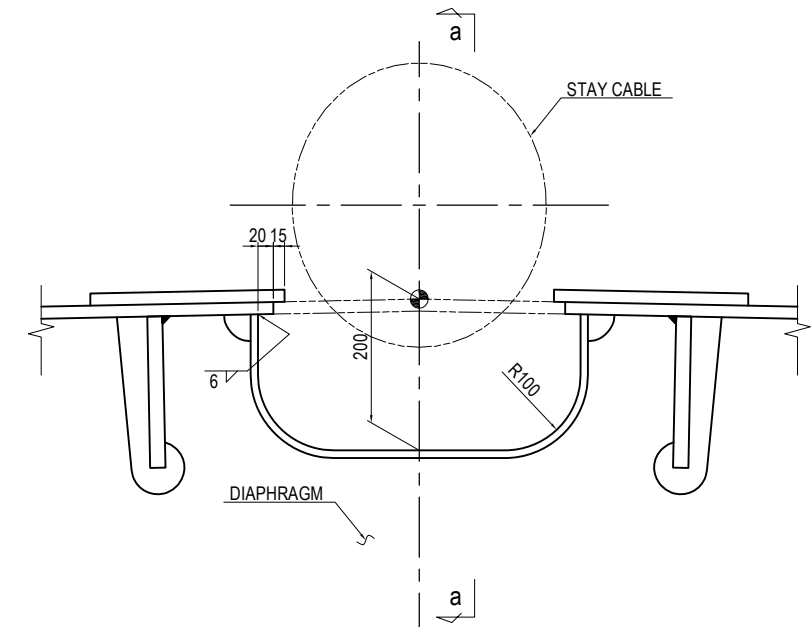
SECTION B-B



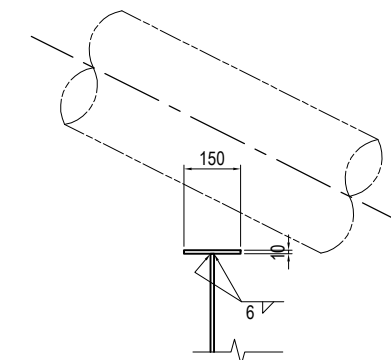
- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715

DIAPHRAGM
9 THK (TYP.)

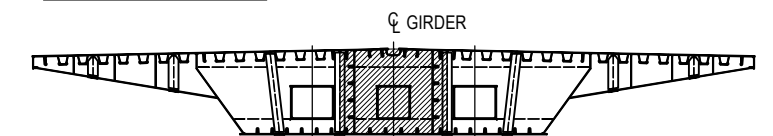
DETAIL A S=1:10



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1485.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (3)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1487

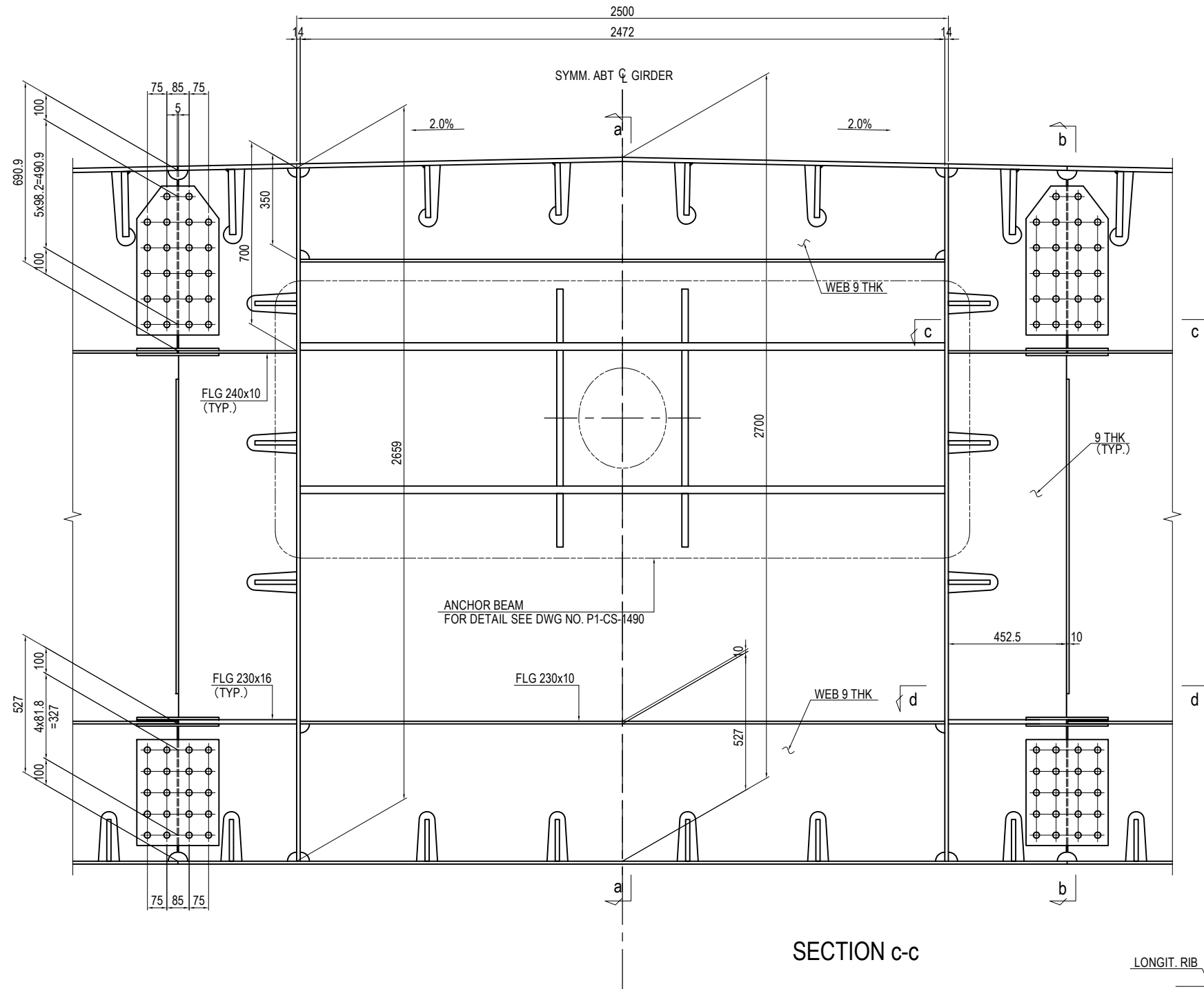
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C18 (4)

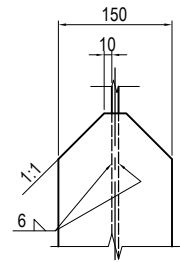
S=1:20

CROSSFRAME R44 SECTION C-C

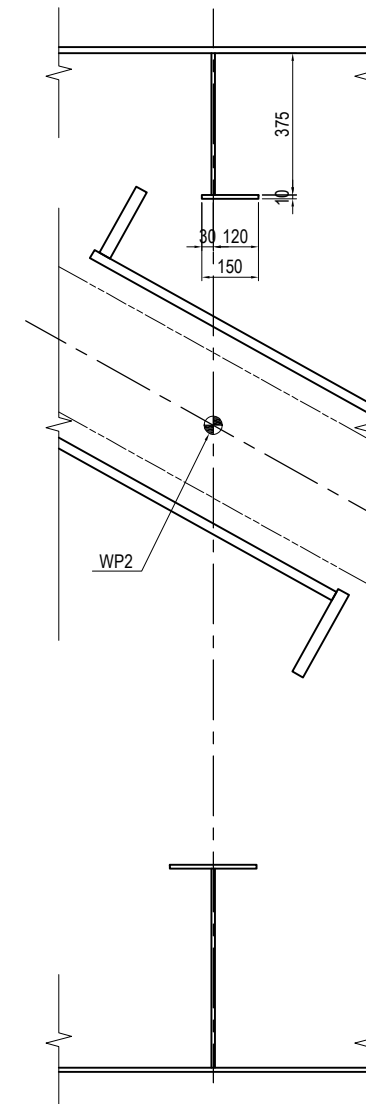
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



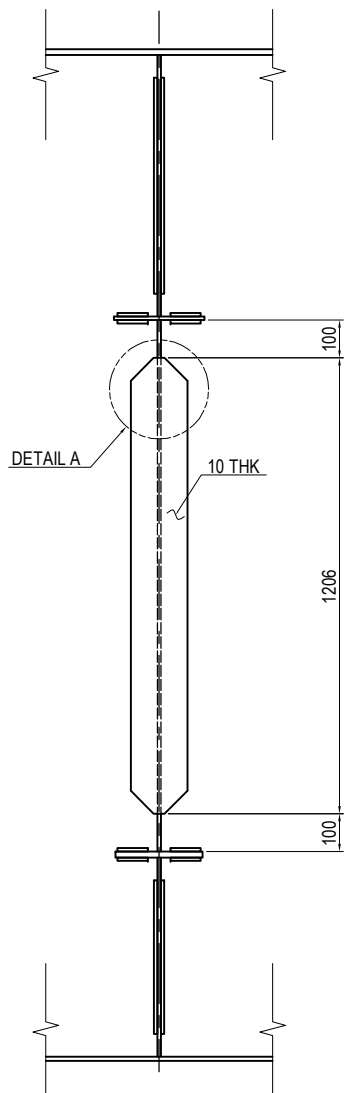
DETAIL A S=1:10



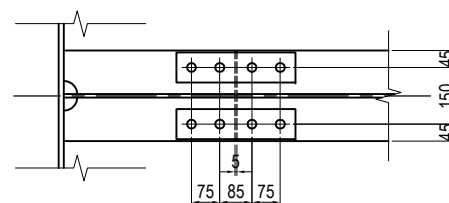
SECTION a-a



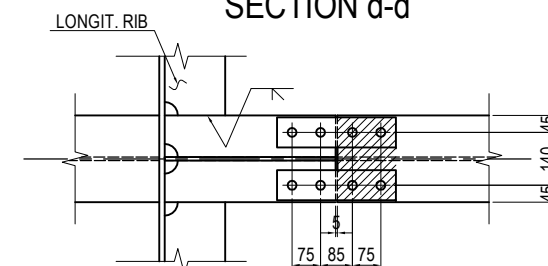
SECTION b-b



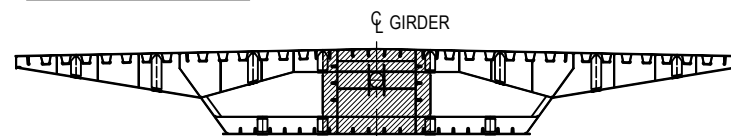
SECTION c-c



SECTION d-d



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1485.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108
- CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1488

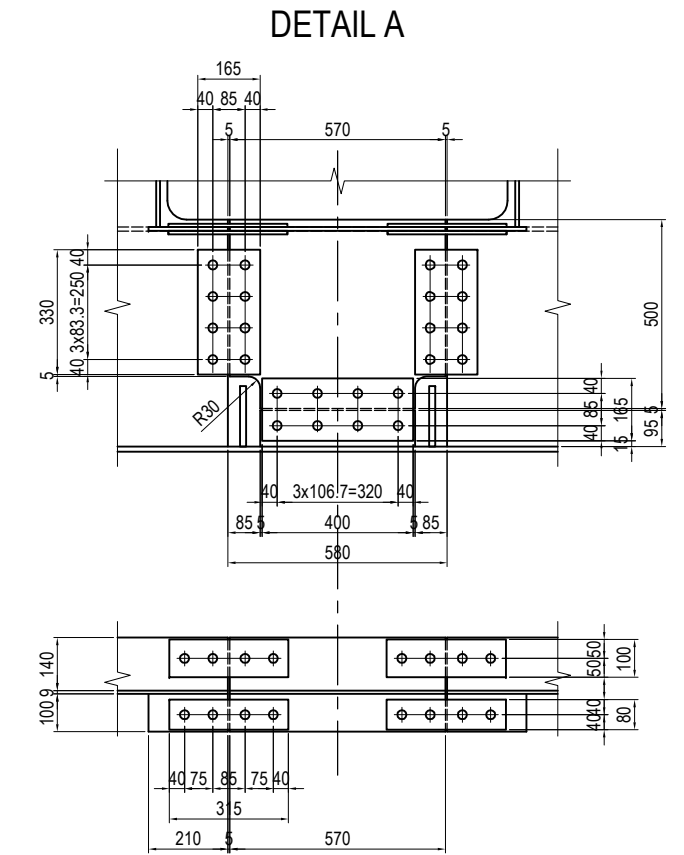
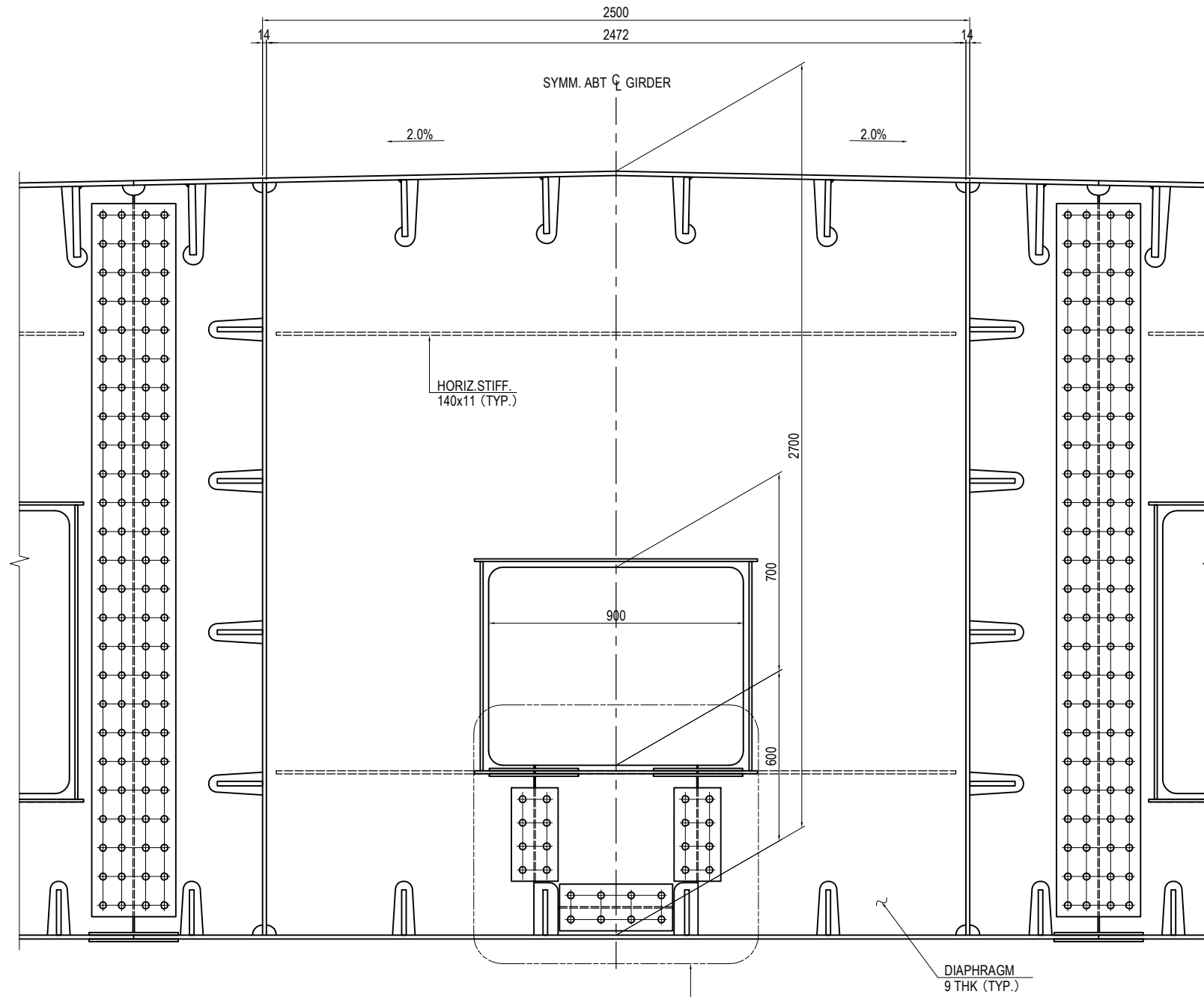
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C18 (5)

S=1:20

DIAPHRAGM D44

SECTION D-D

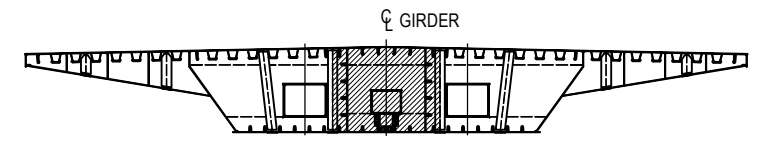


- 1-PL 95 x 9 x 410
- 1-PL 500 x 9 x 570
- 2-SPL PL 165 x 9 x 400 (SS400)
- 8-TCB M22 x 65 (S10T)
- 4-SPL PL 165 x 9 x 330 (SS400)
- 16-TCB M22 x 65 (S10T)
- 1-HSTIF PL 140 x 11 x 570
- 4-SPL PL 100 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)
- 1-COLLAR PL 100 x 10 x 570
- 2-COLLAR PL 100 x 10 x 210
- 4-SPL PL 80 x 9 x 315 (SS400)
- 8-TCB M22 x 65 (S10T)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1485.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

KEY DIAGRAM



- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 1-HSTIF PL 140 x 11 x 2402
- 2-HSTIF PL 140 x 11 x 911
- 2-COLLAR PL 100 x 10 x 1000
- 4-COLLAR PL 90 x 10 x 740

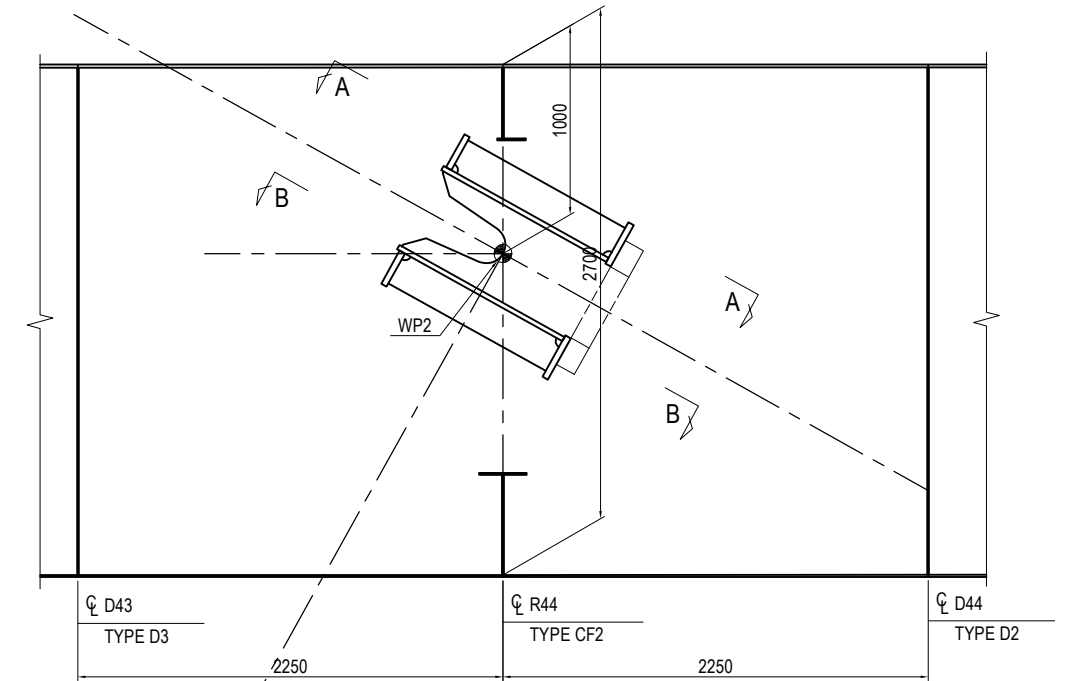
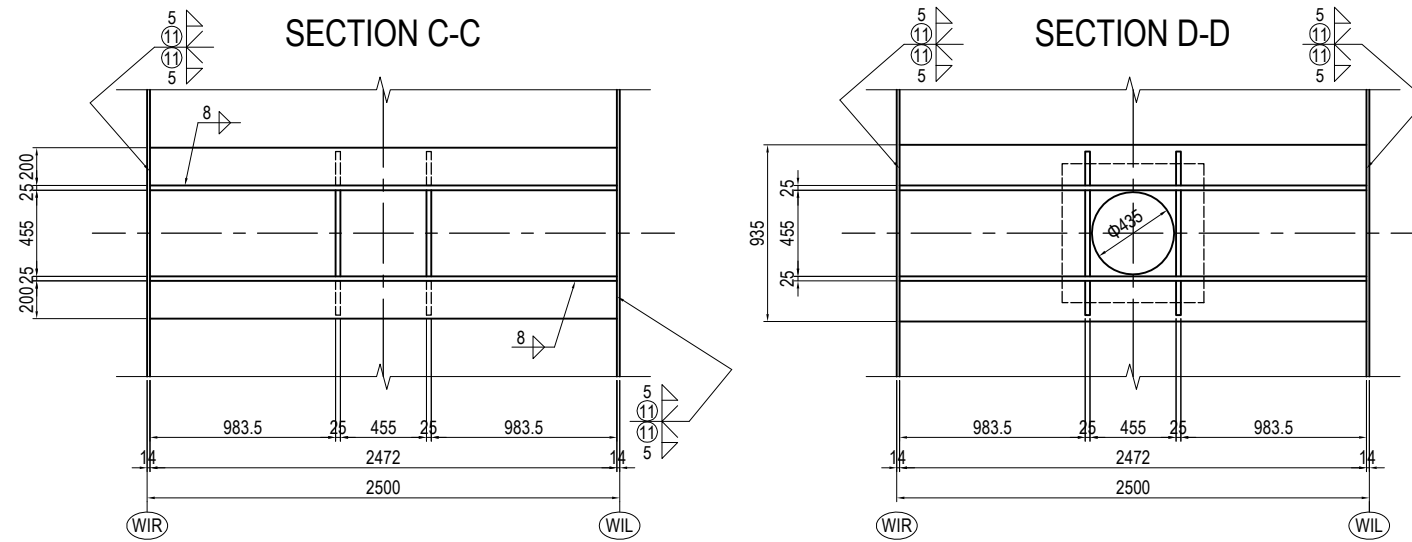
INSTALLATION AFTER ANCHOR THE STAY CABLE
DETAIL A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (5)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1489

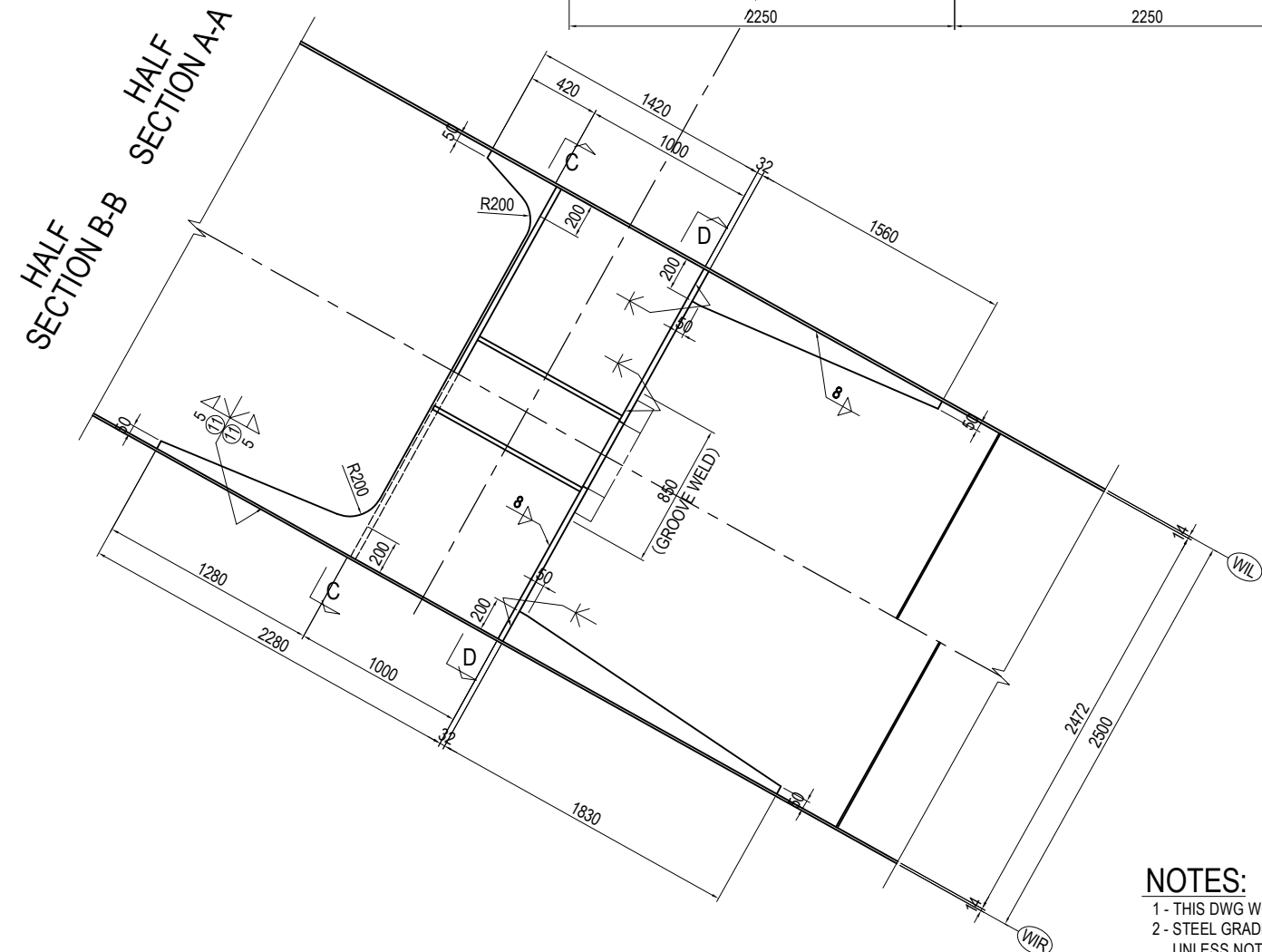
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (6)

S=1:40

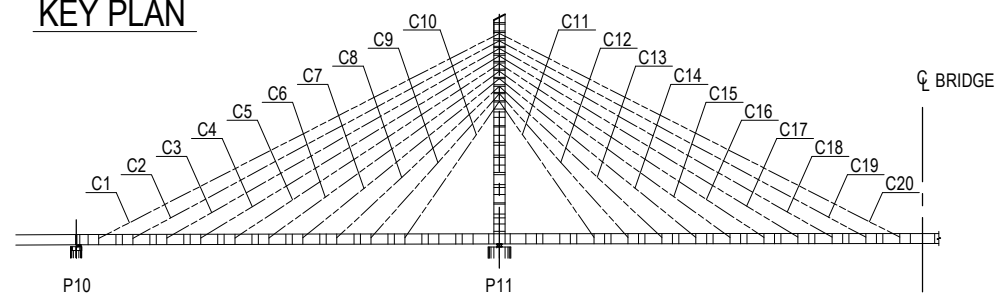
ANCHOR BEAM C18



- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2280 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1830(SM490YB)
- 1-WEB PL 1420 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1560(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



KEY PLAN



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1488.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

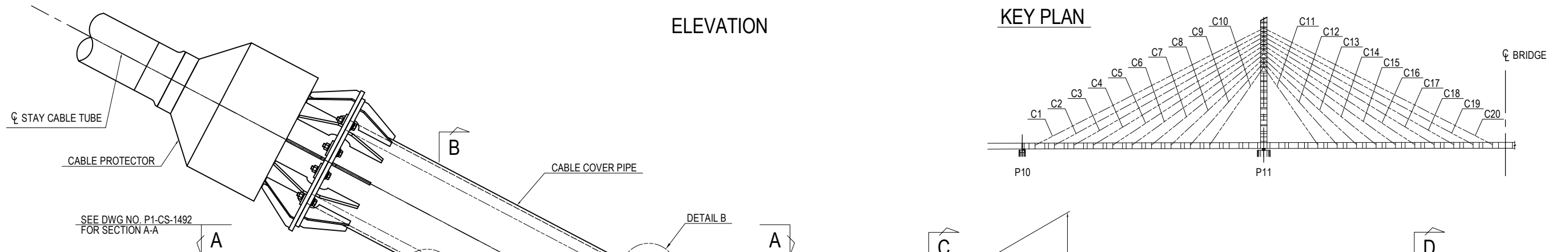
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C18 (6)	PACKAGE 1 DWG No. P1-CS-1490
				PREPARED BY	T. TOMODA			
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (1)

S=1:20

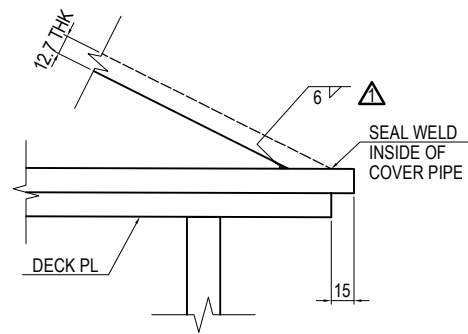
ELEVATION

KEY PLAN



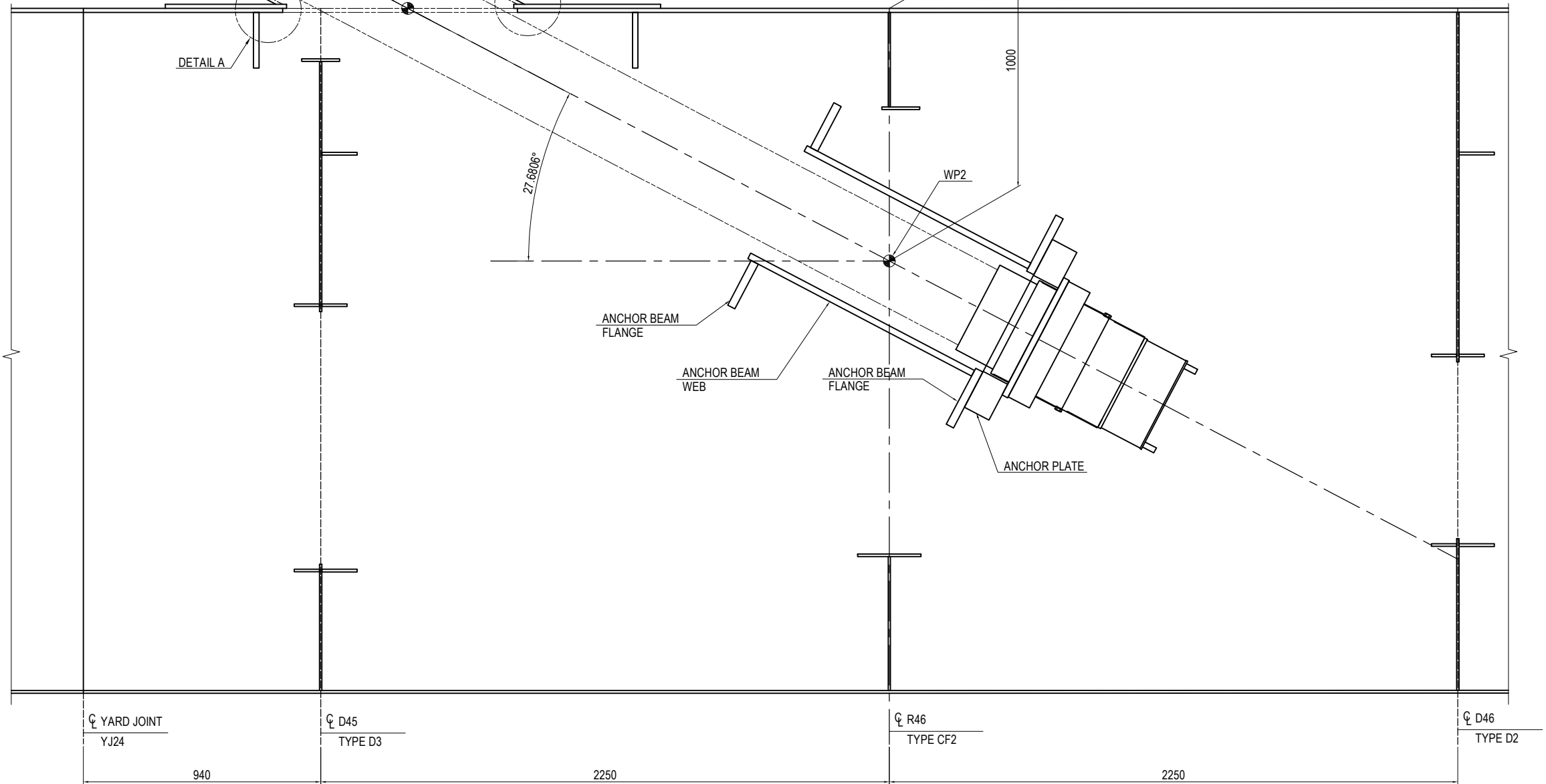
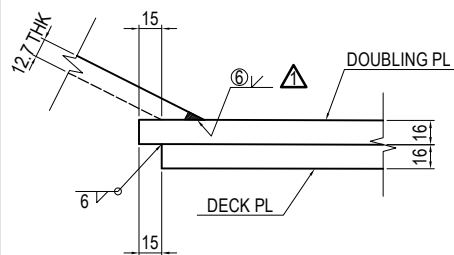
SEE DWG NO. P1-CS-1492 FOR SECTION A-A

DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1492.

DETAIL B S=1:5



CL YARD JOINT
YJ24

CL D45
TYPE D3

CL R46
TYPE CF2

CL D46
TYPE D2

940

2250

2250

B
SEE DWG NO. P1-CS-1493 FOR DIAPHRAGM SECTION B-B

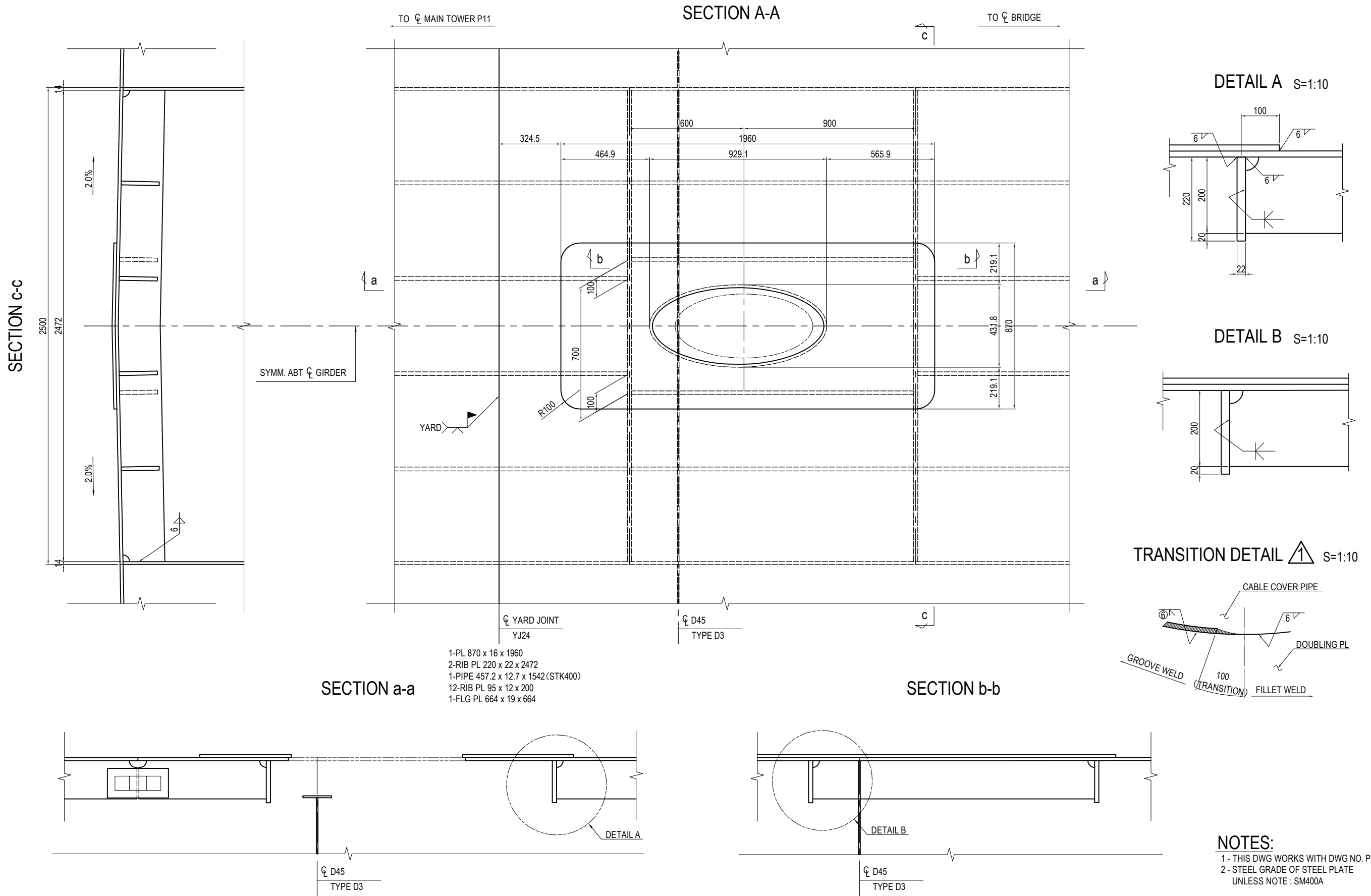
C
SEE DWG NO. P1-CS-1494 FOR CROSSFRAME SECTION C-C

D
SEE DWG NO. P1-CS-1495 FOR DIAPHRAGM SECTION D-D

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h3 style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (1)</h3>	PACKAGE 1 DWG No. P1-CS-1491
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (2)

S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (2)	PACKAGE 1 DWG No. P1-CS-1492
				PREPARED BY				
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

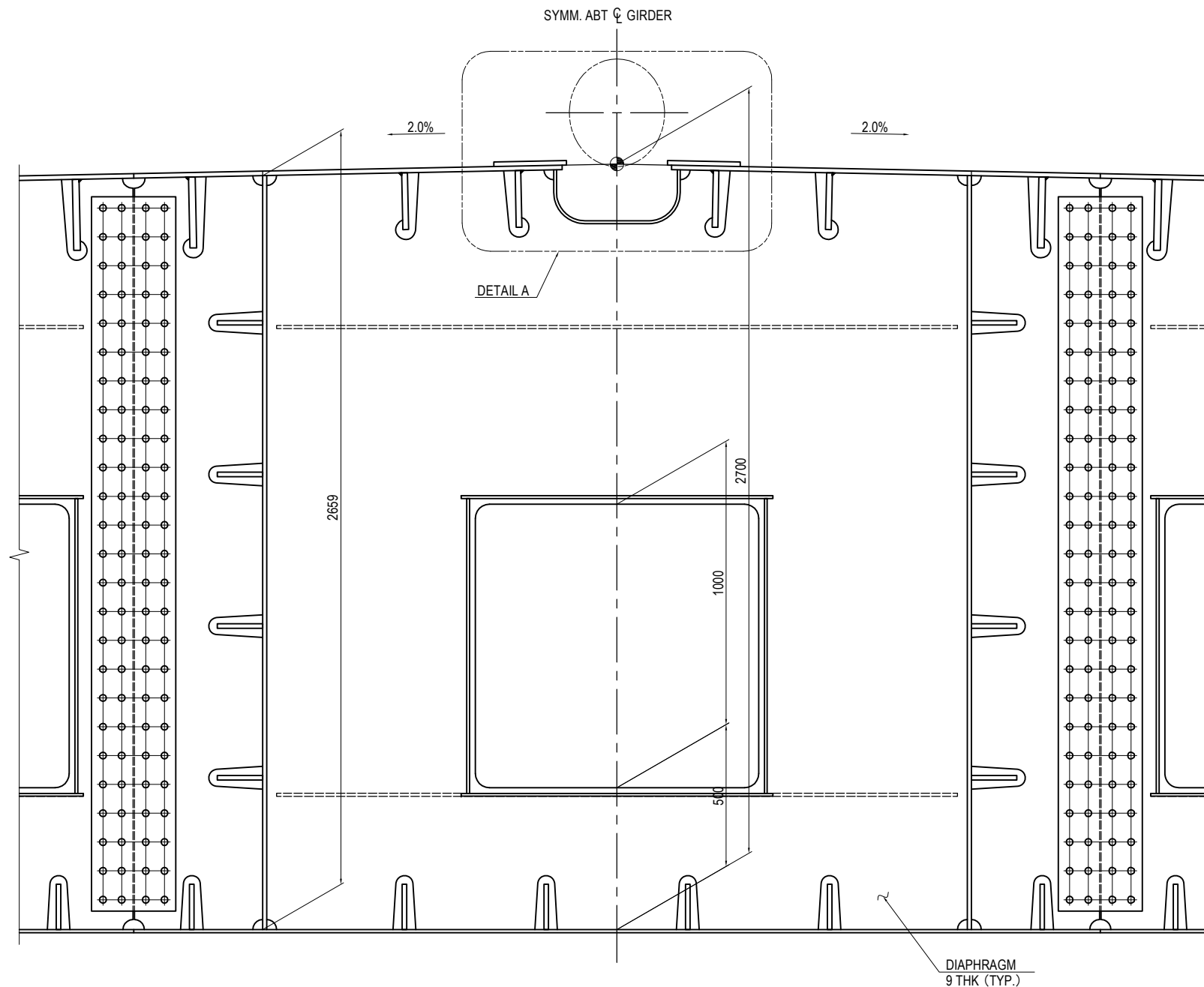
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C19 (3)

S=1:20

DIAPHRAGM D45

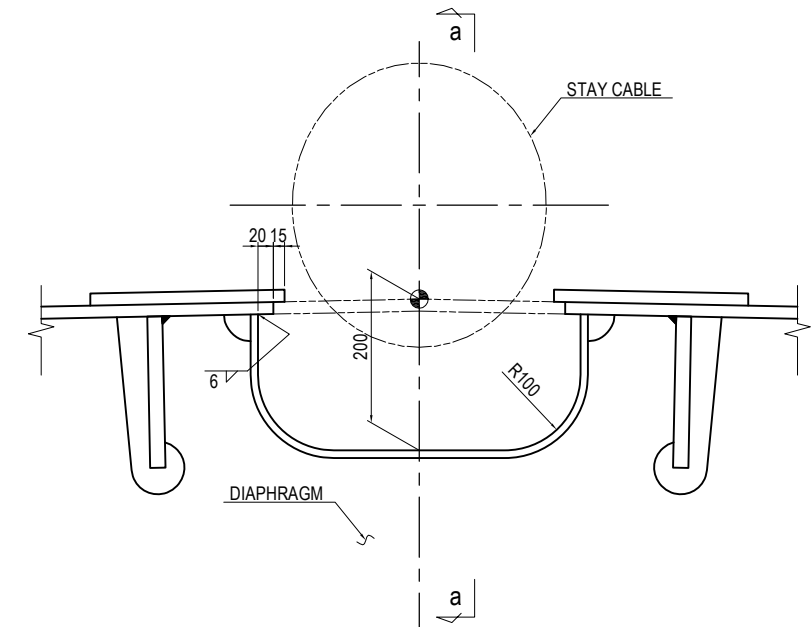
SECTION B-B



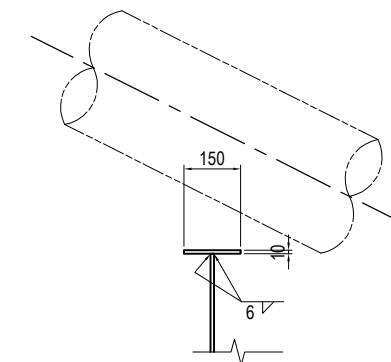
- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTIF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715

DIAPHRAGM
9 THK (TYP.)

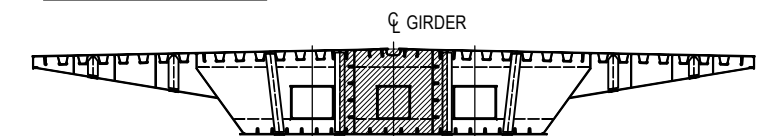
DETAIL A S=1:10



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1491.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (3)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-1493

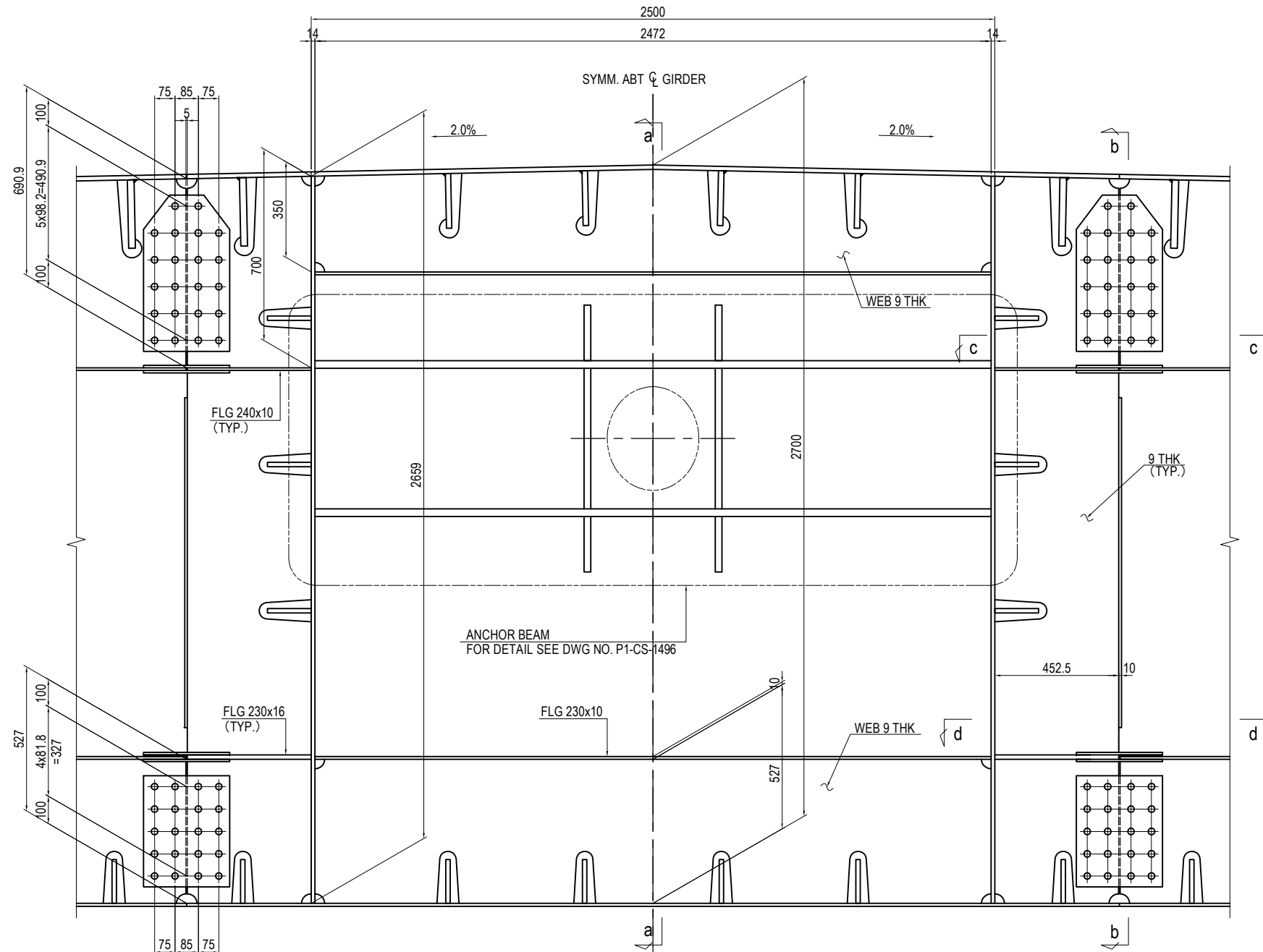
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C19 (4)

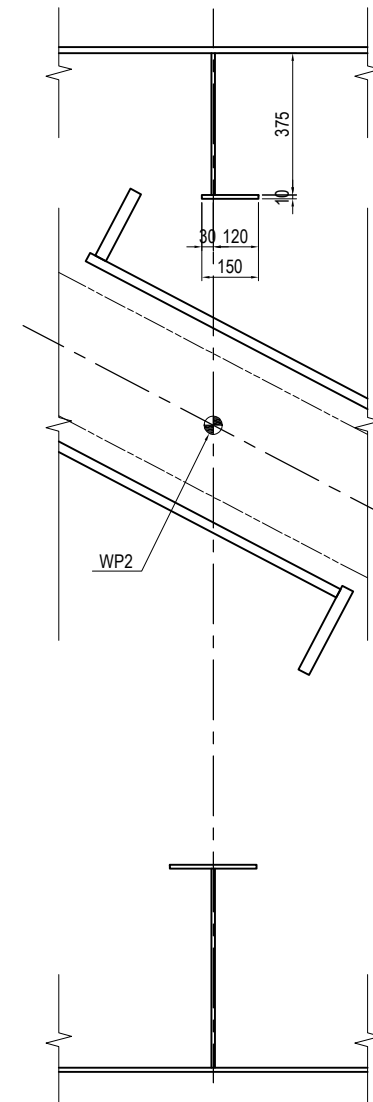
S=1:20

CROSSFRAME R46 SECTION C-C

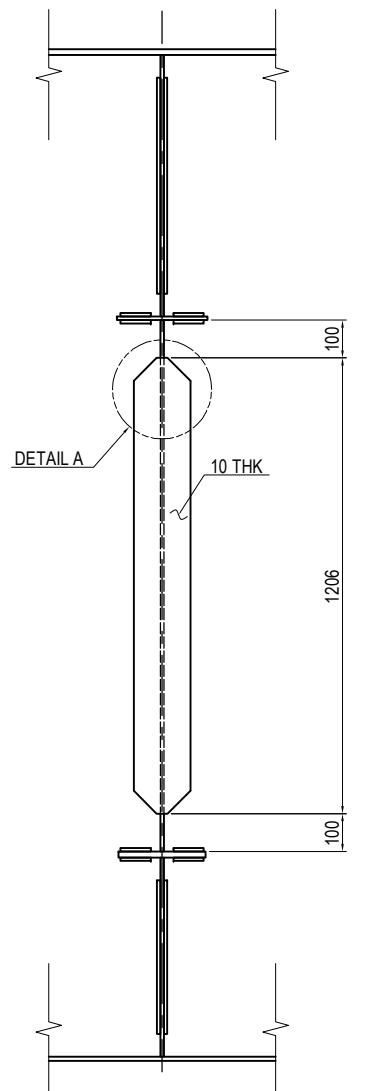
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



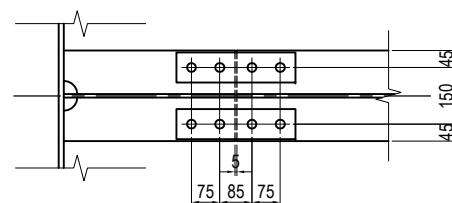
SECTION a-a



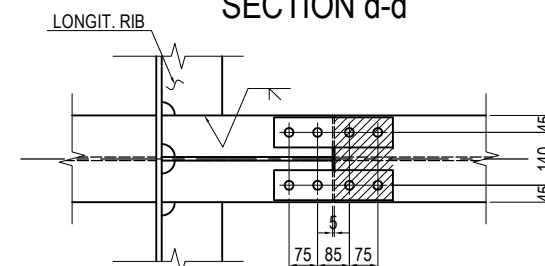
SECTION b-b



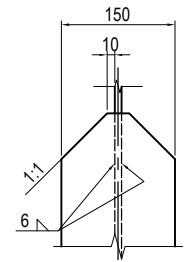
SECTION c-c



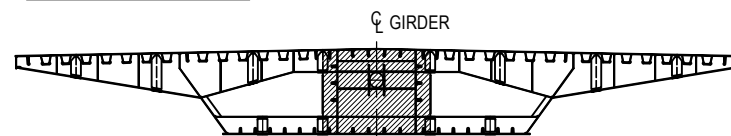
SECTION d-d



DETAIL A S=1:10



KEY DIAGRAM



NOTES:

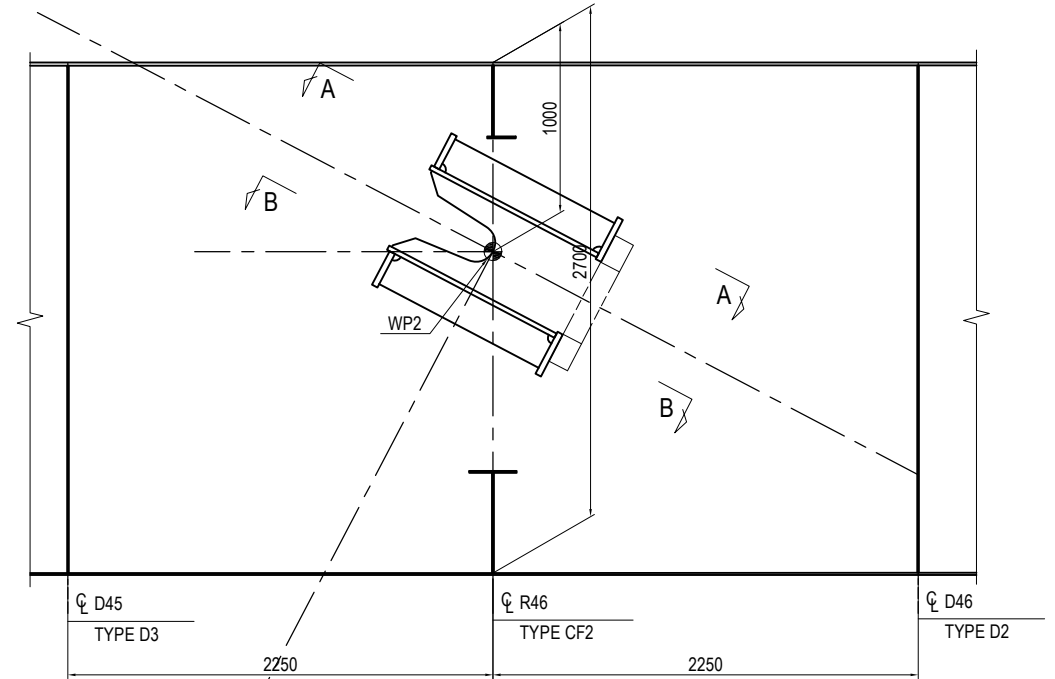
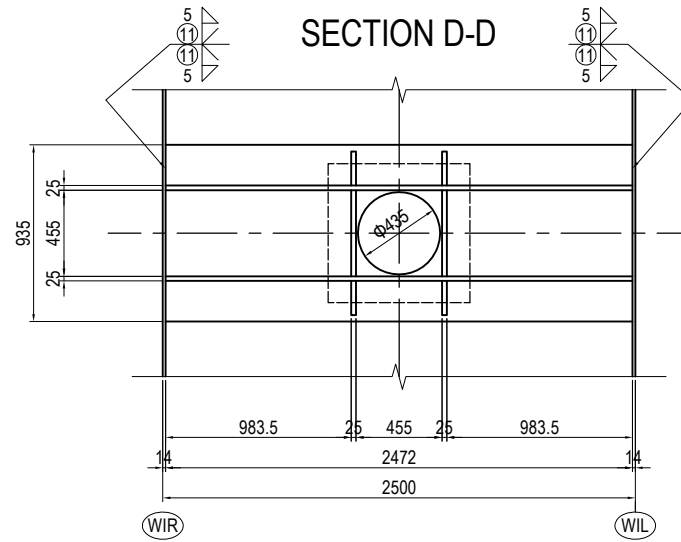
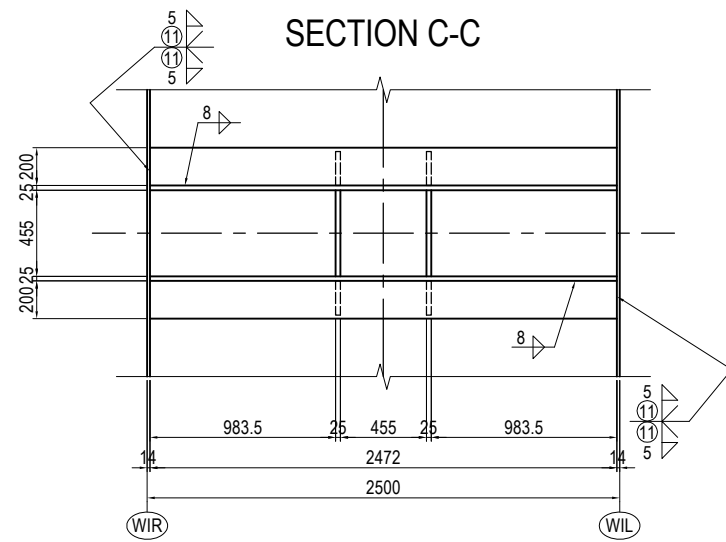
- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1491.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108 CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1494

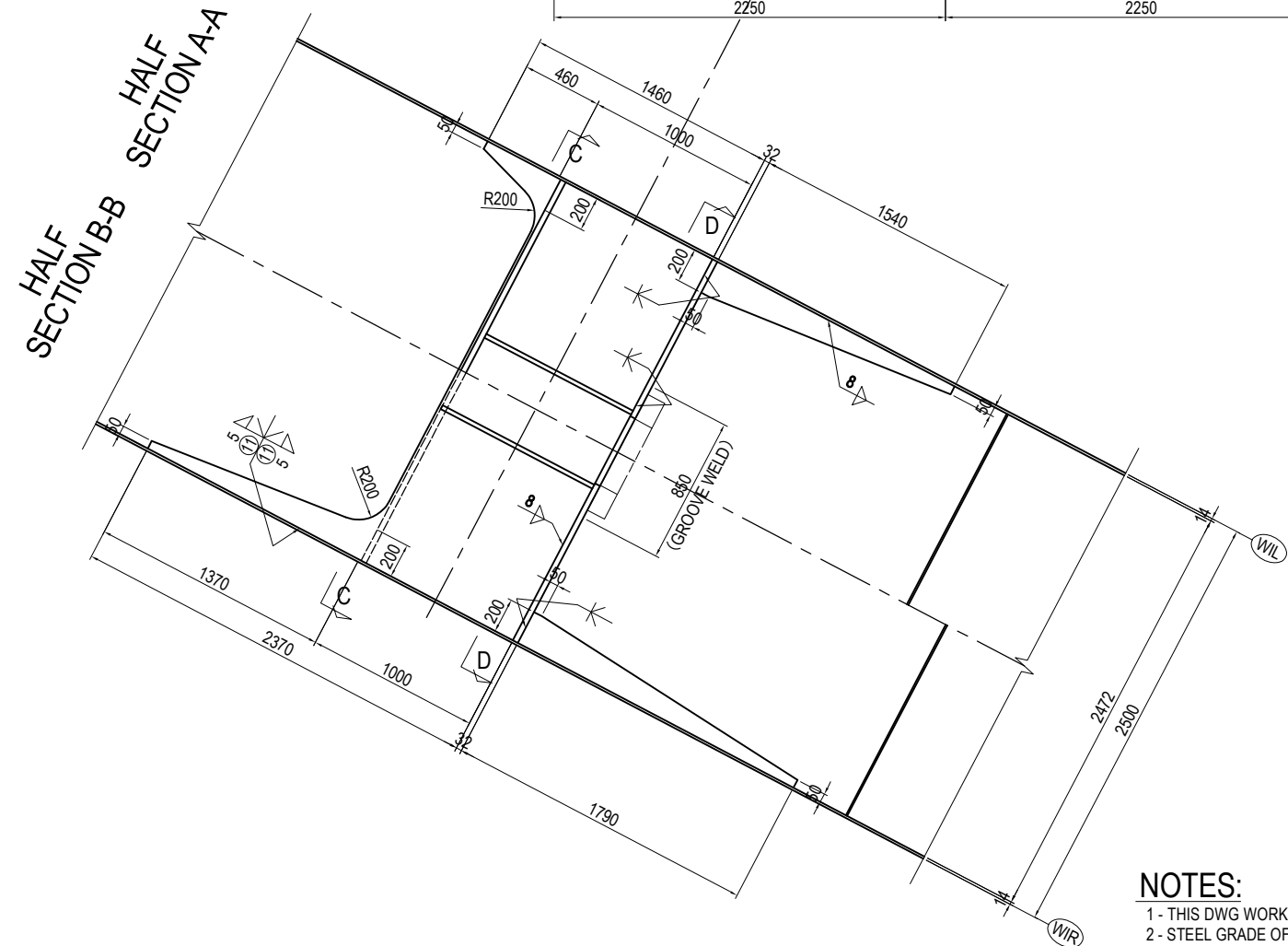
MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (6)

S=1:40

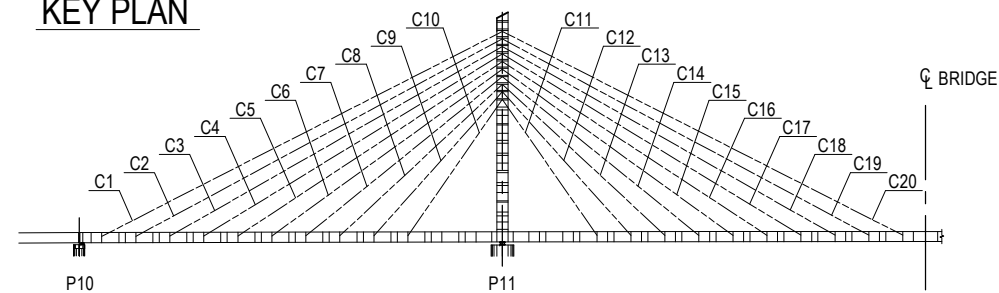
ANCHOR BEAM C19



- 1-FLG PL 935 x 32 x 2472(SM490YB)
- 2-FLG PL 200 x 32 x 2472(SM490YB)
- 1-WEB PL 2370 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1790(SM490YB)
- 1-WEB PL 1460 x 25 x 2472(SM490YB)
- 1-RIB PL 200 x 25 x 1540(SM490YB)
- 2-RIB PL 455 x 25 x 985(SM490YB)
- 4-RIB PL 180 x 25 x 953(SM490YB)
- 1- PL 750 x 110 x 750(SM400C-H)



KEY PLAN



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1494.
- 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

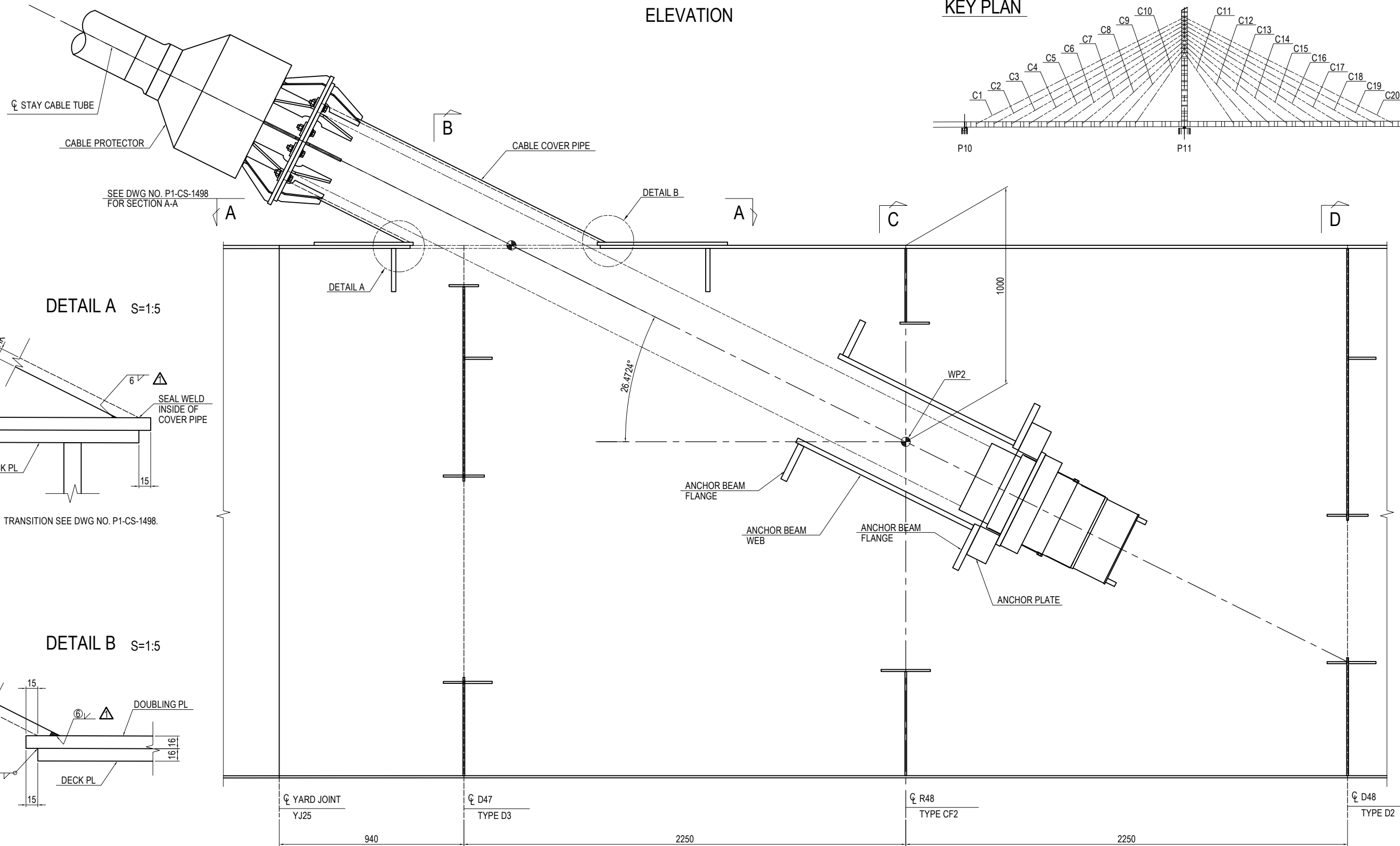
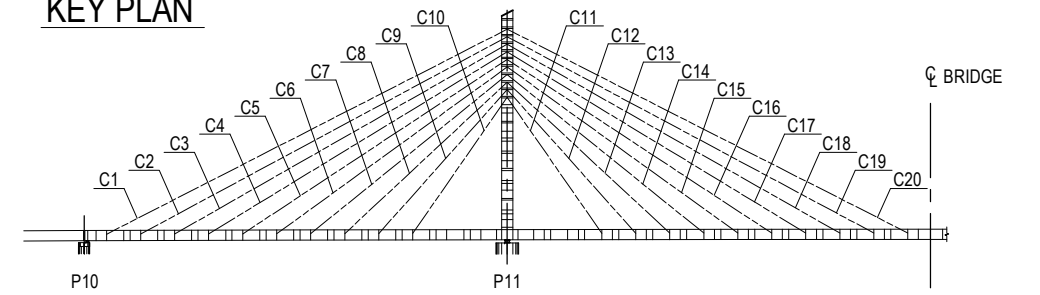
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <p style="text-align: center;">MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C19 (6)</p>	PACKAGE 1 DWG No. P1-CS-1496
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C20 (1)

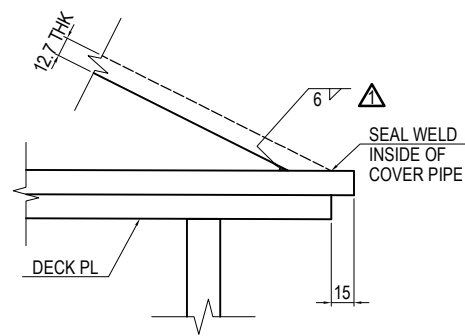
S=1:20

ELEVATION

KEY PLAN

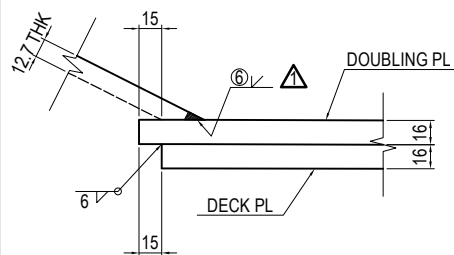


DETAIL A S=1:5



△ TRANSITION SEE DWG NO. P1-CS-1498.

DETAIL B S=1:5



SEE DWG NO. P1-CS-1499
FOR DIAPHRAGM SECTION B-B

SEE DWG NO. P1-CS-1500
FOR CROSSFRAME SECTION C-C

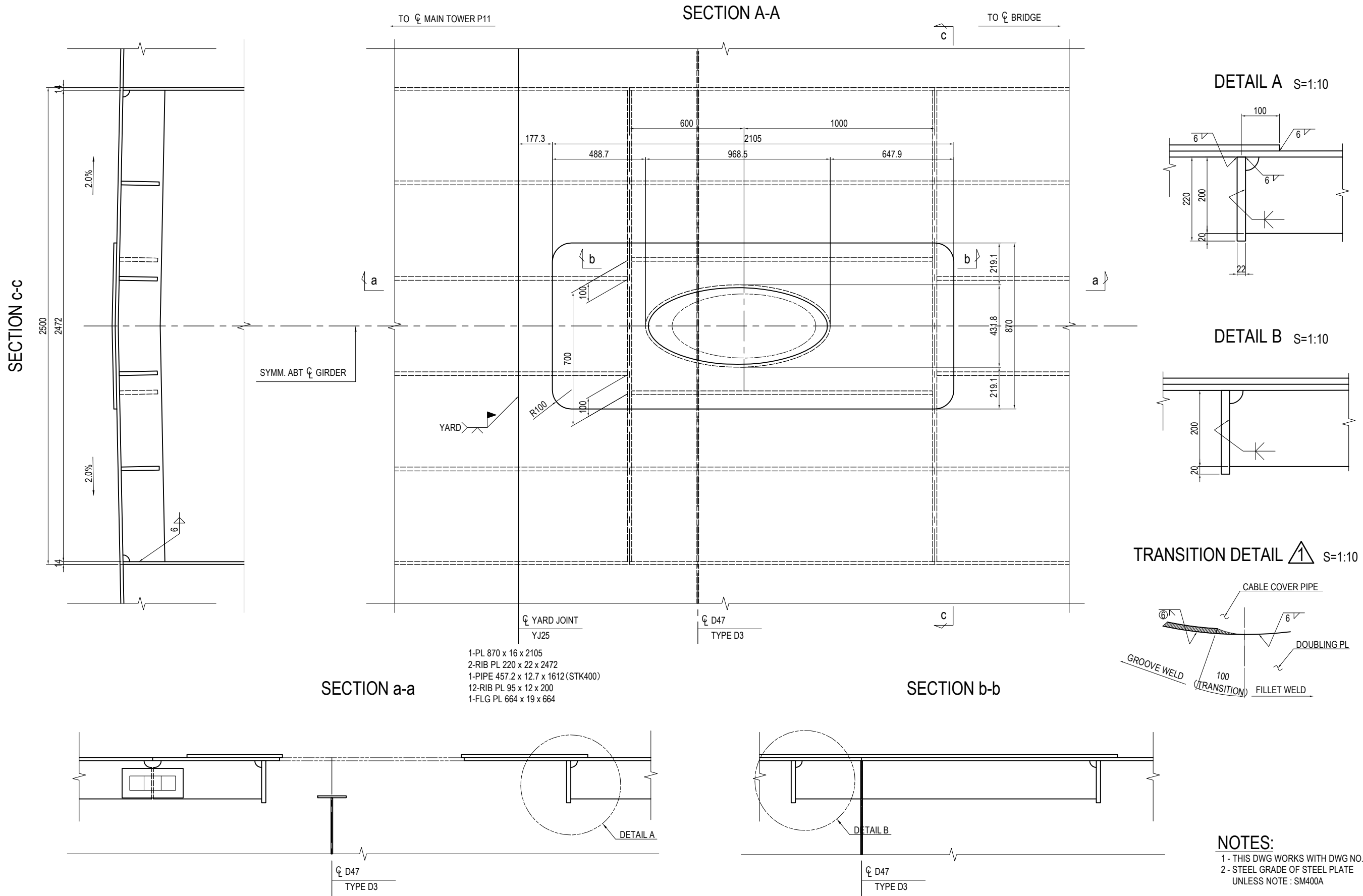
SEE DWG NO. P1-CS-1501
FOR DIAPHRAGM SECTION D-D

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C20 (1)	PACKAGE 1 DWG No. P1-CS-1497
				PREPARED BY				
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C20 (2)

S=1:20



- 1-PL 870 x 16 x 2105
- 2-RIB PL 220 x 22 x 2472
- 1-PIPE 457.2 x 12.7 x 1612 (STK400)
- 12-RIB PL 95 x 12 x 200
- 1-FLG PL 664 x 19 x 664

NOTES:
 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1497.
 2 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C20 (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1498

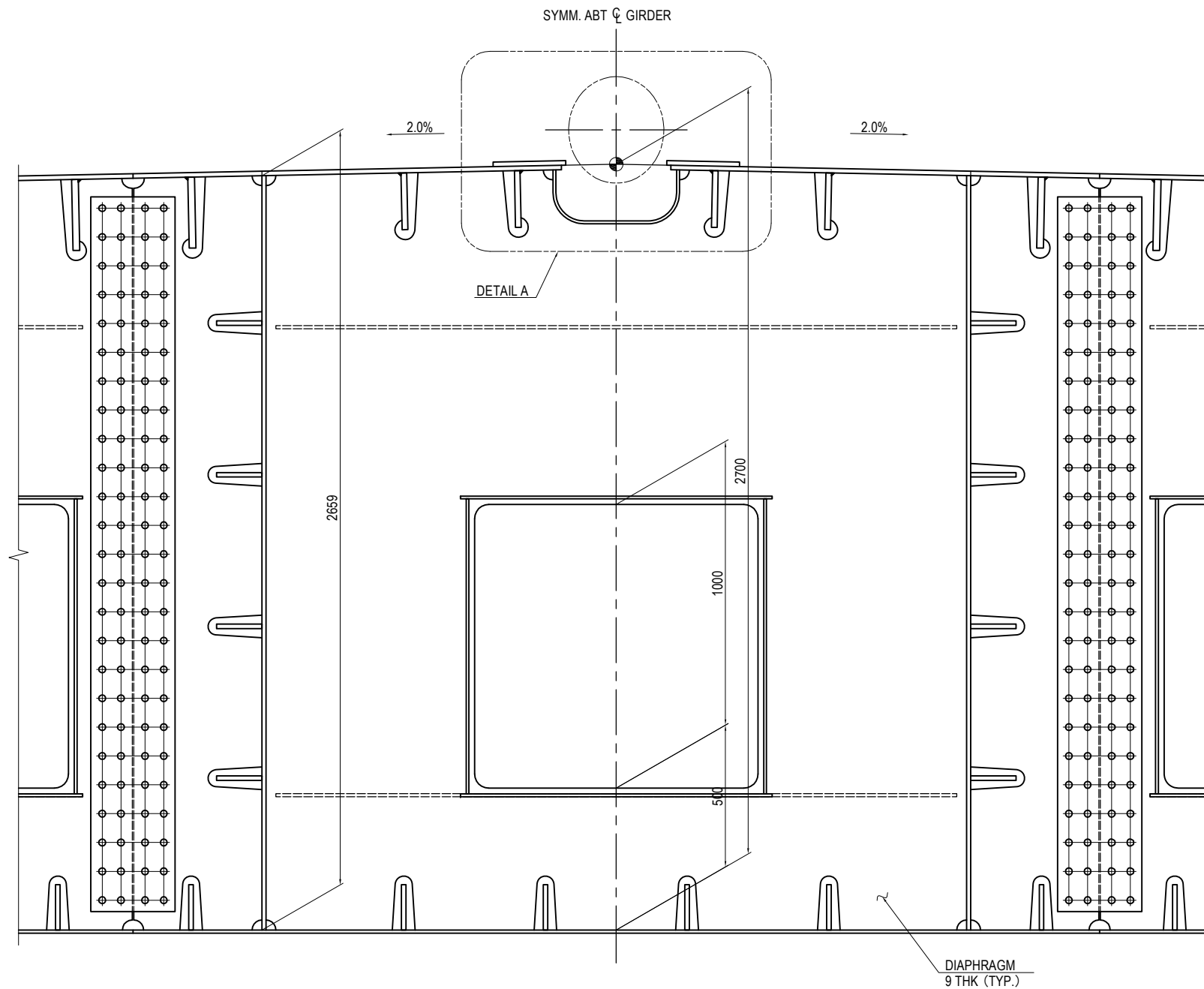
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C20 (3)

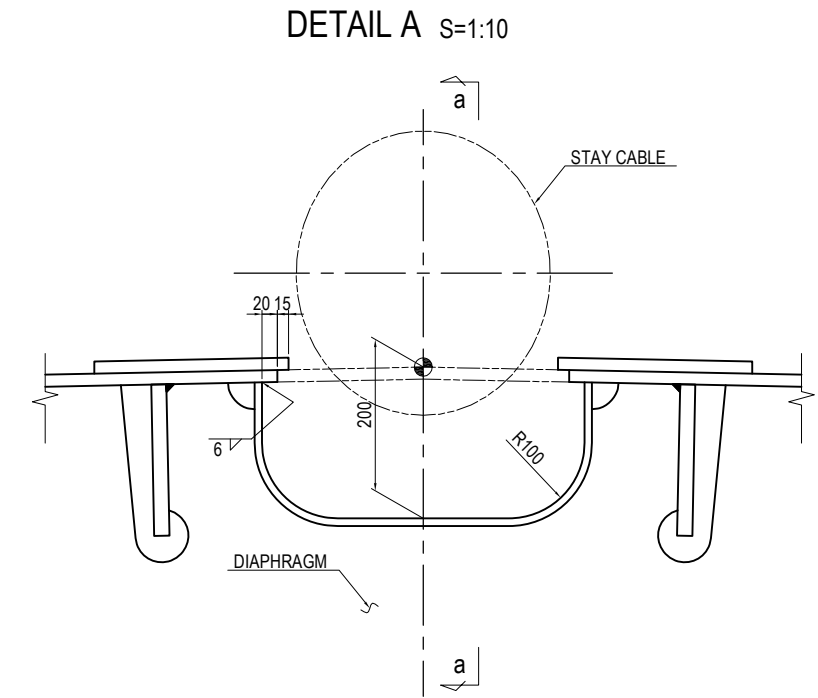
S=1:20

DIAPHRAGM D47

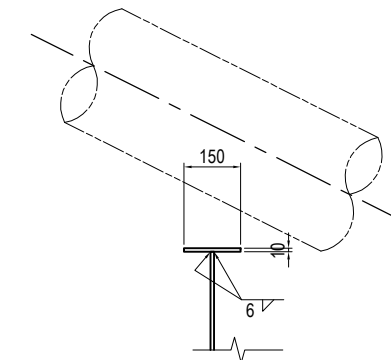
SECTION B-B



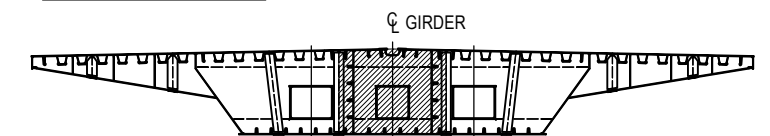
- 2-DIA PL 453 x 9 x 2659
- 1-DIA PL 2472 x 9 x 2684
- 2-HSTIF PL 140 x 11 x 2402
- 3-COLLAR PL 100 x 10 x 1100
- 4-COLLAR PL 90 x 10 x 1040
- 1-FLG PL 150 x 10 x 715



SECTION a-a S=1:20



KEY DIAGRAM



NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1497.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1107
DIAPHRAGM TYPE D1.
- 3 - STEEL GRADE OF STEEL PLATE
UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C20 (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1499

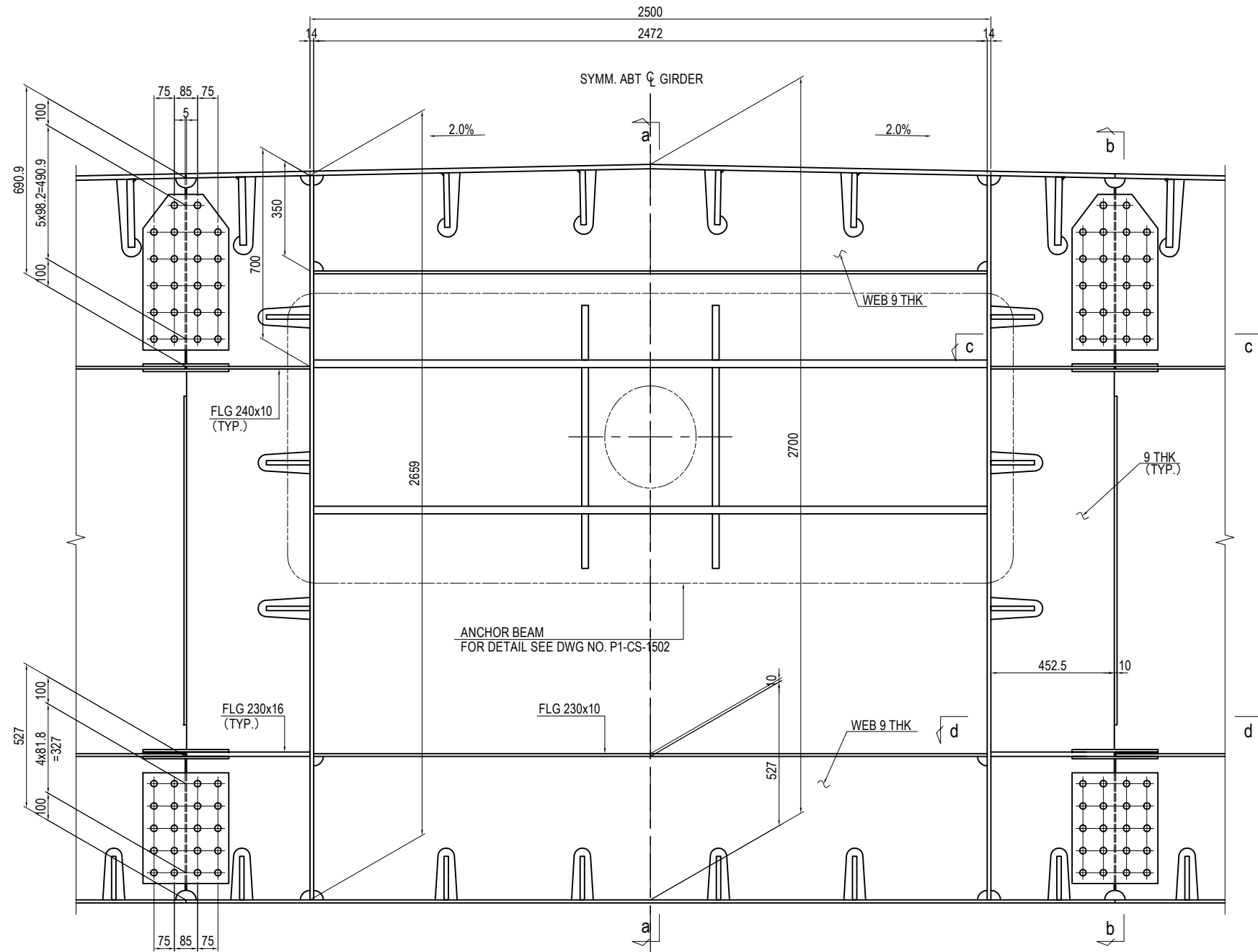
MAIN GIRDER ANCHORAGE OF STAY CABLES

CABLE NO.C20 (4)

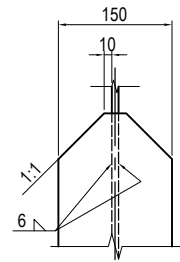
S=1:20

CROSSFRAME R48 SECTION C-C

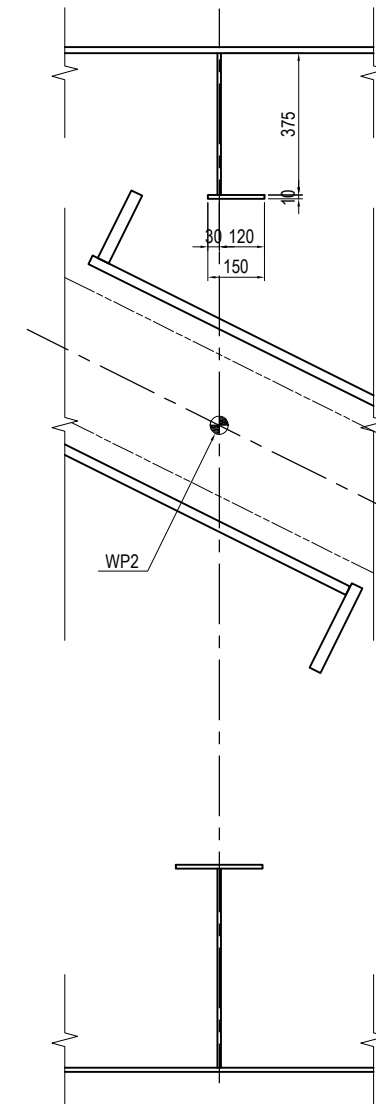
- 2-WEB PL 453 x 9 x 2659 (SM490YA)
- 2-FLG PL 150 x 10 x 1206 (SM490YA)
- 4-FLG PL 116 x 10 x 453 (SM490YA)
- 4-FLG PL 111 x 16 x 453 (SM490YA)
- 1-WEB PL 375 x 9 x 2472 (SM490YA)
- 1-FLG PL 150 x 10 x 2472 (SM490YA)
- 1-WEB PL 527 x 9 x 2472
- 1-FLG PL 230x 10 x 2472



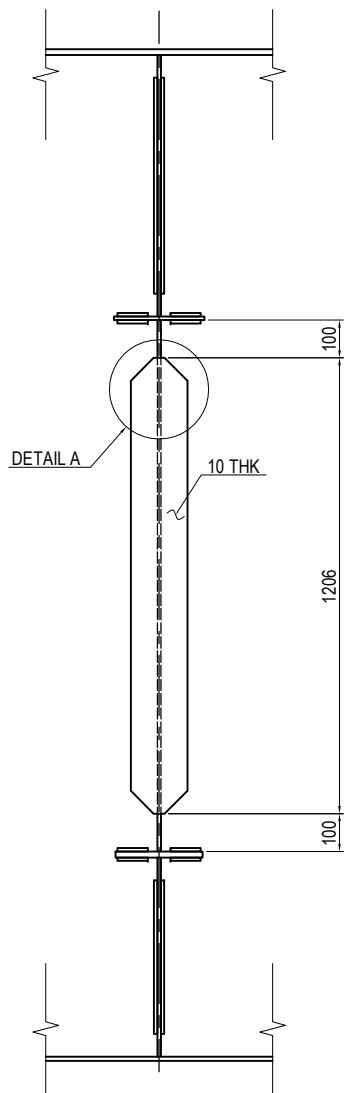
DETAIL A S=1:10



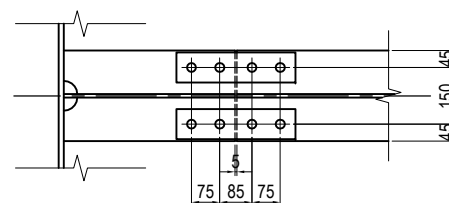
SECTION a-a



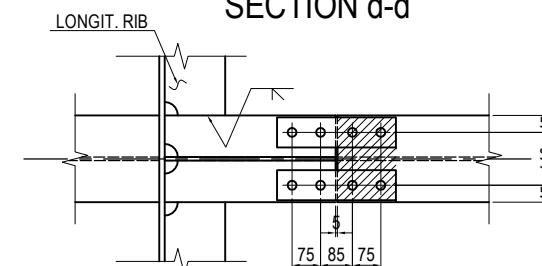
SECTION b-b



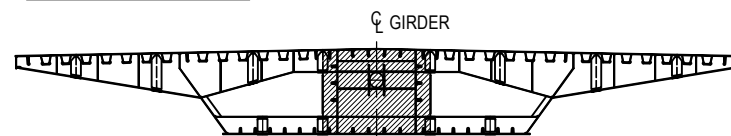
SECTION c-c



SECTION d-d



KEY DIAGRAM



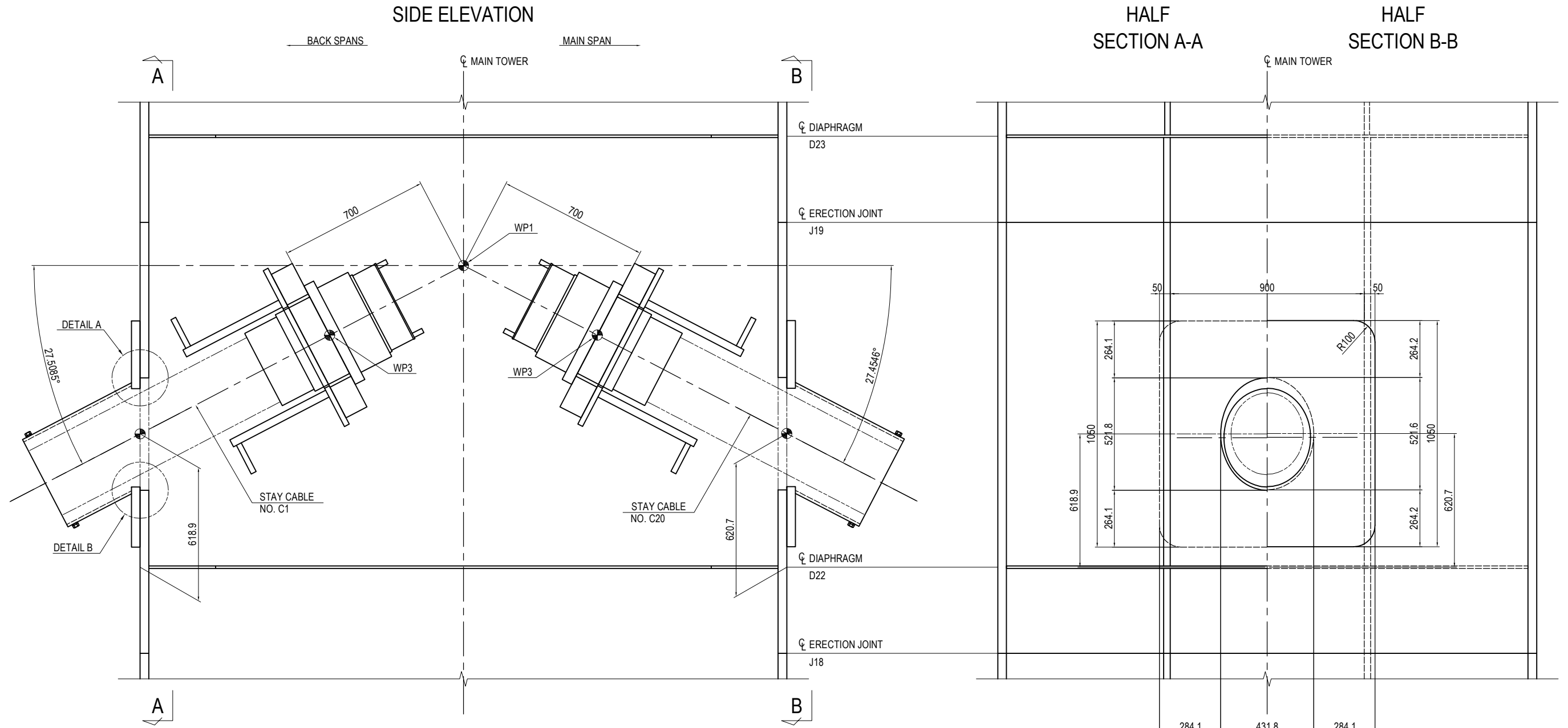
NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-1497.
- 2 - UNLESS NOTED OTHERWISE SEE DWG NO. P1-CS-1108 CROSSFRAME TYPE CF1.
- 3 - STEEL GRADE OF STEEL PLATE UNLESS NOTE : SM400A

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCHORAGE OF STAY CABLES CABLE NO.C20 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1500

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (1)

S=1:20

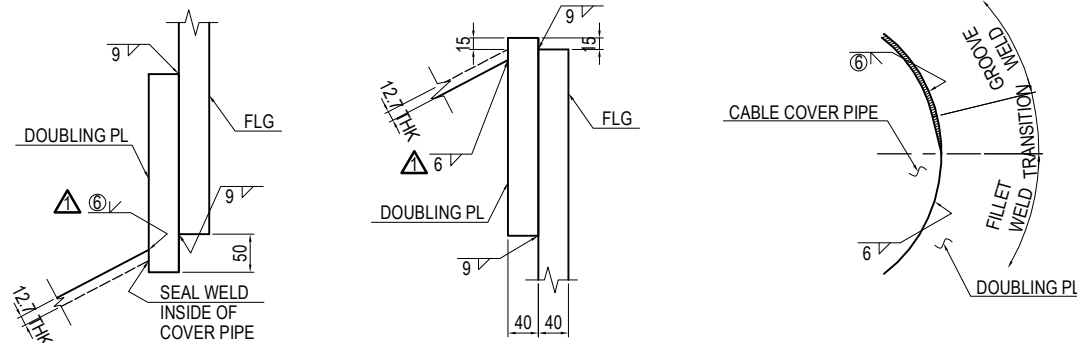


2-PL 1050 x 40 x 1000 (SM490YB)
2-PIPE 457.2 x 12.7 x 570 (STK400)

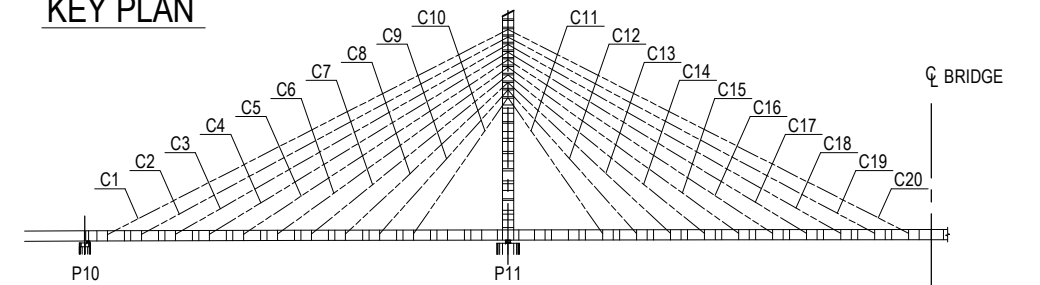
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



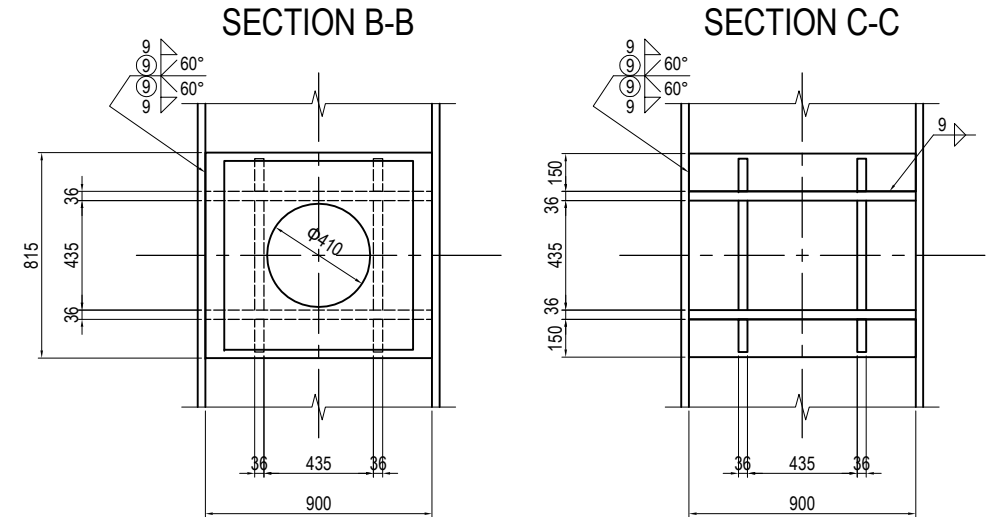
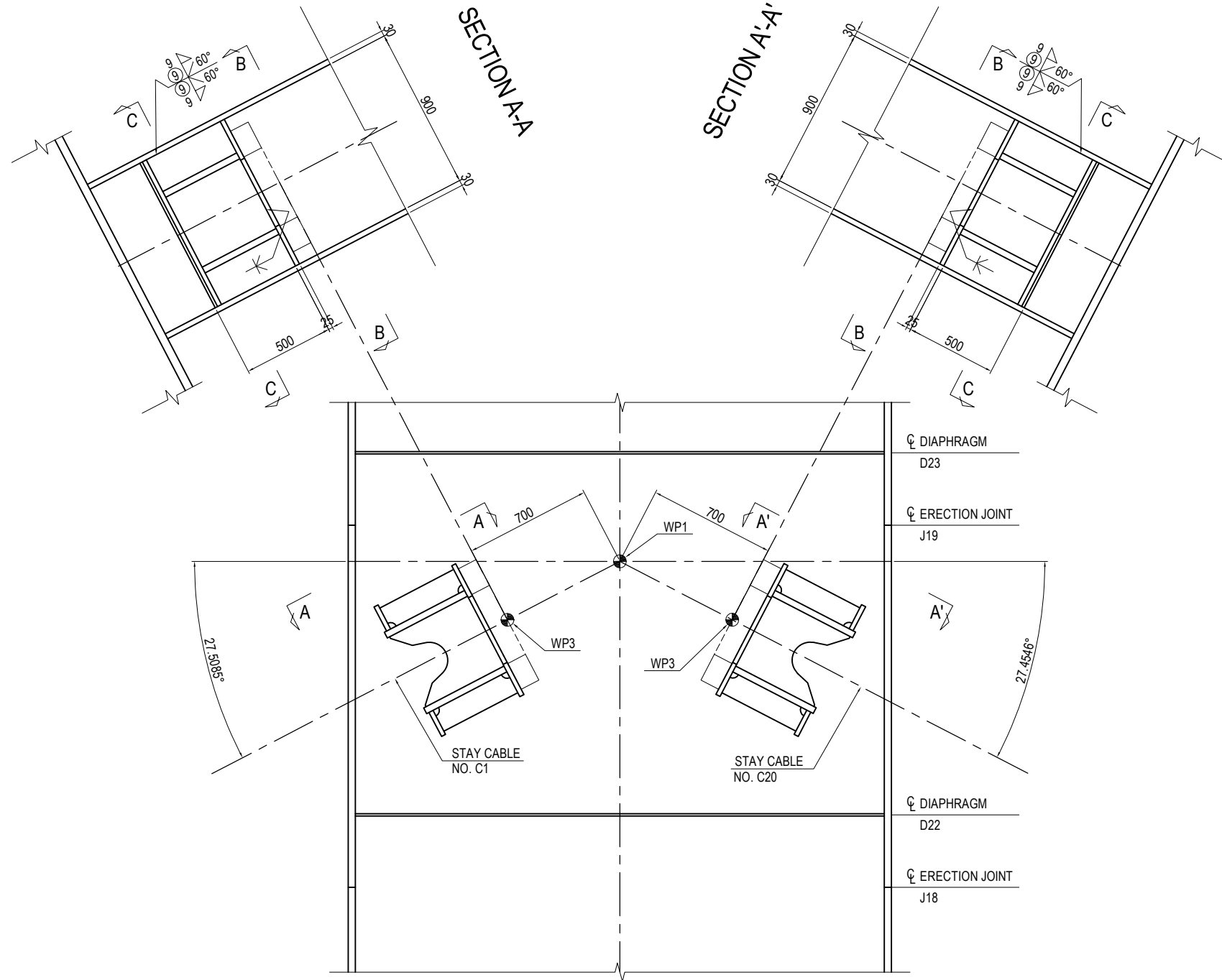
KEY PLAN



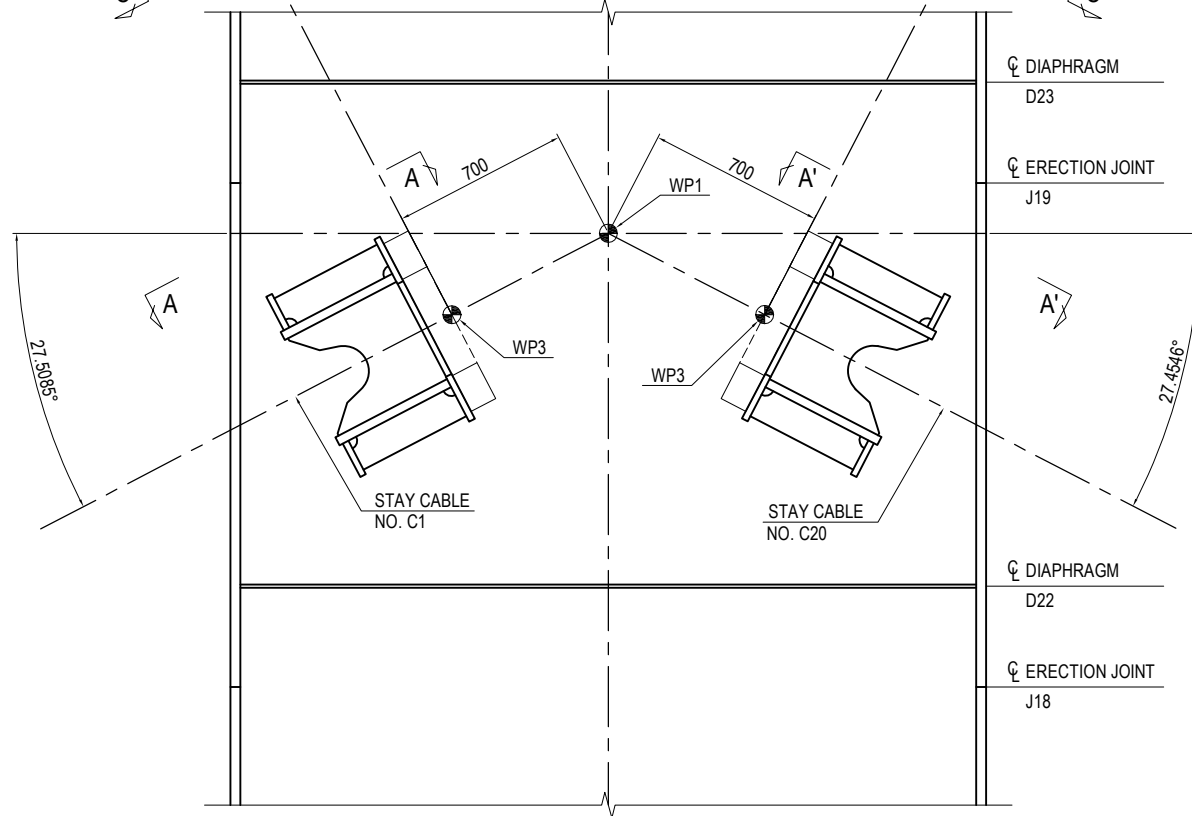
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (1)	<small>PACKAGE</small> 1 DWG No. P1-CS-1503
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (2)

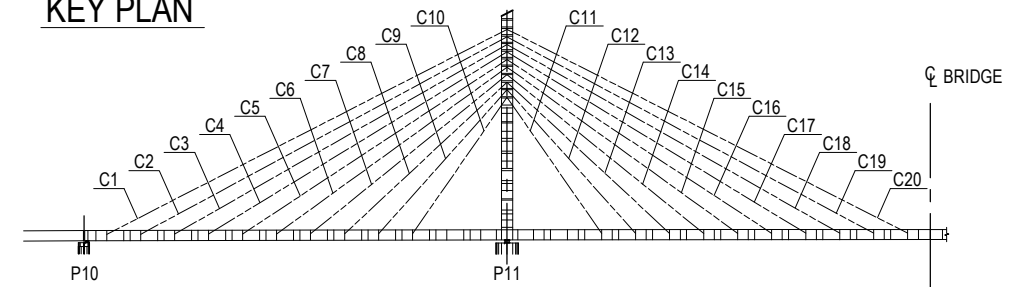
S=1:30



- 2-FLG PL 815 x 25 x 900 (SM490YB)
- 4-FLG PL 150 x 25 x 900 (SM490YB)
- 4-WEB PL 500 x 36 x 900 (SM490YB)
- 4-RIB PL 435 x 36 x 485 (SM490YB)
- 8-RIB PL 130 x 36 x 460 (SM490YB)
- 2-ANC PL 740 x 110 x 740 (SS400)



KEY PLAN



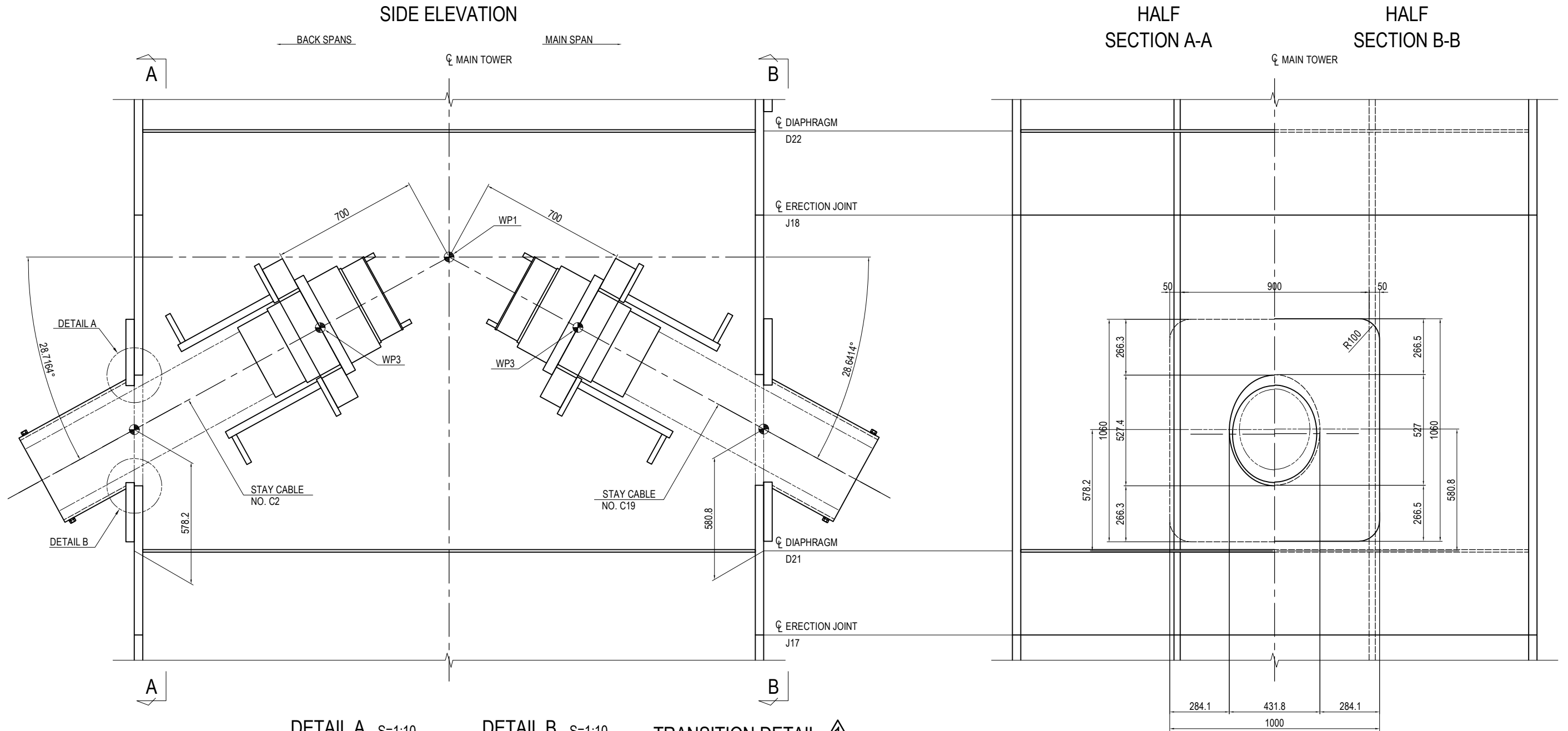
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1503.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (2) </td> </tr> </tbody> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1504</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1504
	NAME	SIGNATURE	DATE																									
PREPARED BY	T.TOMODA																											
CHECKED BY	T. HAYAKAWA																											
APPROVED BY	Y. SANO																											
DRAWING TITLE																												
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C1 & C20 (2)																												
PACKAGE																												
1																												
DWG No.																												
P1-CS-1504																												

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (1)

S=1:20

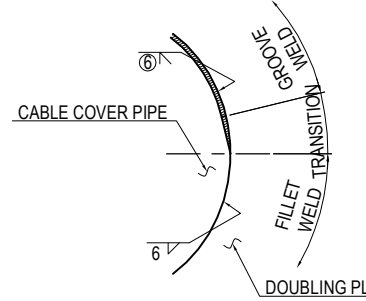
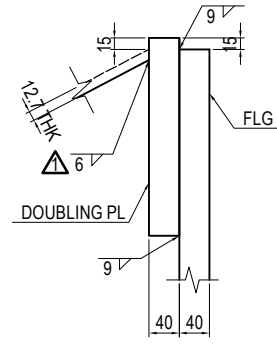
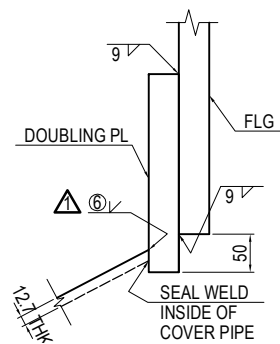


2-PL 1060 x 40 x 1000 (SM490YB)
2-PIPE 457.2 x 12.7 x 581 (STK400)

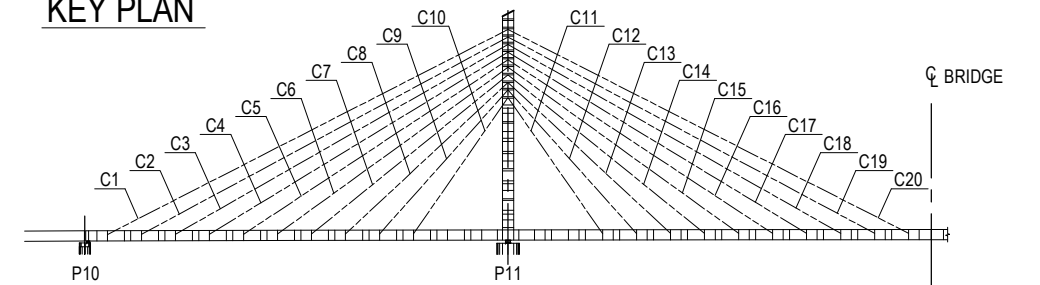
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



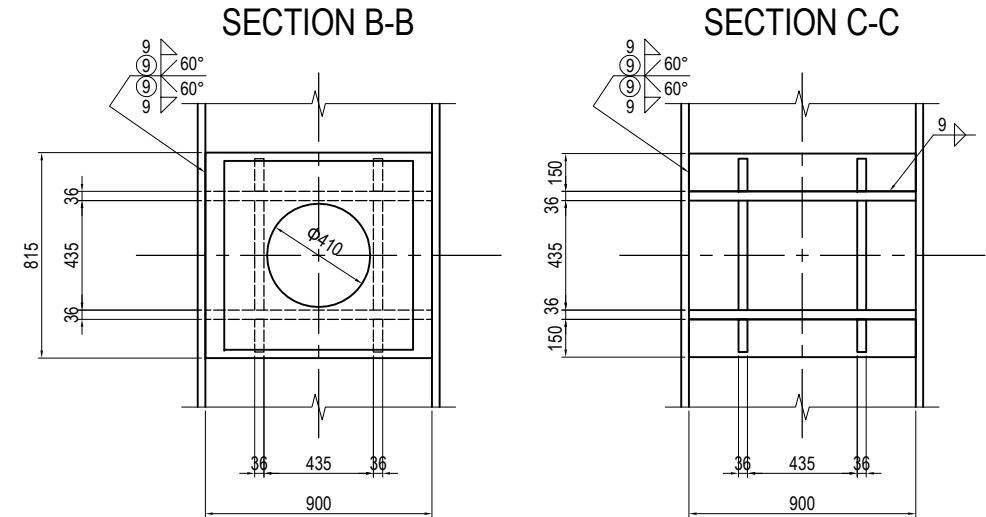
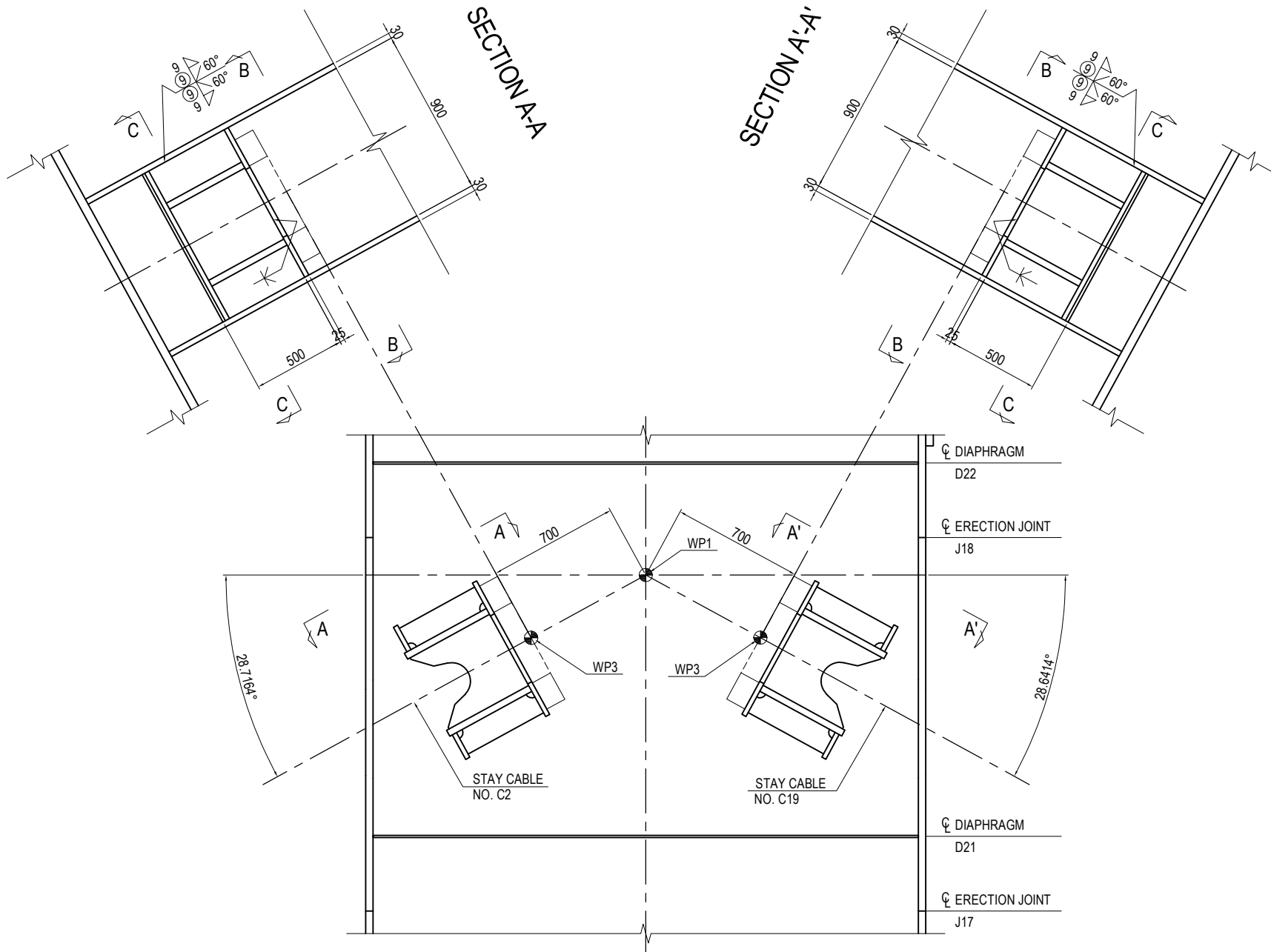
KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (1)	PACKAGE 1 DWG No. P1-CS-1505
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

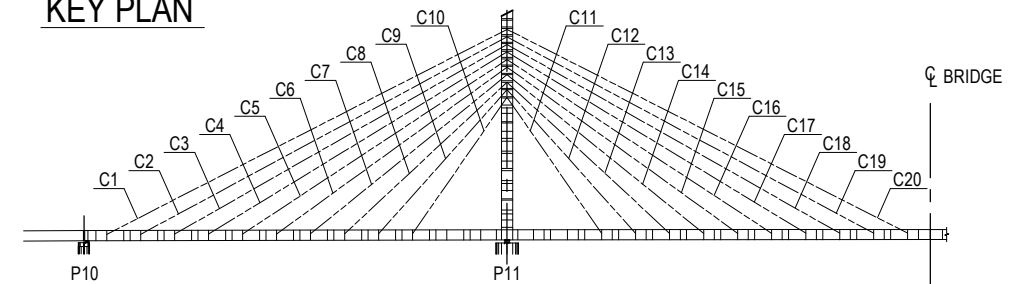
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (2)

S=1:30



- 2-FLG PL 815 x 25 x 900 (SM490YB)
- 4-FLG PL 150 x 25 x 900 (SM490YB)
- 4-WEB PL 500 x 36 x 900 (SM490YB)
- 4-RIB PL 435 x 36 x 485 (SM490YB)
- 8-RIB PL 130 x 36 x 460 (SM490YB)
- 2-ANC PL 740 x 110 x 740 (SS400)

KEY PLAN



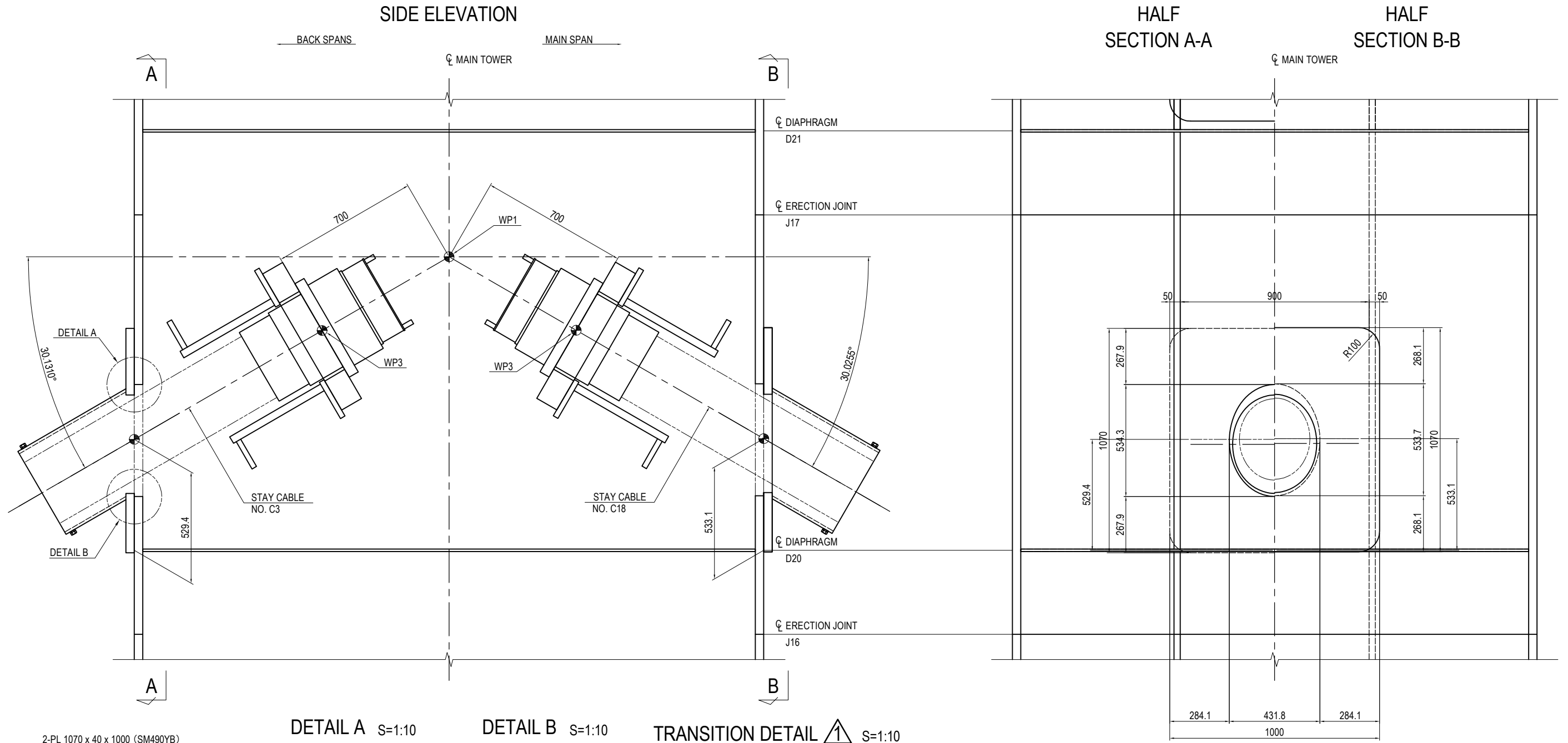
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1505.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (2) </td> </tr> </tbody> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1506</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1506
NAME	SIGNATURE	DATE																						
PREPARED BY	T.TOMODA																							
CHECKED BY	T. HAYAKAWA																							
APPROVED BY	Y. SANO																							
DRAWING TITLE																								
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C2 & C19 (2)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1506																								

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (1)

S=1:20



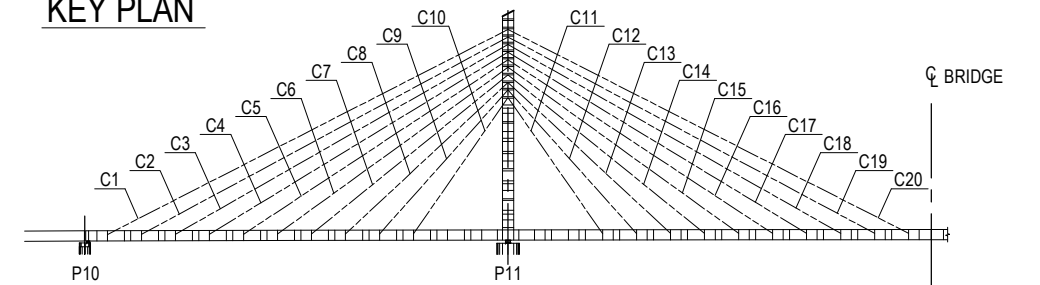
2-PL 1070 x 40 x 1000 (SM490YB)
1-PIPE 457.2 x 12.7 x 595 (STK400)
1-PIPE 457.2 x 12.7 x 594 (STK400)

DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10

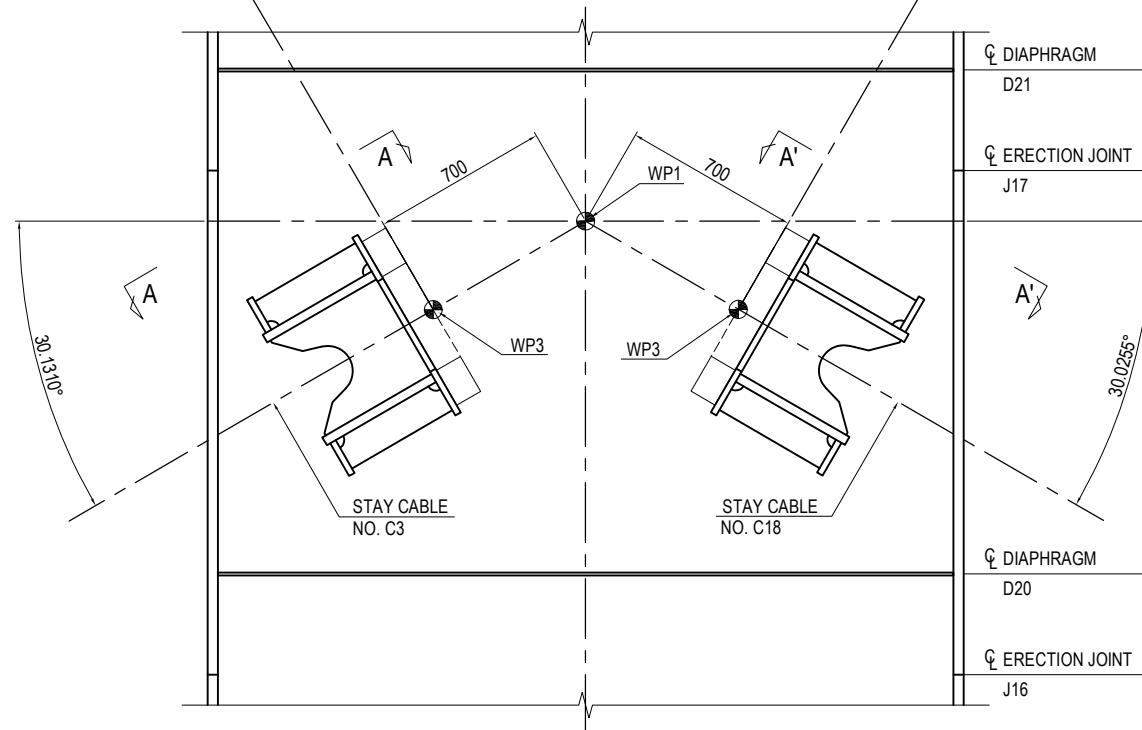
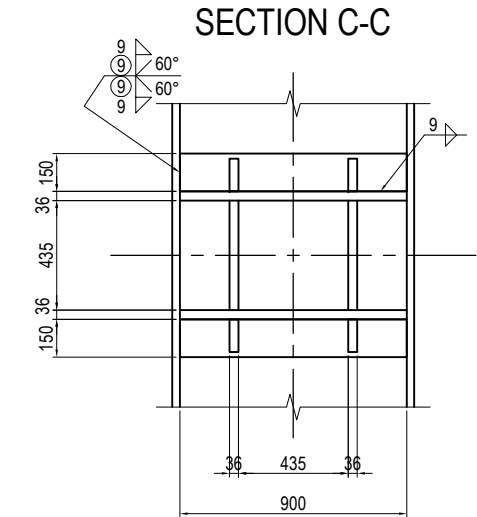
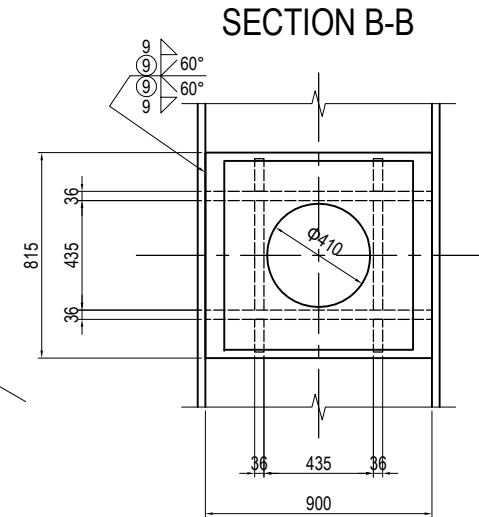
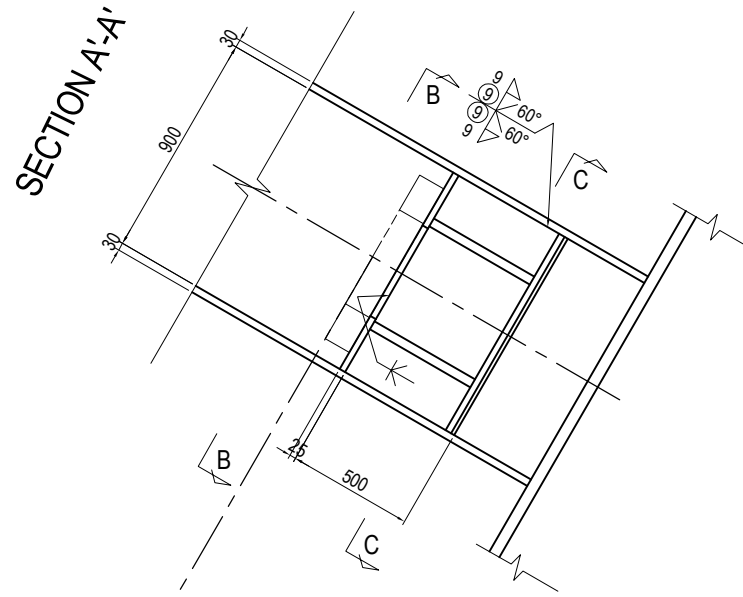
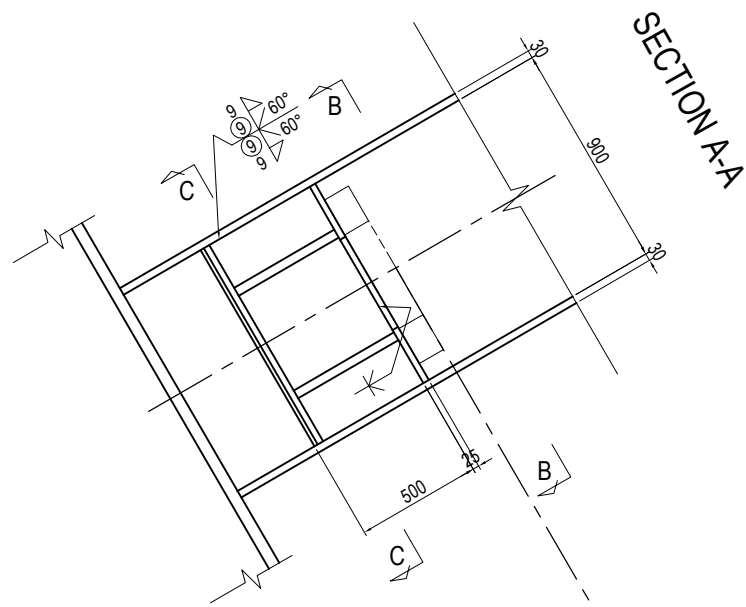
KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (1)	PACKAGE 1 DWG No. P1-CS-1507
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

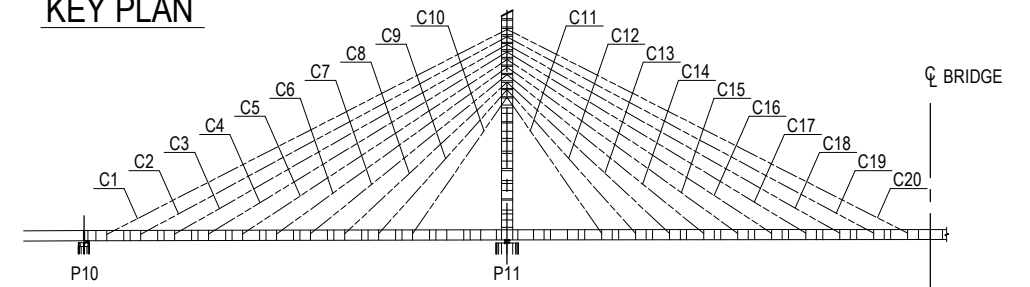
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (2)

S=1:30



- 2-FLG PL 815 x 25 x 900 (SM490YB)
- 4-FLG PL 150 x 25 x 900 (SM490YB)
- 4-WEB PL 500 x 36 x 900 (SM490YB)
- 4-RIB PL 435 x 36 x 485 (SM490YB)
- 8-RIB PL 130 x 36 x 460 (SM490YB)
- 2-ANC PL 740 x 110 x 740 (SS400)

KEY PLAN



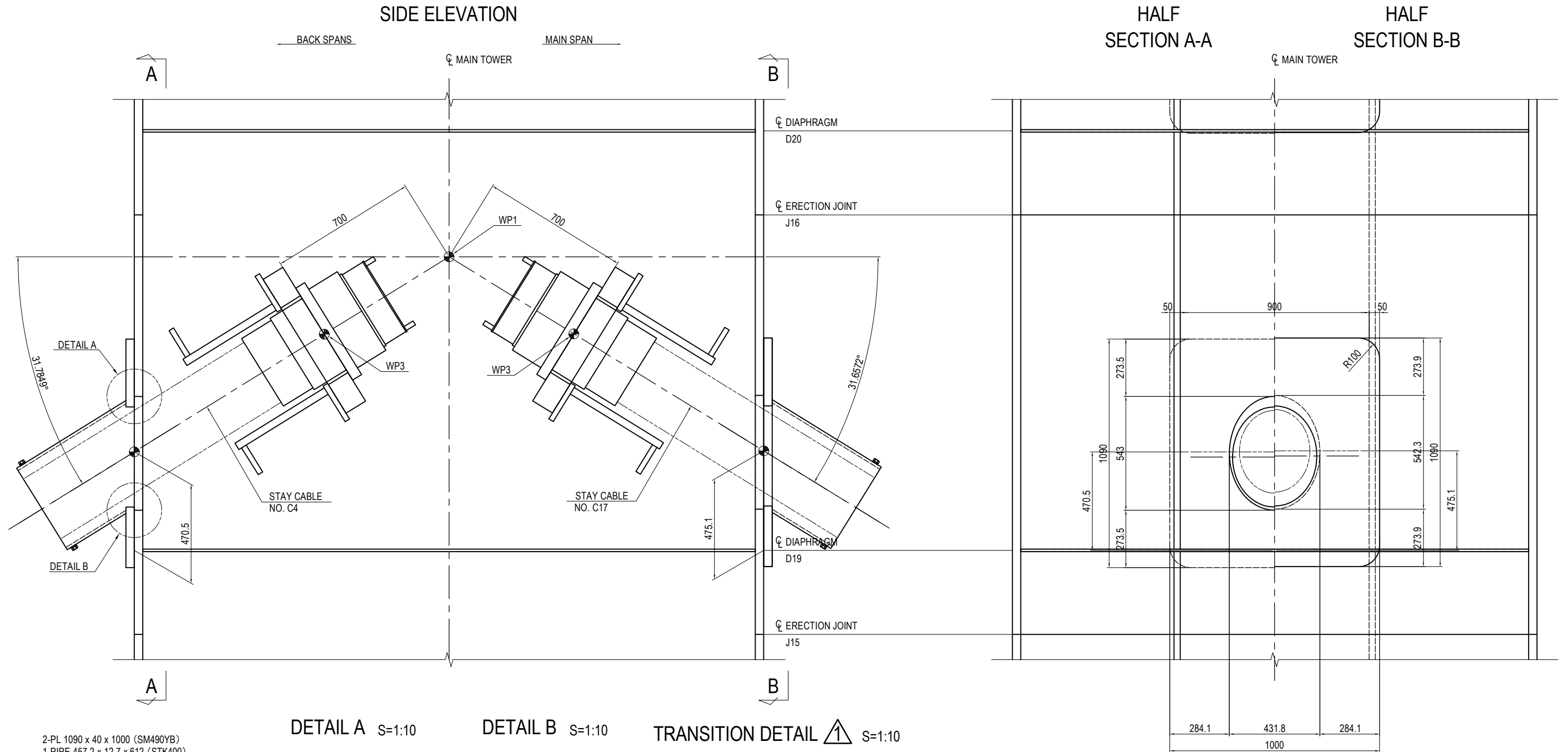
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1507.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (2) </td> </tr> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 100%;">PACKAGE</th> </tr> <tr> <td style="text-align: center;"> 1 DWG No. P1-CS-1508 </td> </tr> </table>	PACKAGE	1 DWG No. P1-CS-1508
NAME	SIGNATURE	DATE																				
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					
DRAWING TITLE																						
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C3 & C18 (2)																						
PACKAGE																						
1 DWG No. P1-CS-1508																						

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (1)

S=1:20

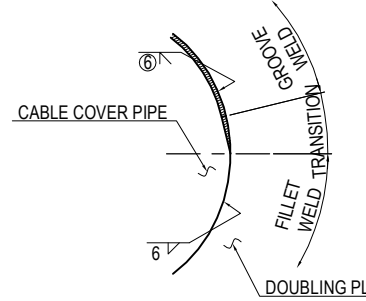
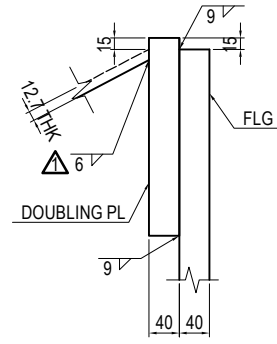
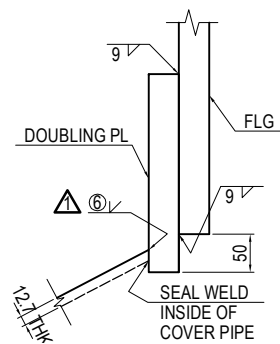


2-PL 1090 x 40 x 1000 (SM490YB)
1-PIPE 457.2 x 12.7 x 612 (STK400)
1-PIPE 457.2 x 12.7 x 611 (STK400)

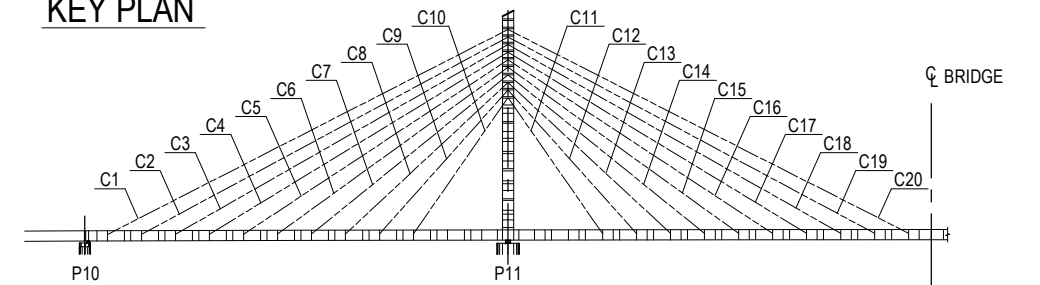
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



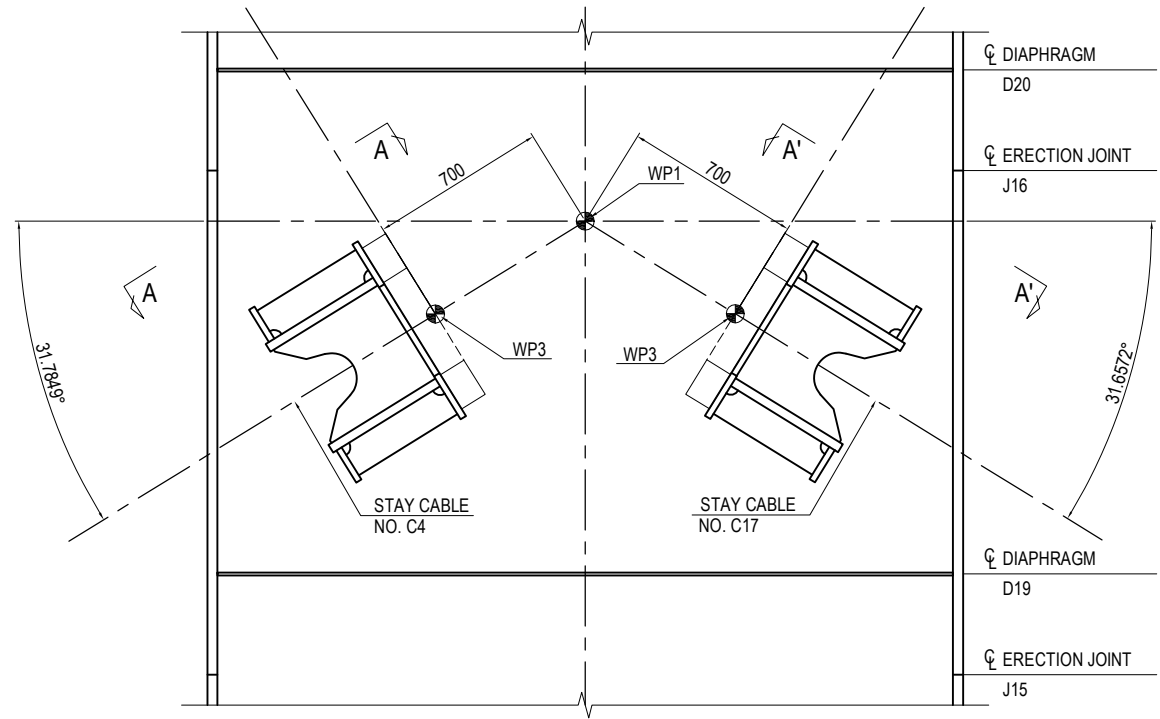
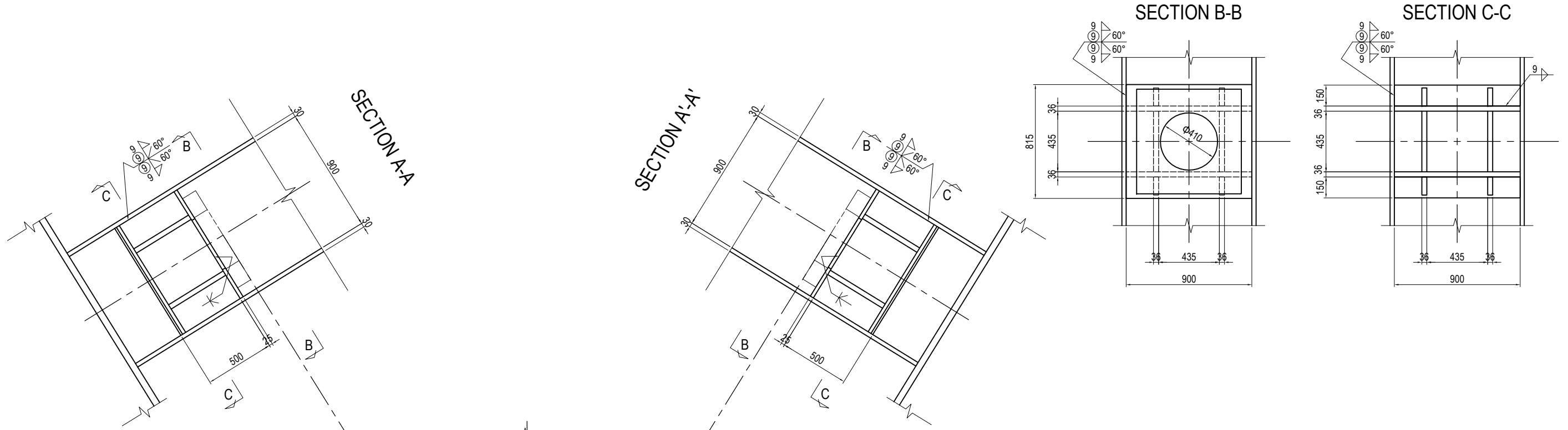
KEY PLAN



<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>NAME T.TOMODA</p> <p>SIGNATURE</p>	<p>DATE</p>	<p>DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-1509</p>
<p>PREPARED BY CHECKED BY APPROVED BY</p>				<p>T.HAYAKAWA</p> <p>Y. SANO</p>			

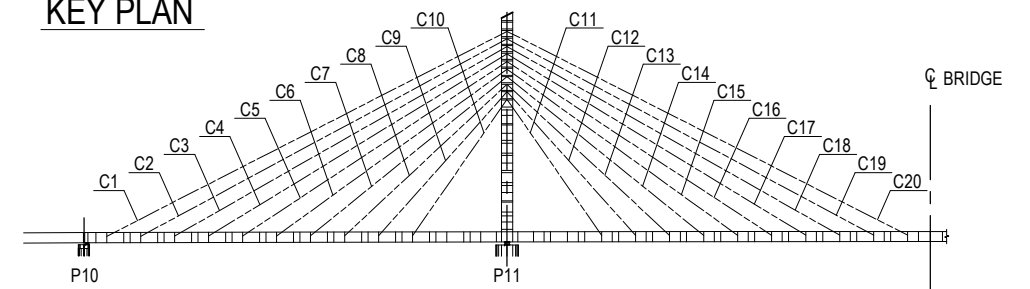
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (2)

S=1:30



- 2-FLG PL 815 x 25 x 900 (SM490YB)
- 4-FLG PL 150 x 25 x 900 (SM490YB)
- 4-WEB PL 500 x 36 x 900 (SM490YB)
- 4-RIB PL 435 x 36 x 485 (SM490YB)
- 8-RIB PL 130 x 36 x 460 (SM490YB)
- 2-ANC PL 740 x 110 x 740 (SS400)

KEY PLAN



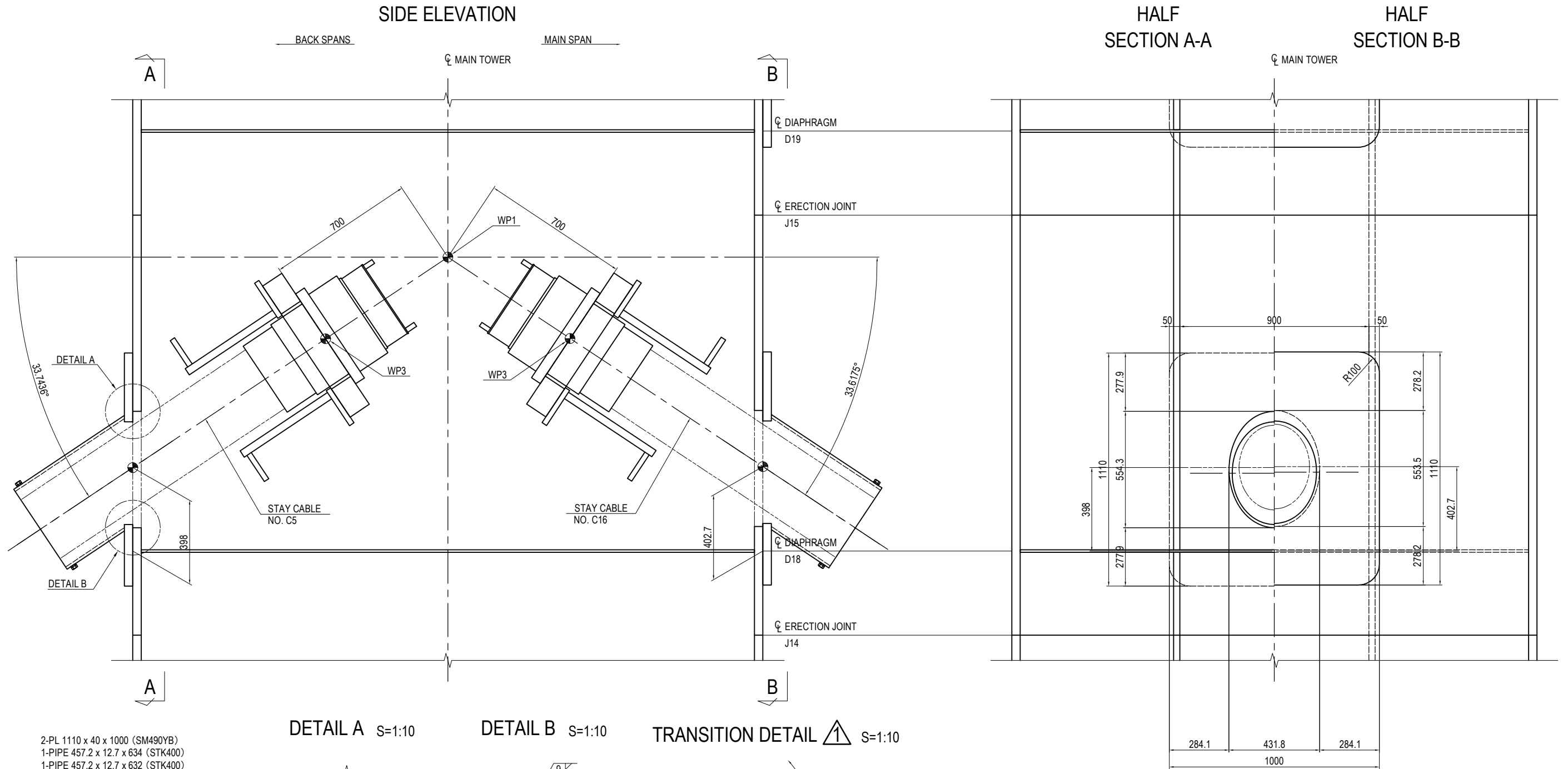
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1509.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (2) </td> </tr> </tbody> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1510</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1510
NAME	SIGNATURE	DATE																						
PREPARED BY	T.TOMODA																							
CHECKED BY	T. HAYAKAWA																							
APPROVED BY	Y. SANO																							
DRAWING TITLE																								
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C4 & C17 (2)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1510																								

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (1)

S=1:20

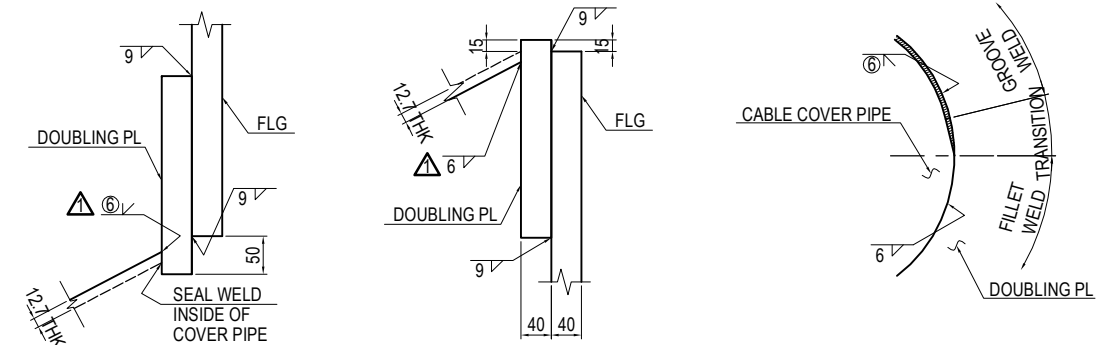


2-PL 1110 x 40 x 1000 (SM490YB)
1-PIPE 457.2 x 12.7 x 634 (STK400)
1-PIPE 457.2 x 12.7 x 632 (STK400)

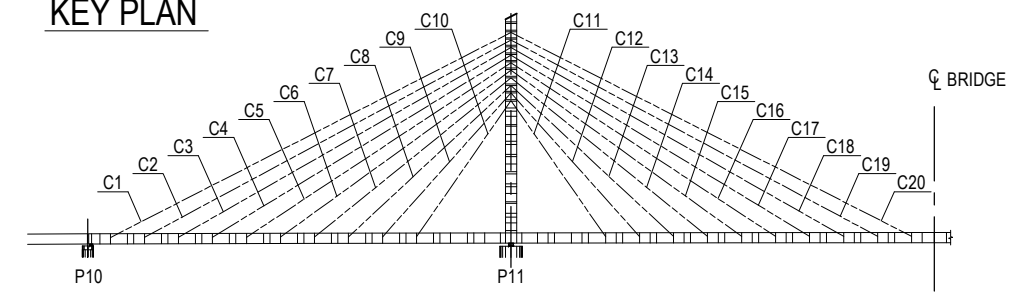
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



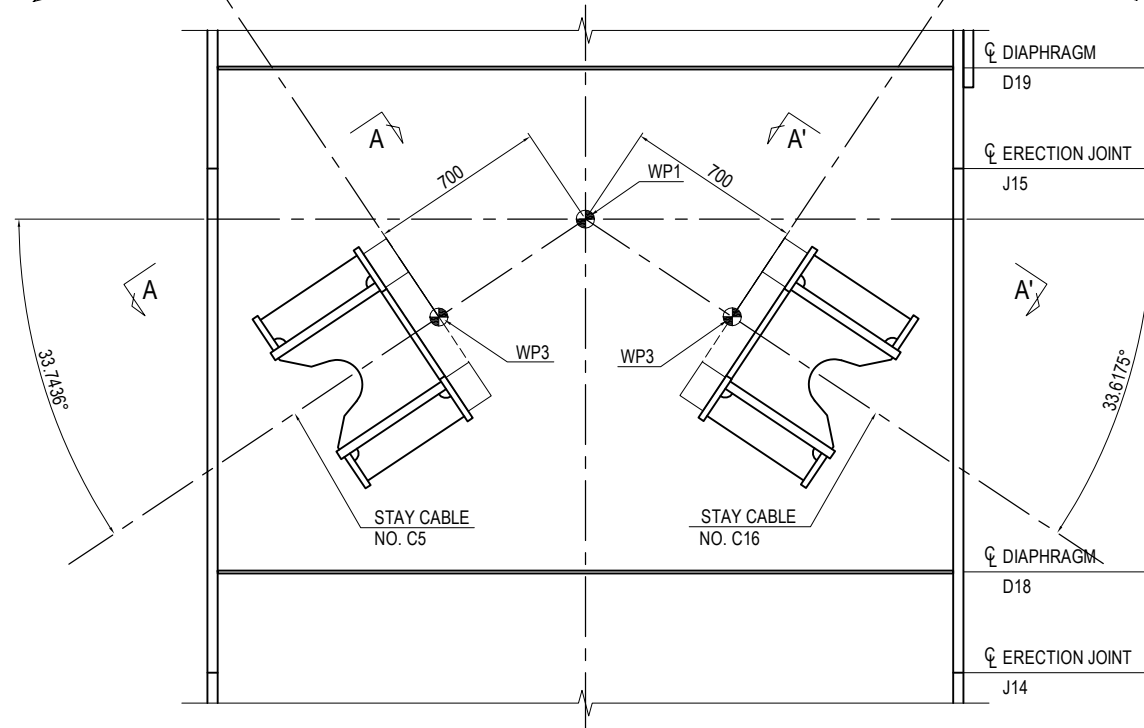
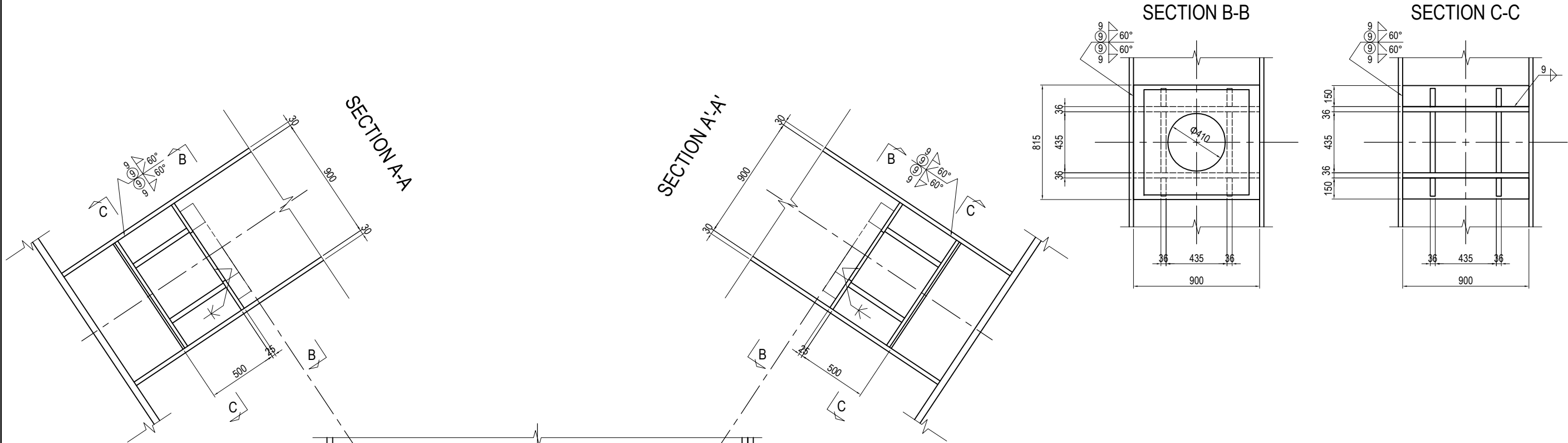
KEY PLAN



<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">NAME</td> <td style="width: 20%;">SIGNATURE</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center;">MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (1)</p>	<p style="text-align: center;">PACKAGE</p> <p style="text-align: center;">1 DWG No. P1-CS-1511</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

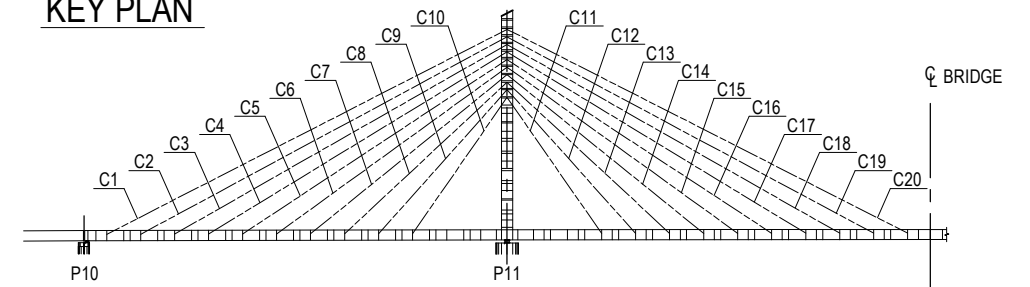
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (2)

S=1:30



- 2-FLG PL 815 x 25 x 900 (SM490YB)
- 4-FLG PL 150 x 25 x 900 (SM490YB)
- 4-WEB PL 500 x 36 x 900 (SM490YB)
- 4-RIB PL 435 x 36 x 485 (SM490YB)
- 8-RIB PL 130 x 36 x 460 (SM490YB)
- 2-ANC PL 740 x 110 x 740 (SS400)

KEY PLAN



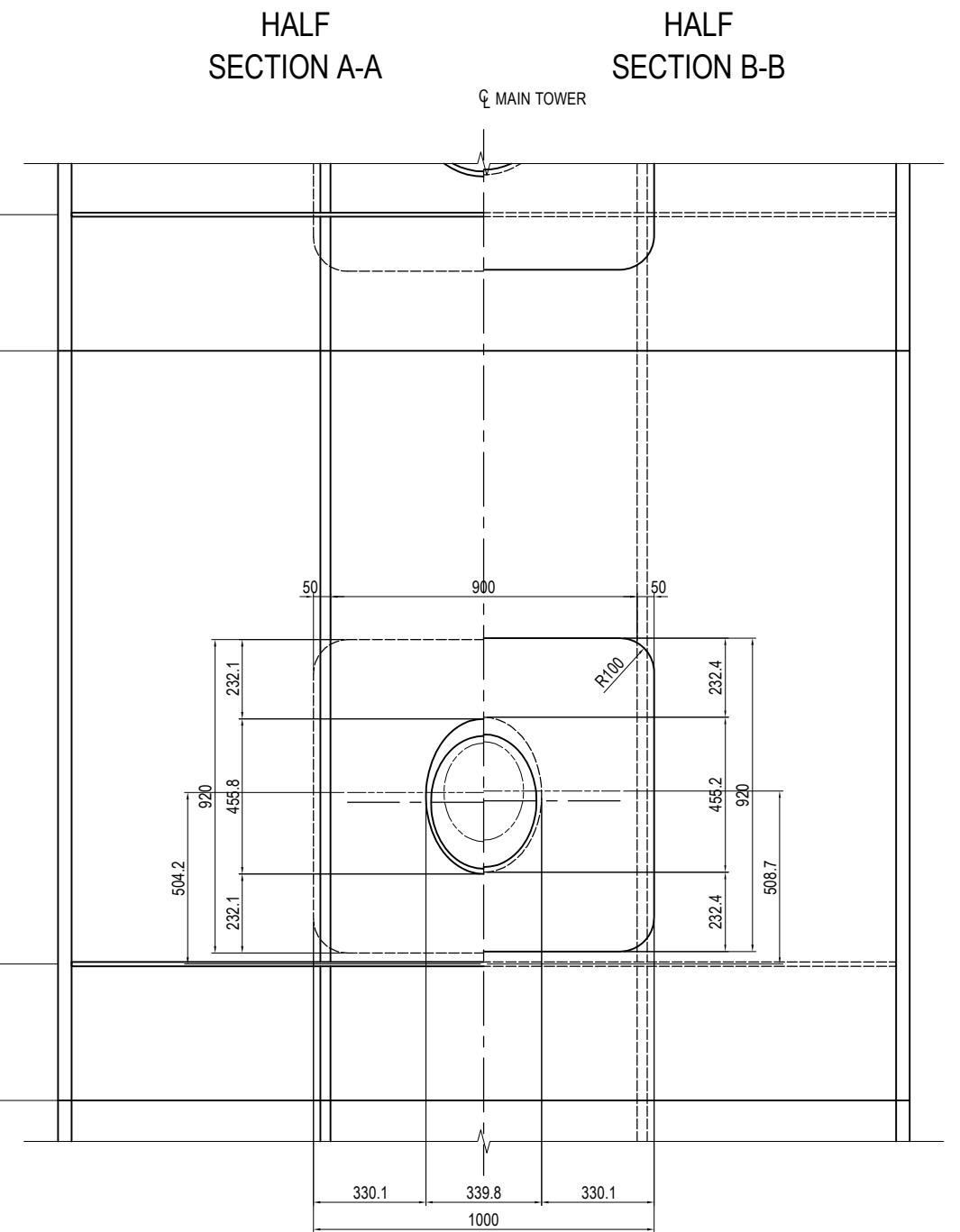
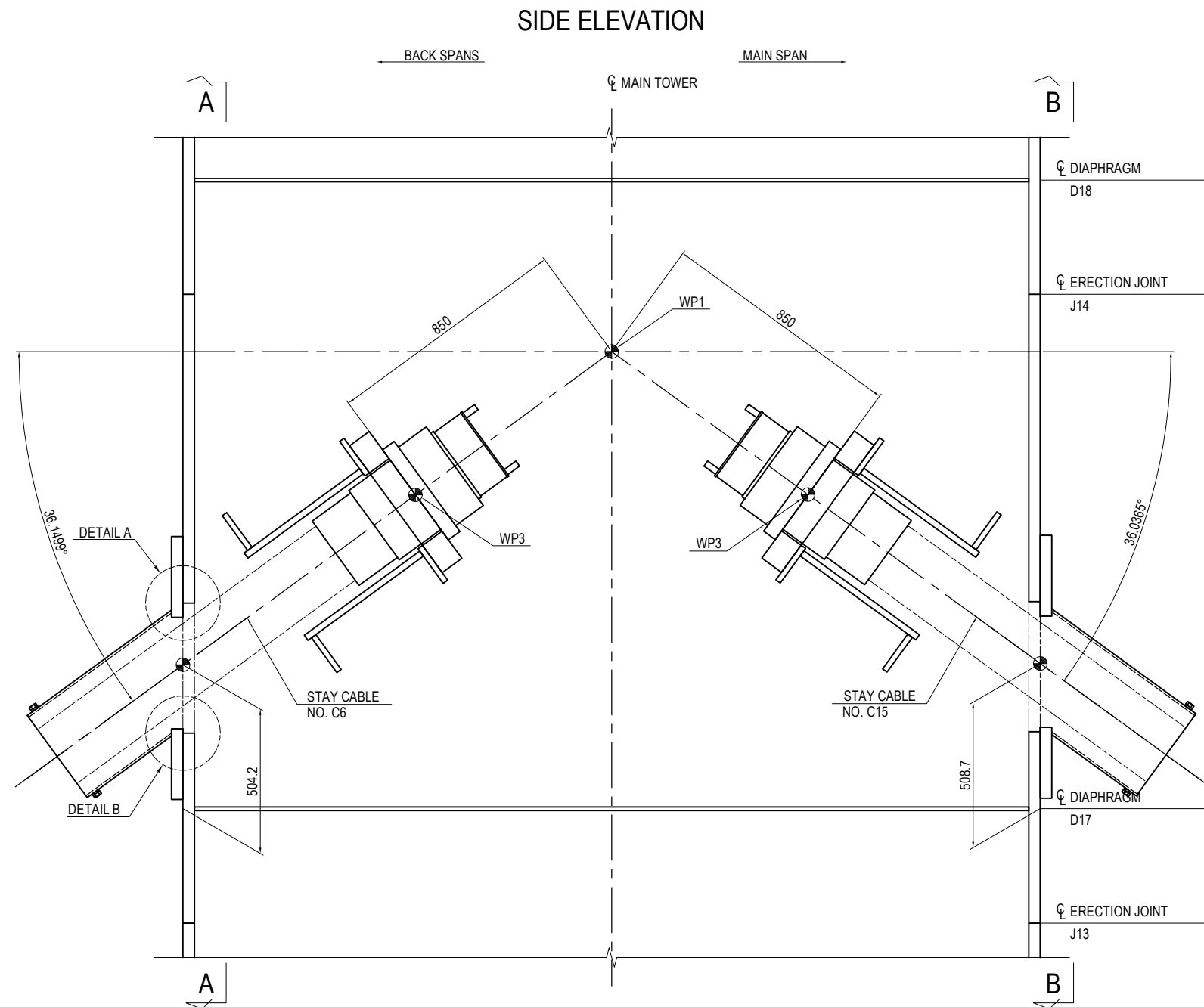
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1511.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">DRAWING TITLE</th> </tr> <tr> <td colspan="2" style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (2) </td> </tr> </table>	DRAWING TITLE		MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (2)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1512</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-1512
NAME	SIGNATURE	DATE																								
PREPARED BY	T.TOMODA																									
CHECKED BY	T. HAYAKAWA																									
APPROVED BY	Y. SANO																									
DRAWING TITLE																										
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C5 & C16 (2)																										
PACKAGE																										
1																										
DWG No.																										
P1-CS-1512																										

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C6 & C15 (1)

S=1:20

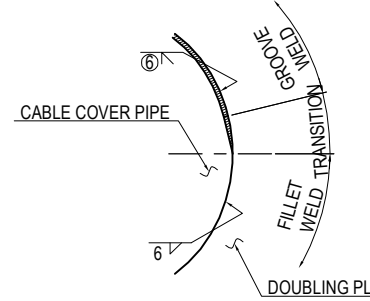
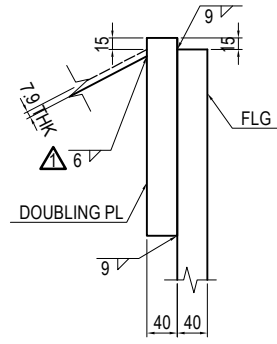
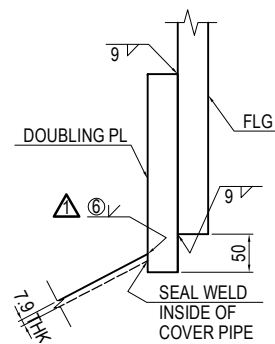


2-PL 920 x 40 x 1000 (SM490YB)
1-PIPE 355.6 x 7.9 x 625 (STK400)
1-PIPE 355.6 x 7.9 x 624 (STK400)

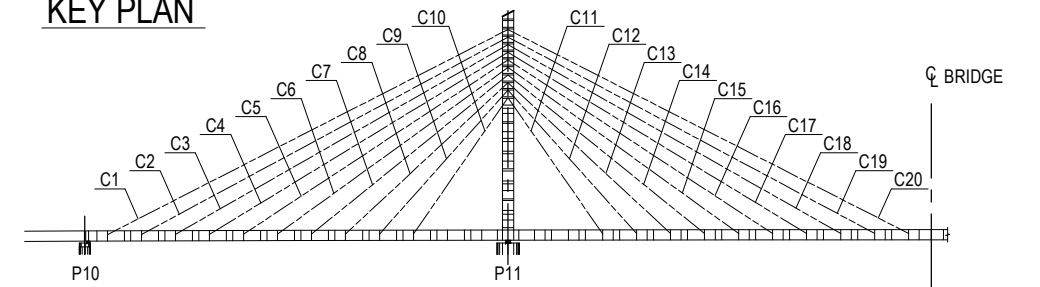
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



KEY PLAN

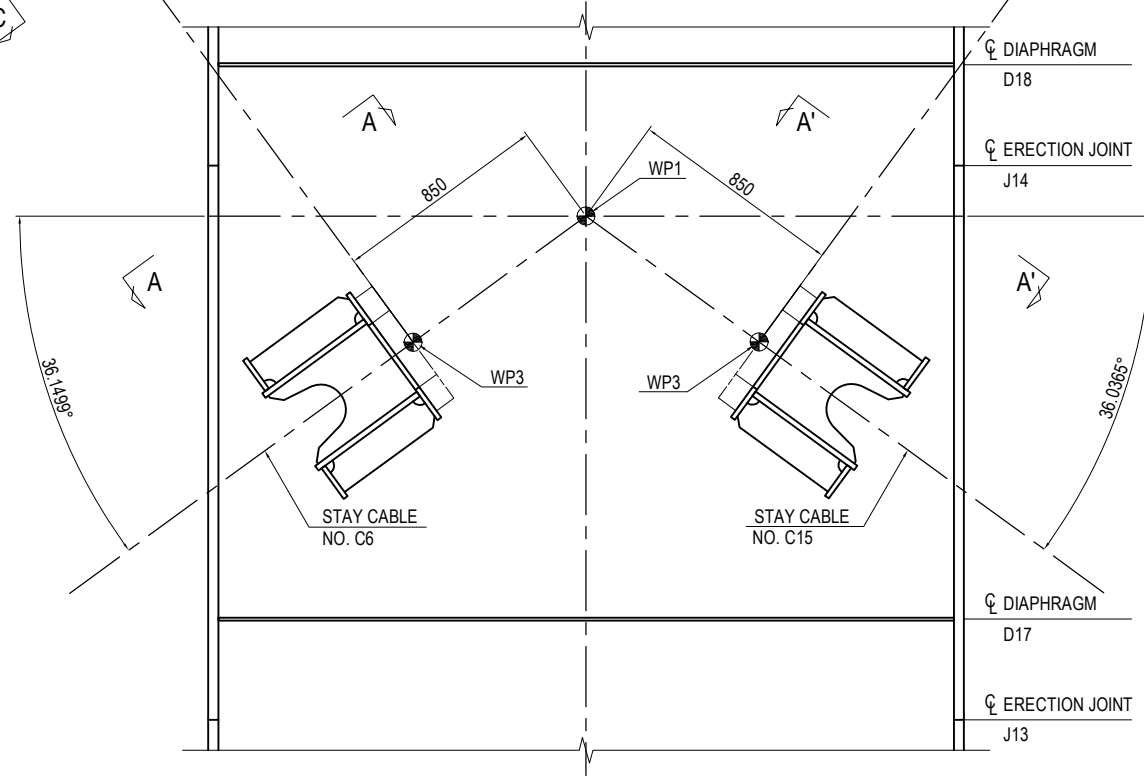
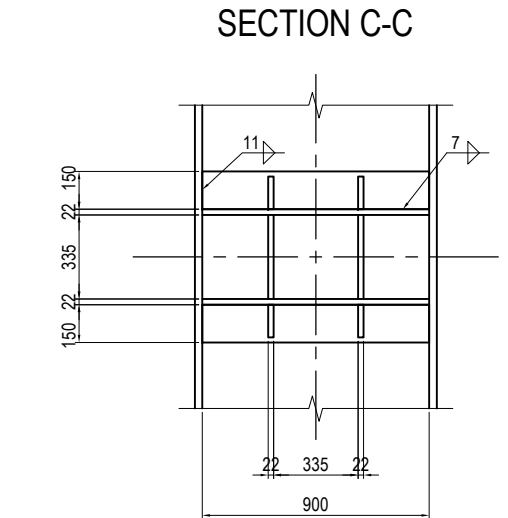
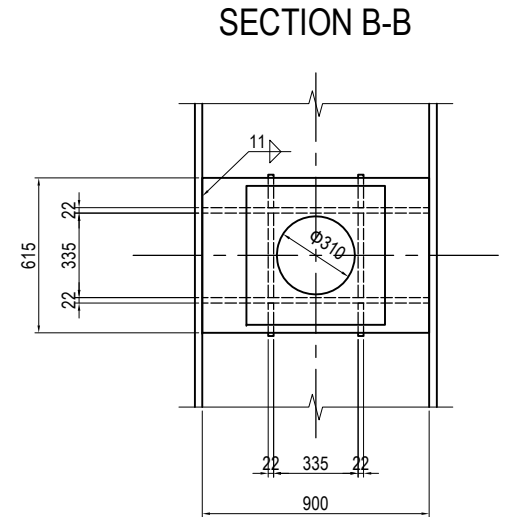
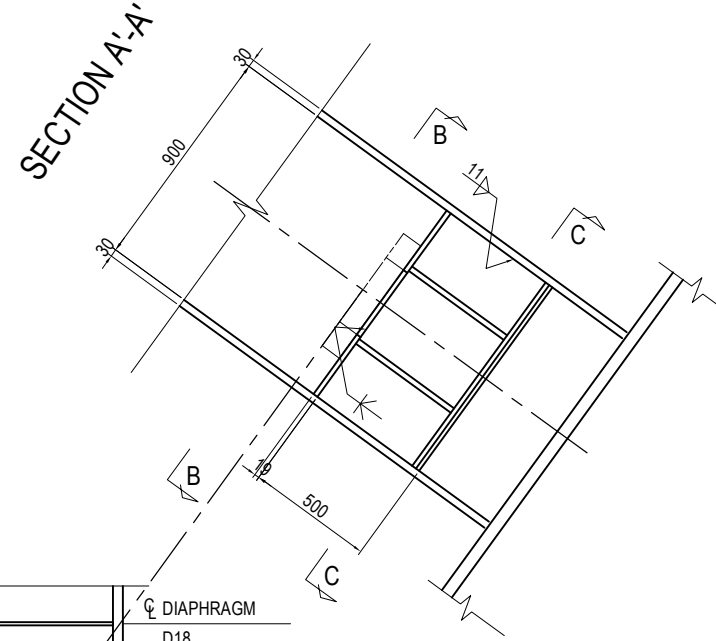
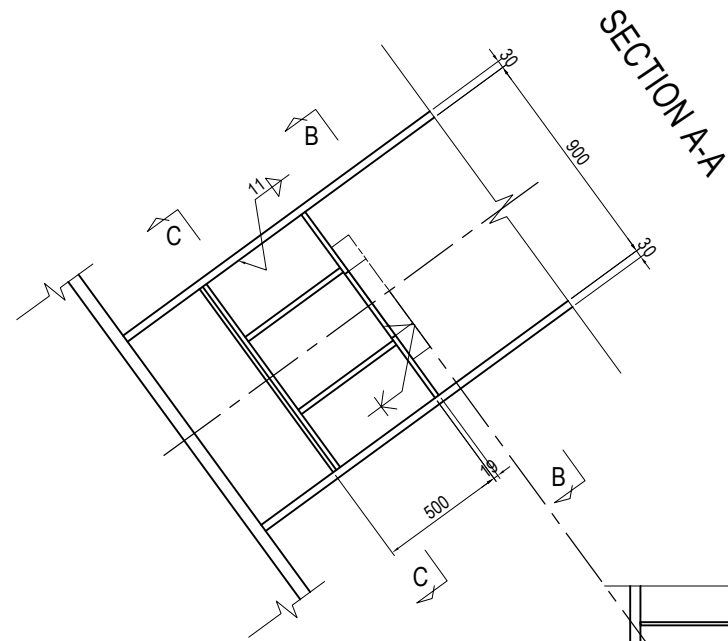


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C6 & C15 (1)	PACKAGE 1 DWG No. P1-CS-1513
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

MAIN TOWER ANCHORAGE OF STAY CABLES

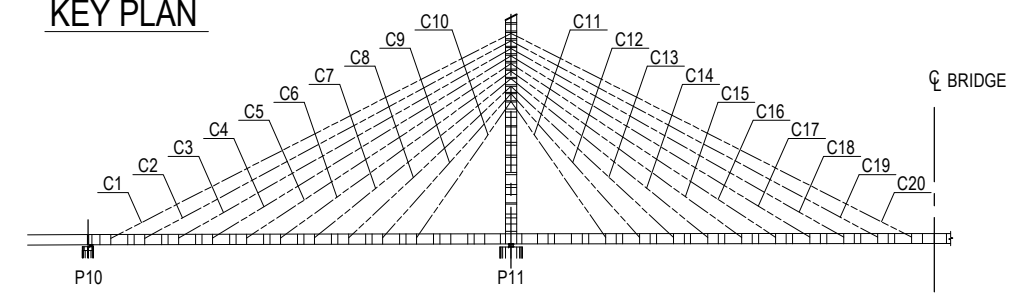
CABLE NO.C6 & C15 (2)

S=1:30



- 2-FLG PL 615 x 19 x 900 (SM490YB)
- 4-FLG PL 150 x 19 x 900 (SM490YB)
- 4-WEB PL 500 x 22 x 900 (SM490YB)
- 4-RIB PL 335 x 22 x 485 (SM490YB)
- 8-RIB PL 130 x 22 x 466 (SM490YB)
- 2-ANC PL 550 x 85 x 550 (SS400)

KEY PLAN

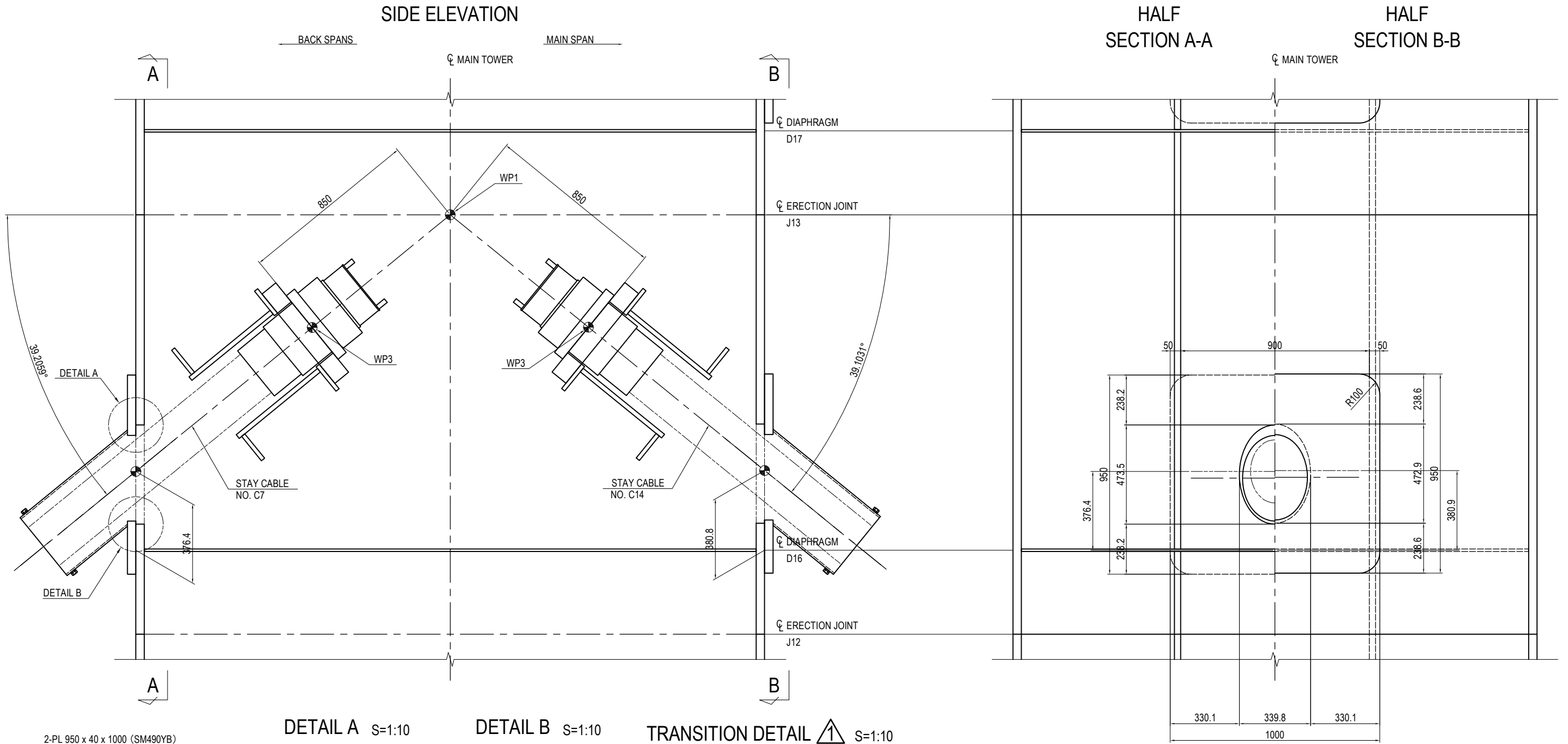


NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1513.

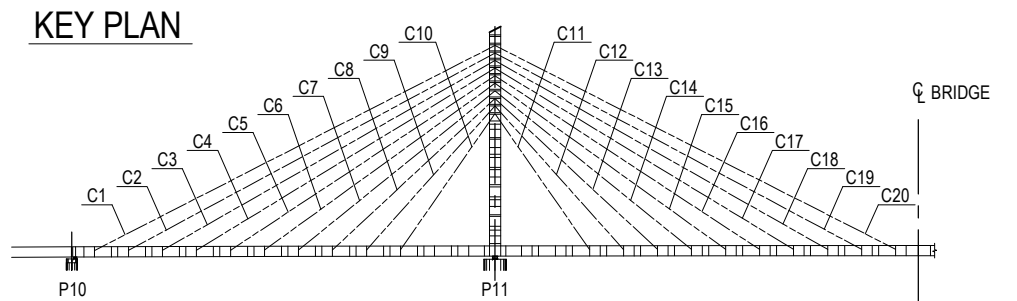
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C6 & C15 (2)	<small>PACKAGE</small> 1 <small>DWG No.</small> P1-CS-1514
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C7 & C14 (1)

S=1:20



2-PL 950 x 40 x 1000 (SM490YB)
1-PIPE 355.6 x 7.9 x 661 (STK400)
1-PIPE 355.6 x 7.9 x 660 (STK400)

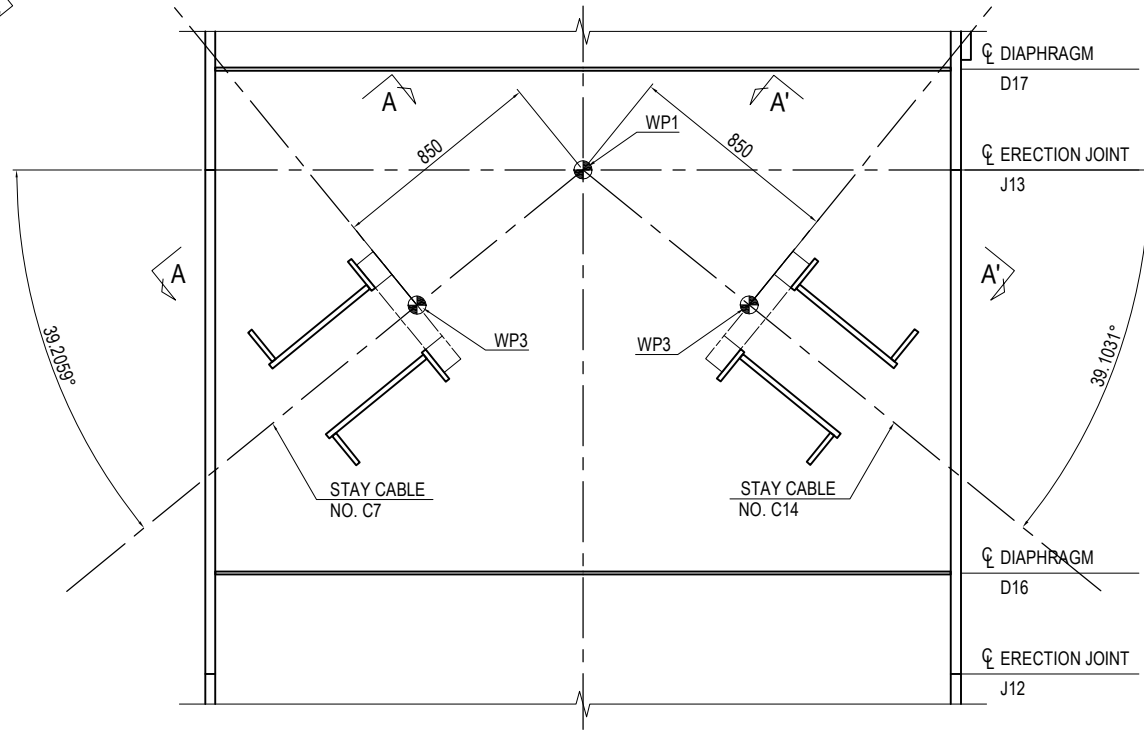
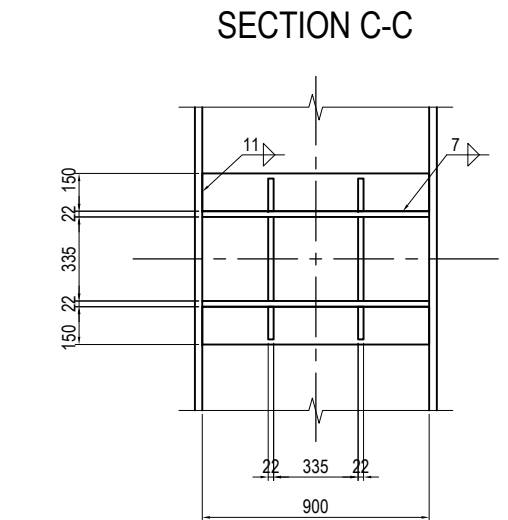
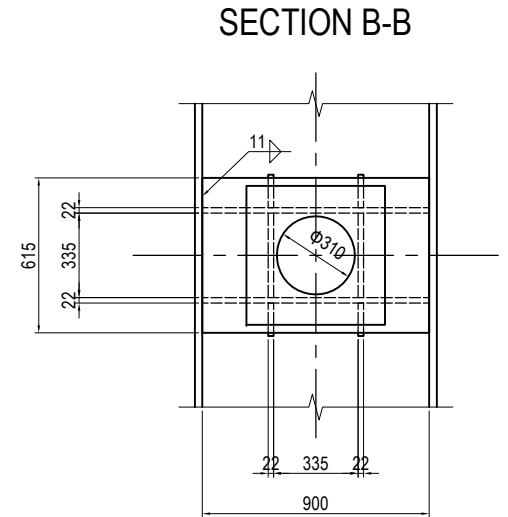
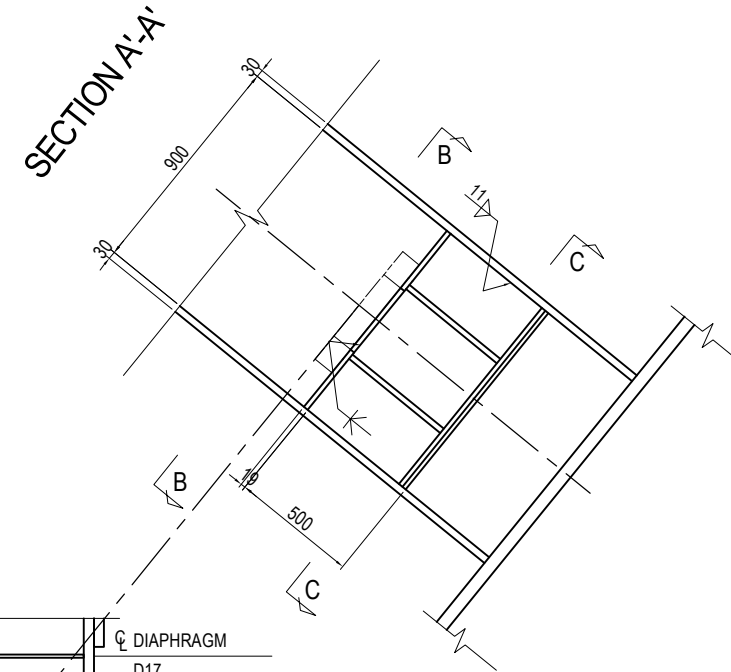
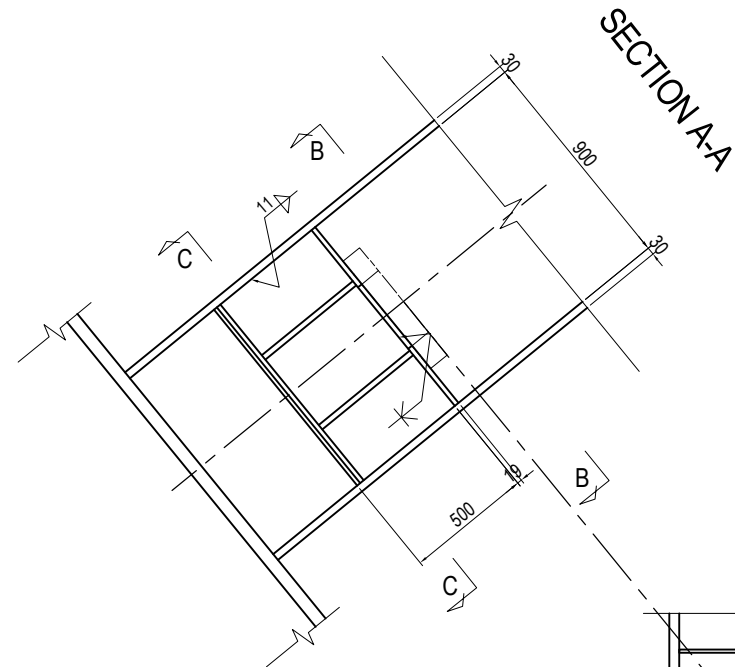


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C7 & C14 (1)	PACKAGE 1 DWG No. P1-CS-1515
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

MAIN TOWER ANCHORAGE OF STAY CABLES

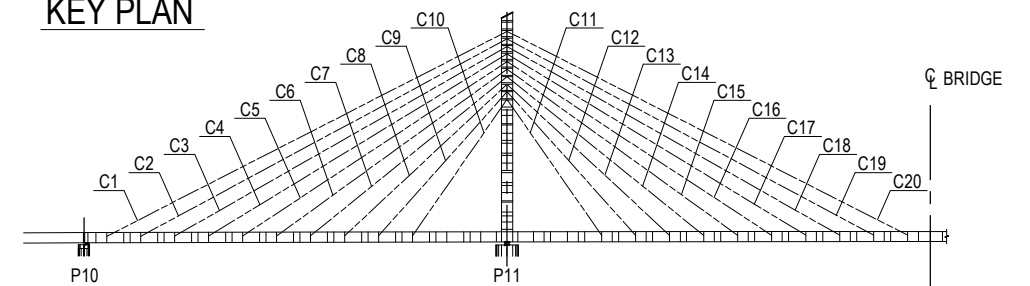
CABLE NO.C7 & C14 (2)

S=1:30



- 2-FLG PL 615 x 19 x 900 (SM490YB)
- 4-FLG PL 150 x 19 x 900 (SM490YB)
- 4-WEB PL 500 x 22 x 900 (SM490YB)
- 4-RIB PL 335 x 22 x 485 (SM490YB)
- 8-RIB PL 130 x 22 x 466 (SM490YB)
- 2-ANC PL 550 x 85 x 550 (SS400)

KEY PLAN



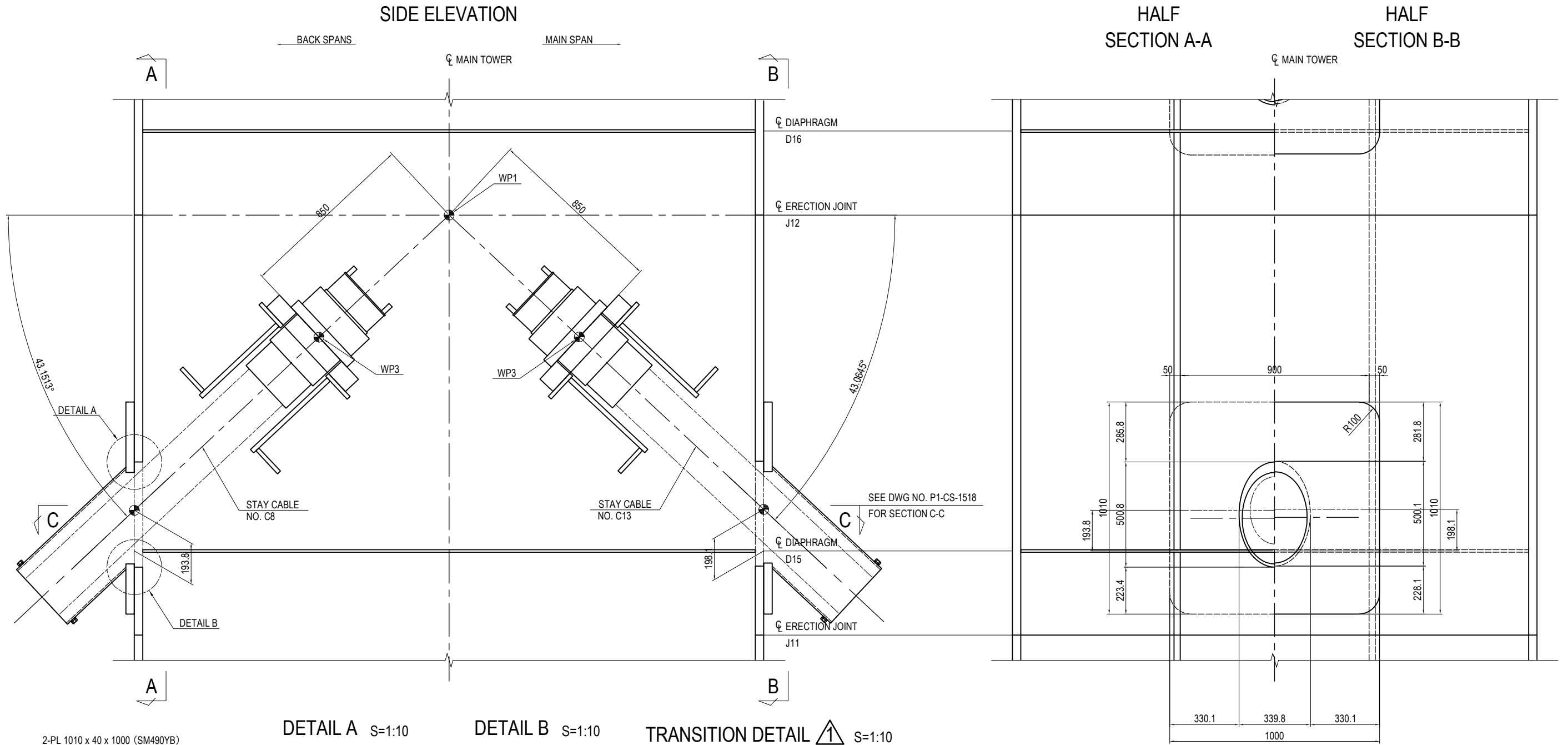
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1515.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">DRAWING TITLE</th> </tr> <tr> <td colspan="2" style="text-align: center;">MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C7 & C14 (2)</td> </tr> </table>	DRAWING TITLE		MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C7 & C14 (2)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1516</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-1516
NAME	SIGNATURE	DATE																								
PREPARED BY	T.TOMODA																									
CHECKED BY	T. HAYAKAWA																									
APPROVED BY	Y. SANO																									
DRAWING TITLE																										
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C7 & C14 (2)																										
PACKAGE																										
1																										
DWG No.																										
P1-CS-1516																										

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (1)

S=1:20

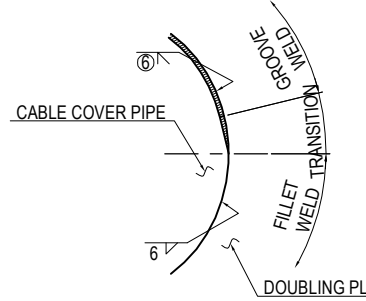
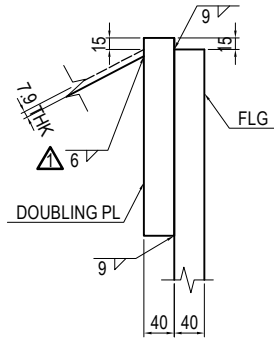
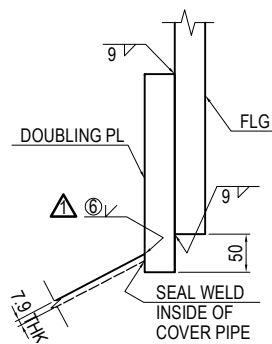


2-PL 1010 x 40 x 1000 (SM490YB)
1-PIPE 355.6 x 7.9 x 715 (STK400)
1-PIPE 355.6 x 7.9 x 714 (STK400)

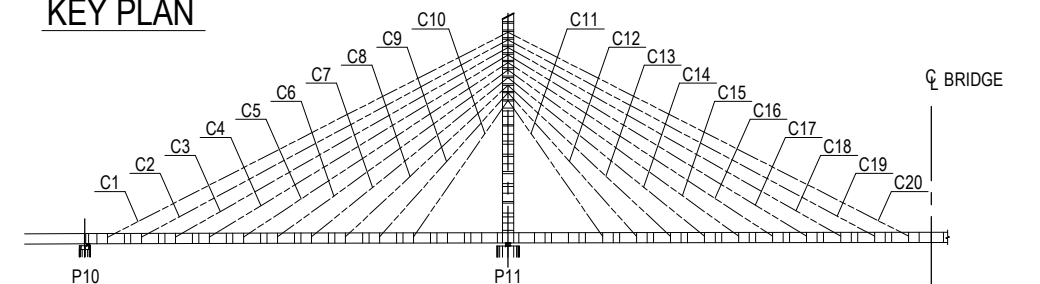
DETAIL A S=1:10

DETAIL B S=1:10

TRANSITION DETAIL S=1:10



KEY PLAN

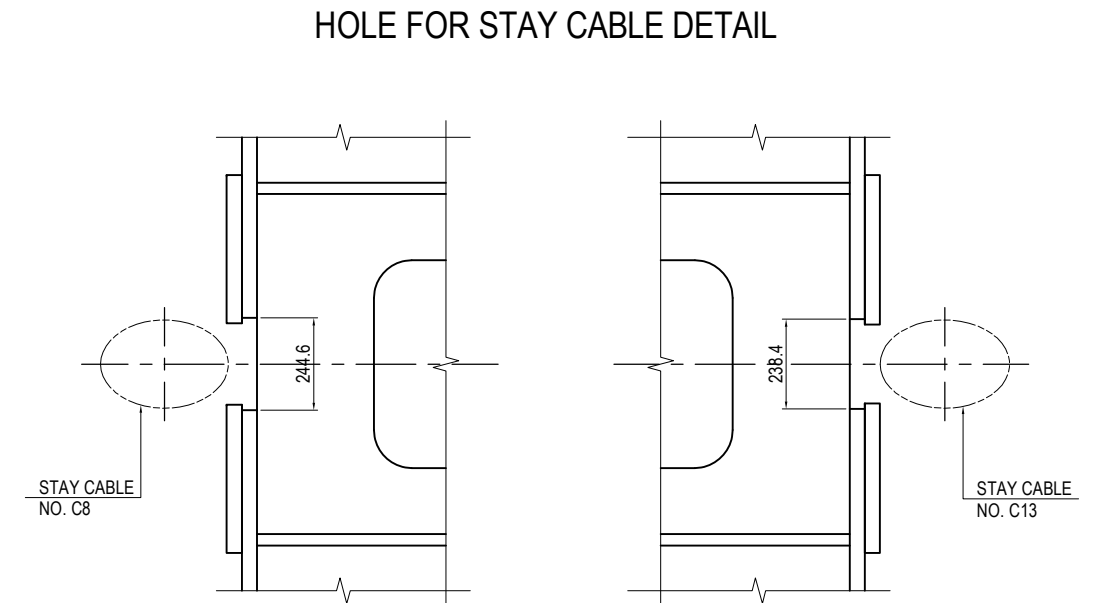
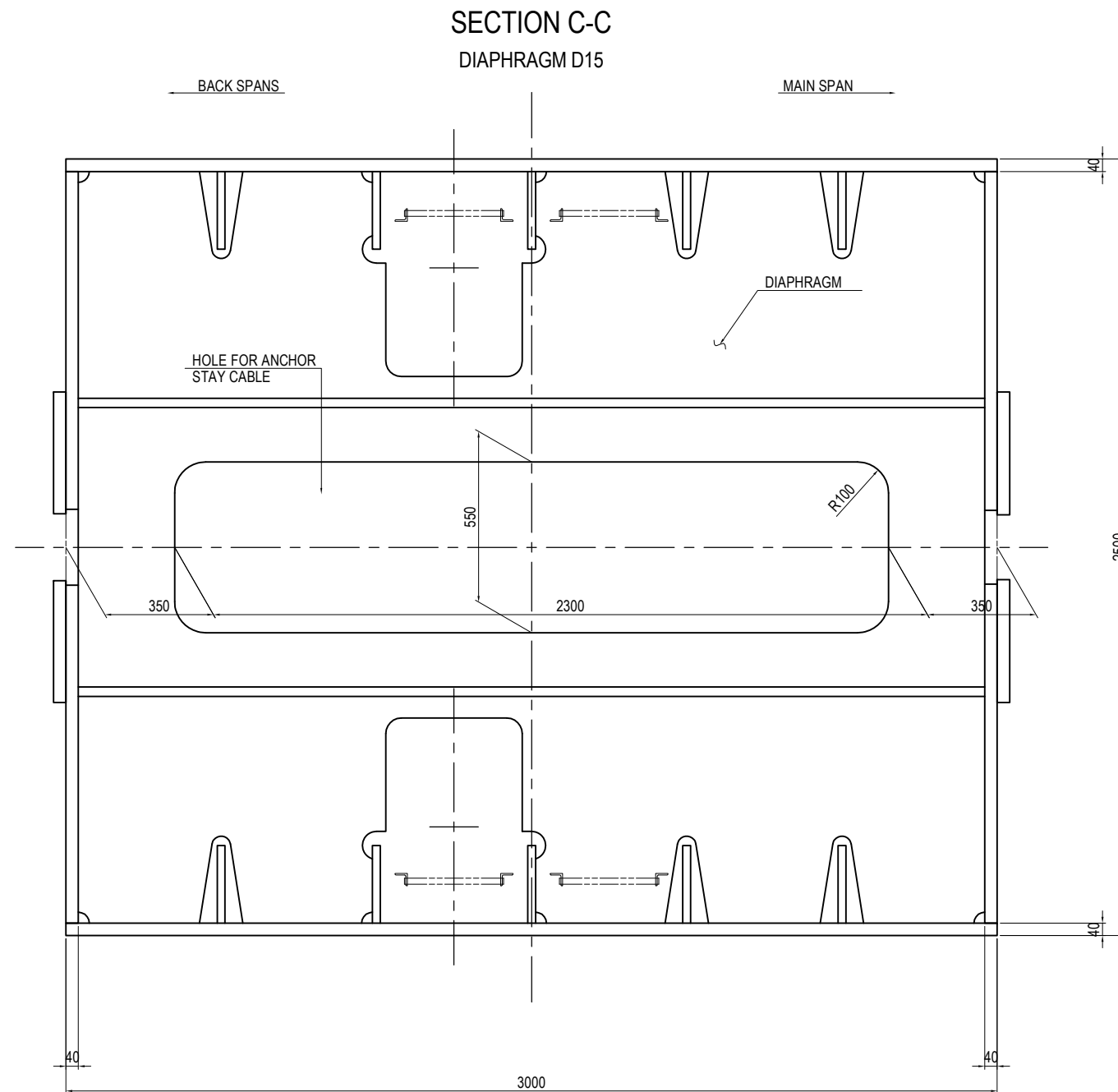


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (1)	PACKAGE 1 DWG No. P1-CS-1517
---	--	---	--	--	-------------------	--	---------------------------------------

MAIN TOWER ANCHORAGE OF STAY CABLES

CABLE NO.C8 & C13 (2)

S=1:20



NOTES:

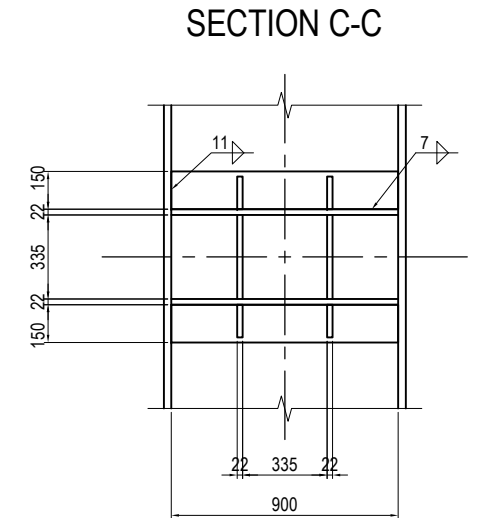
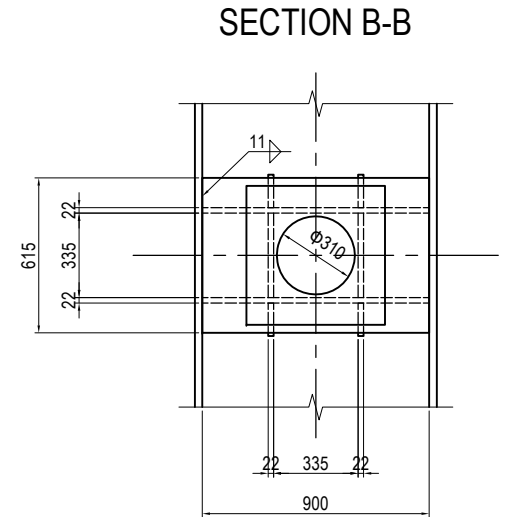
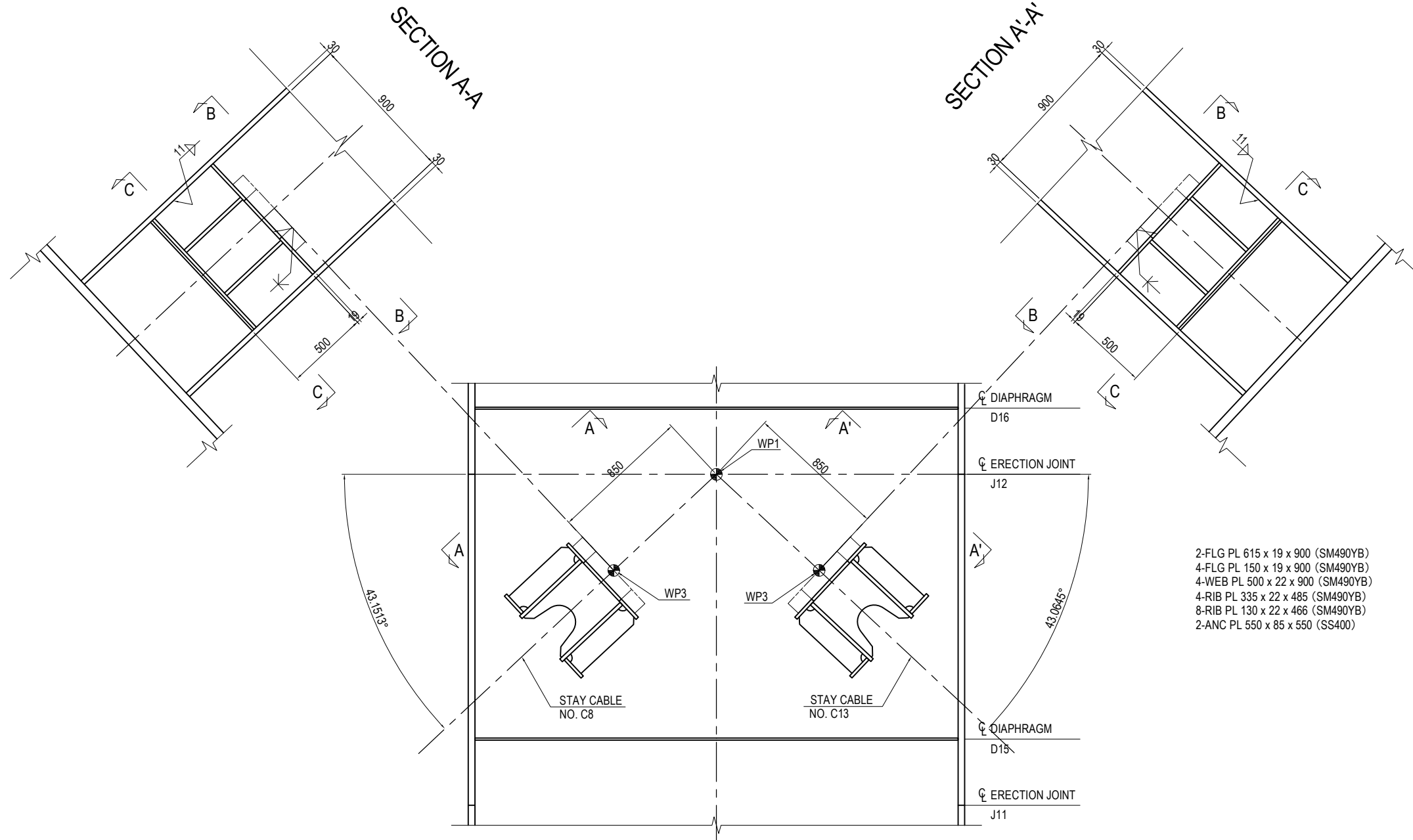
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1517.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1518
NAME	SIGNATURE	DATE																	
PREPARED BY T.TOMODA																			
CHECKED BY T. HAYAKAWA																			
APPROVED BY Y. SANO																			

MAIN TOWER ANCHORAGE OF STAY CABLES

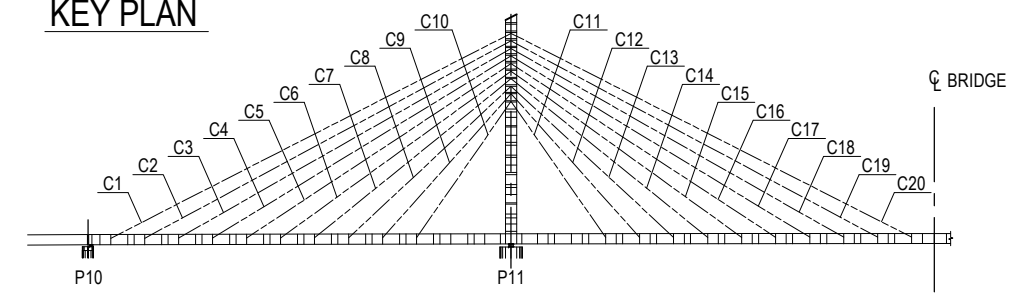
CABLE NO.C8 & C13 (3)

S=1:30



- 2-FLG PL 615 x 19 x 900 (SM490YB)
- 4-FLG PL 150 x 19 x 900 (SM490YB)
- 4-WEB PL 500 x 22 x 900 (SM490YB)
- 4-RIB PL 335 x 22 x 485 (SM490YB)
- 8-RIB PL 130 x 22 x 466 (SM490YB)
- 2-ANC PL 550 x 85 x 550 (SS400)

KEY PLAN

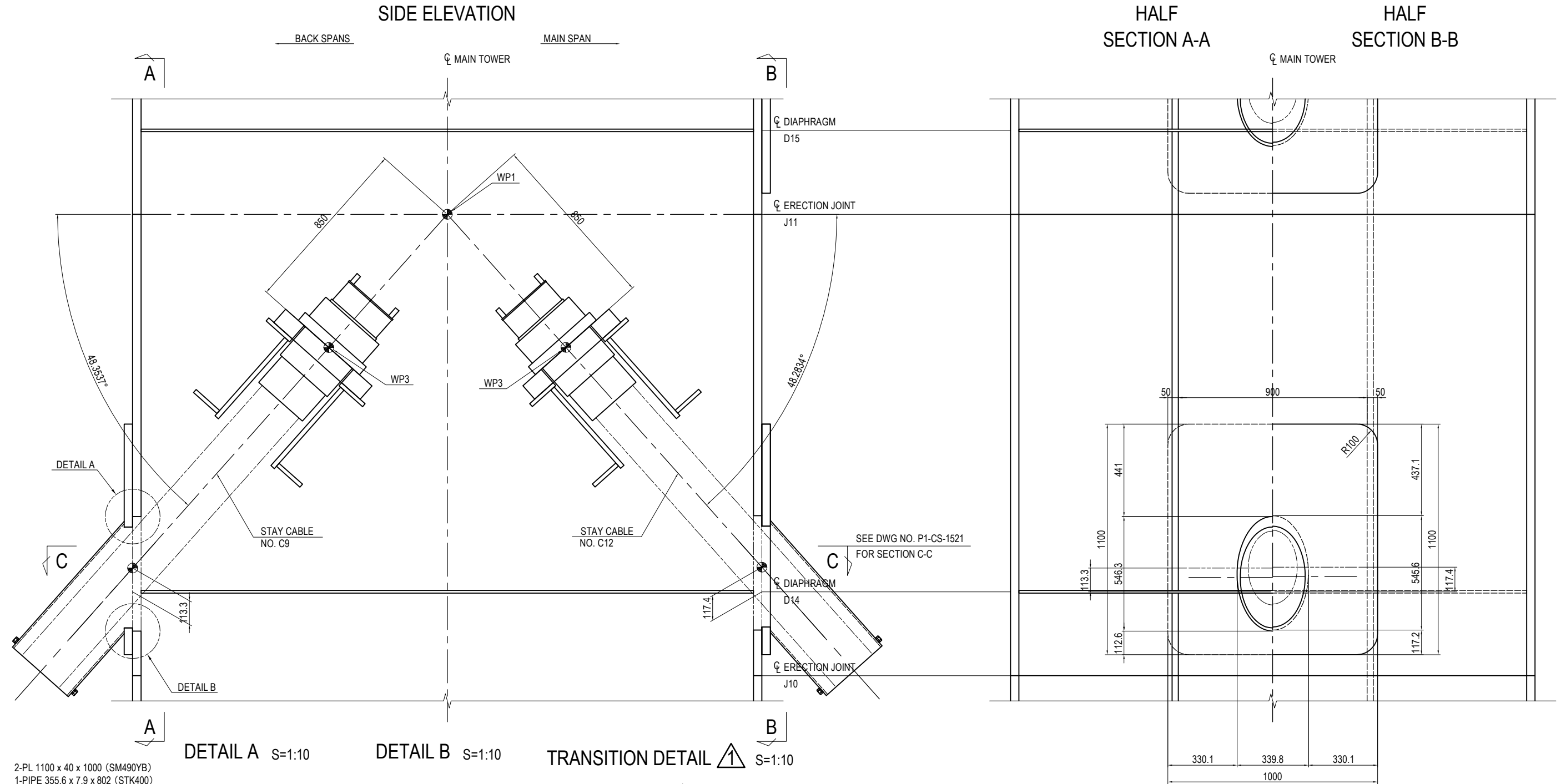


NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1517.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T.HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y.SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T.HAYAKAWA			APPROVED BY Y.SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">DRAWING TITLE</th> </tr> <tr> <td colspan="2" style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (3) </td> </tr> </table>	DRAWING TITLE		MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (3)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1519</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-1519
NAME	SIGNATURE	DATE																								
PREPARED BY T.TOMODA																										
CHECKED BY T.HAYAKAWA																										
APPROVED BY Y.SANO																										
DRAWING TITLE																										
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C8 & C13 (3)																										
PACKAGE																										
1																										
DWG No.																										
P1-CS-1519																										

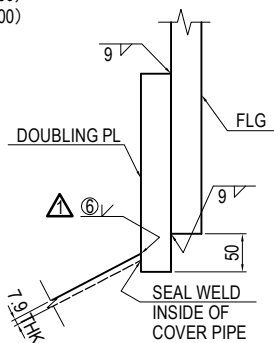
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (1)

S=1:20

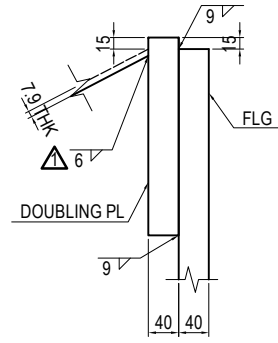


2-PL 1100 x 40 x 1000 (SM490YB)
1-PIPE 355.6 x 7.9 x 802 (STK400)
1-PIPE 355.6 x 7.9 x 801 (STK400)

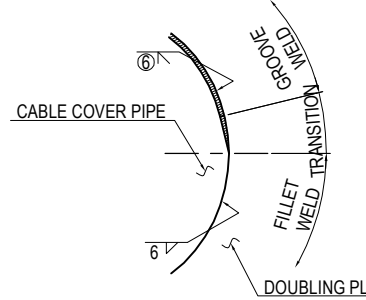
DETAIL A S=1:10



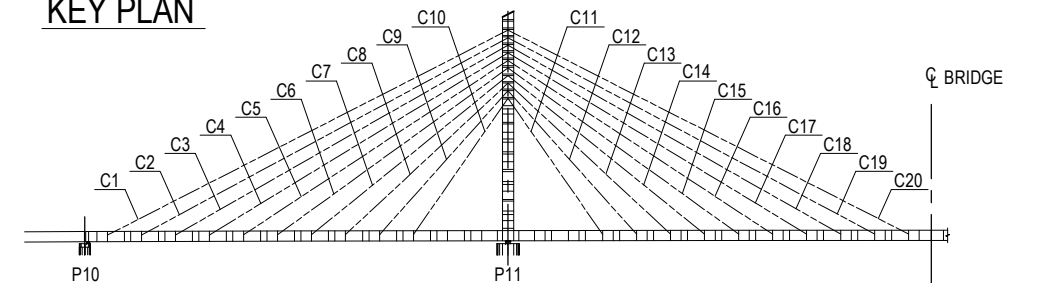
DETAIL B S=1:10



TRANSITION DETAIL S=1:10



KEY PLAN

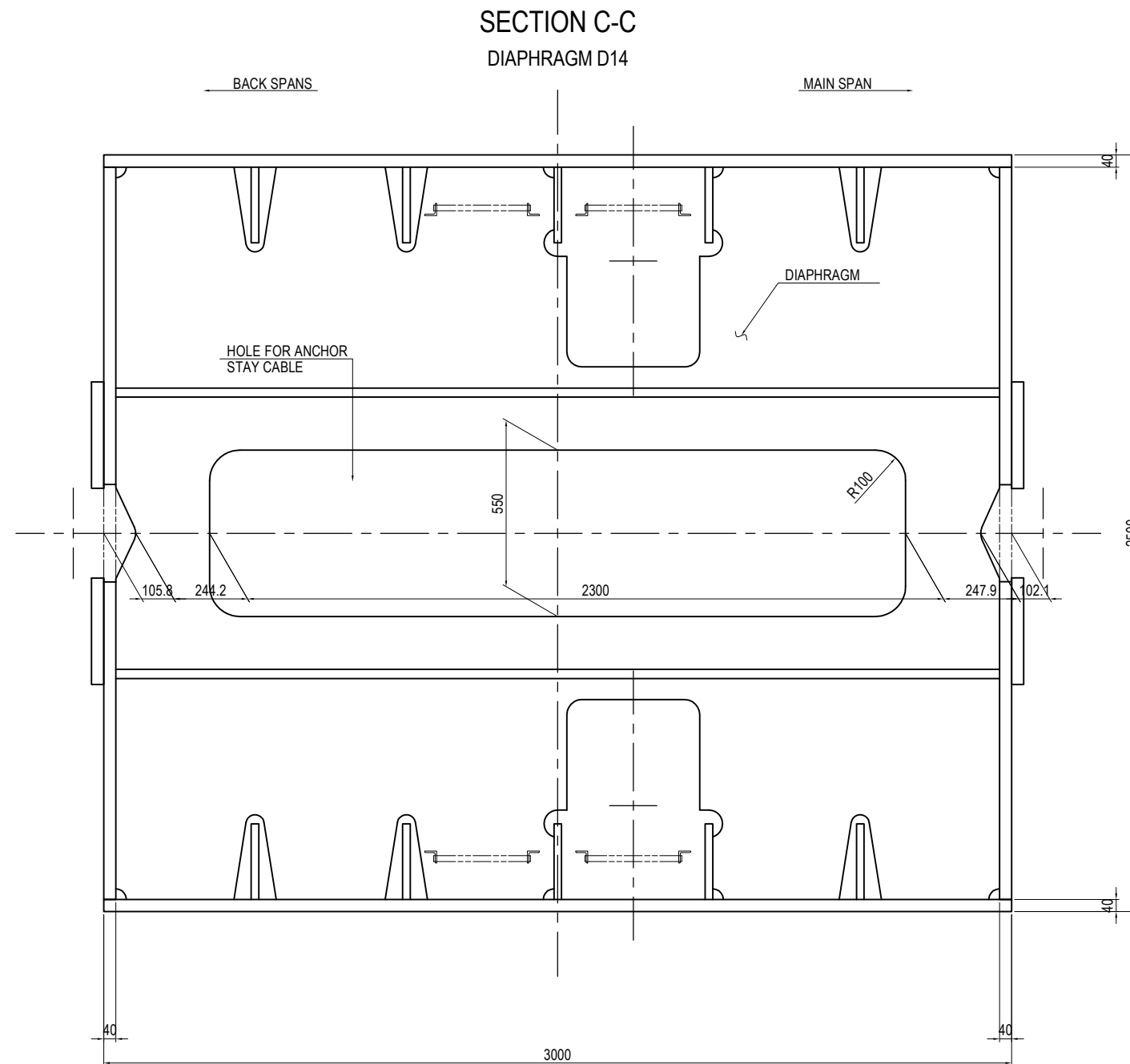


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (1)	PACKAGE 1 DWG No. P1-CS-1520
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

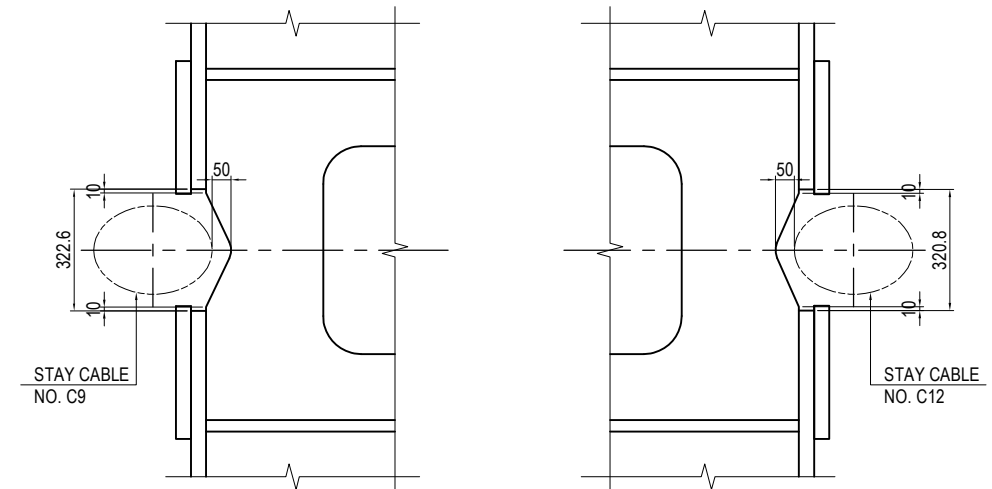
MAIN TOWER ANCHORAGE OF STAY CABLES

CABLE NO.C9 & C12 (2)

S=1:20



HOLE FOR STAY CABLE DETAIL



NOTES:

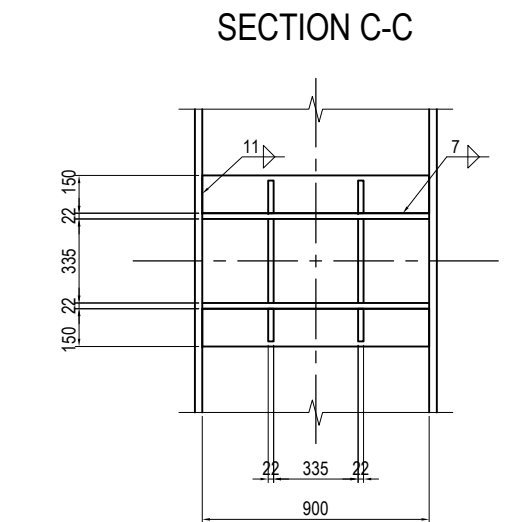
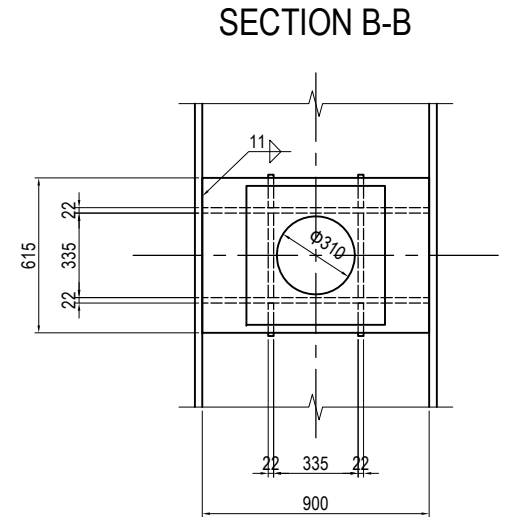
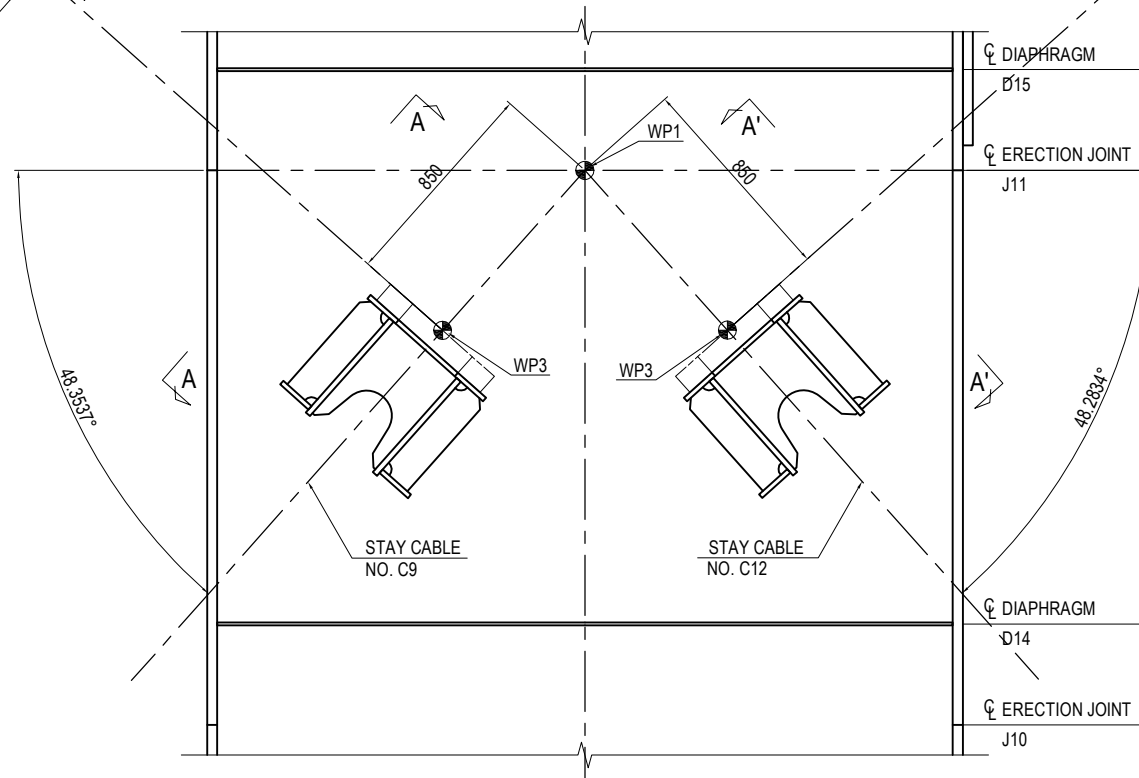
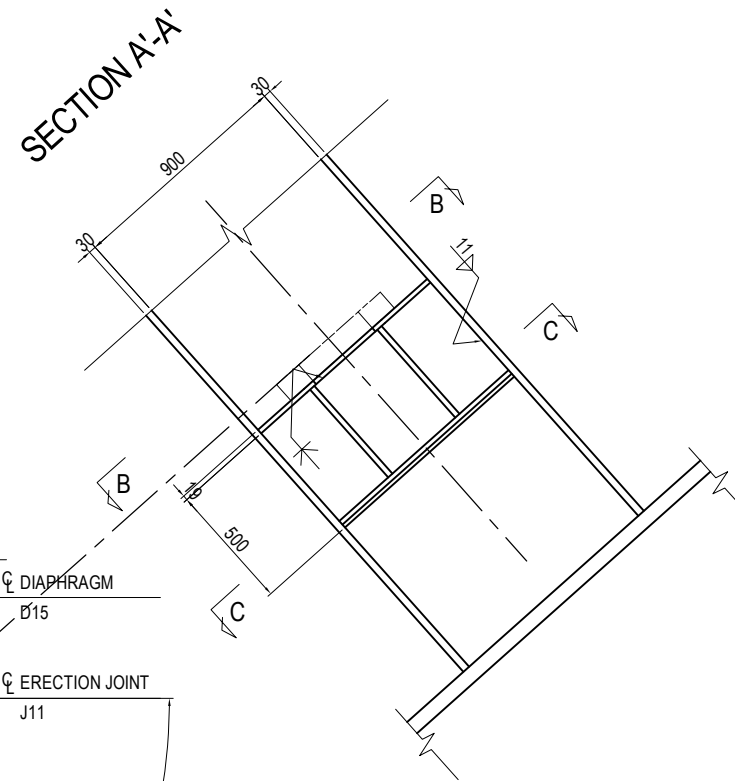
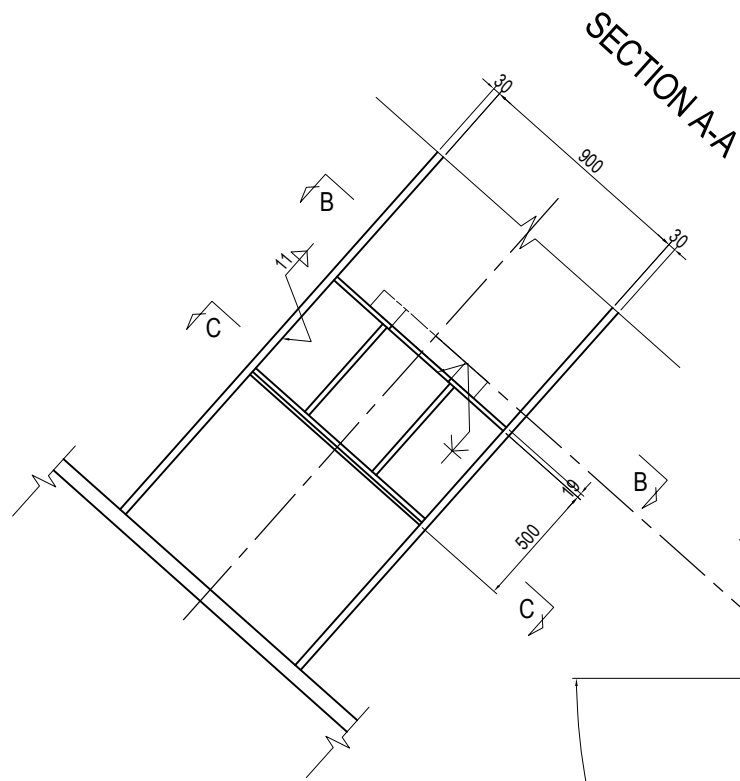
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1520.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;">NAME</td> <td style="width: 20%;">SIGNATURE</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<small>DRAWING TITLE</small> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (2)	<small>PACKAGE</small> 1 DWG No. P1-CS-1521
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

MAIN TOWER ANCHORAGE OF STAY CABLES

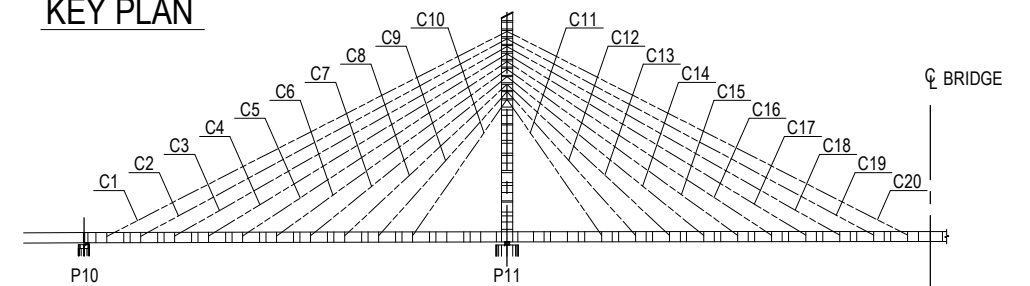
CABLE NO.C9 & C12 (3)

S=1:30



- 2-FLG PL 615 x 19 x 900 (SM490YB)
- 4-FLG PL 150 x 19 x 900 (SM490YB)
- 4-WEB PL 500 x 22 x 900 (SM490YB)
- 4-RIB PL 335 x 22 x 485 (SM490YB)
- 8-RIB PL 130 x 22 x 466 (SM490YB)
- 2-ANC PL 550 x 85 x 550 (SS400)

KEY PLAN



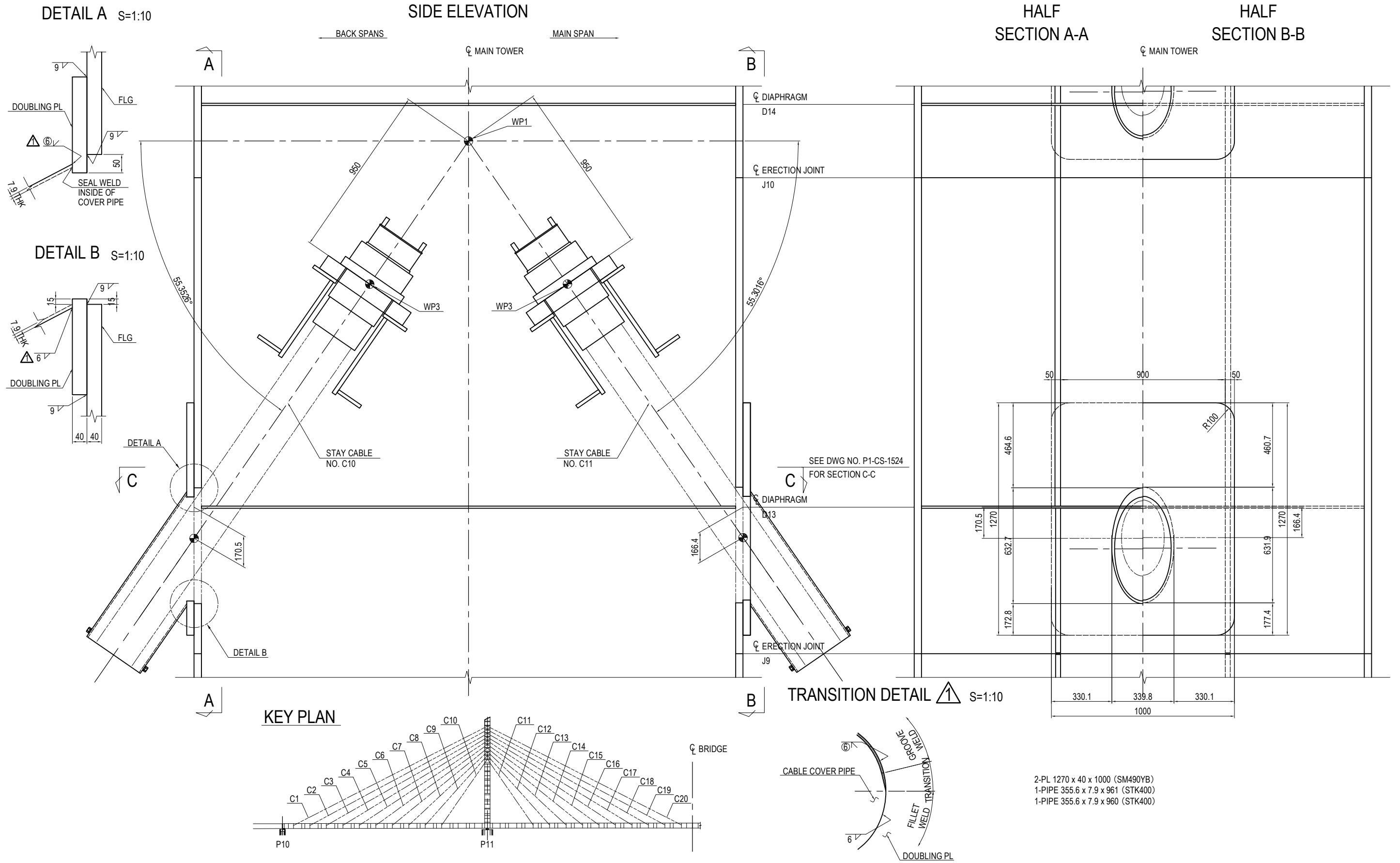
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1520.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 30%;">NAME</th> <th style="width: 30%;">SIGNATURE</th> <th style="width: 30%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (3) </td> </tr> </tbody> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (3)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-1522</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-1522
	NAME	SIGNATURE	DATE																									
PREPARED BY	T.TOMODA																											
CHECKED BY	T. HAYAKAWA																											
APPROVED BY	Y. SANO																											
DRAWING TITLE																												
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C9 & C12 (3)																												
PACKAGE																												
1																												
DWG No.																												
P1-CS-1522																												

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (1)

S=1:20

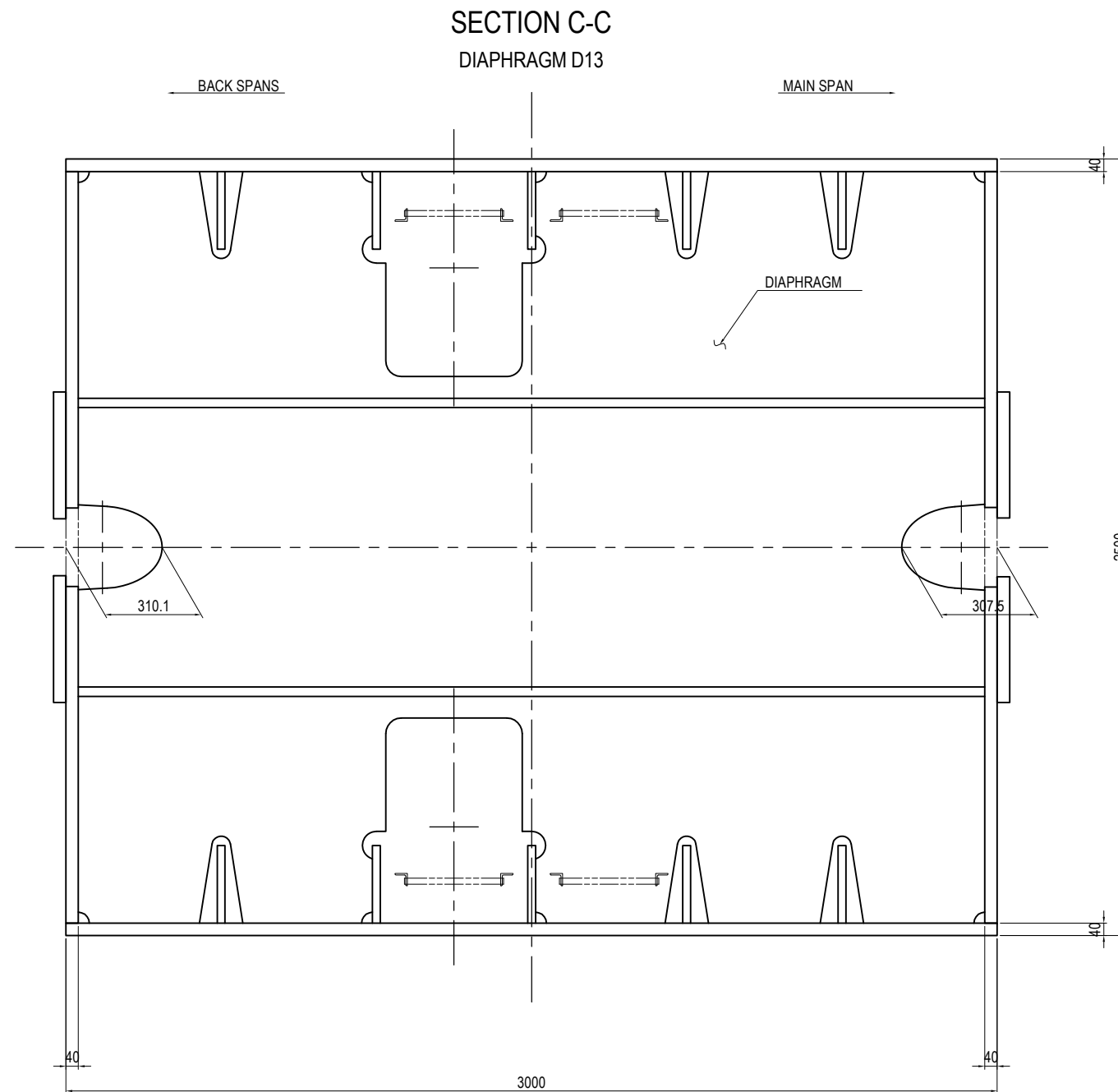


2-PL 1270 x 40 x 1000 (SM490YB)
1-PIPE 355.6 x 7.9 x 961 (STK400)
1-PIPE 355.6 x 7.9 x 960 (STK400)

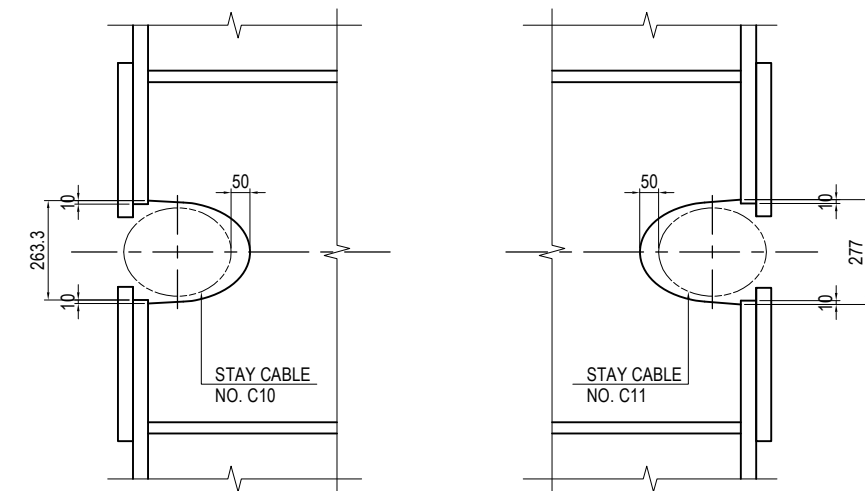
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T.HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y.SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T.HAYAKAWA		APPROVED BY	Y.SANO		DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (1)	PACKAGE 1 DWG No. P1-CS-1523
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T.HAYAKAWA																	
APPROVED BY	Y.SANO																	

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (2)

S=1:20



HOLE FOR STAY CABLE DETAIL



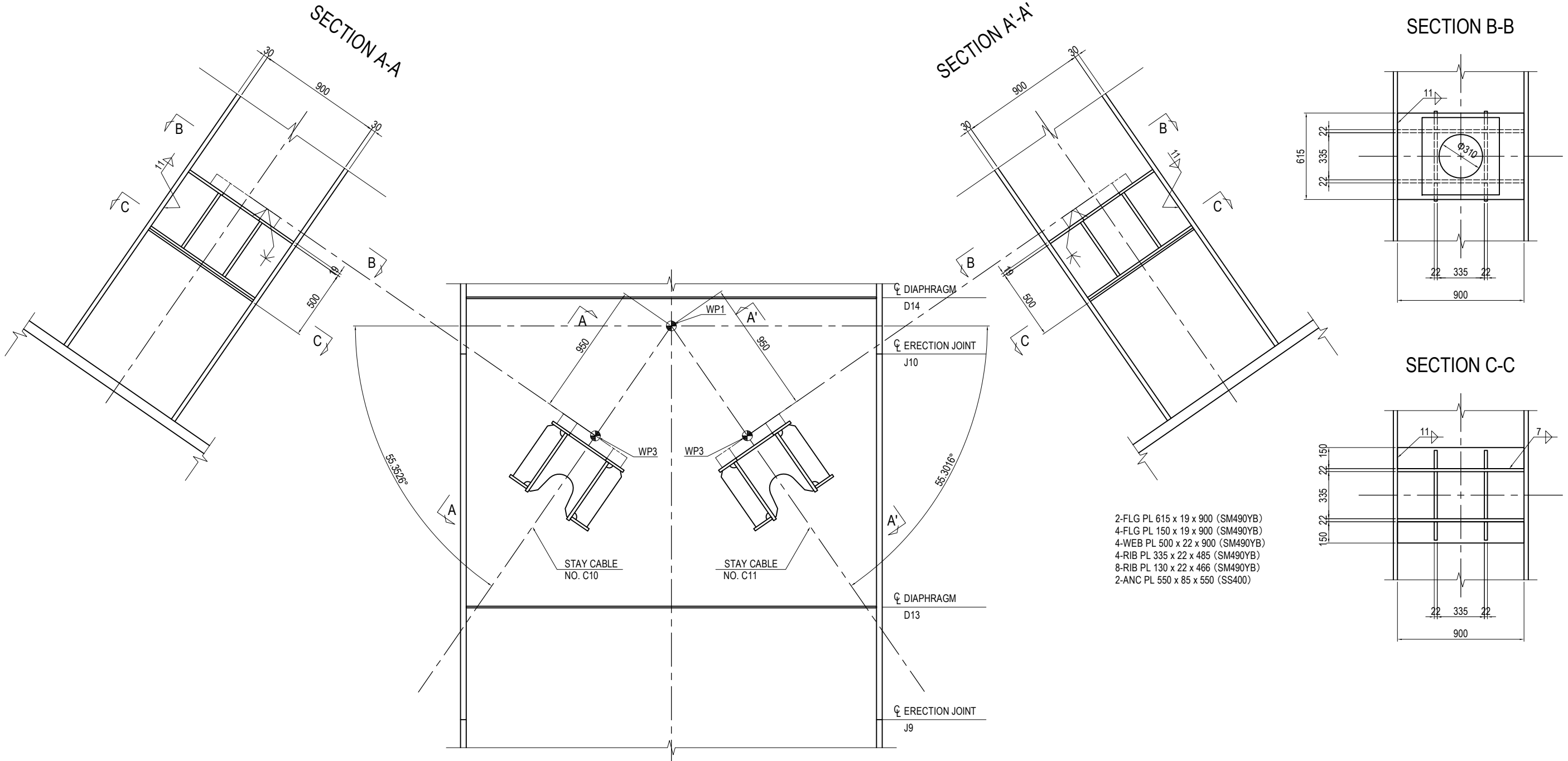
NOTES:

1 - THIS DWG WORKS WITH DWG NO. P1-CS-1523.

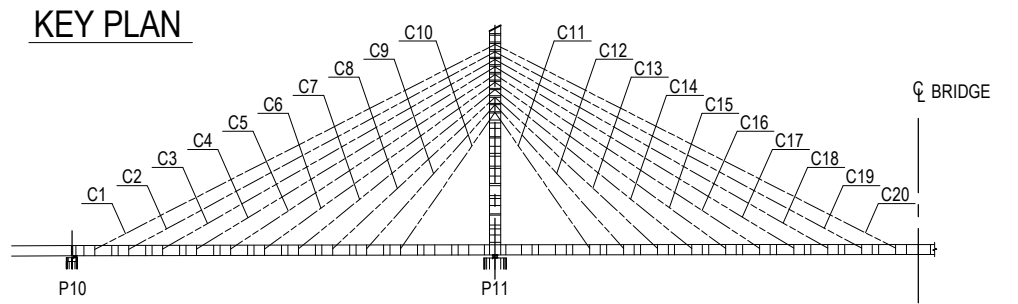
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">DRAWING TITLE</th> </tr> <tr> <td style="text-align: center;"> MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (2) </td> </tr> </table>	DRAWING TITLE	MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td>1</td> </tr> <tr> <td>DWG No.</td> </tr> <tr> <td>P1-CS-1524</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-1524
NAME	SIGNATURE	DATE																						
PREPARED BY T.TOMODA																								
CHECKED BY T. HAYAKAWA																								
APPROVED BY Y. SANO																								
DRAWING TITLE																								
MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (2)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-1524																								

MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (3)

S=1:30



- 2-FLG PL 615 x 19 x 900 (SM490YB)
- 4-FLG PL 150 x 19 x 900 (SM490YB)
- 4-WEB PL 500 x 22 x 900 (SM490YB)
- 4-RIB PL 335 x 22 x 485 (SM490YB)
- 8-RIB PL 130 x 22 x 466 (SM490YB)
- 2-ANC PL 550 x 85 x 550 (SS400)

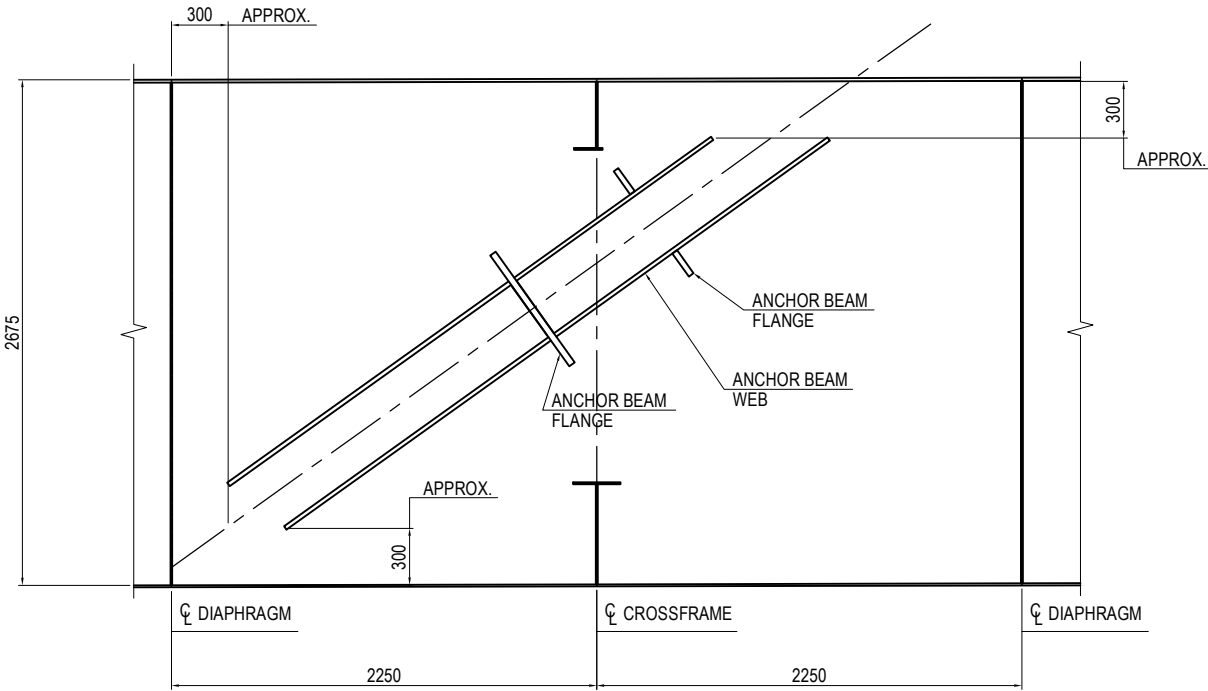


NOTES:
1 - THIS DWG WORKS WITH DWG NO. P1-CS-1523.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA T.HAYAKAWA Y.SANO	SIGNATURE 	DATE 	DRAWING TITLE MAIN TOWER ANCHORAGE OF STAY CABLES CABLE NO.C10 & C11 (3)	PACKAGE 1 DWG No. P1-CS-1525
---	--	---	--	--	-----------------------	------------------	---	---------------------------------------

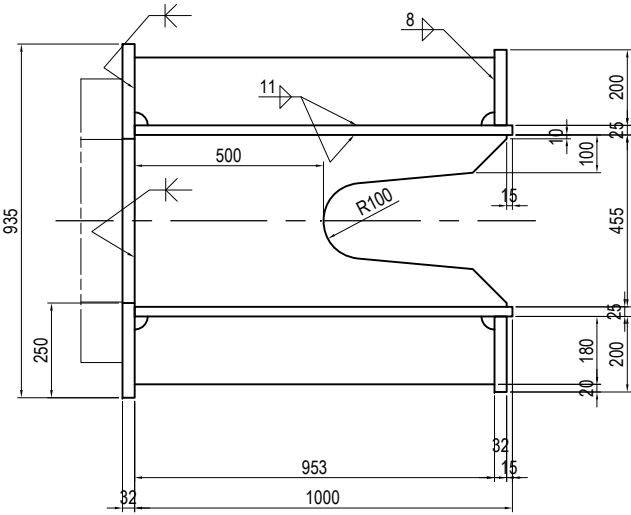
STAY CABLE ANCHORAGE DETAIL - ANCHOR BEAM S=1:20

SECTION FOR INNER WEB S=1:40



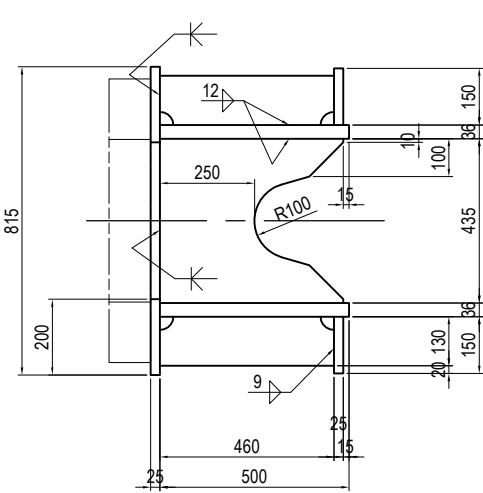
MAIN GIRDER SIDE

70H

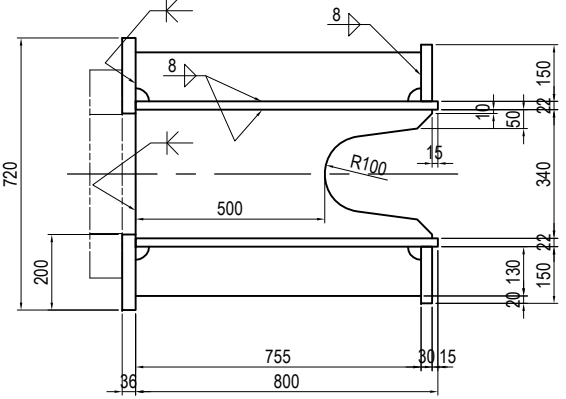


MAIN TOWER SIDE

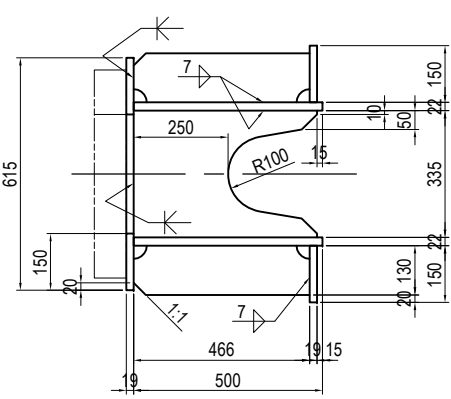
70H



37H

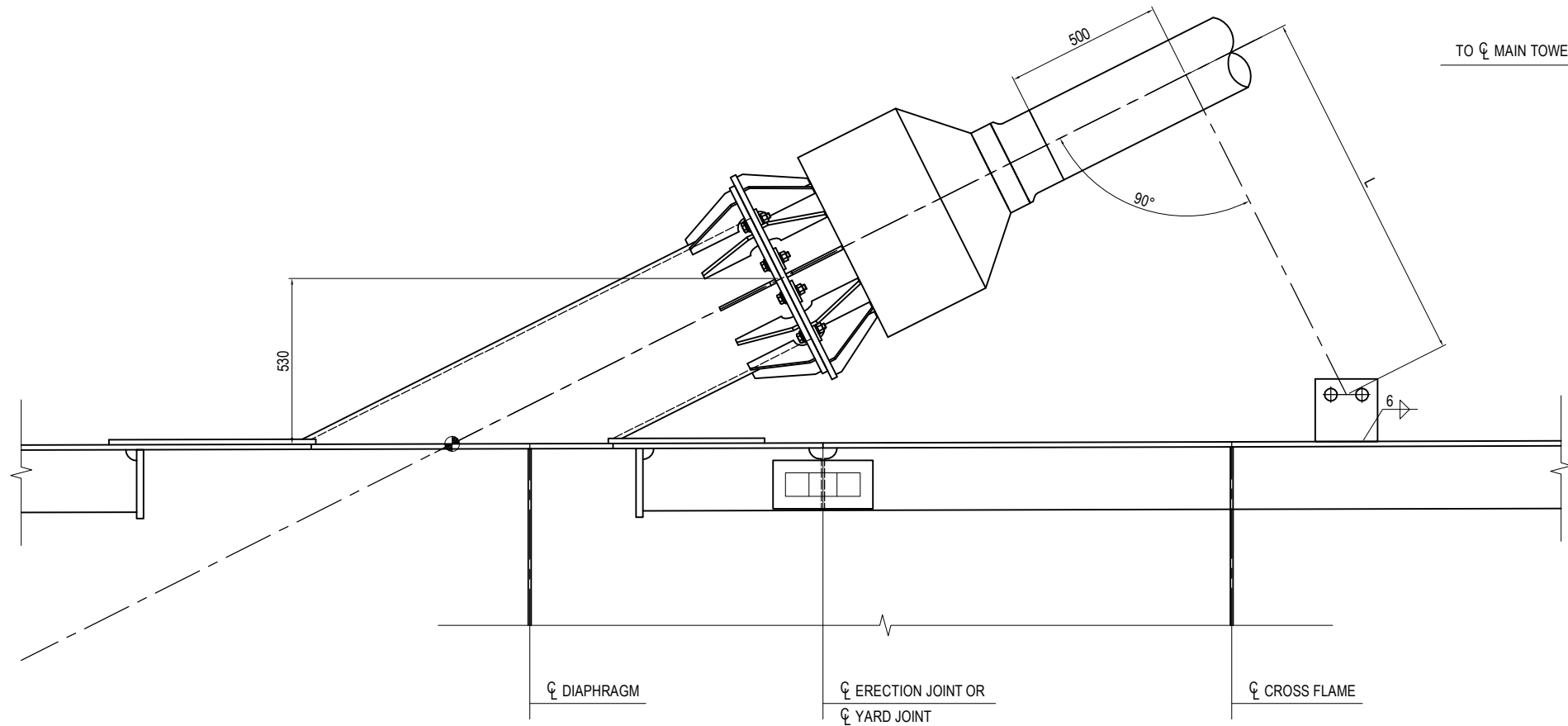


37H



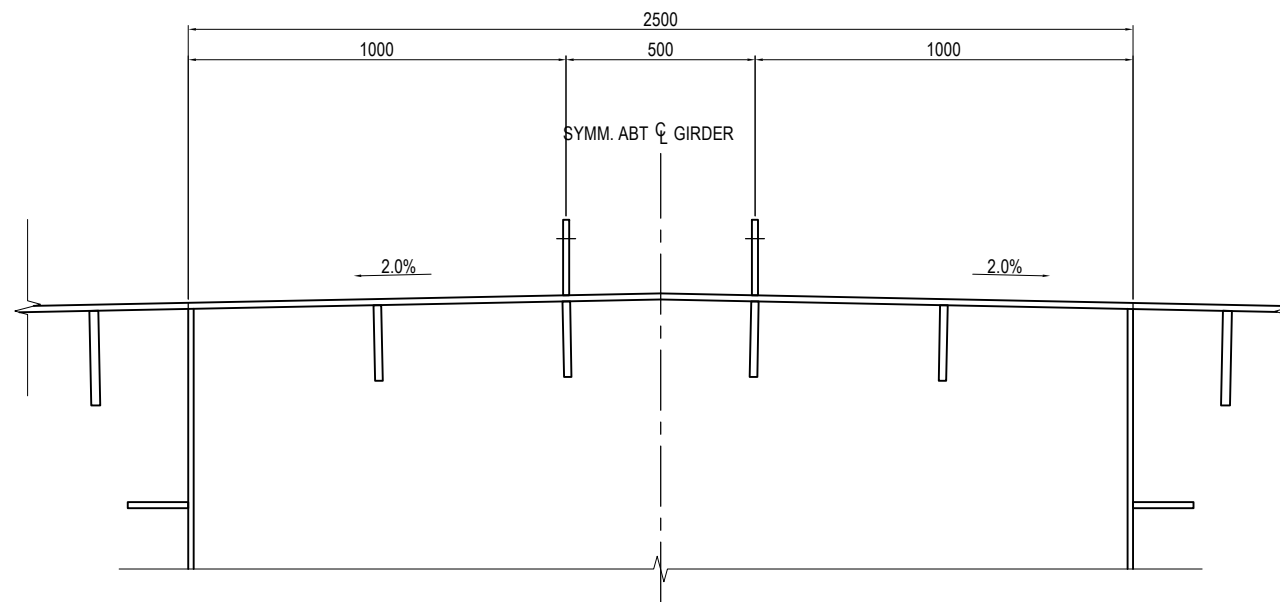
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE STAY CABLE ANCHORAGE DETAIL - ANCHOR BEAM	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1526

MAIN GIRDER STAY CABLE ANCHORAGE DETAIL - STEADY PIECE FOR DAMPER S=1:20

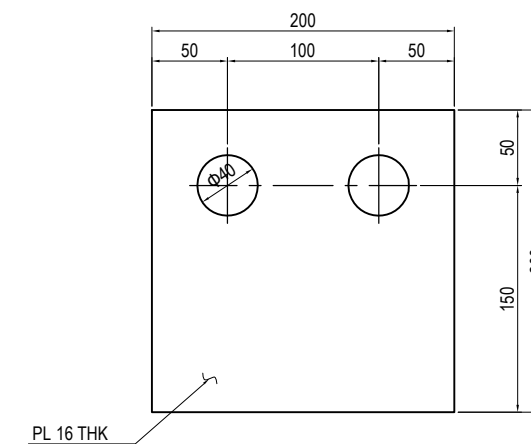


STAY CABLE NO.	L
C1 , C40	1145.8
C2 , C39	1188.6
C3 , C38	1240.4
C4 , C37	1305.5
C5 , C36	1389.4
C6 , C35	1477.5
C7 , C34	1621.9
C8 , C33	1827.5
C9 , C32	2144.5
C10 , C31	2696.6
C11 , C30	2708.3
C12 , C29	2152.4
C13 , C28	1833.8
C14 , C27	1627.6
C15 , C26	1482.8
C16 , C25	1394.7
C17 , C24	1310.5
C18 , C23	1244.3
C19 , C22	1191.2
C20 , C21	1147.7

CROSS SECTION



DETAIL S=1:5



NOTES:
1 - THIS DWG FOR REFERENCE.

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> MAIN GIRDER STAY CABLE ANCHORAGE DETAIL - STEADY PIECE FOR DAMPER	<small>PACKAGE</small> 1 DWG No. P1-CS-1527
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

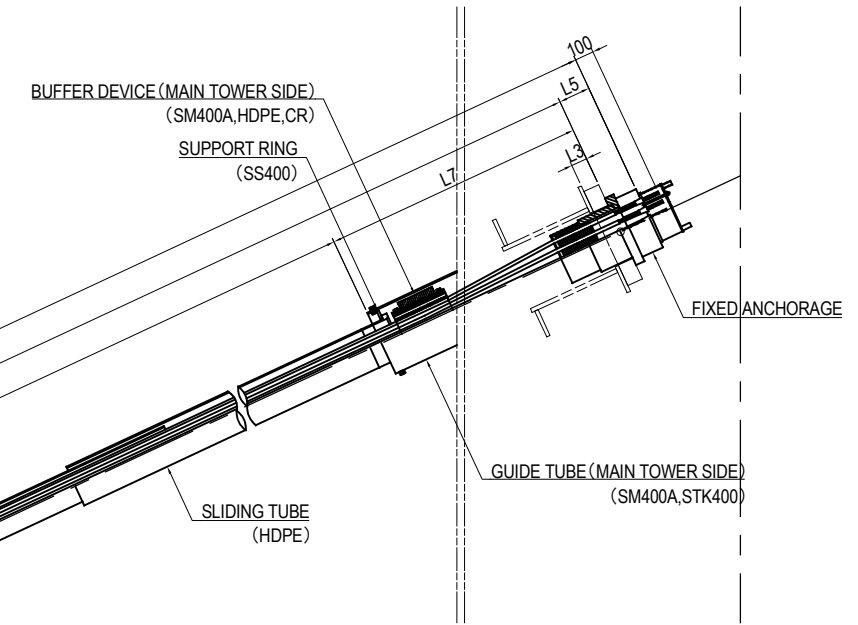
GENERAL VIEW OF STAY CABLE S=1:40

CABLE CROSS SECTION

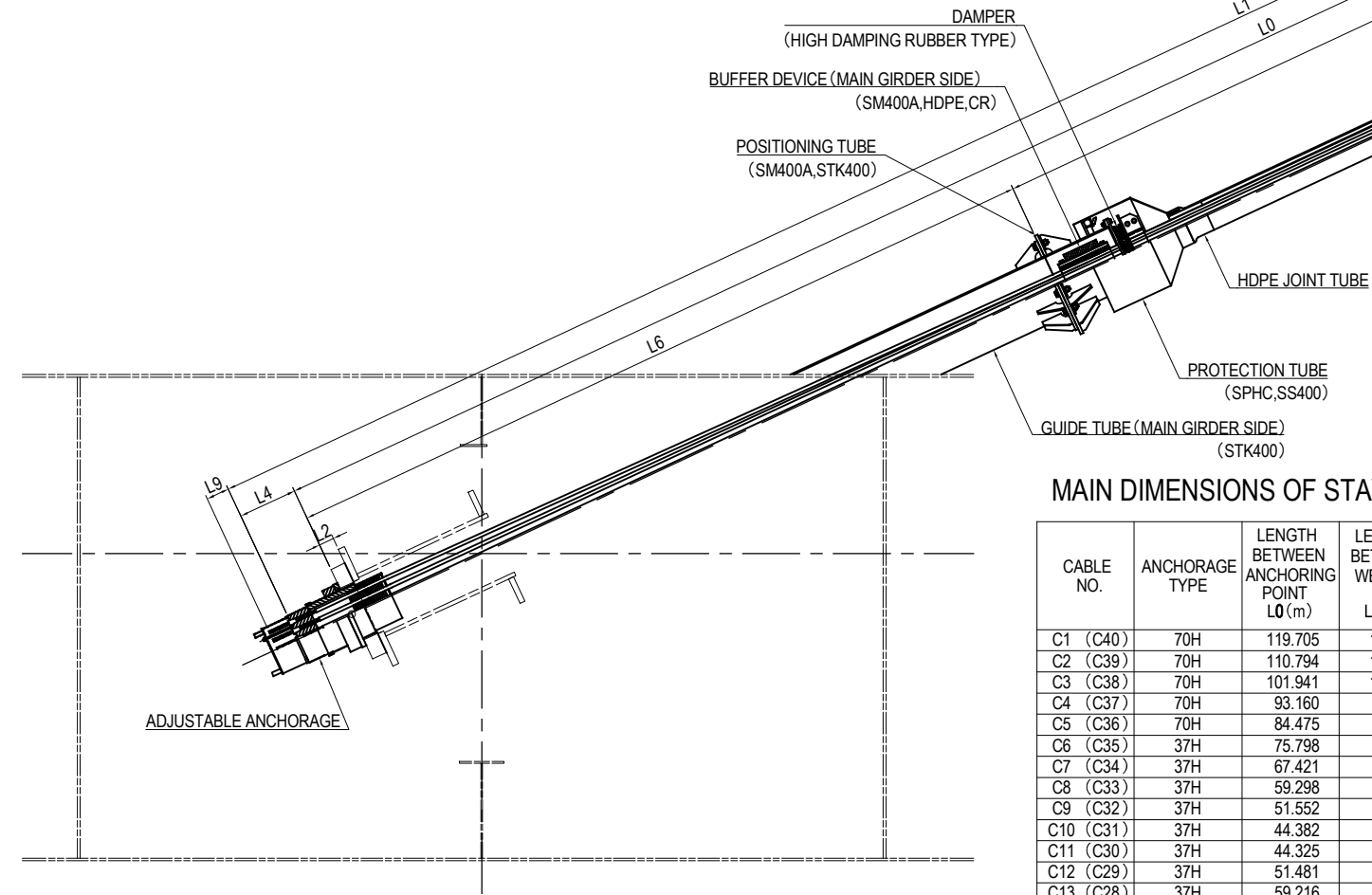
ANCHORAGE TYPE	37H	70H
CABLE CROSS SECTION		
NOM.AREA	5420 mm ²	10255 mm ²
TENSILE STRENGTH	9657 kN	18270 kN
ELASTIC MODULUS	190 kN/mm ²	190 kN/mm ²
UNIT WEIGHT (STRANDS+HDPE DUCT)	50.8 kg/m (37×1.288+3.1)	96.0 kg/m (70×1.288+5.8)

STRAND CROSS SECTION

	STRAND
STRAND CROSS SECTION	
NOM.AREA	146.5 mm ²
TENSILE STRENGTH	261 kN
ELASTIC MODULUS	190 kN/mm ²
UNIT WEIGHT (STRANDS+HDPE COATING)	1.288 kg/m



MAIN TOWER SIDE



MAIN GIRDER SIDE

MAIN DIMENSIONS OF STAY CABLE AND QUANTITY OF STRANDS

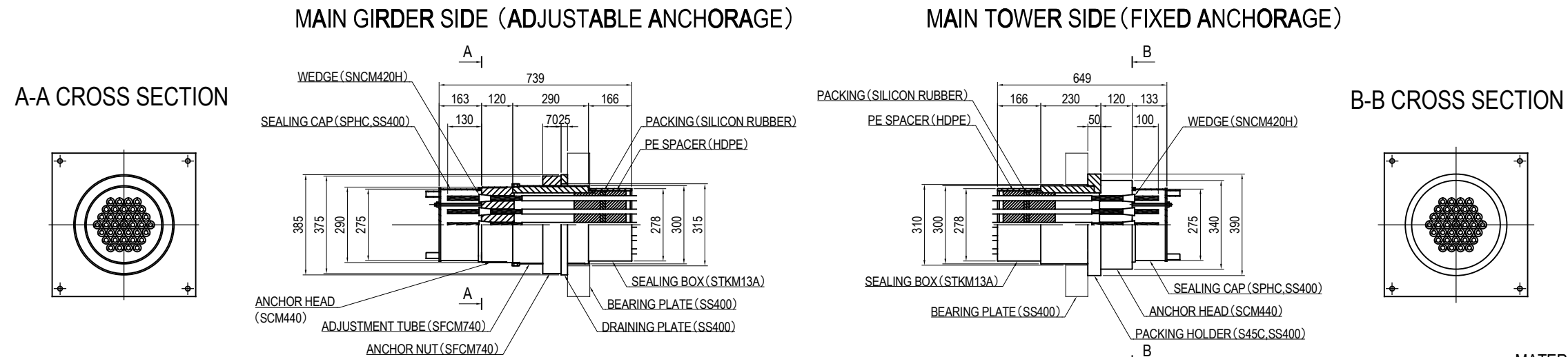
CABLE NO.	ANCHORAGE TYPE	LENGTH BETWEEN ANCHORING POINT L0 (m)	LENGTH BETWEEN WEDGES L1 (m)	BEALING PLATE THICKNESS		ANCHORAGE LENGTH		GUIDE TUBE LENGTH		CABLE PROTECTIVE LENGTH L8 (m)	EXTRA LENGTH AT MAIN GIRDER L9 (m)	MANUFACTURING LENGTH S (m)	STRANDS WEIGHT W (kg)	NO. OF CABLE	STRANDS TOTAL WEIGHT W1 (kg)
				L2 (m)	L3 (m)	L4 (m)	L5 (m)	L6 (m)	L7 (m)						
C1 (C40)	70H	119.705	120.305	0.110	0.110	0.395	0.210	4.062	1.482	114.161	0.160	121.810	10001.8	2	20003.6
C2 (C39)	70H	110.794	111.394	0.110	0.110	0.395	0.210	3.927	1.512	105.355	0.160	112.899	9270.1	2	18540.2
C3 (C38)	70H	101.941	102.541	0.110	0.110	0.395	0.210	3.782	1.543	96.616	0.160	104.046	8543.2	2	17086.4
C4 (C37)	70H	93.160	93.760	0.110	0.110	0.395	0.210	3.625	1.582	87.953	0.160	95.265	7822.2	2	15644.4
C5 (C36)	70H	84.475	85.075	0.110	0.110	0.395	0.210	3.455	1.633	79.387	0.160	86.580	7109.1	2	14218.2
C6 (C35)	37H	75.798	76.293	0.085	0.085	0.330	0.170	3.155	1.553	71.090	0.130	77.798	3376.5	2	6753.0
C7 (C34)	37H	67.421	67.916	0.085	0.085	0.330	0.170	2.968	1.654	62.799	0.130	69.421	3012.9	2	6025.8
C8 (C33)	37H	59.298	59.793	0.085	0.085	0.330	0.170	2.775	1.809	54.714	0.130	61.298	2660.4	2	5320.8
C9 (C32)	37H	51.552	52.047	0.085	0.085	0.330	0.170	2.579	2.069	46.904	0.130	53.552	2324.2	2	4648.4
C10 (C31)	37H	44.382	44.877	0.085	0.085	0.330	0.170	2.387	2.464	39.531	0.130	46.382	2013.0	2	4026.0
C11 (C30)	37H	44.325	44.820	0.085	0.085	0.330	0.170	2.386	2.458	39.481	0.130	46.325	2010.6	2	4021.2
C12 (C29)	37H	51.481	51.976	0.085	0.085	0.330	0.170	2.578	2.065	46.838	0.130	53.481	2321.1	2	4642.2
C13 (C28)	37H	59.216	59.711	0.085	0.085	0.330	0.170	2.775	1.805	54.636	0.130	61.216	2656.8	2	5313.6
C14 (C27)	37H	67.329	67.824	0.085	0.085	0.330	0.170	2.968	1.650	62.711	0.130	69.329	3008.9	2	6017.8
C15 (C26)	37H	75.698	76.193	0.085	0.085	0.330	0.170	3.155	1.549	70.994	0.130	77.698	3372.2	2	6744.4
C16 (C25)	70H	84.367	84.967	0.110	0.110	0.395	0.210	3.455	1.631	79.281	0.160	86.472	7100.2	2	14200.4
C17 (C24)	70H	93.045	93.645	0.110	0.110	0.395	0.210	3.626	1.580	87.839	0.160	95.150	7812.8	2	15625.6
C18 (C23)	70H	101.819	102.419	0.110	0.110	0.395	0.210	3.786	1.541	96.492	0.160	103.924	8533.2	2	17066.4
C19 (C22)	70H	110.666	111.266	0.110	0.110	0.395	0.210	3.935	1.511	105.220	0.160	112.771	9259.6	2	18519.2
C20 (C21)	70H	119.570	120.170	0.110	0.110	0.395	0.210	4.074	1.481	114.015	0.160	121.675	9990.7	2	19981.4
TOTAL													40	224399.0	

NOTES:

- 1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.
- 2 - MANUFACTURING LENGTH OF CABLE IS CALCULATED BY S=L1+1.5.
- 3 - THE WEIGHT OF STRANDS IS CALCULATED BY UNIT WEIGHT OF EXCLUDED PE COATING. (UNIT WEIGHT: 1.173kg/m)

DETAIL OF STAY CABLE ANCHORAGE S=1:20

37H TYPE ANCHORAGE APPLICABLE CABLE NO. : C6 TO C15, C26 TO C35



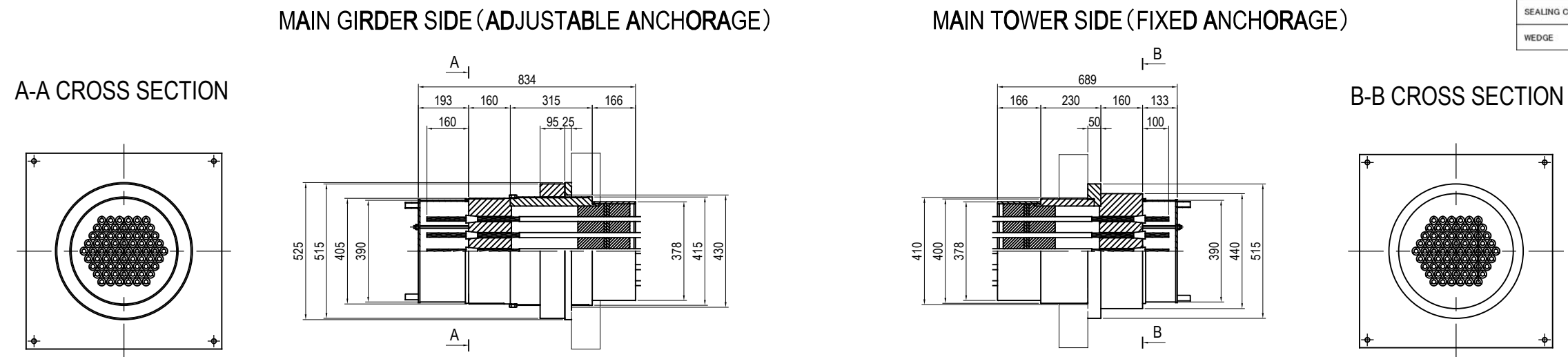
37H TYPE ANCHORAGE QUANTITY

TYPE	TOTAL QUANTITY (set)	UNIT WEIGHT (kg)
MAIN GIRDER SIDE (ADJUSTABLE ANCHORAGE)	20	170
MAIN TOWER SIDE (FIXED ANCHORAGE)	20	165

MATERIAL LIST

ANCHORAGE PARTS	MATERIAL GRADE	ANTICORROSSIVE TREATMENT
ANCHOR HEAD	JIS G 4053 SCM440	ERECTROPLANTED COATING 13 μ
ADJUSTMENT TUBE	JIS G 3221 SFCM740	ZN-AL ALLOY SPLAYING 100 μ
ANCHOR NUT	JIS G 3221 SFCM740	ELECTROPLATED COATING 13 μ
PACKING HOLDER	FLANGE PART SS400	ZN-AL ALLOY SPLAYING 100 μ
	PIPE PART S45C	ZN-AL ALLOY SPLAYING 100 μ
DRAINING PLATE	JIS G 3101 SS400	ZINC HOT DIP GALVANIZING HDZ55
SEALING BOX	JIS G 3445 STKM13A	ZN-AL ALLOY SPLAYING 100 μ
SEALING CAP	JIS G 3101 SS400	ZINC HOT DIP GALVANIZING HDZ55
WEDGE	JIS G 4052 SNCM420H	ANTICORROSSIVE OIL

70H TYPE ANCHORAGE APPLICABLE CABLE NO. : C1 TO C5, C16 TO C25 & C36 TO C40



70H TYPE ANCHORAGE QUANTITY

TYPE	TOTAL QUANTITY (set)	UNIT WEIGHT (kg)
MAIN GIRDER SIDE (ADJUSTABLE ANCHORAGE)	20	368
MAIN TOWER SIDE (FIXED ANCHORAGE)	20	304

NOTES:
1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

DETAIL OF STAY CABLE BEARING PLATE S=1:20

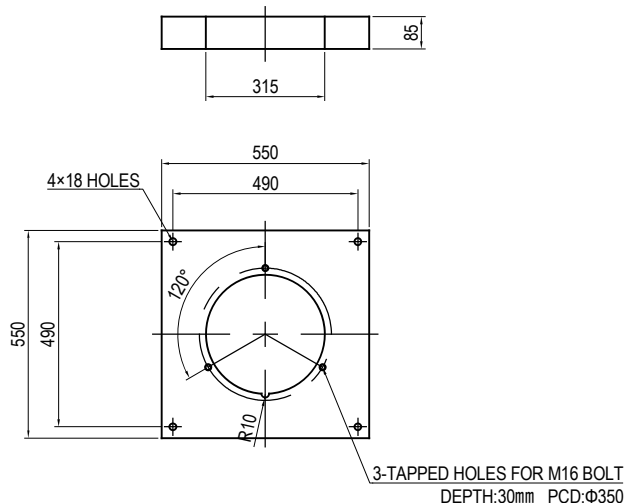
37H TYPE BEARING PLATE

APPLICABLE CABLE NO. : C6 TO C15, C26 TO C35

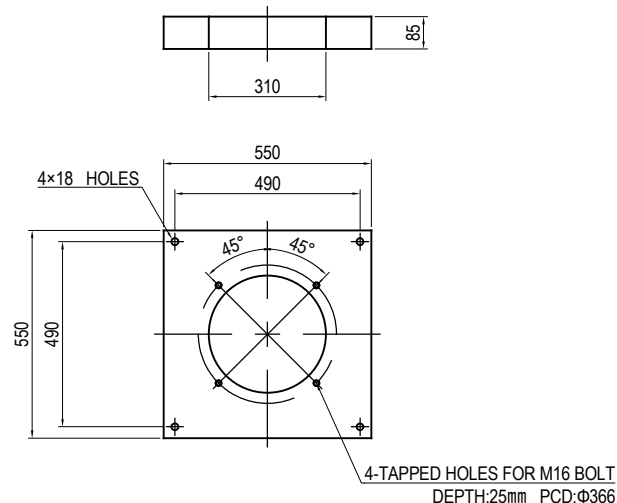
MATERIAL GRADE : SS400 (JIS G 3101)

ANTICORROSION TREATMENT : ZINC HOT GALVANIZING HDZ55 (JIS H 8641)

MAIN GIRDER SIDE



MAIN TOWER SIDE



37H TYPE BEARING PLATE QUANTITY

SETTING SIDE	TOTAL QUANTITY	UNIT WEIGHT (kg)
MAIN GIRDER SIDE	20	149.8
MAIN TOWER SIDE	20	151.5

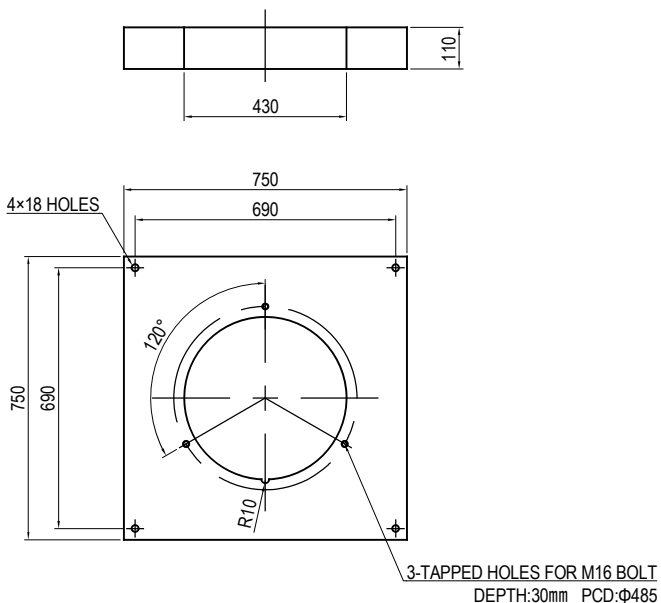
70H TYPE BEARING PLATE

APPLICABLE CABLE NO. : C1 TO C5, C16 TO C25 & C36 TO C40

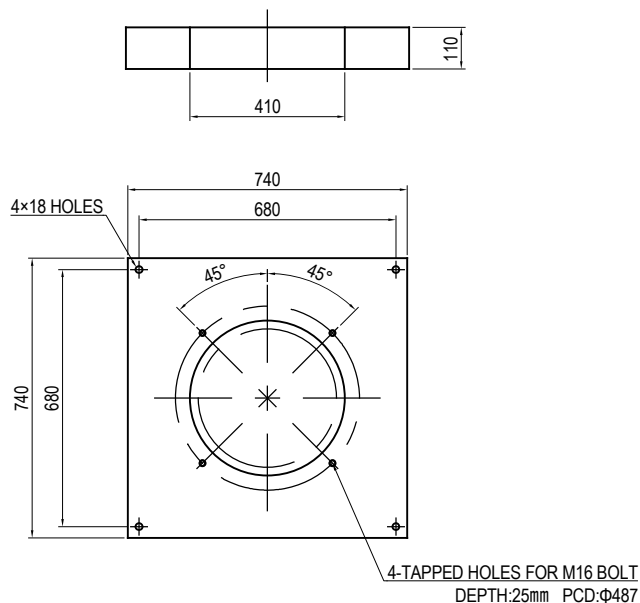
MATERIAL GRADE : SS400 (JIS G 3101)

ANTICORROSION TREATMENT : ZINC HOT GALVANIZING HDZ55 (JIS H 8641)

MAIN GIRDER SIDE



MAIN TOWER SIDE



70H TYPE BEARING PLATE QUANTITY

SETTING SIDE	TOTAL QUANTITY	UNIT WEIGHT (kg)
MAIN GIRDER SIDE	20	360.3
MAIN TOWER SIDE	20	358.8

NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

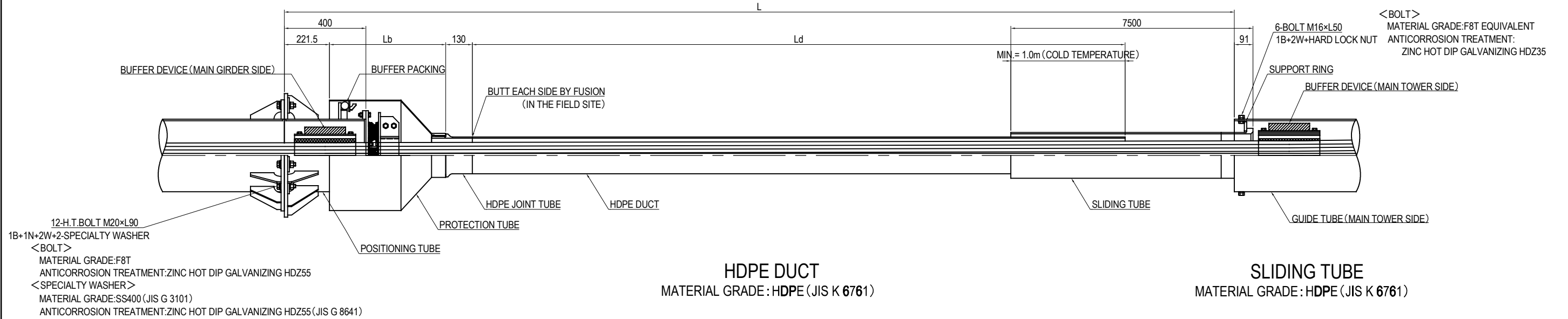
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STAY CABLE BEARING PLATE	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1530

DETAIL OF STAY CABLE PROTECTION ITEM (1)

S=1:20

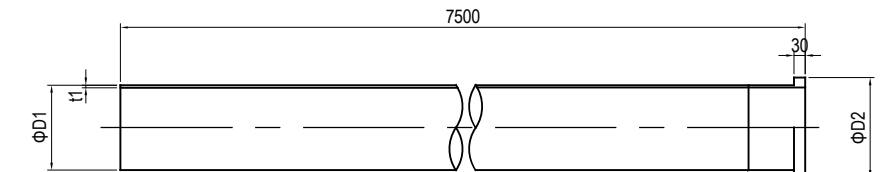
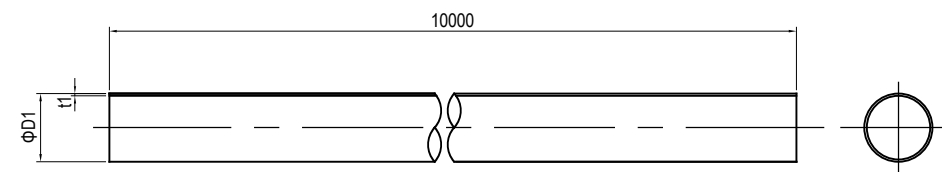
MAIN GIRDER SIDE ANCHORING STRUCTURE

MAIN TOWER SIDE ANCHORING STRUCTURE



HDPE DUCT
MATERIAL GRADE : HDPE (JIS K 6761)

SLIDING TUBE
MATERIAL GRADE : HDPE (JIS K 6761)



HDPE DUCT DIMENSION AND QUANTITY

CABLE NO.	ANCHORAGE TYPE	CABLE PROTECTIVE LENGTH L8 (m)	PROTECTION TUBE LENGTH Lp (mm)	HDPE DUCT DIMENSION		NO. OF CABLE	TOTAL LENGTH (m)
				OUTSIDE DIAMETER Φ (mm)	LENGTH (COLD TEMP.) Ld (m)		
C1 (C40)	70H	114.161	600	250	106.800	2	213.600
C2 (C39)	70H	105.355	600	250	97.994	2	195.988
C3 (C38)	70H	96.616	600	250	89.255	2	178.510
C4 (C37)	70H	87.953	600	250	80.592	2	161.184
C5 (C36)	70H	79.387	600	250	72.026	2	144.052
C6 (C35)	37H	71.090	570	180	63.759	2	127.518
C7 (C34)	37H	62.799	570	180	55.468	2	110.936
C8 (C33)	37H	54.714	570	180	47.383	2	94.766
C9 (C32)	37H	46.904	570	180	39.573	2	79.146
C10 (C31)	37H	39.531	570	180	32.200	2	64.400
C11 (C30)	37H	39.481	570	180	32.150	2	64.300
C12 (C29)	37H	46.838	570	180	39.507	2	79.014
C13 (C28)	37H	54.636	570	180	47.305	2	94.610
C14 (C27)	37H	62.711	570	180	55.380	2	110.760
C15 (C26)	37H	70.994	570	180	63.663	2	127.326
C16 (C25)	70H	79.281	600	250	71.920	2	143.840
C17 (C24)	70H	87.839	600	250	80.478	2	160.956
C18 (C23)	70H	96.492	600	250	89.131	2	178.262
C19 (C22)	70H	105.220	600	250	97.859	2	195.718
C20 (C21)	70H	114.015	600	250	106.654	2	213.308
TOTAL							2738.194
Φ180							952.776
Φ250							1785.418

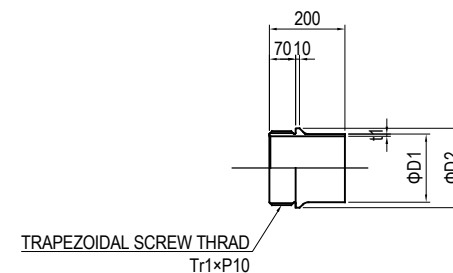
HDPE DUCT DIMENSION

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER	THICKNESS	UNIT WEIGHT (kg/m)
		ΦD1 (mm)	t1 (mm)	
37H	C6 TO C15, C26 TO C35	180	6	3.1
70H	C1 TO C5, C16 TO C25 & C36 TO C40	250	8	5.8

SLIDING TUBE DIMENSION AND QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER		THICKNESS t1 (mm)	TOTAL QUANTITY	UNIT WEIGHT (kg)
		ΦD1 (mm)	ΦD2 (mm)			
37H	C6 TO C15, C26 TO C35	225	265	7	20	35.0
70H	C1 TO C5, C16 TO C25 & C36 TO C40	280	320	9	20	55.7

HDPE JOINT TUBE
MATERIAL GRADE : HDPE (JIS K 6761)

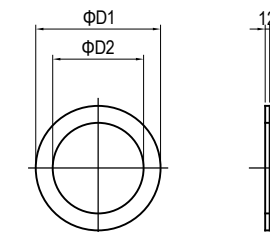


HDPE JOINT TUBE DIMENSION AND QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER		THICKNESS	Tr1 (mm)	TOTAL QUANTITY	UNIT WEIGHT (kg)
		ΦD1 (mm)	ΦD2 (mm)	t1 (mm)			
37H	C6 TO C15, C26 TO C35	180	210	6	195	20	1.0
70H	C1 TO C5, C16 TO C25 & C36 TO C40	250	284	8	265	20	1.7

SUPPORT RING

MATERIAL GRADE : SS400 (JIS G 3101)
ANTICORROSION TREATMENT : ZINC HOT DIP GALVANIZING HDZ55 (JIS H 8641)



SUPPORT RING DIMENSION AND QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER	INSIDE DIAMETER	TOTAL QUANTITY	UNIT WEIGHT (kg)
		ΦD1 (mm)	ΦD2 (mm)		
37H	C6 TO C15, C26 TO C35	330	240	20	3.8
70H	C1 TO C5, C16 TO C25 & C36 TO C40	419	295	20	6.6

NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

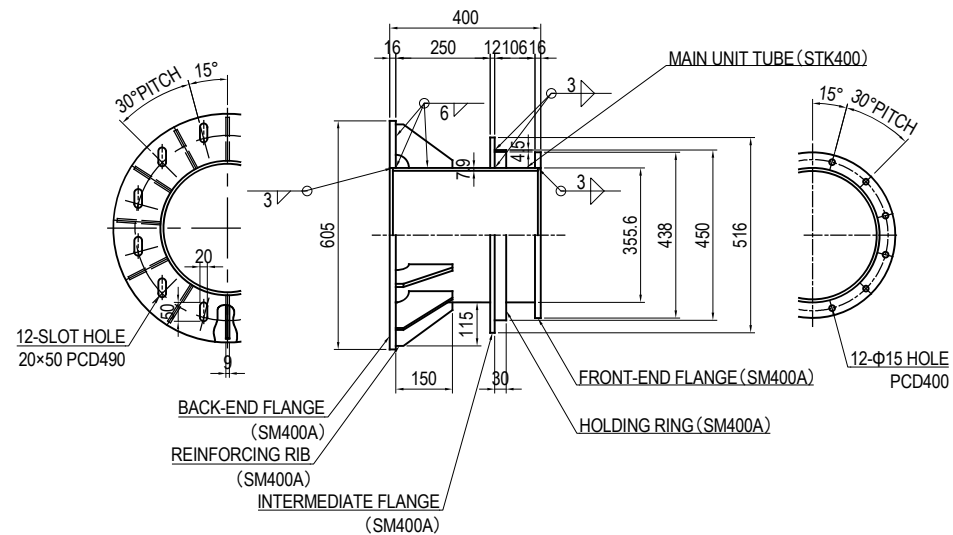
DETAIL OF STAY CABLE PROTECTION ITEM (2)

S=1:20

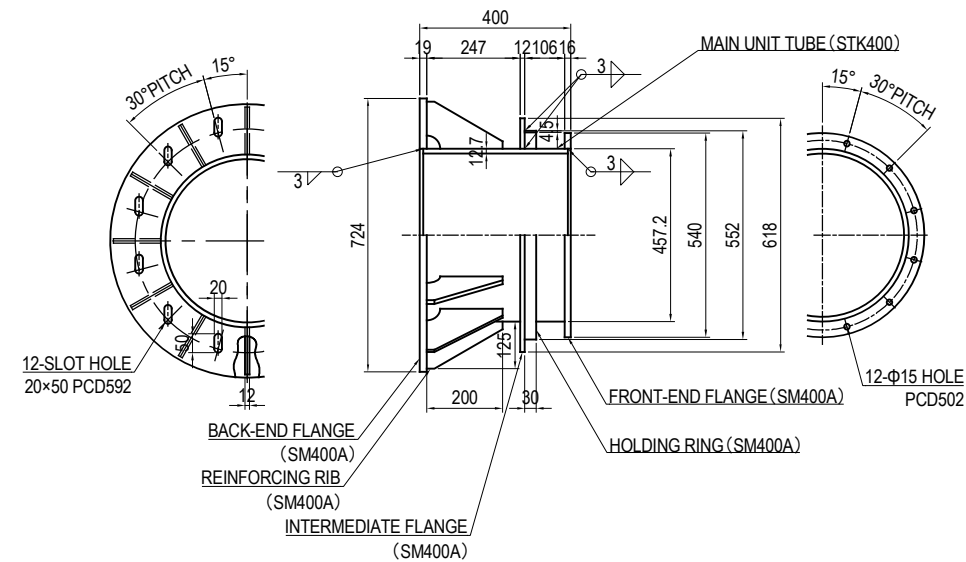
POSITIONING TUBE

MATERIAL GRADE : SM400A (JIS G 3106), STK400 (JIS G 3444)
 ANTICORROSION TREATMENT : ZINC HOT DIP GALVANIZING HDZ55 (JIS H 8641)

37H TYPE POSITIONING TUBE



70H TYPE POSITIONING TUBE

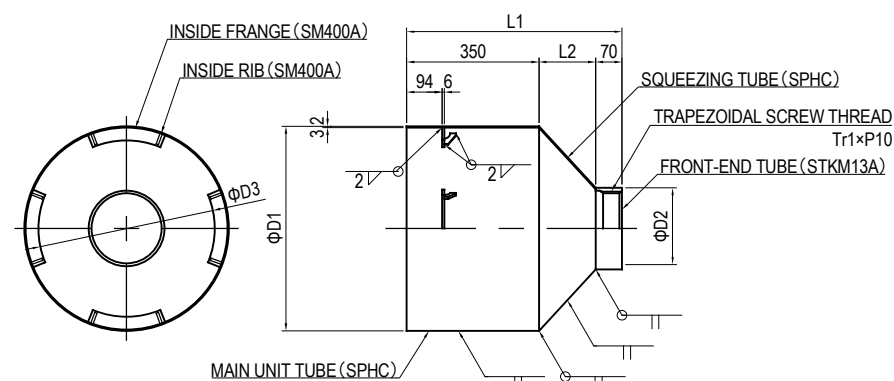


POSITIONING TUBE QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	TOTAL QUANTITY	UNIT WEIGHT (kg)
37H	C6 TO C15, C26 TO C35	20	75.7
70H	C1 TO C5, C16 TO C25 & C36 TO C40	20	124.8

PROTECTION TUBE

MATERIAL GRADE : SPHC (JIS G 3131), SM400A (JIS G 3106), STKM13A (JIS G 3445)
 ANTICORROSION TREATMENT : ZINC HOT DIP GALVANIZING HDZ35 (JIS H 8641) AND THICK ANTICORROSION COAT (JAPAN ROAD ASSOCIATION ZC-1 COATING)



PROTECTION TUBE DIMENSION AND QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	OUTSIDE DIAMETER		L1 (mm)	L2 (mm)	Tr1 (mm)	TOTAL QUANTITY	UNIT WEIGHT (kg)
		ΦD1 (mm)	ΦD2 (mm)					
37H	C6 TO C15, C26 TO C35	541	216.3	570	150	196	20	25.1
70H	C1 TO C5, C16 TO C25 & C36 TO C40	643	280	600	180	266	20	30.8

NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STAY CABLE PROTECTION ITEM (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1532

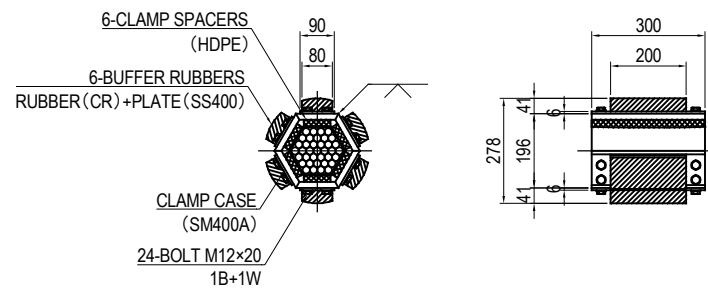
DETAIL OF STAY CABLE PROTECTION ITEM (3)

S=1:20

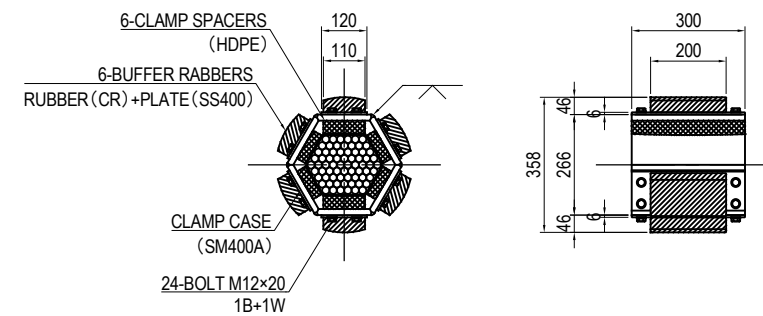
BUFFER DEVICE

MATERIAL GRADE : SM400A (JIS G 3106), SS400 (JIS G 3101),
CR (JIS K 6253), HDPE (JIS K 6922)
ANTICORROSION TREATMENT : ZINC HOT DIP GALVANIZING HDZ55 (JIS H 8641)

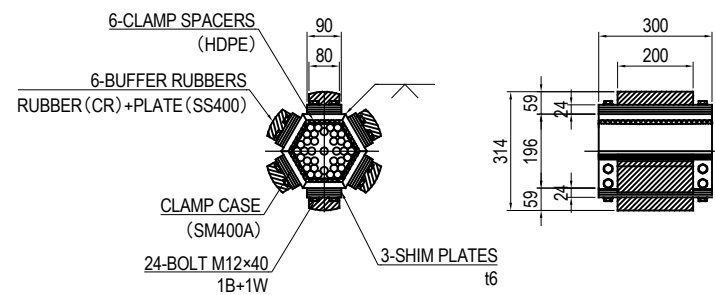
37H TYPE MAIN GIRDER SIDE BUFFER DEVICE



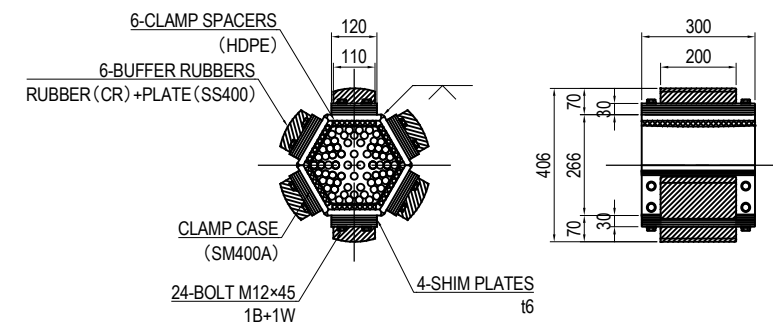
70H TYPE MAIN GIRDER SIDE BUFFER DEVICE



37H TYPE MAIN TOWER SIDE BUFFER DEVICE



70H TYPE MAIN TOWER SIDE BUFFER DEVICE



BUFFER DEVICE QUANTITY

ANCHORAGE TYPE	APPLICABLE CABLE NO.	SETTING SIDE	TOTAL QUANTITY	UNIT WEIGHT (kg)
37H	C6 TO C15, C26 TO C35	MAIN GIRDER SIDE	20	38.9
		MAIN TOWER SIDE	20	61.4
70H	C1 TO C5, C16 TO C25 & C36 TO C40	MAIN GIRDER SIDE	20	56.0
		MAIN TOWER SIDE	20	94.6

<BOLT>

MATERIAL GRADE:F8T EQUIVALENT
ANTICORROSION TREATMENT:ZINC HOT DIP GALVANIZING HDZ35

NOTES:

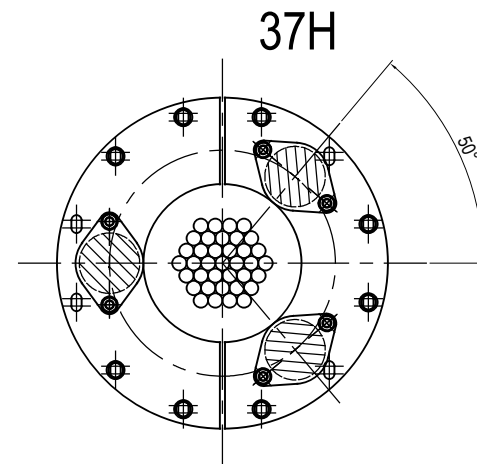
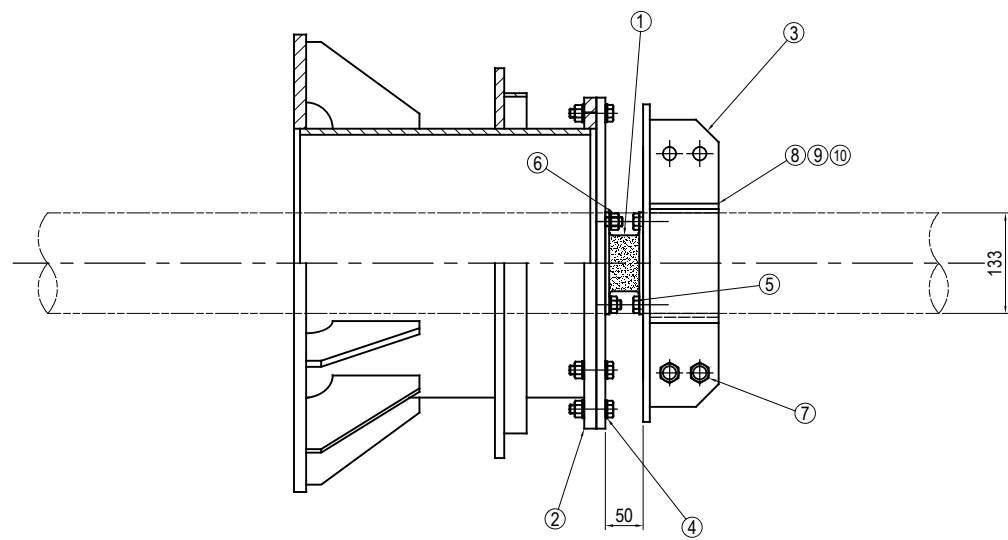
1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T.TOMODA			DETAIL OF STAY CABLE PROTECTION ITEM (3)	1
				T.HAYAKAWA				DWG No.
				Y.SANO				P1-CS-1533

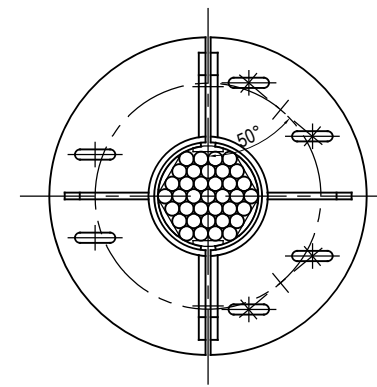
ASSEMBLY DRAWING

VIBRATION CONTROL DEVICE FOR STAY CABLE (1)

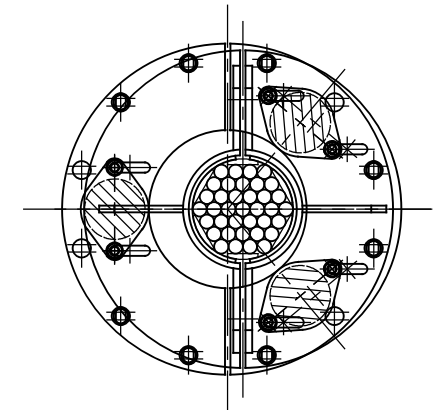
S=1:10



POSITION FOR SUPPORTING PL

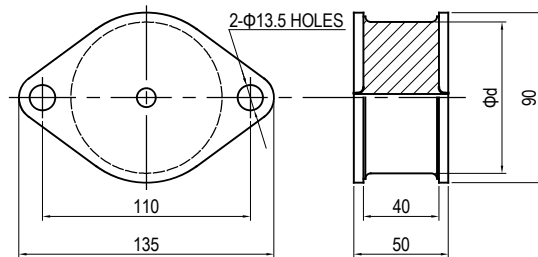


POSITION FOR DAMPING CLAMP WITH 3 HIGH DAMPING RUBBERS



INSTALLATION A DEVICE WITH AN ECCENTRICITY 20mm

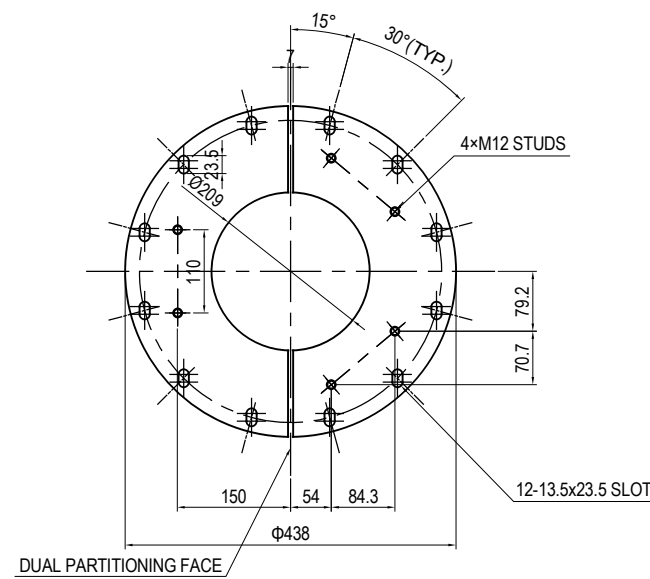
① HIGH DAMPING RUBBER S=1:4



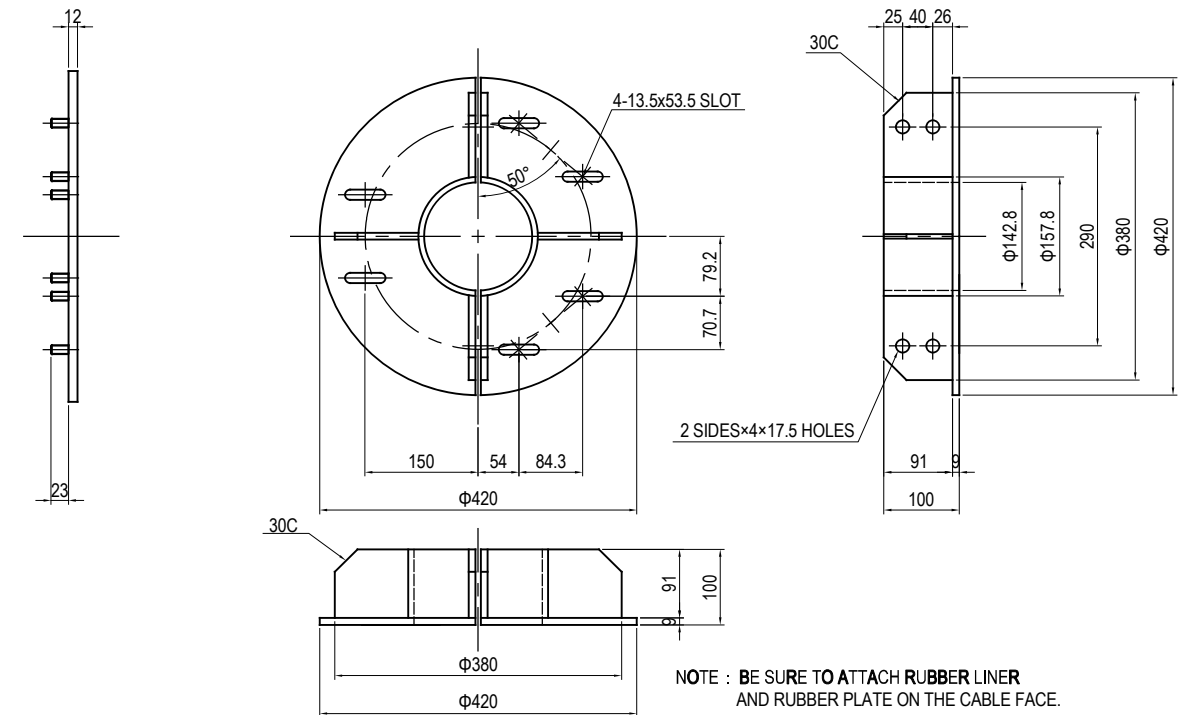
TYPE	Φd	SPRING CONSTANT K	LOSS COEFFICIENT tanδ
80-10-40	80	280±56 N/mm	0.63 OR MORE

SPRING CONSTANT・MEASUREMENT CONDITIONS OF LOSS COEFFICIENT : SHEAR DISTORTION RATE ±25.0%, FREQUENCY 2HZ, TEMPERATURE 23±5°C

② SUPPORTING PL SUPPORT BY 3 PLATES



③ DAMPING CLAMP SUPPORT BY 3 PLATES



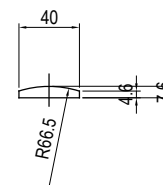
NOTE : BE SURE TO ATTACH RUBBER LINER AND RUBBER PLATE ON THE CABLE FACE.

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	REMARKS	SIZE	NOS.
①	HIGH DAMPING RUBBER	RUBBER		80-10-40	3
②	SUPPORTING PL	WORTH SS400	HOT DIP GALVANIZING, HDZ55 (PRETREATMENT: BLAST)		1
③	DAMPING CLAMP	WORTH SS400 & STKM	HOT DIP GALVANIZING, HDZ55 (PRETREATMENT: BLAST)		1 SET
④	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 WASHERS	M12-50L	12 SETS
⑤	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT, PLAIN WASHER & SMALL CIRCULAR WASHER	M12-35L	4 SETS
⑥	NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & SMALL CIRCULAR WASHER	M12	4 SETS
⑦	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 PLAIN WASHERS	M16-50L	4 SETS
⑧	RUBBER LINER 1	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		2
⑨	RUBBER LINER 2	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		4
⑩	RUBBER PL	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		2

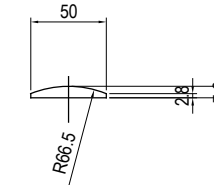
NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

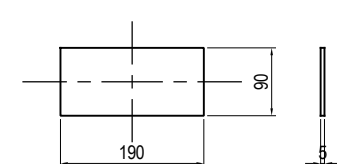
⑧ RUBBER LINER 1 S=1:5



⑨ RUBBER LINER 2 S=1:5



⑩ RUBBER PL

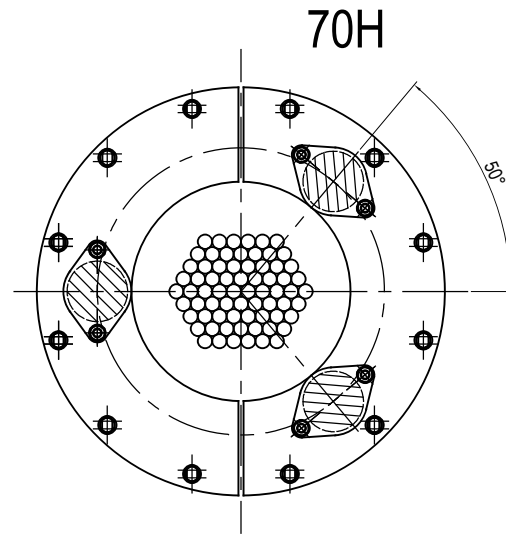
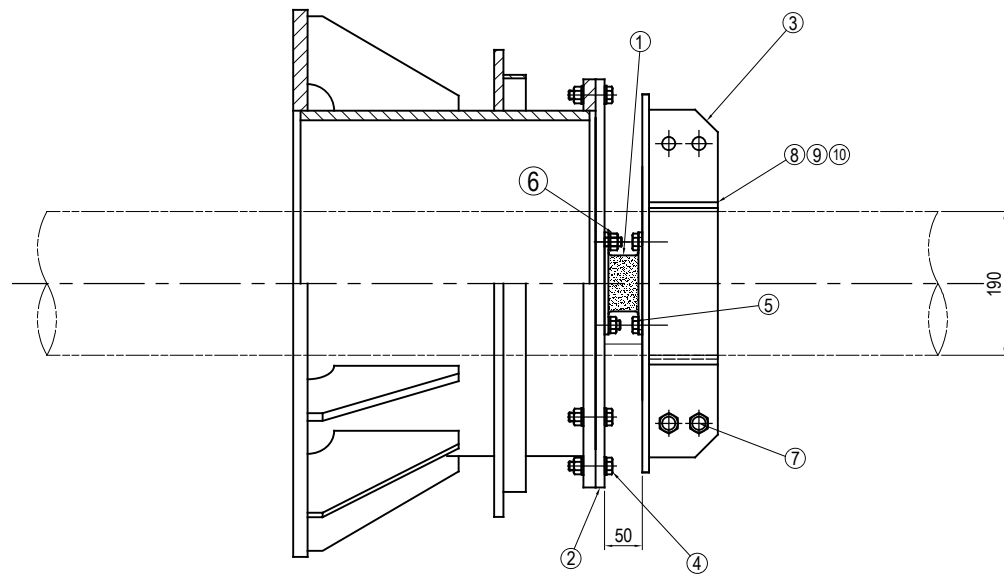


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE VIBRATION CONTROL DEVICE FOR STAY CABLE (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-1534

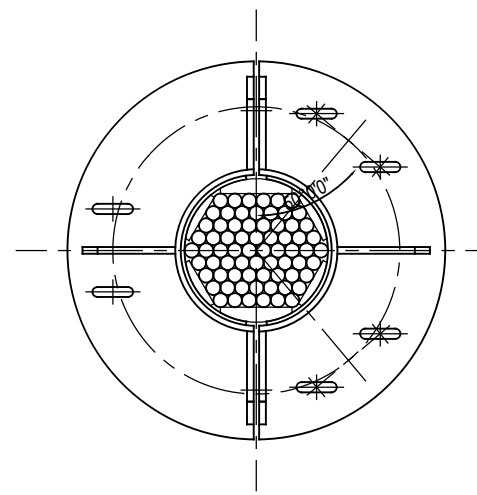
ASSEMBLY DRAWING

VIBRATION CONTROL DEVICE FOR STAY CABLE (2)

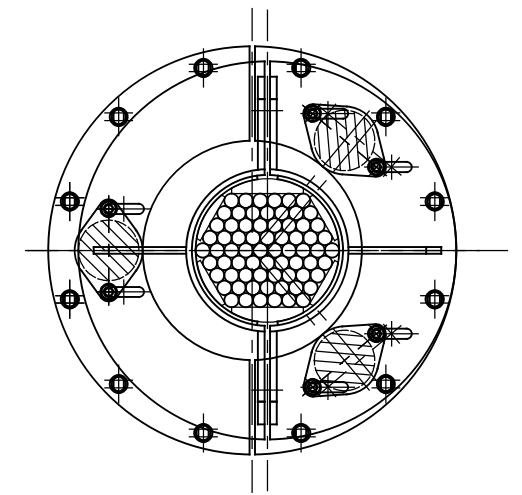
S=1:10



POSITION FOR SUPPORTING PL

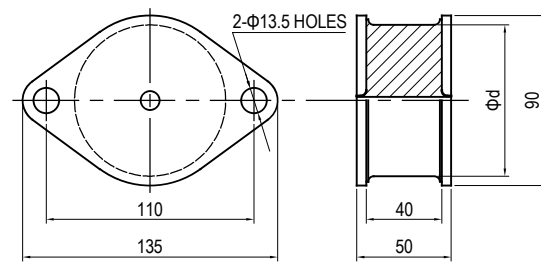


POSITION FOR DAMPING CLAMP WITH 3 HIGH DAMPING RUBBERS



INSTALLATION A DEVICE WITH AN ECCENTRICITY 20mm

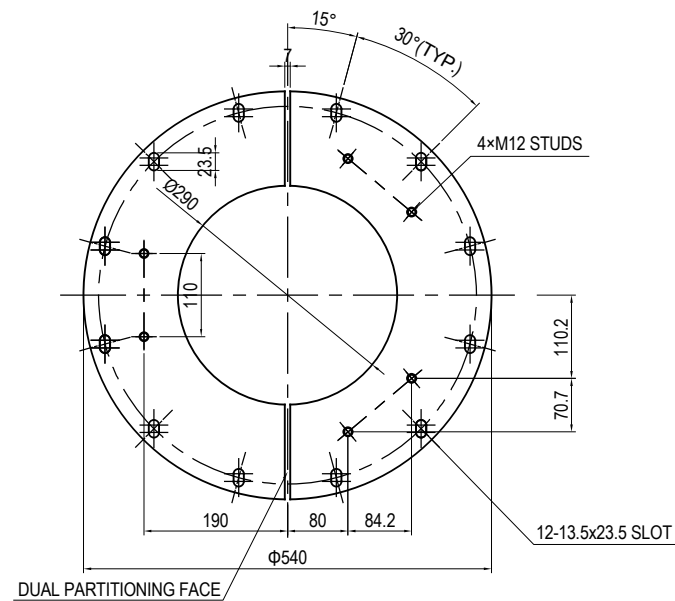
① HIGH DAMPING RUBBER S=1:4



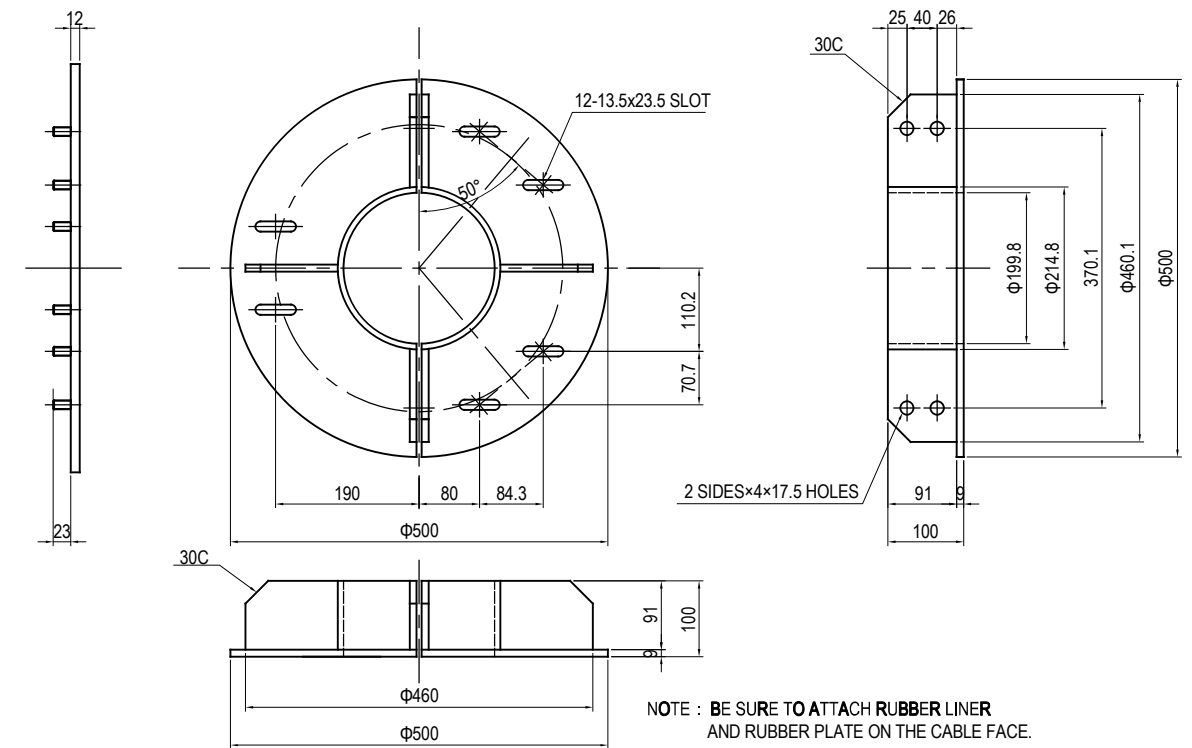
TYPE	φd	SPRING CONSTANT K	LOSS COEFFICIENT tanδ
80-10-40	80	280±56	N/mm 0.63 OR MORE

SPRING CONSTANT・MEASUREMENT CONDITIONS OF LOSS COEFFICIENT :
SHEAR DISTORTION RATE ±25.0%, FREQUENCY 2HZ, TEMPERATURE 23±5°C

② SUPPORTING PL SUPPORT BY 3 PLATES



③ DAMPING CLAMP SUPPORT BY 3 PLATES



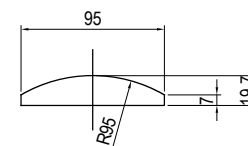
NOTE : BE SURE TO ATTACH RUBBER LINER AND RUBBER PLATE ON THE CABLE FACE.

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	REMARKS	SIZE	NOS.
①	HIGH DAMPING RUBBER	RUBBER		80-10-40	3
②	SUPPORTING PL	WORTH SS400	HOT DIP GALVANIZING HDZ55 (PRETREATMENT:BLAST)		1
③	DAMPING CLAMP	WORTH SS400 & STKM	HOT DIP GALVANIZING HDZ55 (PRETREATMENT:BLAST)		1 SET
④	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 WASHERS	M12-50L	12 SETS
⑤	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT, PLAIN WASHER & SMALL CIRCULAR WASHER	M12-35L	4 SETS
⑥	NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & SMALL CIRCULAR WASHER	M12	4 SETS
⑦	BOLT & NUT	SS400	HOT DIP GALVANIZING HDZ35, WORTH LOCKNUT & 2 PLAIN WASHERS	M16-50L	4 SETS
⑧	RUBBER LINER 1	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		2
⑨	RUBBER LINER 2	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		4
⑩	RUBBER PL	WEATHERPROOF RUBBER	EPDM(WORTH Hs60), BLACK		2

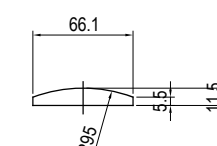
NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

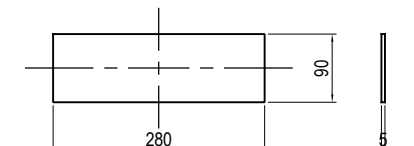
⑧ RUBBER LINER 1 S=1:5



⑨ RUBBER LINER 2 S=1:5






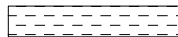

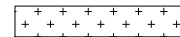


⑩ RUBBER PL



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA SIGNATURE T. HAYAKAWA DATE Y. SANO	DRAWING TITLE VIBRATION CONTROL DEVICE FOR STAY CABLE (2)	PACKAGE 1 DWG No. P1-CS-1535
---	--	---	--	--	---	---------------------------------------

DETAIL OF PAINTING SYSTEM (1)

Description	General Surface			Joint Connection (Steel Mills and Fabrication Shop: splice plate, filler plate and contact surface of girder) (Construction Site: Splice Plate and Bolts)			Surface in Contact with Concrete and Pavement	
	I. External		II. Internal	III. External		IV. Internal	V. General Surface	VI. Joint Connection
	(A) Normal	(B) Particular		(A) Normal	(B) Particular			
Steel Mills								
1. Preliminary Surface Treatment	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	SSPC-SP10 Near - white Blast Cleaning	SSPC-SP10 Near - white Blast Cleaning
2. Primer	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (160g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (200g/m ²)	Inorganic Zinc-Rich Shop Primer DFT : 15µm (200g/m ²)
Fabrication Shop								
3. Surface Treatment	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Power Tool Cleaned (ISO Sa3)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	Blast Cleaned (ISO Sa2.5)	SSPC-SP10 Near - white Blast Cleaning	SSPC-SP10 Near - white Blast Cleaning
4. 1st Under-Coat	Inorganic Zinc-Rich Paint DFT : 75µm (600g/m ²)	Inorganic Zinc-Rich Paint DFT : 75µm (600g/m ²)	Formulated Epoxy Resin DFT : 120µm (410g/m ²)	Inorganic Zinc-Rich Paint DFT : 75µm (600g/m ²)	Inorganic Zinc-Rich Paint DFT : 75µm (600g/m ²)	Inorganic Zinc-Rich Paint DFT : 75µm (600g/m ²)	High Build Type Inorganic Zinc Rich Paint (Self-Curing Solvent Type) DFT : 30µm (280g/m ²)	High Build Type Inorganic Zinc Rich Paint (Self-Curing Solvent Type) DFT : 75µm (700g/m ²)
5. 2nd Under-Coat	Epoxy Resin DFT : (160g/m ²)	Epoxy Resin DFT : (160g/m ²)	Formulated Epoxy Resin DFT : 120µm (410g/m ²)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
6. 3rd Under-Coat	Epoxy Resin DFT : 120µm (540g/m ²)	Epoxy Resin DFT : 240µm (1080g/m ²)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
7. 4th Under-Coat	Fluorescent Resin DFT : 30µm (170g/m ²)	Fluorescent Resin DFT : 30µm (170g/m ²)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
8. 5th Intermediate Coat	Fluorescent Resin DFT : 25µm (140g/m ²)	Fluorescent Resin DFT : 25µm (140g/m ²)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
9. Finish Coat	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
Construction Site								
10. Surface Treatment	(N.A.)	(N.A.)	(N.A.)	Power Tool Cleaned (ISO St3)	Power Tool Cleaned (ISO St3)	Power Tool Cleaned (ISO St3)	(N.A.)	(N.A.)
11. 1st Under-Coat	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
12. 2nd Under-Coat	(N.A.)	(N.A.)	(N.A.)	Formulated Epoxy Resin DFT : 120µm (410g/m ²)	Formulated Epoxy Resin DFT : 120µm (410g/m ²)	Formulated Epoxy Resin DFT : 160g/m ²	(N.A.)	(N.A.)
13. 3rd Under-Coat	(N.A.)	(N.A.)	(N.A.)	Ultra Thick Epoxy Resin DFT : 300µm (1100g/m ²)	Ultra Thick Epoxy Resin DFT : 600µm (2200g/m ²)	Ultra Thick Epoxy Resin DFT : 300µm (1100g/m ²)	(N.A.)	(N.A.)
14. 4th Under-Coat	(N.A.)	(N.A.)	(N.A.)	Fluorescent Resin DFT : 25µm (170g/m ²) (140g/m ² by brush)	Fluorescent Resin DFT : 25µm (170g/m ²) (140g/m ² by brush)	(N.A.)	(N.A.)	(N.A.)
15. 5th Under-Coat	(N.A.)	(N.A.)	(N.A.)	Fluorescent Resin DFT : 25µm (140g/m ²) (120g/m ² by brush)	Fluorescent Resin DFT : 25µm (140g/m ²) (120g/m ² by brush)	(N.A.)	(N.A.)	(N.A.)
16. Intermediate Coat	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
17. Finish Coat	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	(N.A.)
Explanatory Remarks (Line/Hatch)	-----	-----	-----	-----	~~~~~	//////	-----	+++++
								

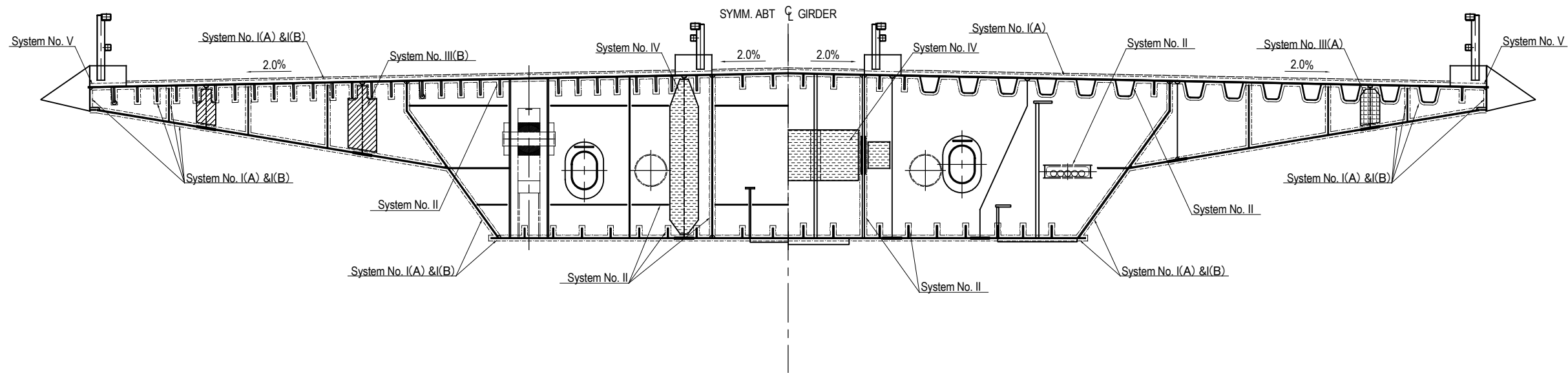
DETAIL OF PAINTING SYSTEM (2)

S=1:80

TYPICAL SECTION

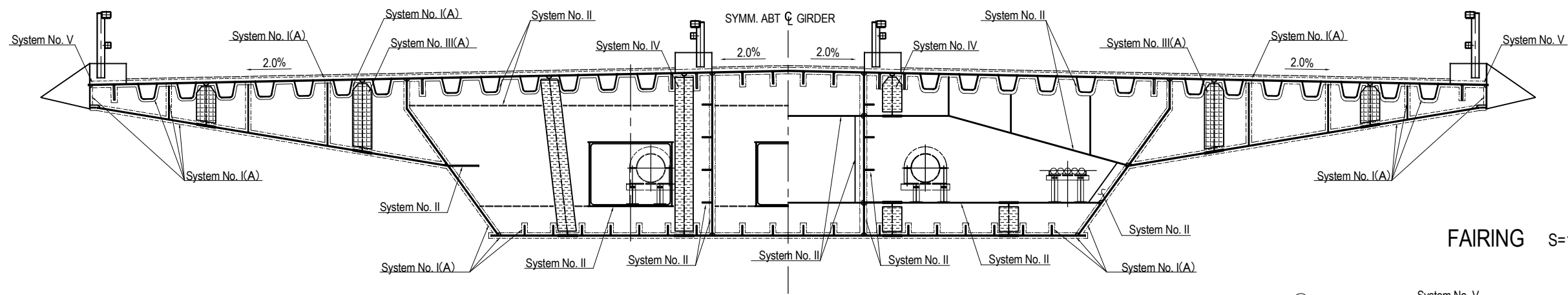
END CROSS BEAM SECTION

MIDDLE CROSS BEAM SECTION

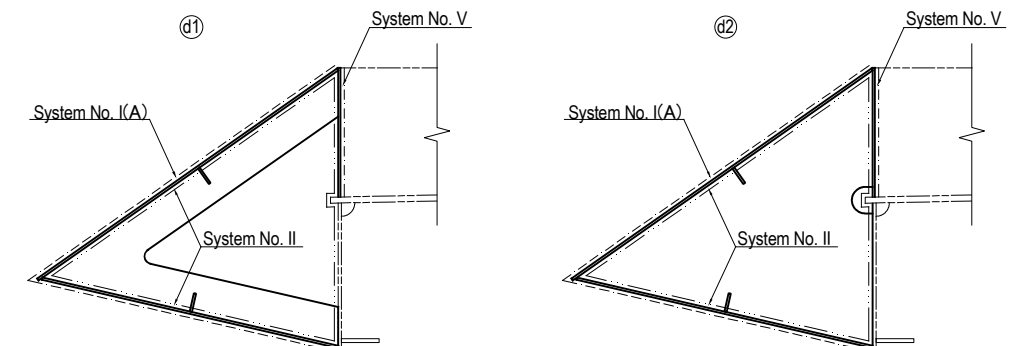


DIAPHRAGM SECTION

CROSSFRAME SECTION



FAIRING S=1:20



NOTES:

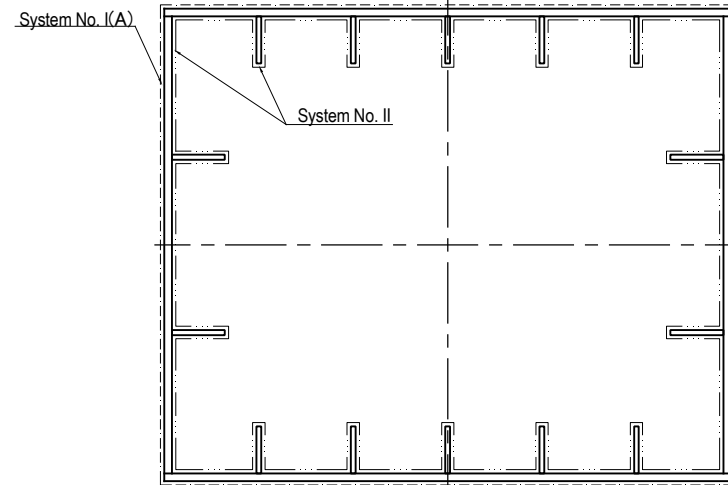
1 - THE CONTRACTOR SHALL MARK PAINTING RECORD TABLE AT GIRDER AND TOWER

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PAINTING SYSTEM (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1602

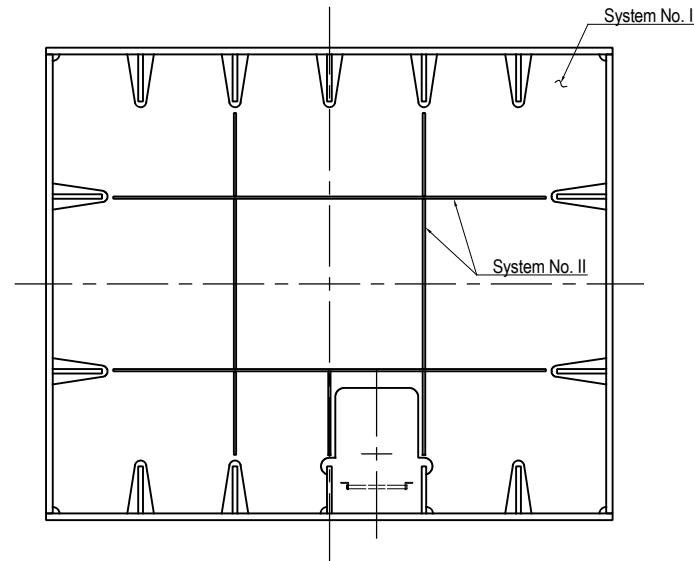
DETAIL OF PAINTING SYSTEM (3)

S=1:40

TYPICAL SECTION

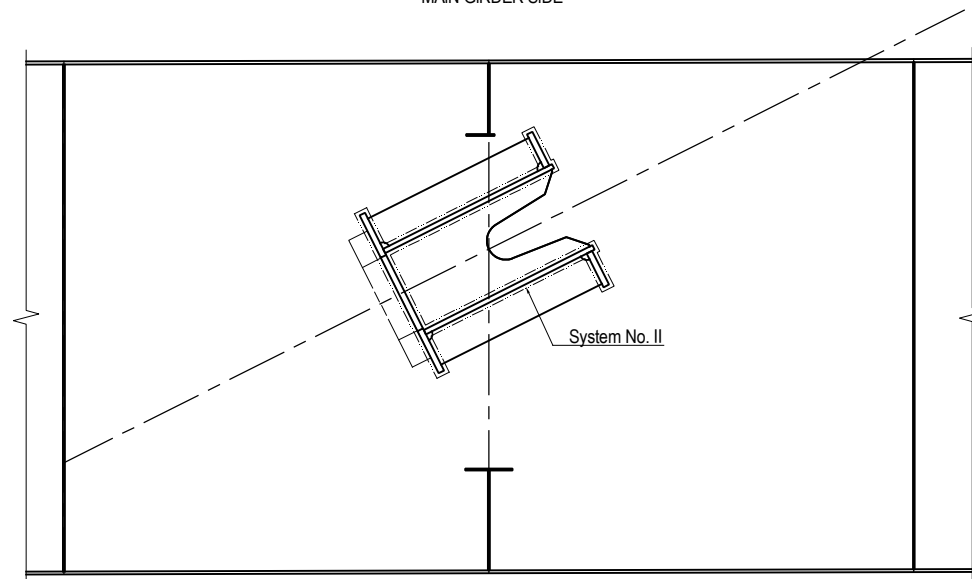


TYPICAL DIAPHRAGM SECTION

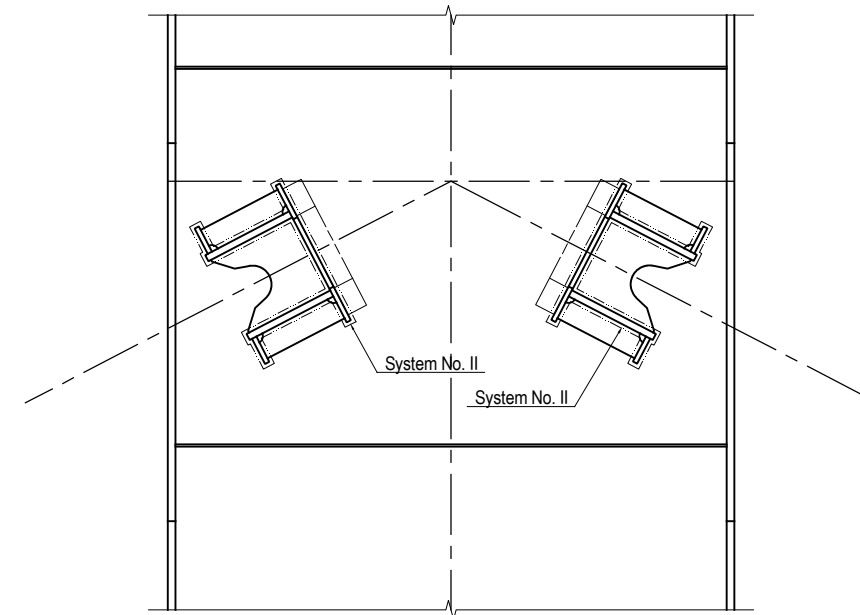


STAY CABLE ANCHORAGE

MAIN GIRDER SIDE



MAIN TOWER SIDE



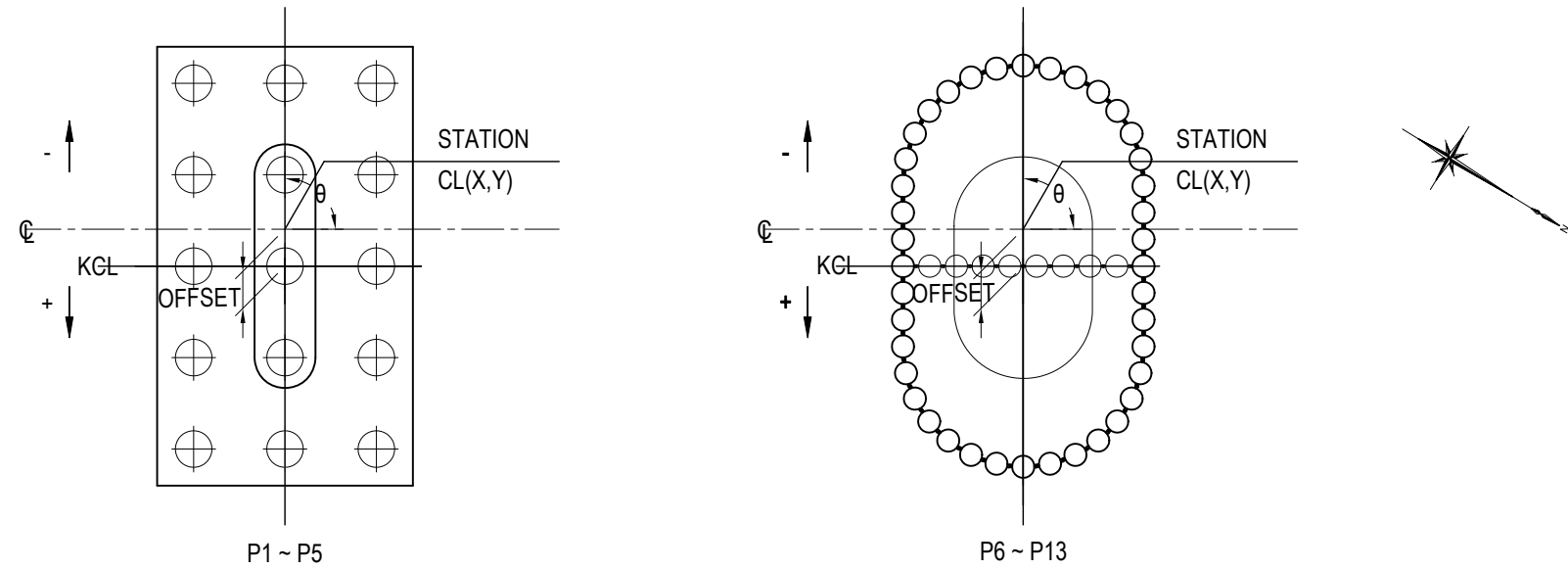
NOTES:

1 - THE CONTRACTOR SHALL MARK PAINTING RECORD TABLE AT GIRDER AND TOWER

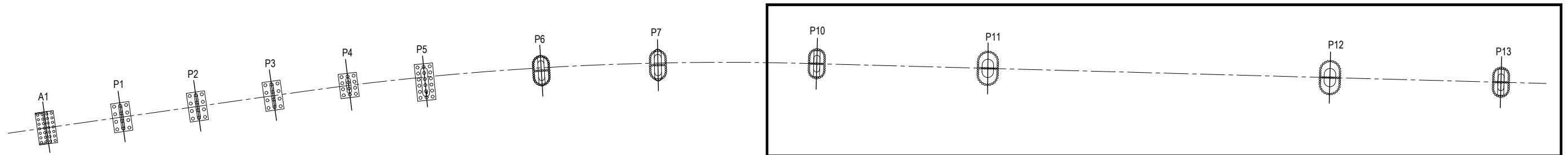
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PAINTING SYSTEM (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-1603

COORDINATES OF SUBSTRUCTURE (P10-P13)

NAME		A1	P1	P2	P3	P4	P5	P6	P7	P10	P11	P12	P13
STATION		0+357.000	0+407.000	0+457.000	0+507.000	0+557.000	0+607.000	0+683.500	0+760.000	0+864.000	0+976.000	1+200.000	1+312.000
CL	X	1857470.9529	1857509.4534	1857547.9538	1857586.4543	1857625.1499	1857664.5904	1857726.3888	1857789.8660	1857878.6819	1857975.6469	1858169.5771	1858266.5422
	Y	205539.2366	205507.3350	205475.4334	205443.5317	205411.8684	205381.1387	205336.0555	205293.3684	205239.2819	205183.2304	205071.1274	205015.0759
AZIMUTH		230d 21' 17.0"	230d 21' 17.0"	230d 21' 17.0"	230d 21' 17.0"	231d 21' 36.9"	232d 47' 33.6"	234d 59' 3.2"	237d 10' 32.8"	239d 58' 10.5"	239d 58' 10.5"	239d 58' 10.5"	239d 58' 10.5"
SKEW ANGLE (θ)		90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"	90d 00' 00"
OFFSET (m)		0.000	0.000	0.000	0.000	0.000	+4.000	+1.832	+0.538	0.000	0.000	0.000	0.000



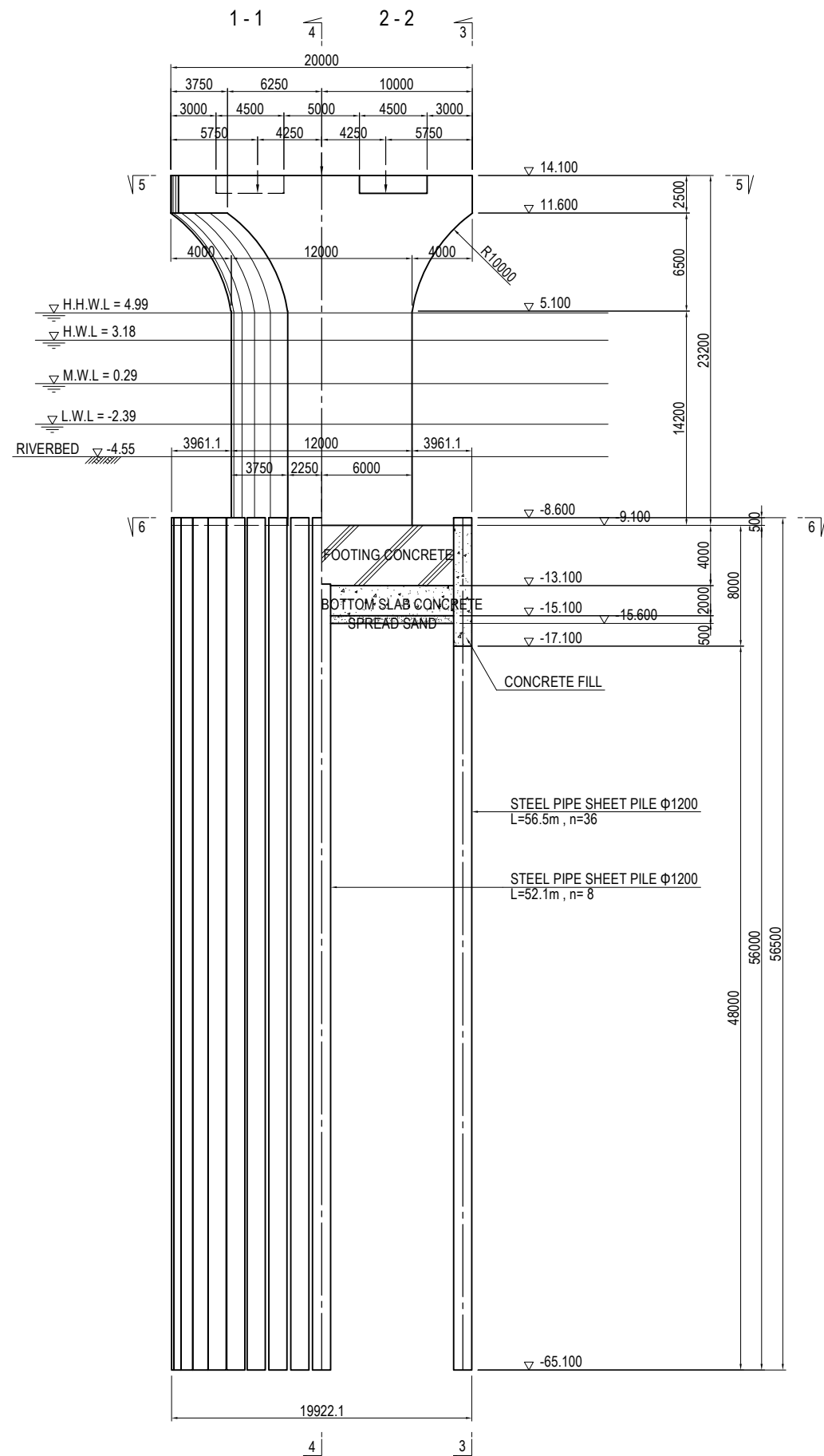
STEEL CABLE STAYED BRIDGE



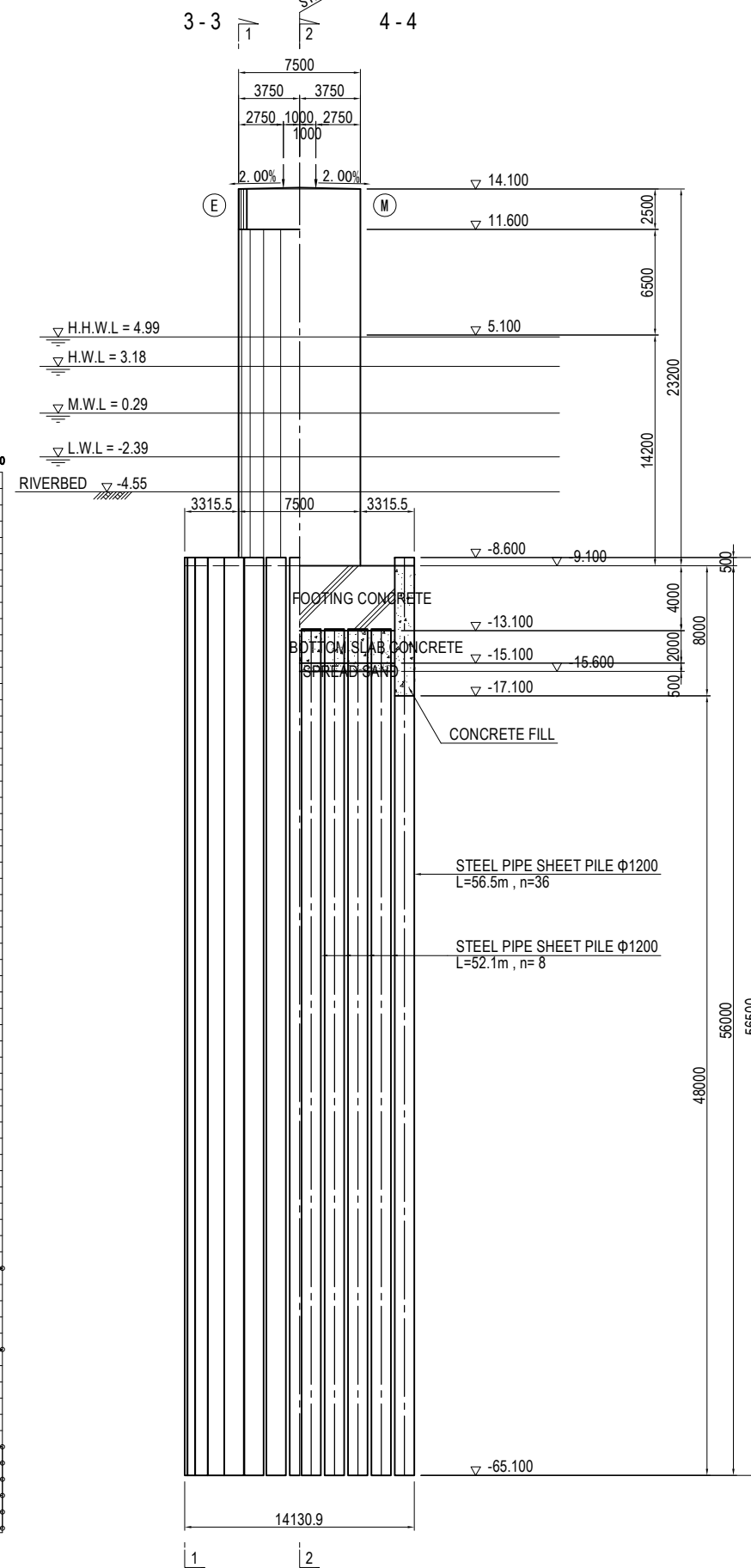
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;">NAME</td> <td style="width: 20%;">SIGNATURE</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 40%;">DRAWING TITLE</td> </tr> <tr> <td colspan="2" style="text-align: center;">COORDINATES OF SUBSTRUCTURE (P10-P13)</td> </tr> </table>		DRAWING TITLE	COORDINATES OF SUBSTRUCTURE (P10-P13)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;">PACKAGE</td> </tr> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-2000</td> </tr> </table>	PACKAGE	1	DWG No.	P1-CS-2000
	NAME	SIGNATURE	DATE																											
PREPARED BY	T. TOMODA																													
CHECKED BY	T. HAYAKAWA																													
APPROVED BY	Y. SANO																													
	DRAWING TITLE																													
COORDINATES OF SUBSTRUCTURE (P10-P13)																														
PACKAGE																														
1																														
DWG No.																														
P1-CS-2000																														

GENERAL ARRANGEMENT OF P10 PIER(1) S=1:400

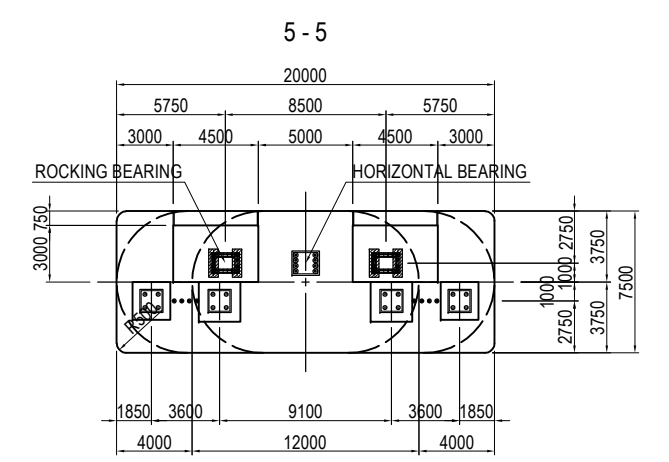
FRONT ELEVATION



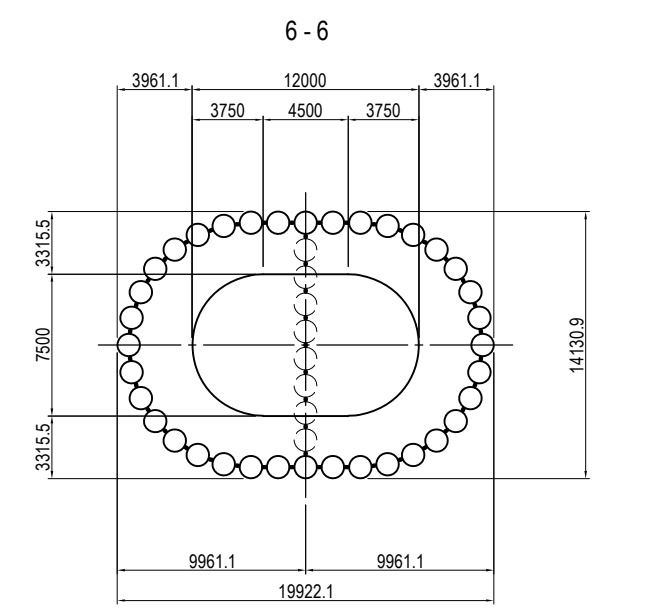
SIDE ELEVATION



PLAN



PLAN



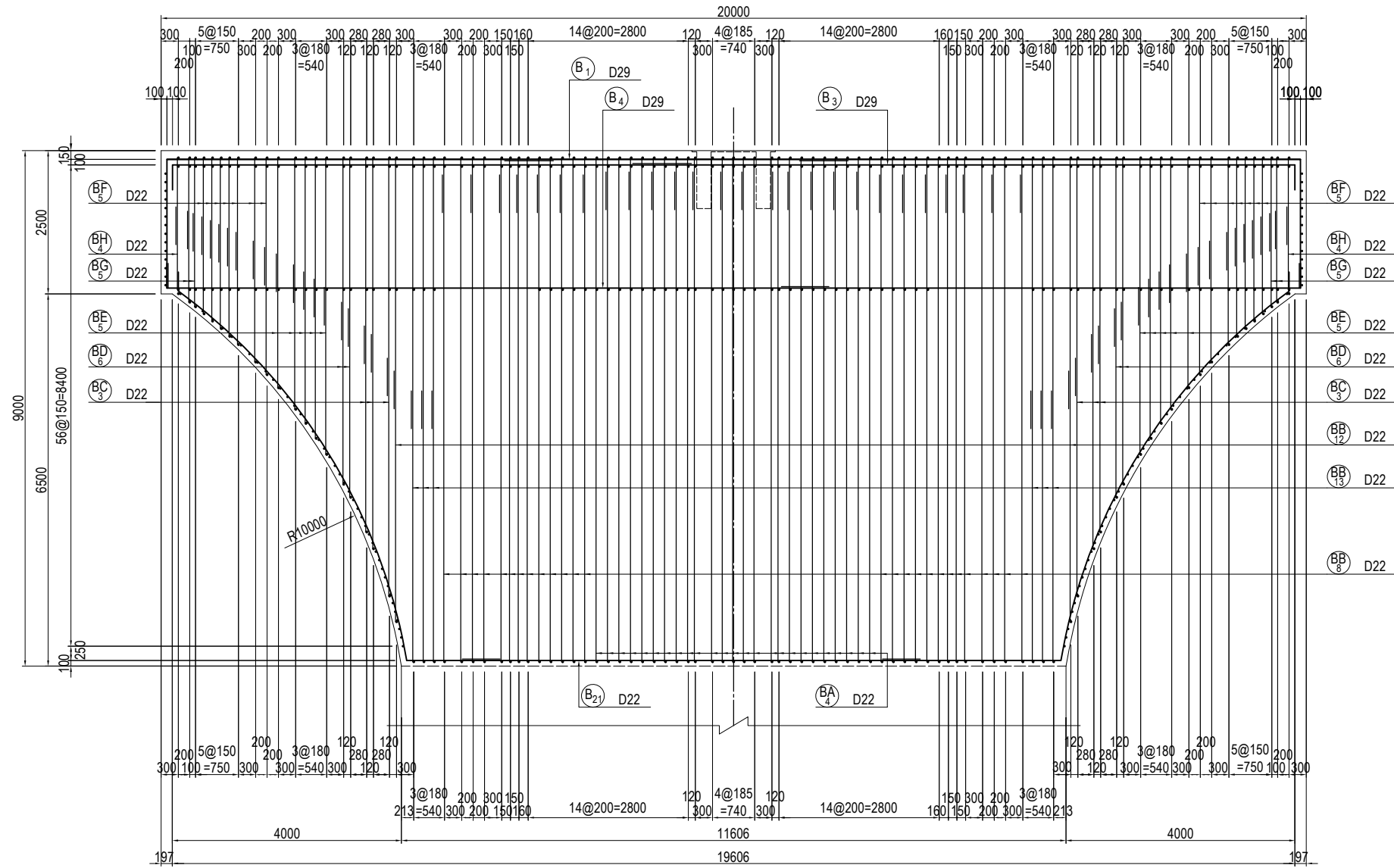
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

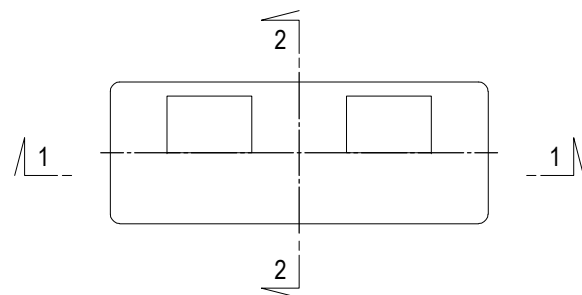
BAR ARRANGEMENT OF P10 PIER (1) S=1:100

BEAM

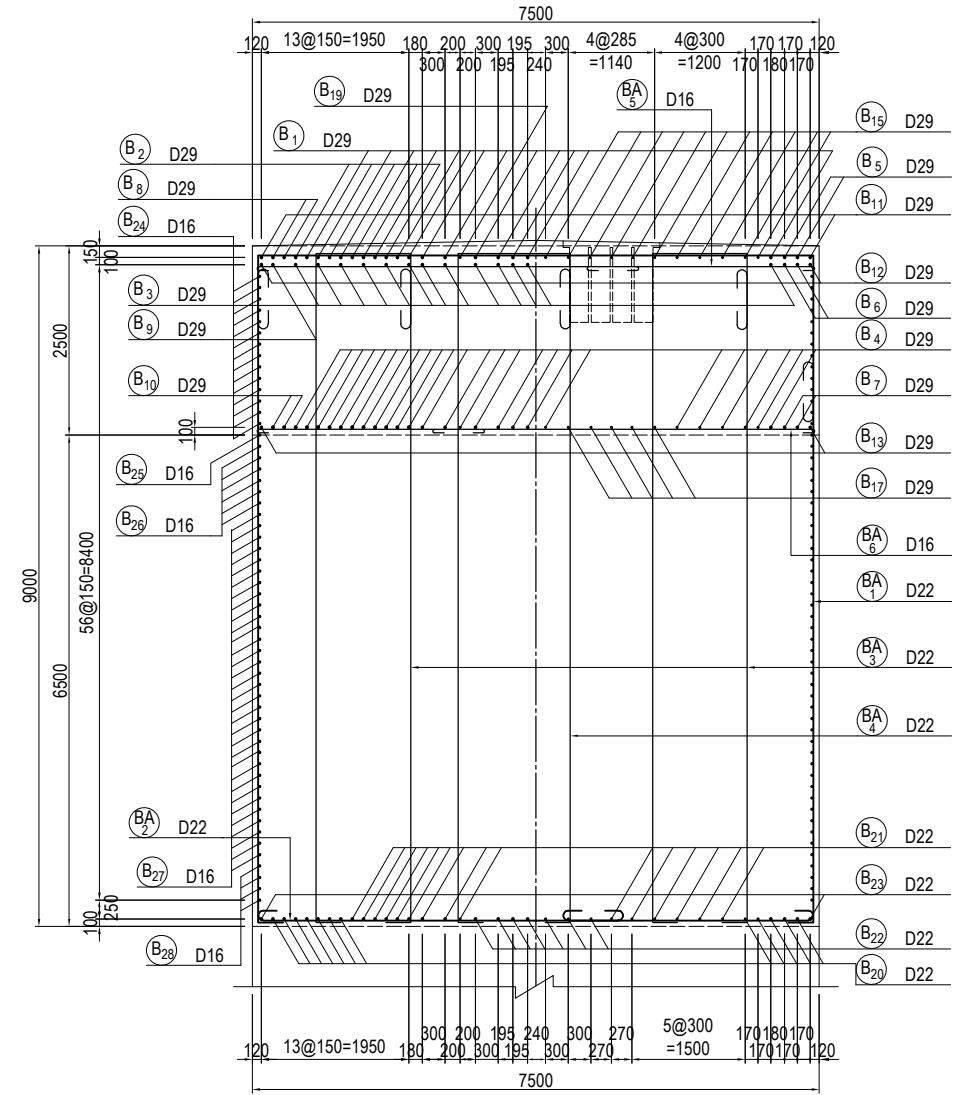
SECTION 1-1



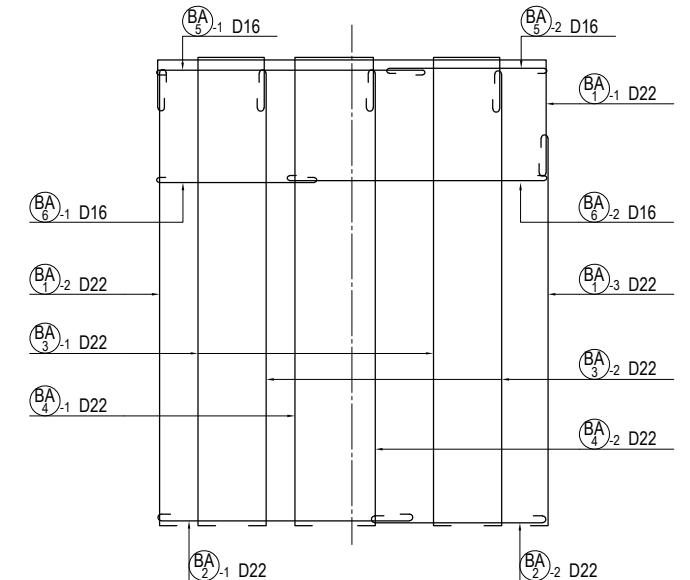
MARKING DIAGRAM



SECTION 2-2



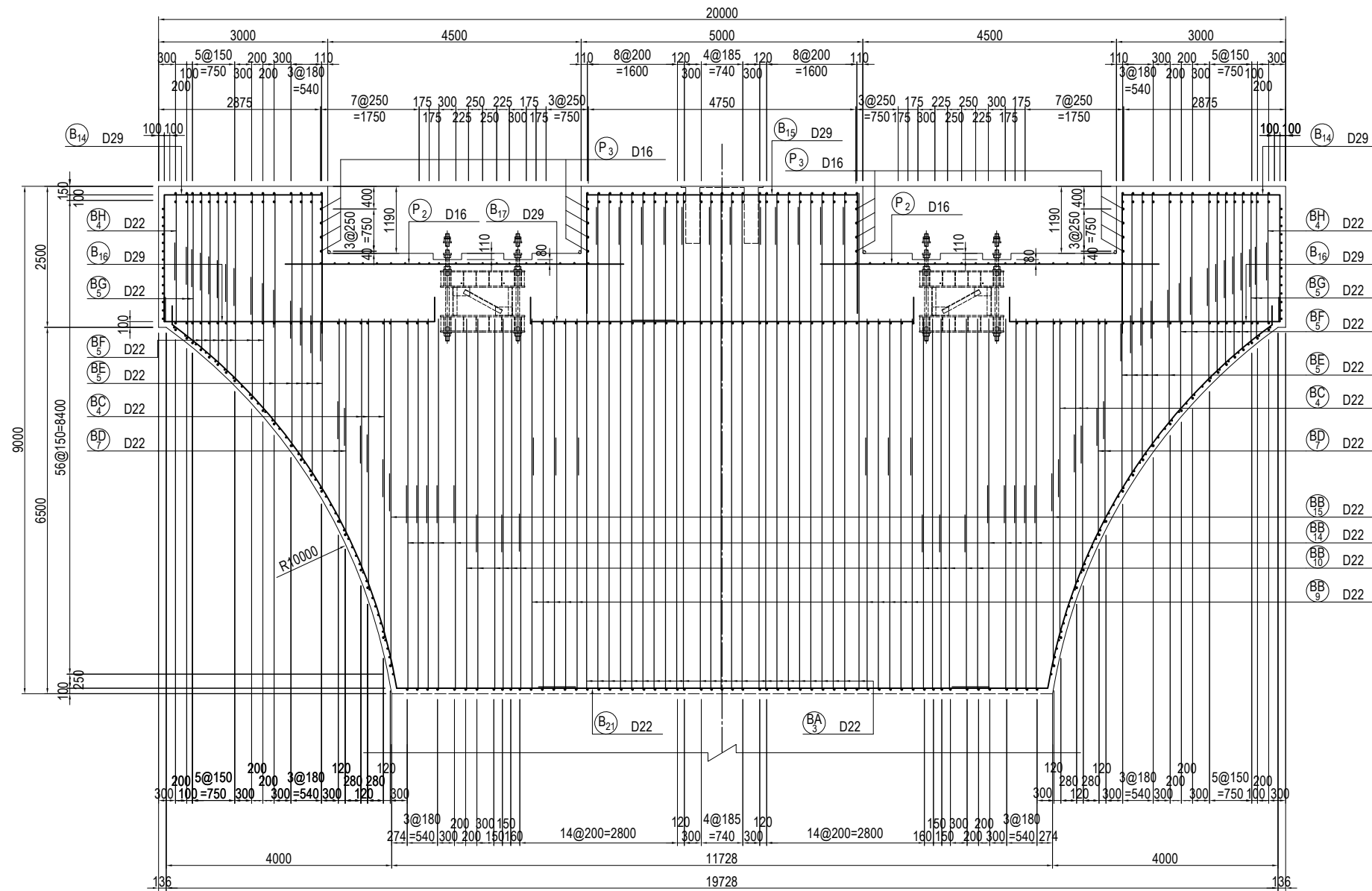
ASSEMBLY DRAWING OF STIRRUP



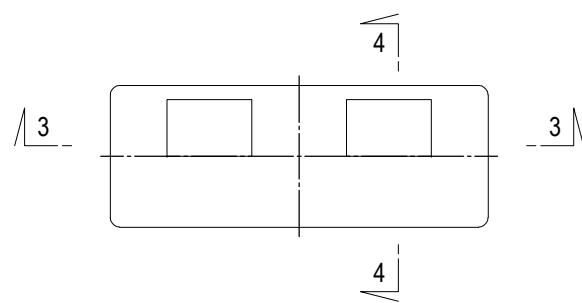
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<small>PREPARED BY</small> T. TOMODA	<small>SIGNATURE</small> _____	<small>DATE</small> _____	<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P10 PIER (1)	<small>PACKAGE</small> 1 DWG No. P1-CS-2003
<small>CHECKED BY</small> T. HAYAKAWA					<small>APPROVED BY</small> Y. SANO		<small>PACKAGE</small> 1 DWG No. P1-CS-2003	

BAR ARRANGEMENT OF P10 PIER (2) S=1:100

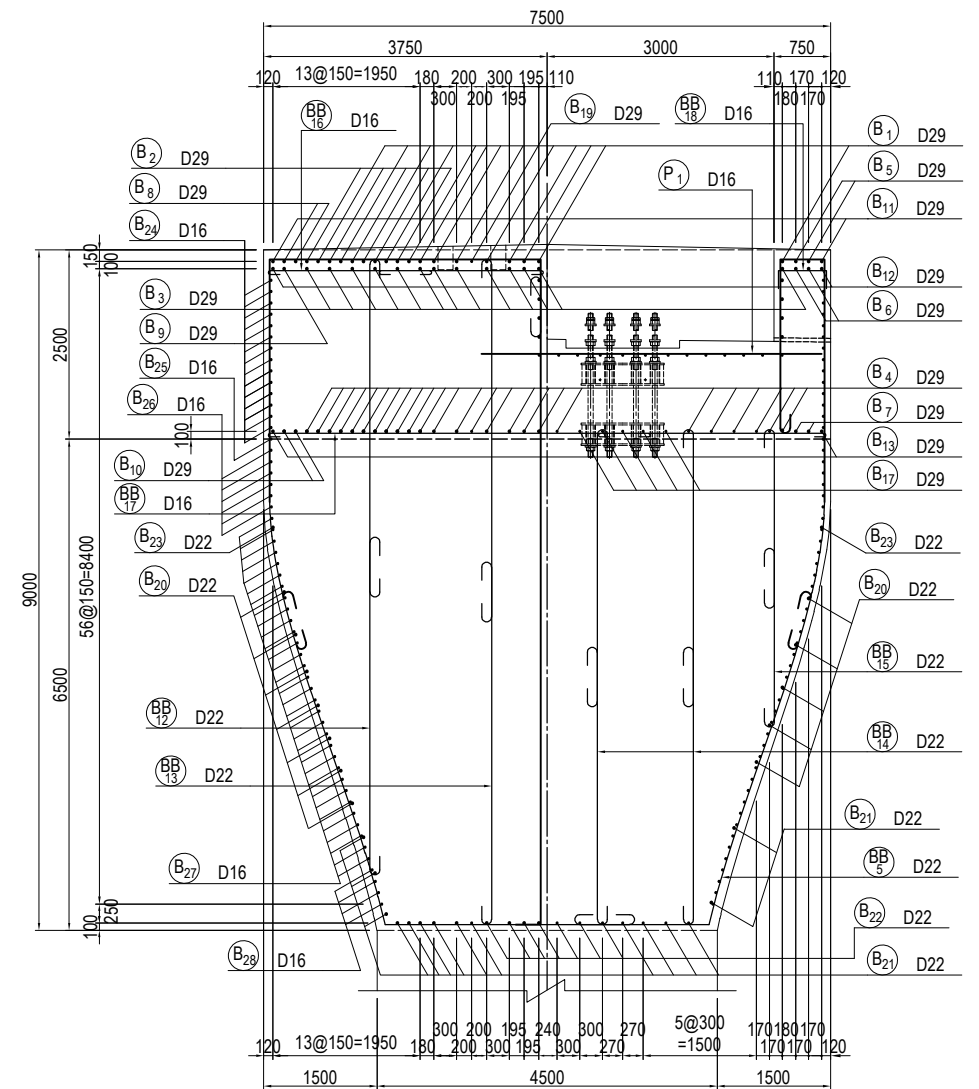
SECTION 3 - 3 BEAM



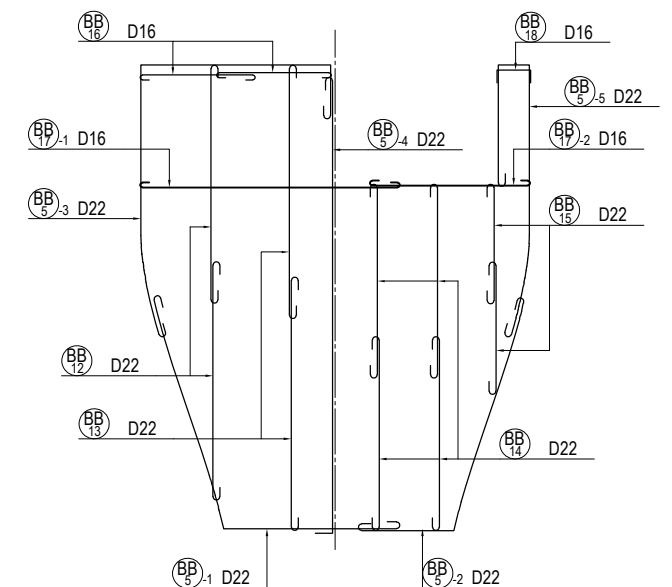
MARKING DIAGRAM



SECTION 4 - 4



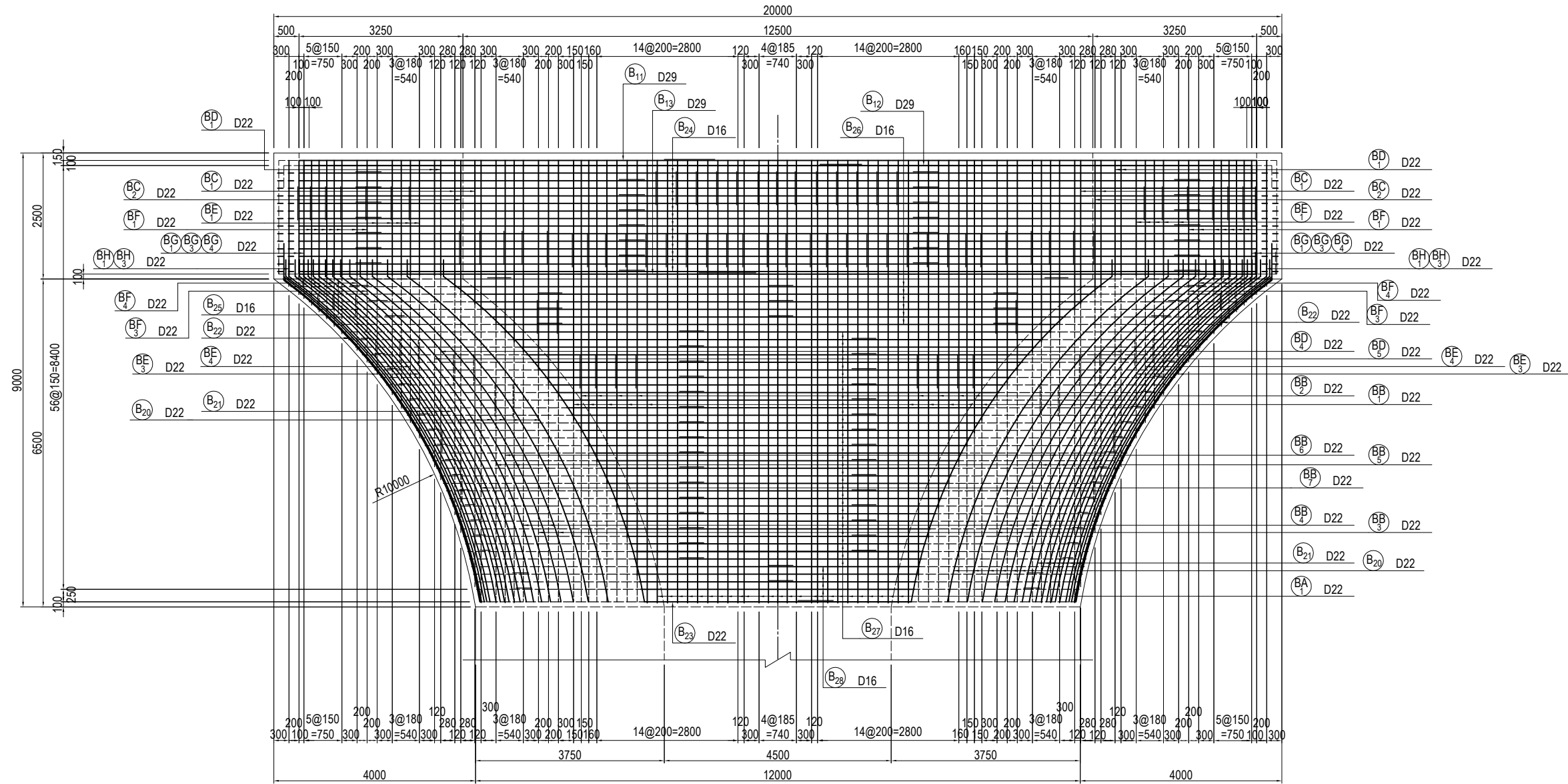
ASSEMBLY DRAWING OF STIRRUP



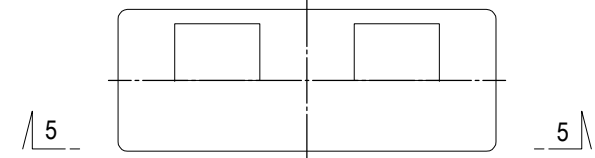
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P10 PIER (2)</h3>	PACKAGE 1 DWG No. P1-CS-2004
---	--	---	--	---	-----------------------	------------------	---	---------------------------------------

BAR ARRANGEMENT OF P10 PIER (3) S=1:100

BEAM FRONT ELEVATION 5 - 5



MARKING DIAGRAM



USE MATERIALS

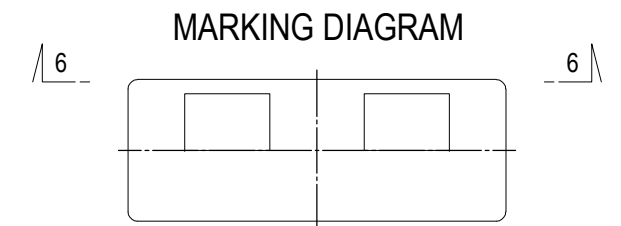
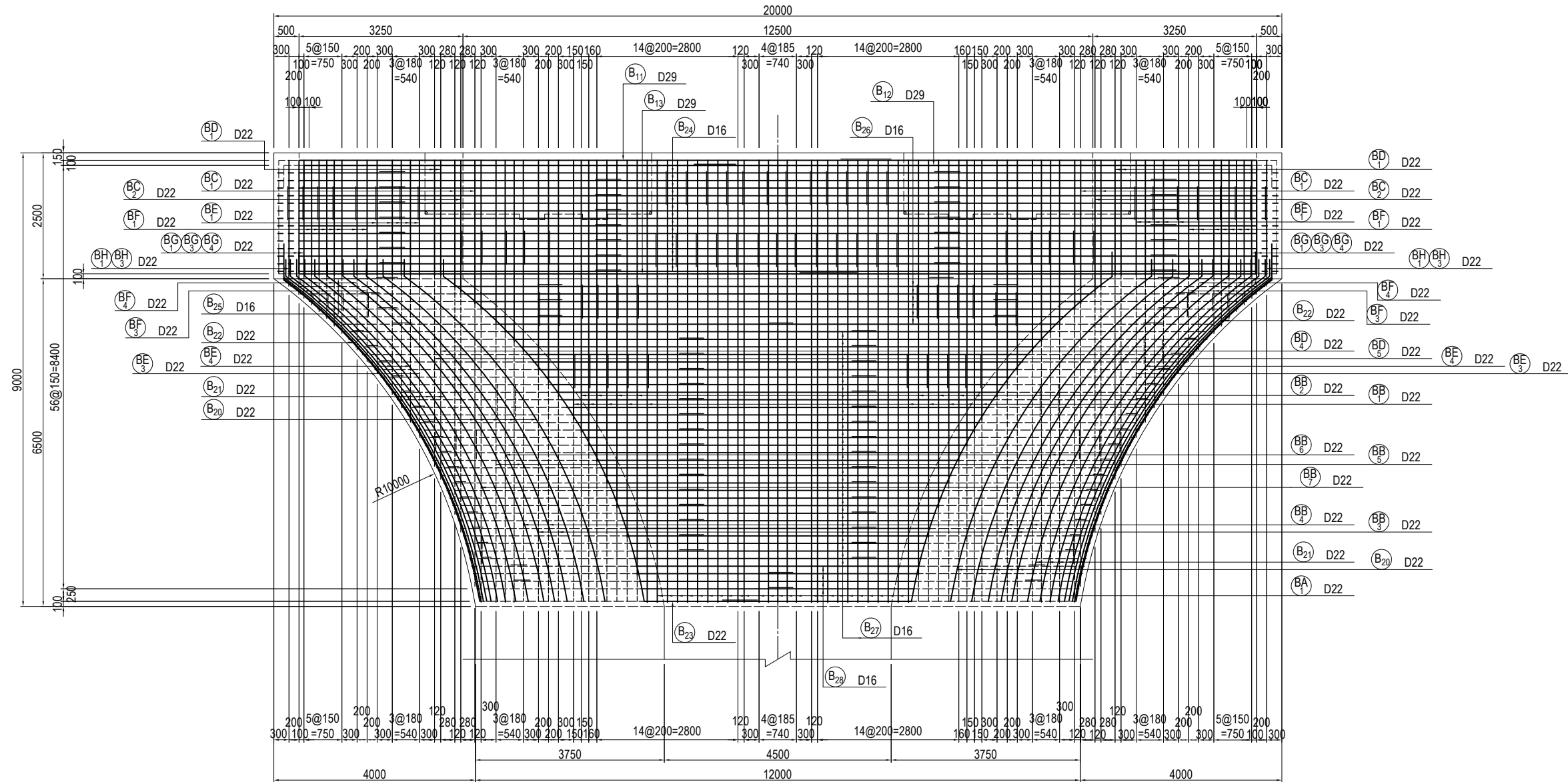
	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P10 PIER (4) S=1:100

BEAM

FRONT ELEVATION

6 - 6



USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

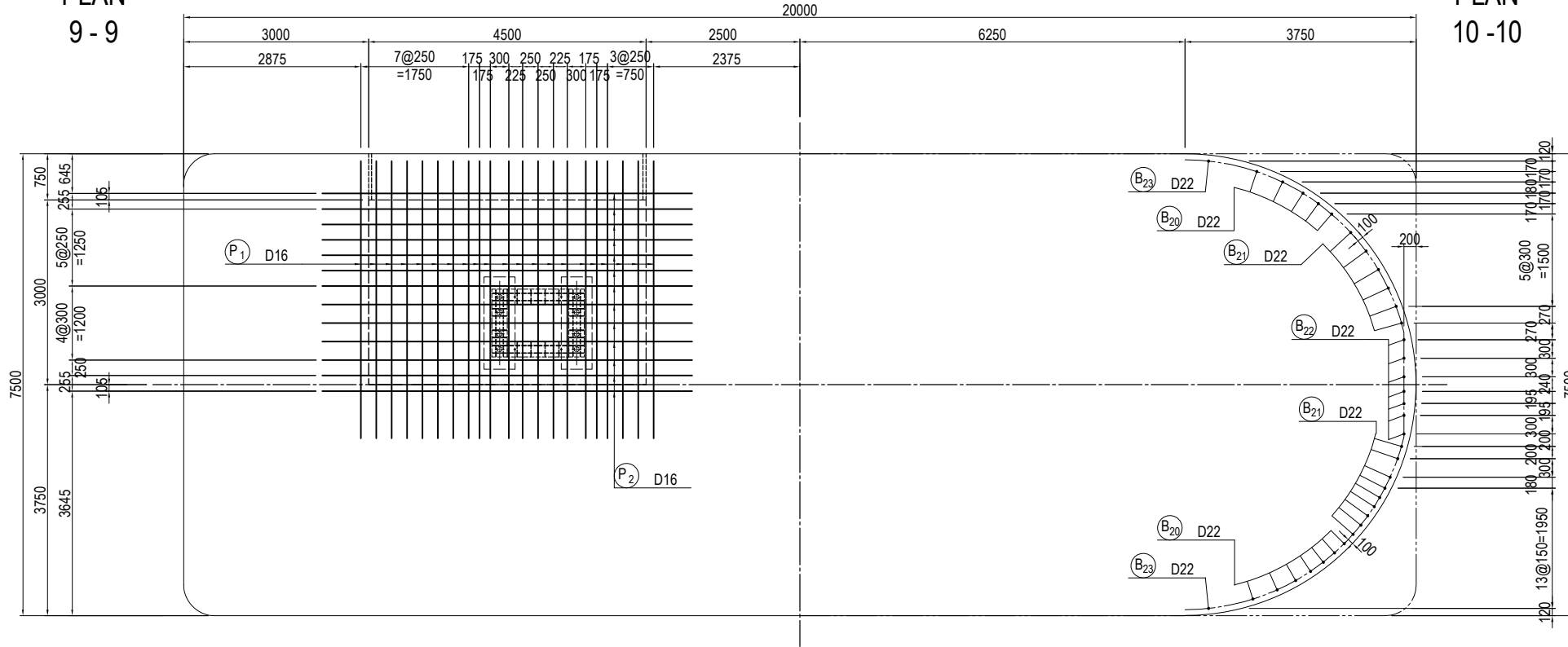
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE	PACKAGE
BAR ARRANGEMENT OF P10 PIER (4)	1
	DWG No.
	P1-CS-2006

BAR ARRANGEMENT OF P10 PIER (6) S=1:100

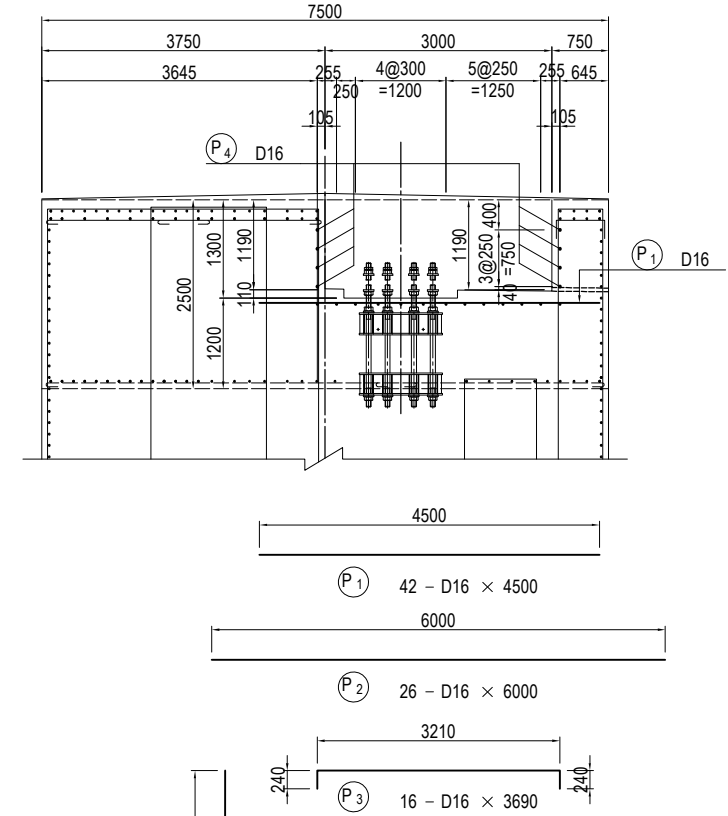
BEAM

PLAN
9 - 9

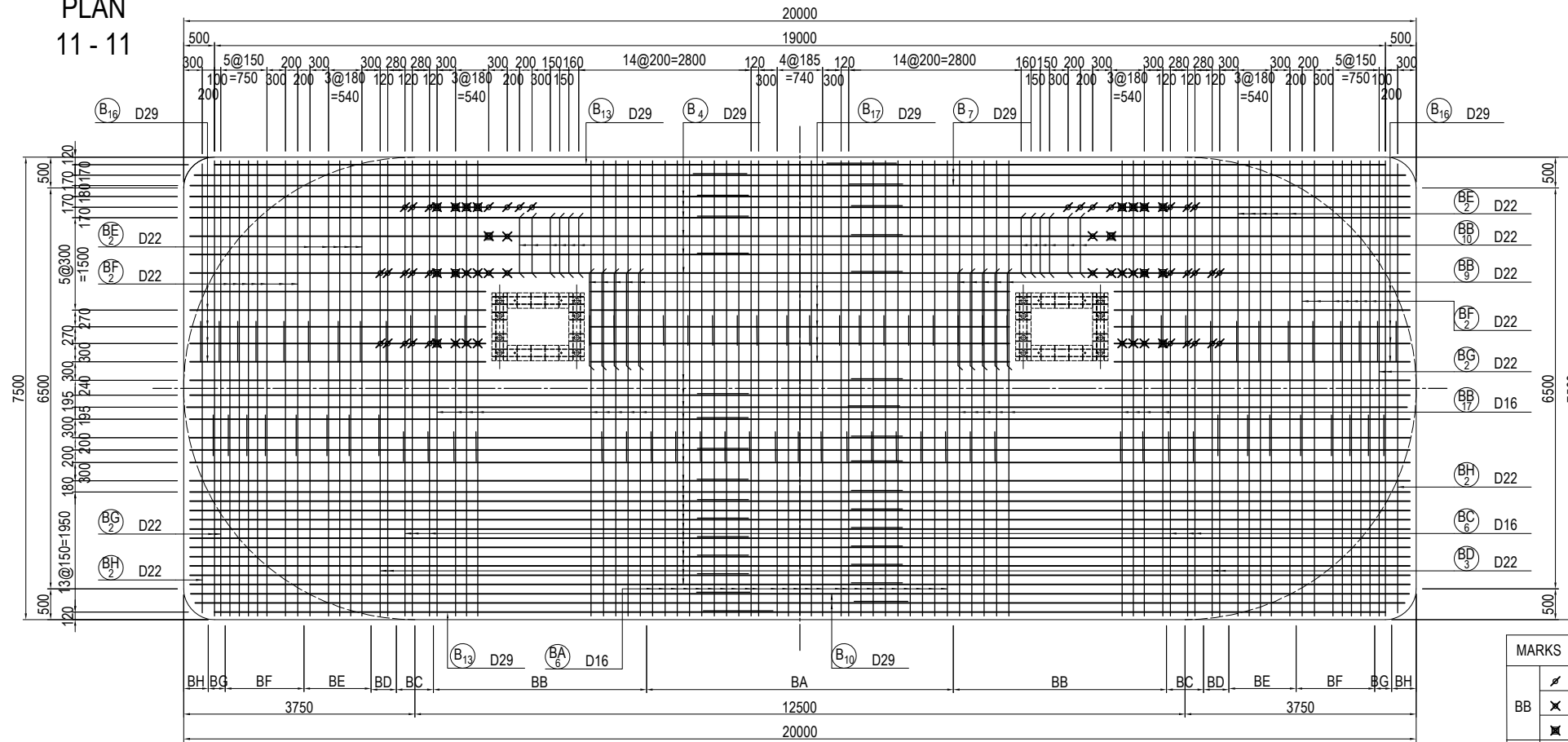


PLAN
10 - 10

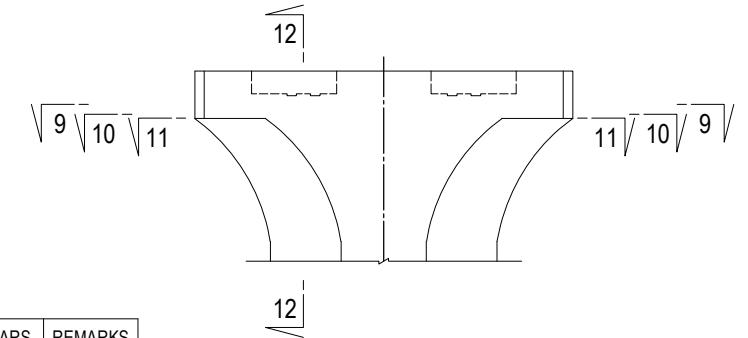
SECTION
12 - 12



PLAN
11 - 11



MARKING DIAGRAM



USE MATERIALS

BEAM • COLUMN	CONCRETE	BAR
	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

MARKS	DIA.	NOS. OF BARS	REMARKS
BB	D22	8 x 2 = 16	(BB ₁)
BB	"	16 x 2 = 32	(BB ₂)
BB	"	16 x 2 = 32	(BB ₃)
BC	"	18 x 2 = 36	(BC ₄)
BD	"	8 x 2 = 16	(BD ₇)

BAR ARRANGEMENT OF P10 PIER (9) S=1:100 BEAM

BAR ARRANGEMENT OF BEARING BASE

< LSL , (RSR) >

< LSR , RSL >

< CL >

SECTION

SECTION

SECTION

A - A

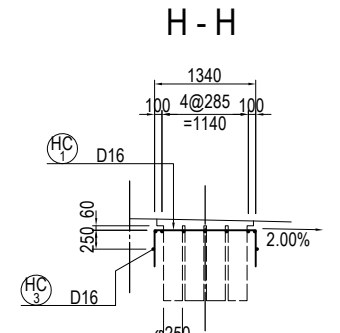
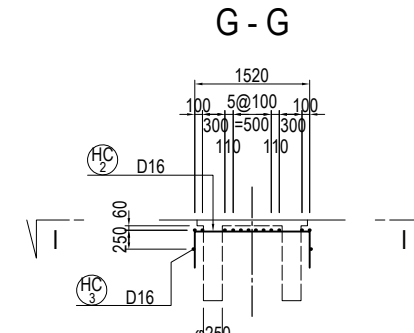
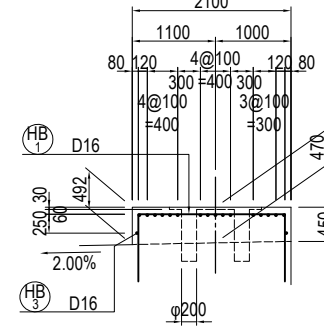
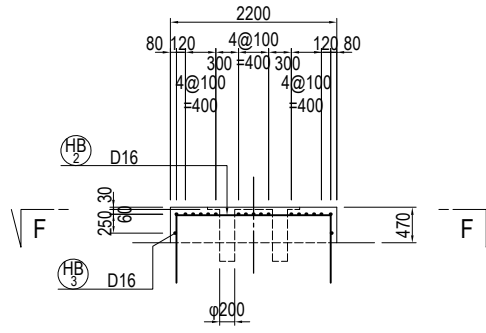
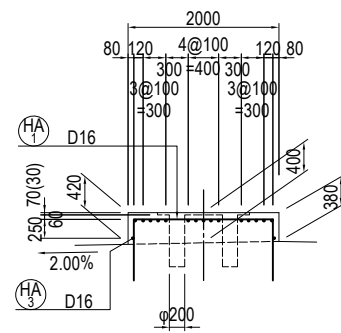
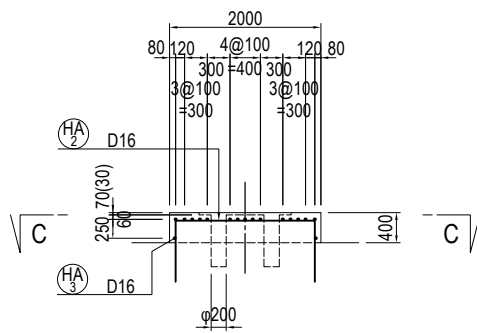
B - B

D - D

E - E

G - G

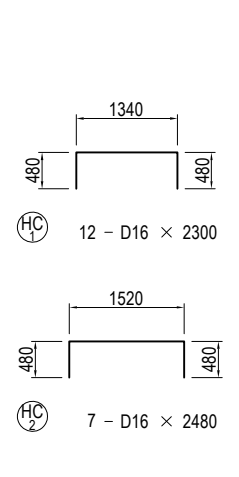
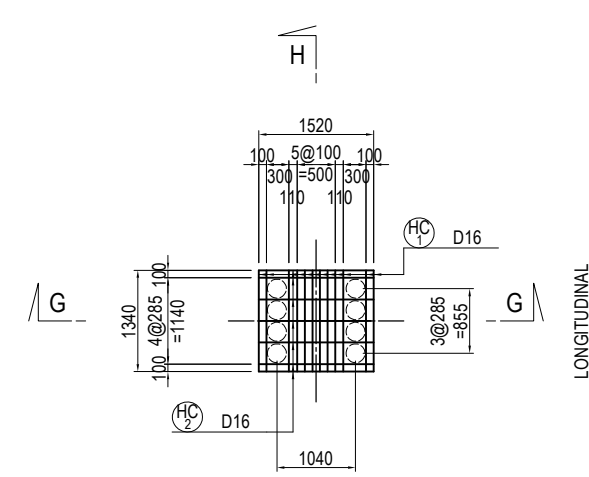
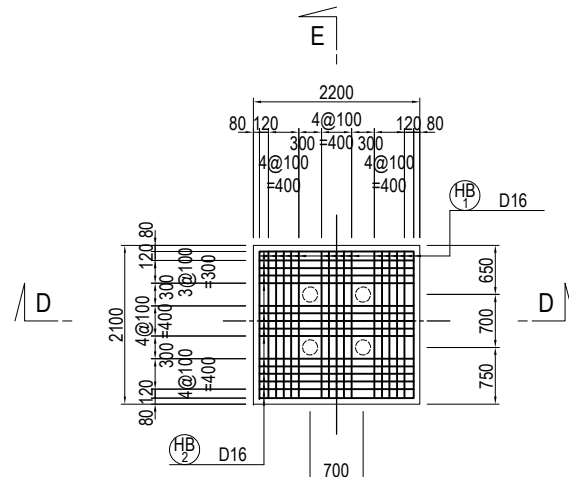
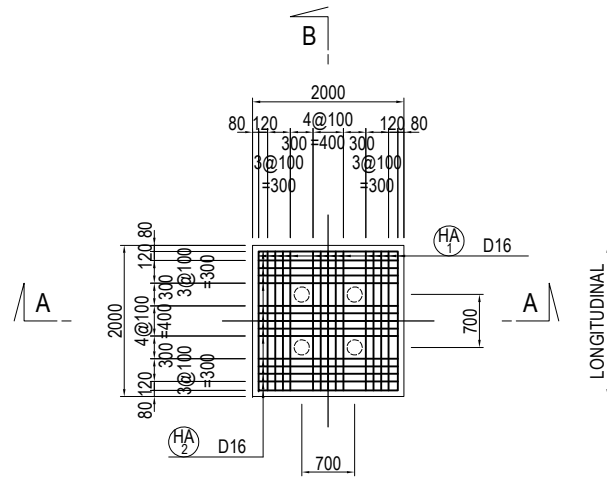
H - H



PLAN
C - C

PLAN
F - F

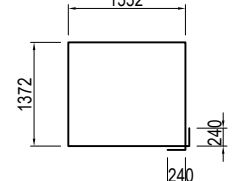
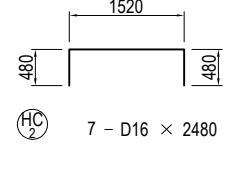
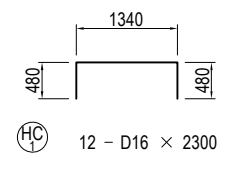
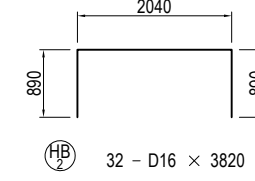
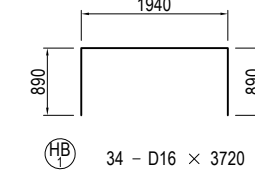
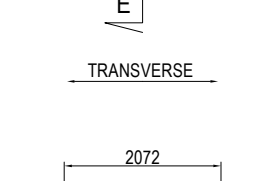
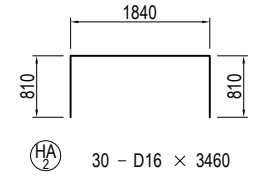
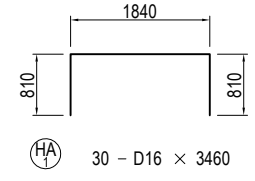
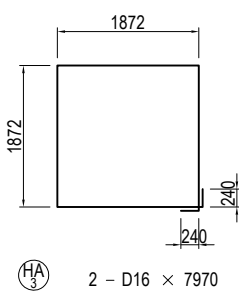
PLAN
I - I



TRANSVERSE

TRANSVERSE

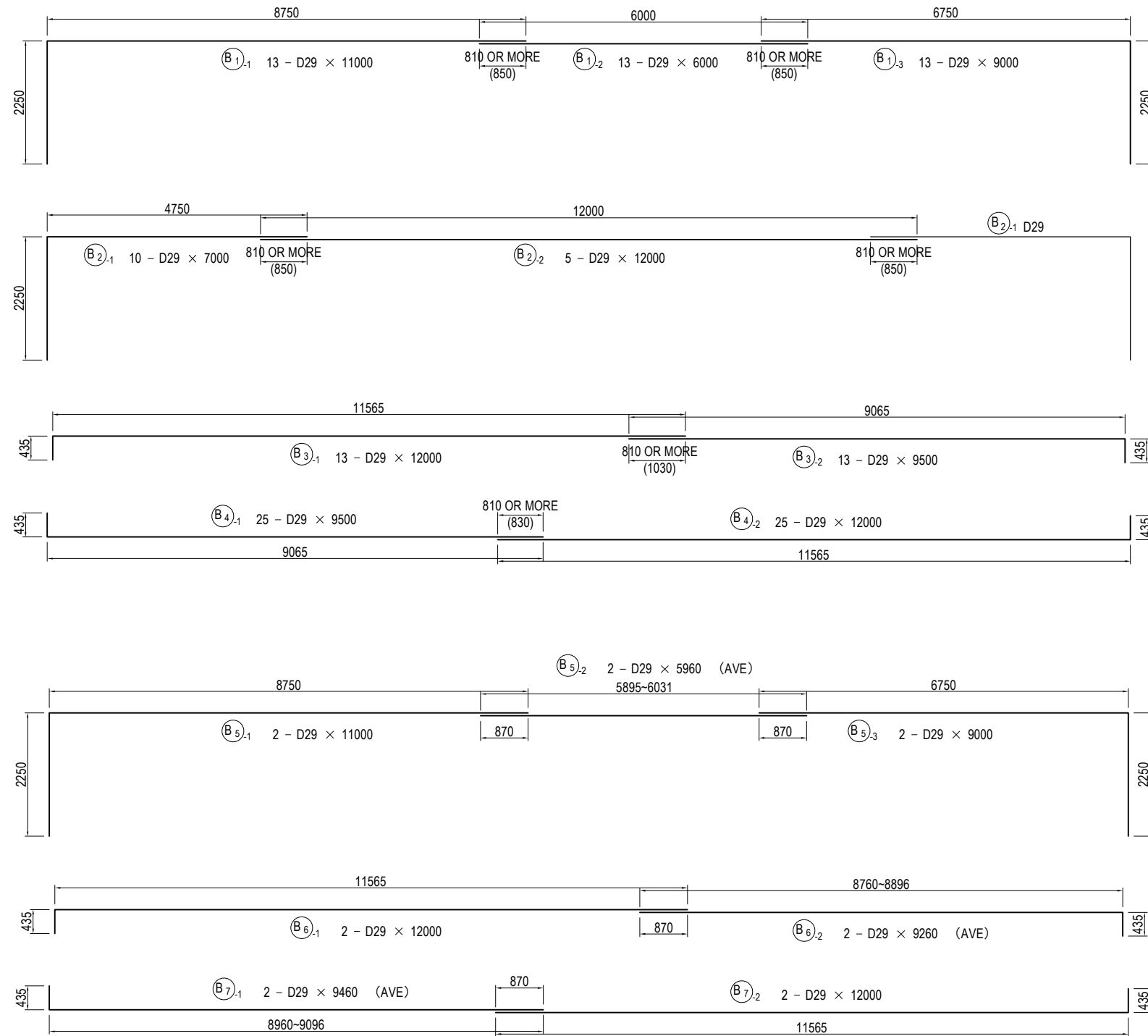
TRANSVERSE



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P10 PIER (10) S=1:100 BEAM

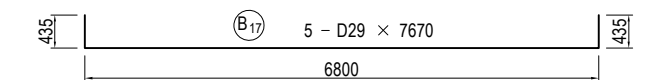
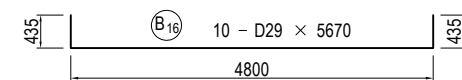
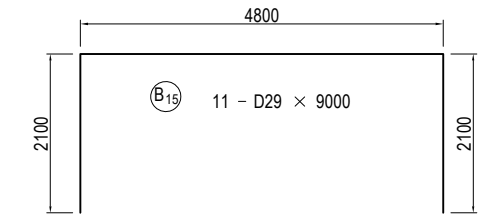
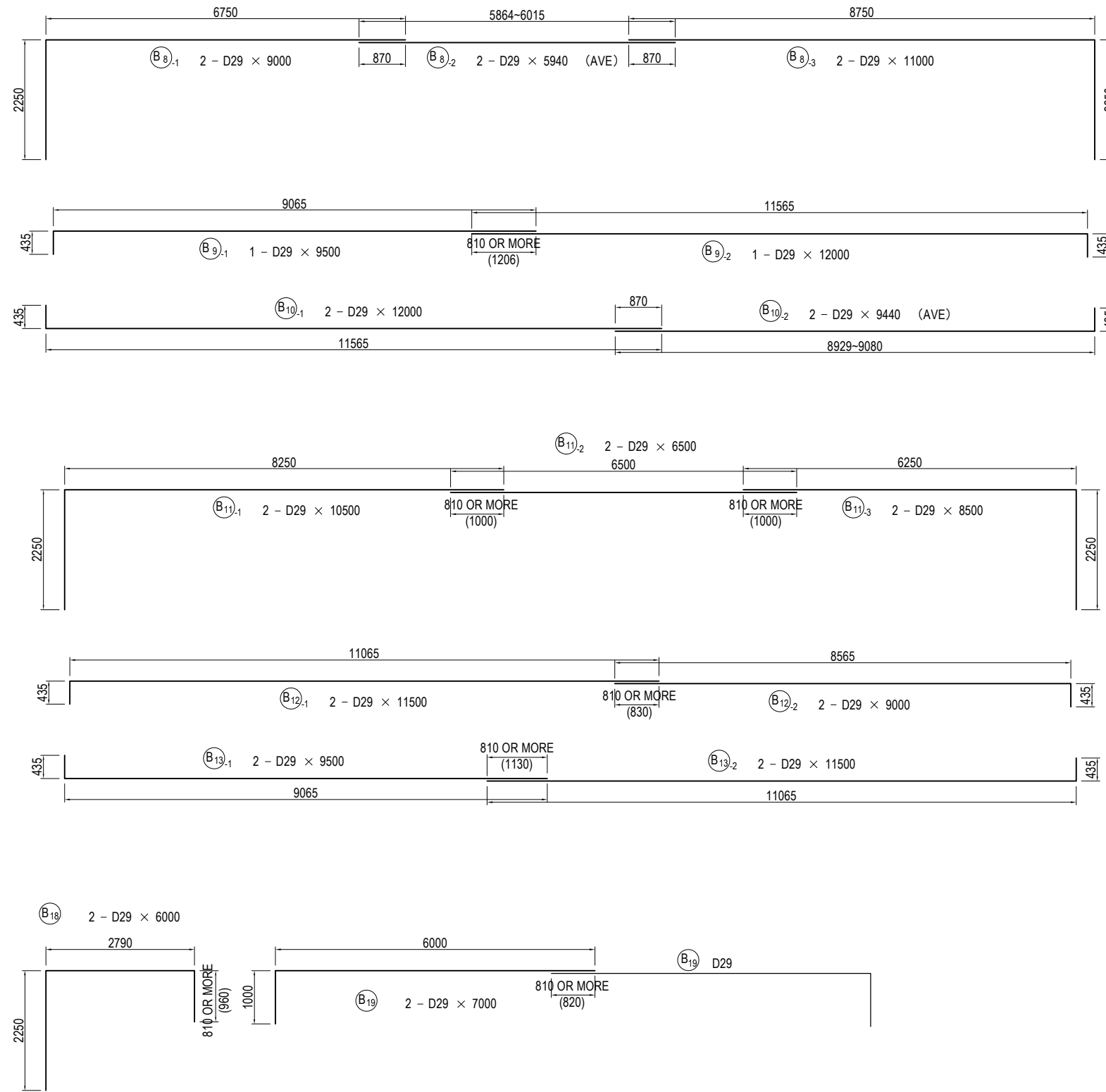


USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			BAR ARRANGEMENT OF P10 PIER (10)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-2012

BAR ARRANGEMENT OF P10 PIER (11) S=1:100 BEAM

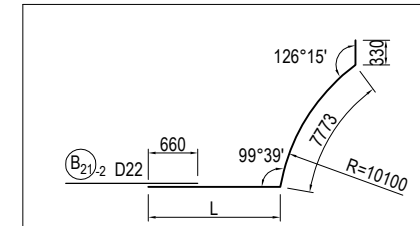
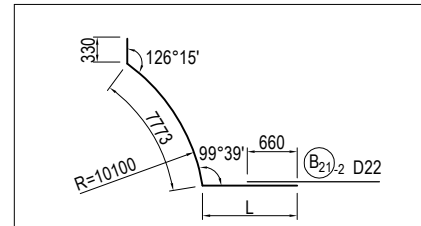
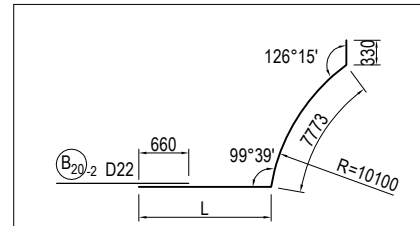
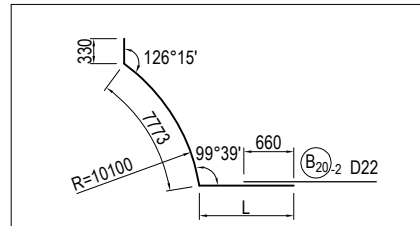
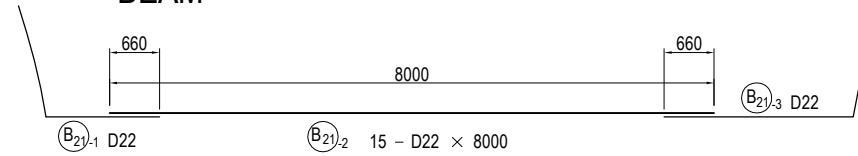
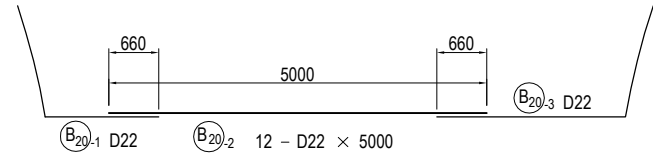


USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM 	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (11)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2013

BAR ARRANGEMENT OF P10 PIER (12) S=1:100 BEAM

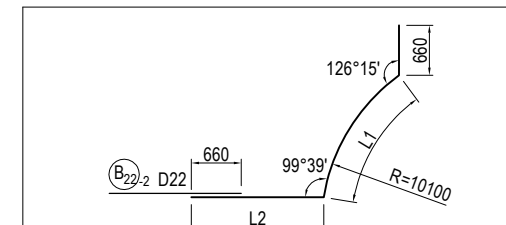
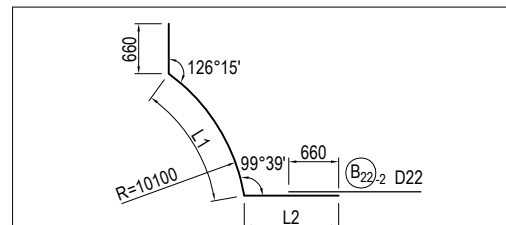
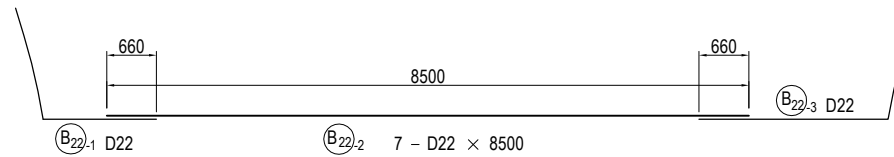
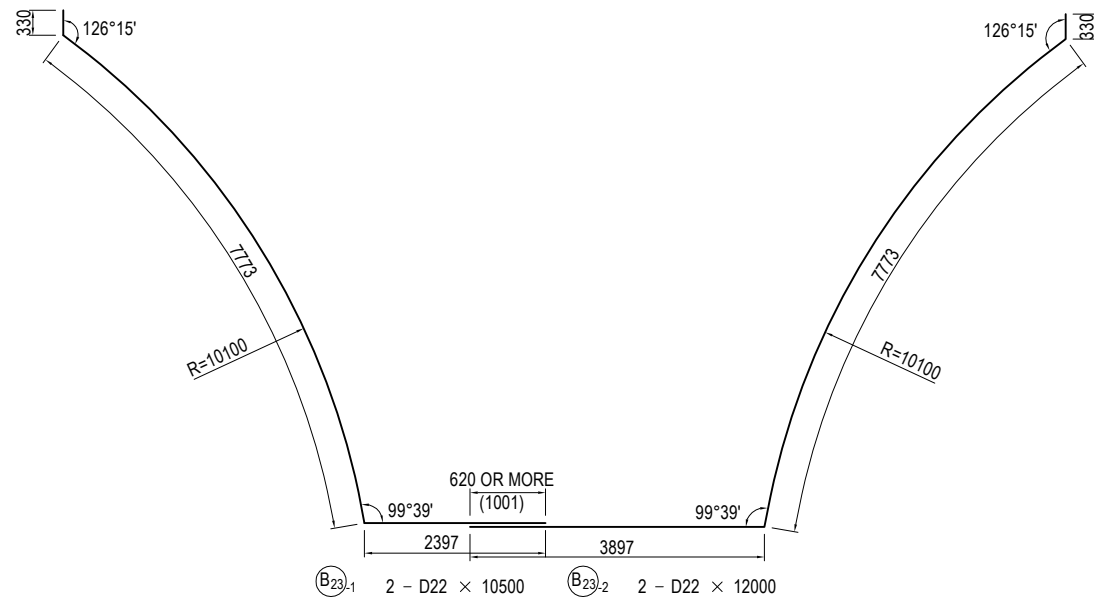


MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B20-1 1	D22	1	948	9051
2	"	1	1366	9469
3	"	1	1696	9799
4	"	1	1948	10051
5	"	1	2162	10265
6	"	1	2367	10470
7	"	1	2208	10311
8	"	1	2028	10131
9	"	1	1820	9923
10	"	1	1577	9680
11	"	1	1280	9383
12	"	1	886	8989
AVE		12	1691	9794

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B20-3 1	D22	1	2228	10331
2	"	1	2646	10749
3	"	1	2976	11079
4	"	1	3228	11331
5	"	1	3442	11545
6	"	1	3647	11750
7	"	1	3488	11591
8	"	1	3308	11411
9	"	1	3100	11203
10	"	1	2857	10960
11	"	1	2560	10663
12	"	1	2166	10269
AVE		12	2971	11074

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B21-1 1	D22	1	873	8976
2	"	1	1120	9223
3	"	1	1320	9423
4	"	1	1480	9583
5	"	1	1607	9710
6	"	2	1695	9798
7	"	1	1632	9735
8	"	1	1513	9616
9	"	1	1426	9529
10	"	1	1343	9446
11	"	1	1252	9355
12	"	1	1149	9252
13	"	1	1035	9138
14	"	1	908	9011
AVE		15	1337	9440

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B21-3 1	D22	1	2353	10456
2	"	1	2600	10703
3	"	1	2800	10903
4	"	1	2960	11063
5	"	1	3087	11190
6	"	2	3176	11279
7	"	1	3112	11215
8	"	1	2993	11096
9	"	1	2906	11009
10	"	1	2823	10926
11	"	1	2732	10835
12	"	1	2629	10732
13	"	1	2515	10618
14	"	1	2388	10491
AVE		15	2817	10920



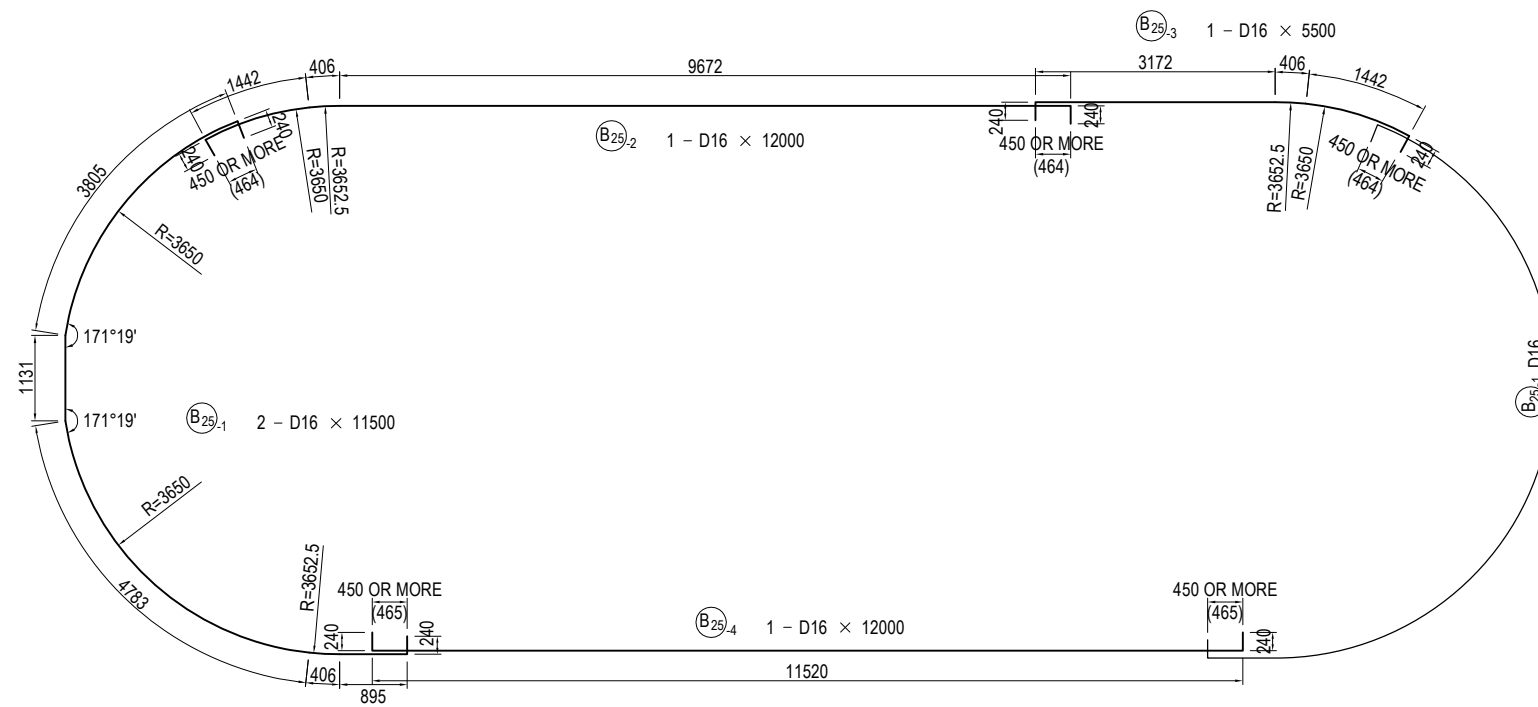
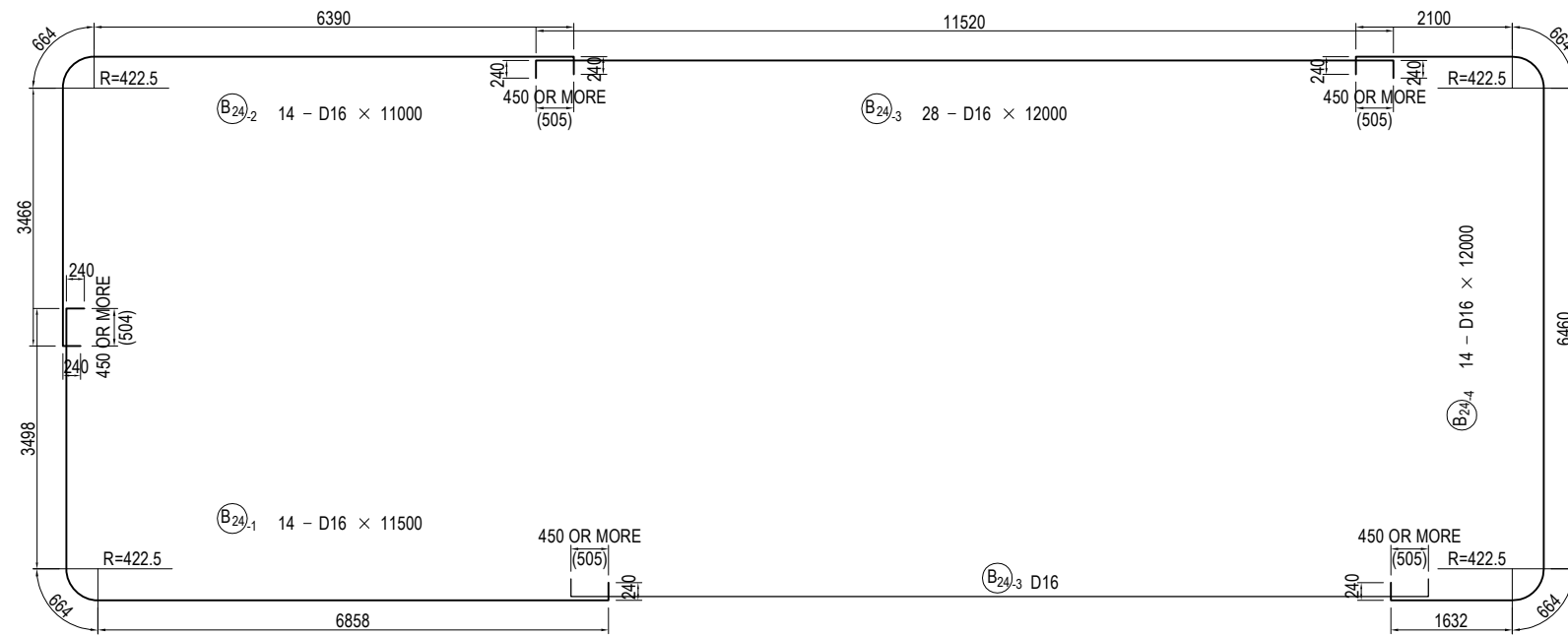
MARKS	DIA.	NOS. OF BARS	LENGTH L1	LENGTH L2	TOTAL LENGTH ΣL
B22-1 1	D22	1	7740	1461	9861
2	"	1	7680	1510	9850
3	"	1	7651	1533	9844
4	"	1	7650	1534	9844
5	"	1	7664	1522	9846
6	"	1	7691	1501	9852
7	"	1	7759	1446	9865
AVE		7	7691	1501	9852

MARKS	DIA.	NOS. OF BARS	LENGTH L1	LENGTH L2	TOTAL LENGTH ΣL
B22-3 1	D22	1	7740	3041	11441
2	"	1	7680	3090	11430
3	"	1	7651	3113	11424
4	"	1	7650	3114	11424
5	"	1	7664	3102	11426
6	"	1	7691	3081	11432
7	"	1	7759	3026	11445
AVE		7	7691	3081	11432

USE MATERIALS

BEAM-COLUMN	CONCRETE	BAR
	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P10 PIER (13) S=1:100 BEAM



USE MATERIALS

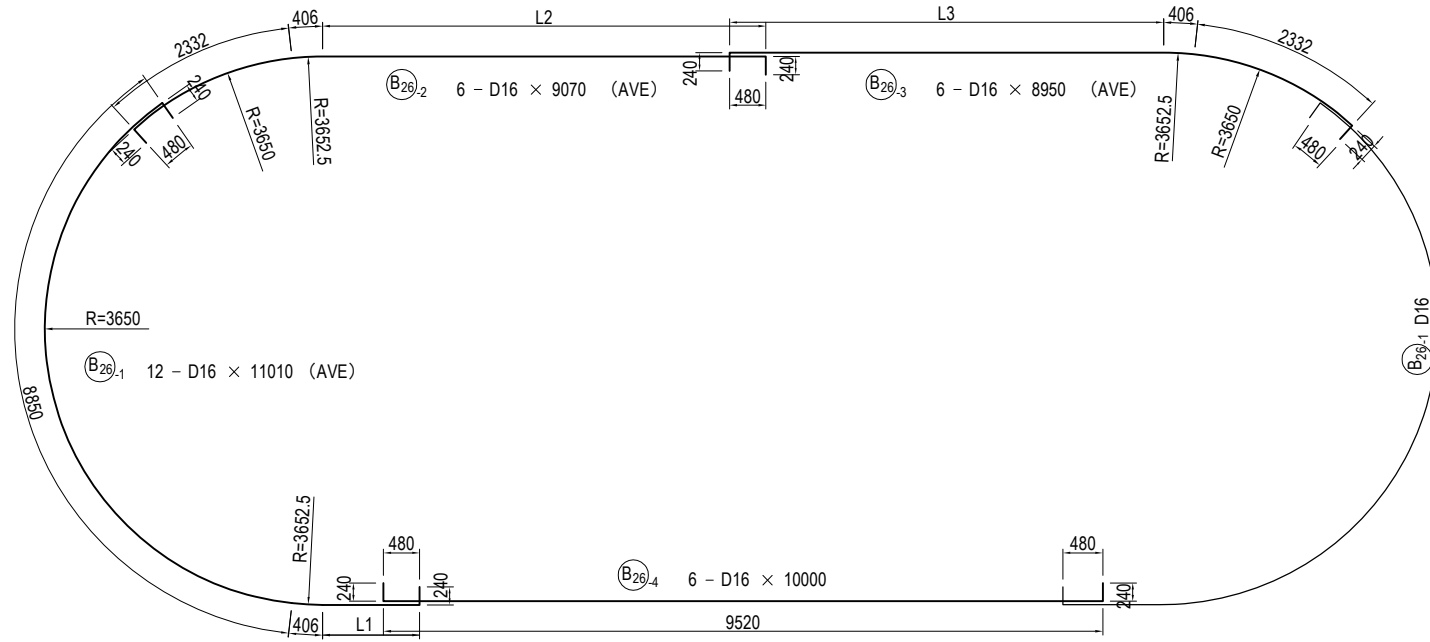
	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (13)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2015

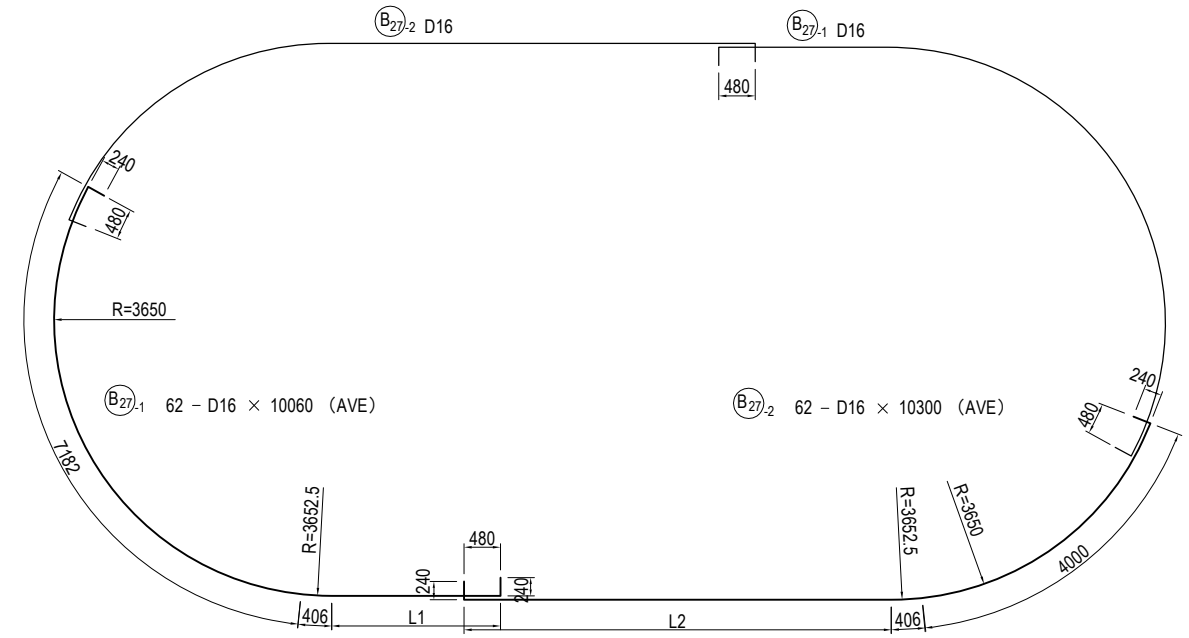
BAR ARRANGEMENT OF P10 PIER (14) S=1:100 BEAM

MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL	
B26-2	1	D16	1	6293	9511
2	"	1	6106	9324	
3	"	1	5927	9145	
4	"	1	5756	8974	
5	"	1	5593	8811	
6	"	1	5437	8655	
AVE		6	5852	9070	

MARKS	DIA.	NOS. OF BARS	LENGTH L3	TOTAL LENGTH ΣL	
B26-3	1	D16	1	6173	9391
2	"	1	5986	9204	
3	"	1	5807	9025	
4	"	1	5636	8854	
5	"	1	5473	8691	
6	"	1	5317	8535	
AVE		6	5732	8950	



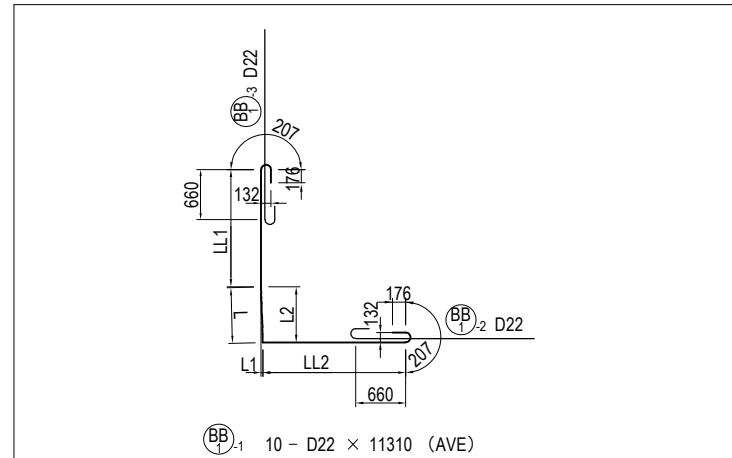
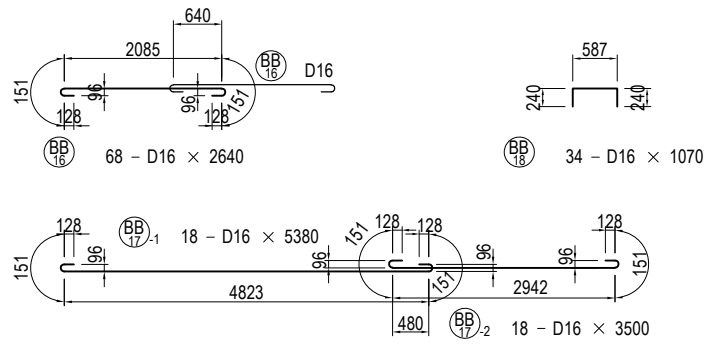
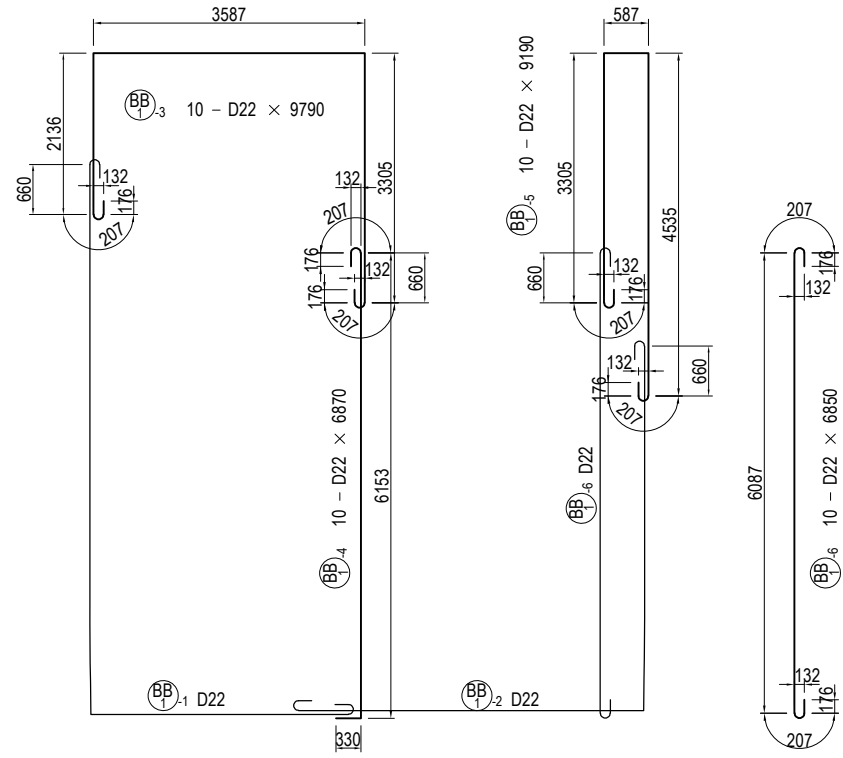
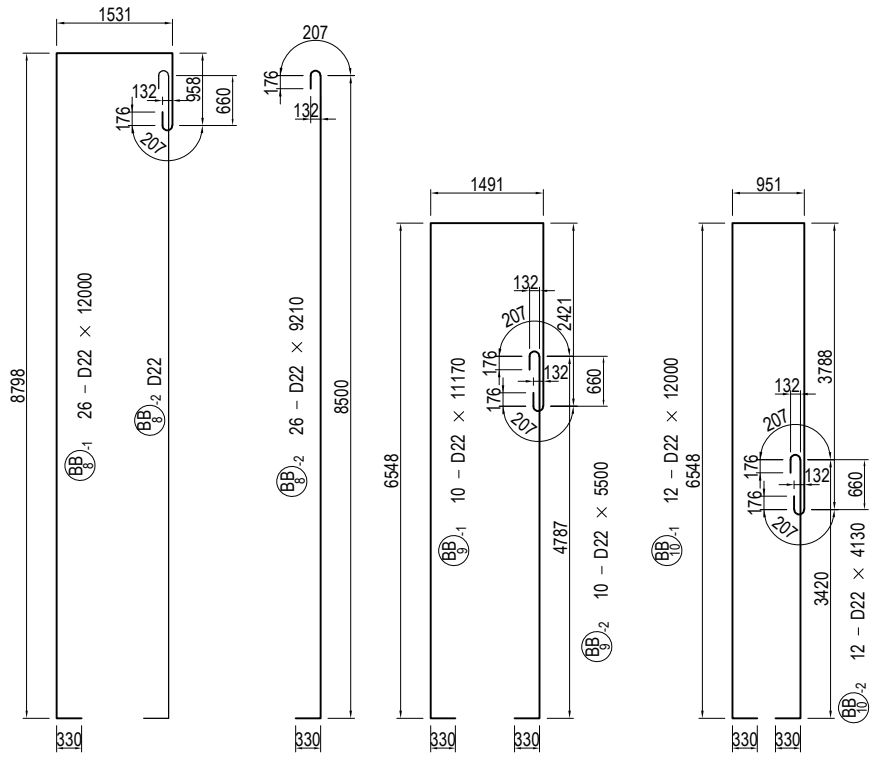
MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	
B26-1	1	D16	2	1713	11449
2	"	2	1526	11262	
3	"	2	1347	11083	
4	"	2	1176	10912	
5	"	2	1013	10749	
6	"	2	857	10593	
AVE		12	1272	11008	



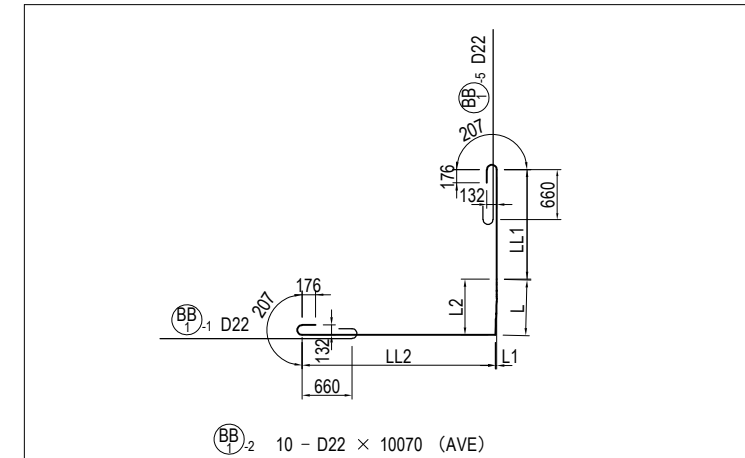
MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	
B27-1	1	D16	2	3518	11586
2	"	2	3374	11442	
3	"	2	3236	11304	
4	"	2	3104	11172	
5	"	2	2977	11045	
6	"	2	2854	10922	
7	"	2	2737	10805	
8	"	2	2624	10692	
9	"	2	2515	10583	
10	"	2	2410	10478	
11	"	2	2309	10377	
12	"	2	2213	10281	
13	"	2	2119	10187	
14	"	2	2030	10098	
15	"	2	1944	10012	
16	"	2	1861	9929	
17	"	2	1781	9849	
18	"	2	1705	9773	
19	"	2	1632	9700	
20	"	2	1562	9630	
21	"	2	1495	9563	
22	"	2	1430	9498	
23	"	2	1369	9437	
24	"	2	1310	9378	
25	"	2	1255	9323	
26	"	2	1201	9269	
27	"	2	1151	9219	
28	"	2	1103	9171	
29	"	2	1057	9125	
30	"	2	1015	9083	
31	"	2	974	9042	
AVE		62	1996	10064	

MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL	
B27-2	1	D16	2	6938	11824
2	"	2	6794	11680	
3	"	2	6656	11542	
4	"	2	6524	11410	
5	"	2	6397	11283	
6	"	2	6274	11160	
7	"	2	6157	11043	
8	"	2	6044	10930	
9	"	2	5935	10821	
10	"	2	5830	10716	
11	"	2	5729	10615	
12	"	2	5633	10519	
13	"	2	5539	10425	
14	"	2	5450	10336	
15	"	2	5364	10250	
16	"	2	5281	10167	
17	"	2	5201	10087	
18	"	2	5125	10011	
19	"	2	5052	9938	
20	"	2	4982	9868	
21	"	2	4915	9801	
22	"	2	4850	9736	
23	"	2	4789	9675	
24	"	2	4730	9616	
25	"	2	4675	9561	
26	"	2	4621	9507	
27	"	2	4571	9457	
28	"	2	4523	9409	
29	"	2	4477	9363	
30	"	2	4435	9321	
31	"	2	4394	9280	
AVE		62	5416	10302	

BAR ARRANGEMENT OF P10 PIER (16) S=1:100 BEAM



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB1-1 1	D22	2	1472	15	1472	5850	3407	11495
2	"	2	2385	72	2384	4938	3349	11438
3	"	2	3189	175	3183	4139	3247	11341
4	"	2	4012	311	3998	3324	3111	11213
5	"	2	4250	460	4223	3099	2962	11077
AVE		10	3062			4270	3215	11313

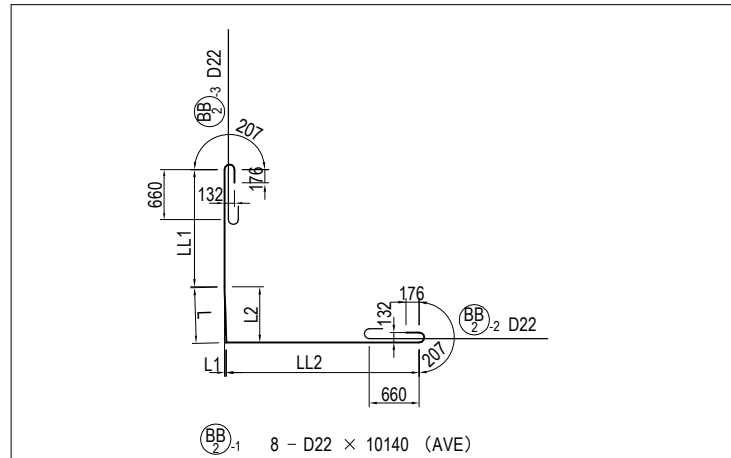
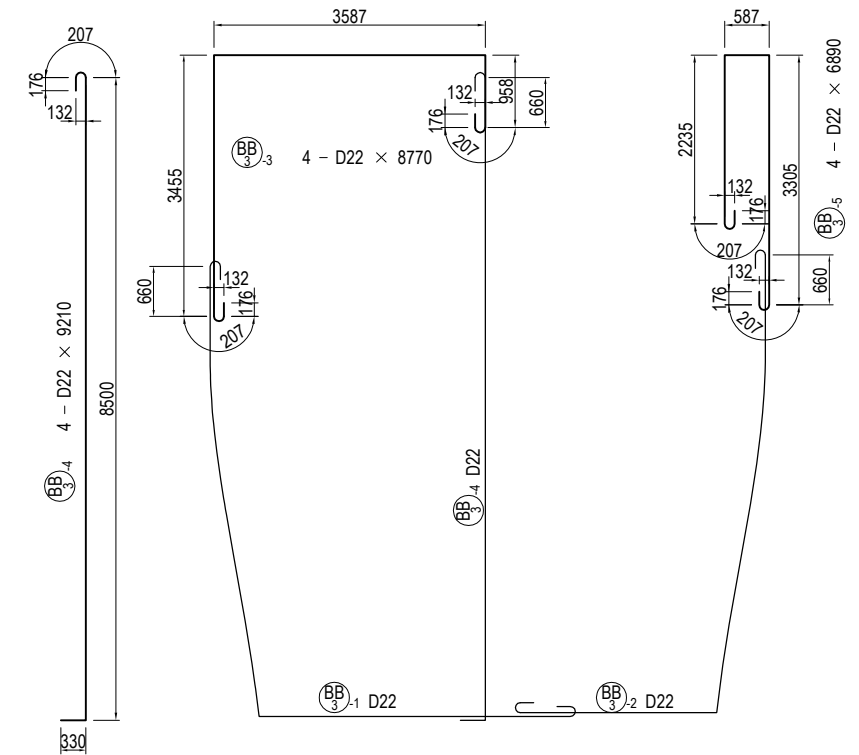
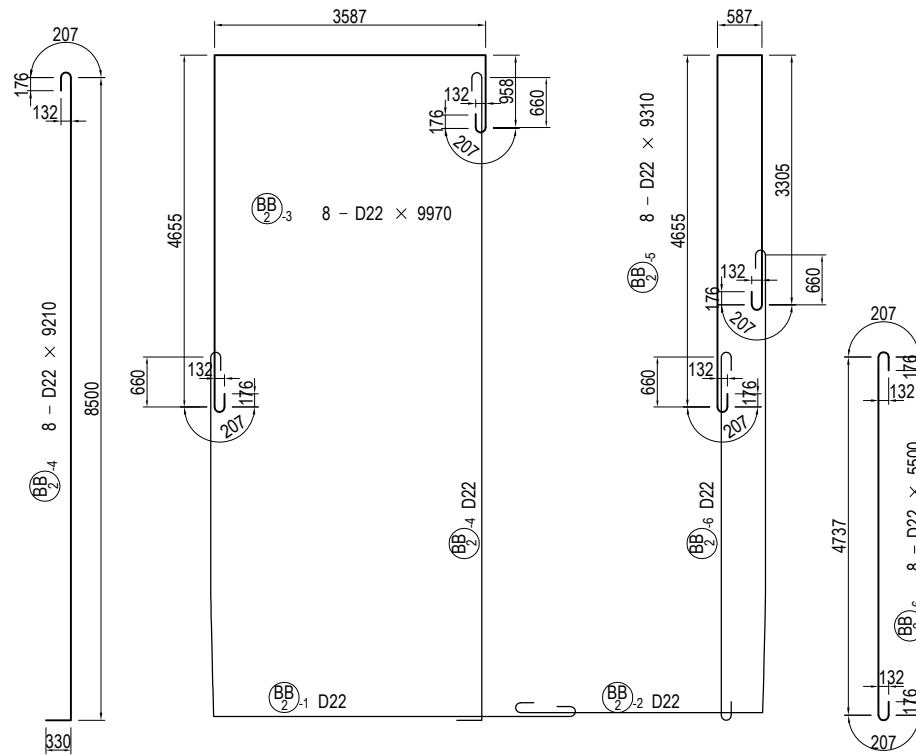


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB1-2 1	D22	2	1472	15	1472	3450	4567	10255
2	"	2	2385	72	2384	2538	4509	10198
3	"	2	3189	175	3183	1739	4407	10101
4	"	2	4012	311	3998	924	4271	9973
5	"	2	4250	460	4223	699	4122	9837
AVE		10	3062			1870	4375	10073

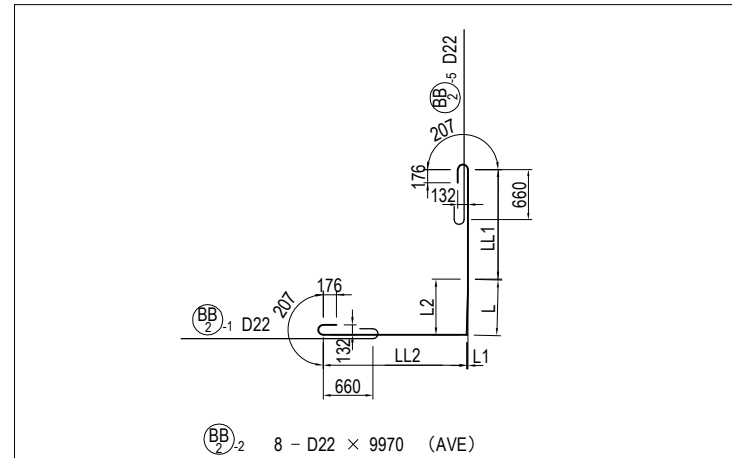
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

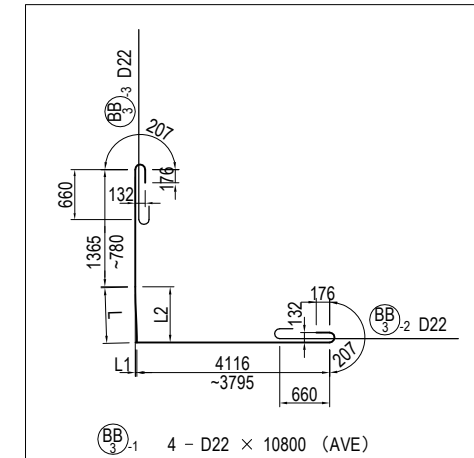
BAR ARRANGEMENT OF P10 PIER (17) S=1:100 BEAM



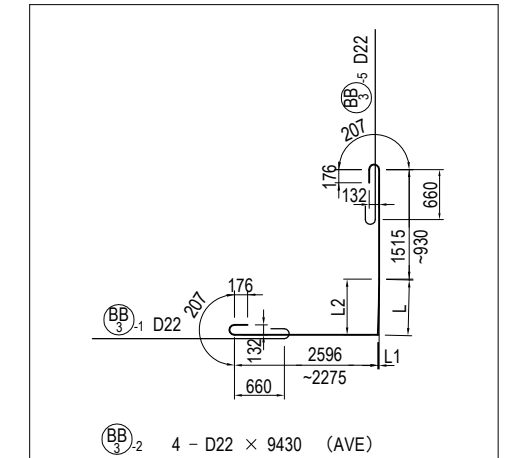
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB2-1	1	D22	1765	38	1765	3037	4723	10291
2	"	2	2838	117	2835	1967	4644	10215
3	"	2	3521	245	3511	1291	4516	10094
4	"	2	4192	383	4172	630	4379	9967
AVE		8	3079			1731	4566	10142



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB2-2	1	D22	1765	38	1765	4387	3203	10121
2	"	2	2838	117	2835	3317	3124	10045
3	"	2	3521	245	3511	2641	2996	9924
4	"	2	4192	383	4172	1980	2859	9797
AVE		8	3079			3081	3046	9972



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB3-1	1	D22	4686	645	4637
2	"	2	5321	967	5222
AVE		4	5004		

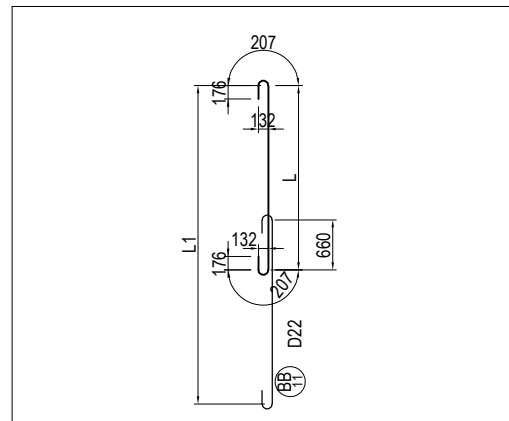
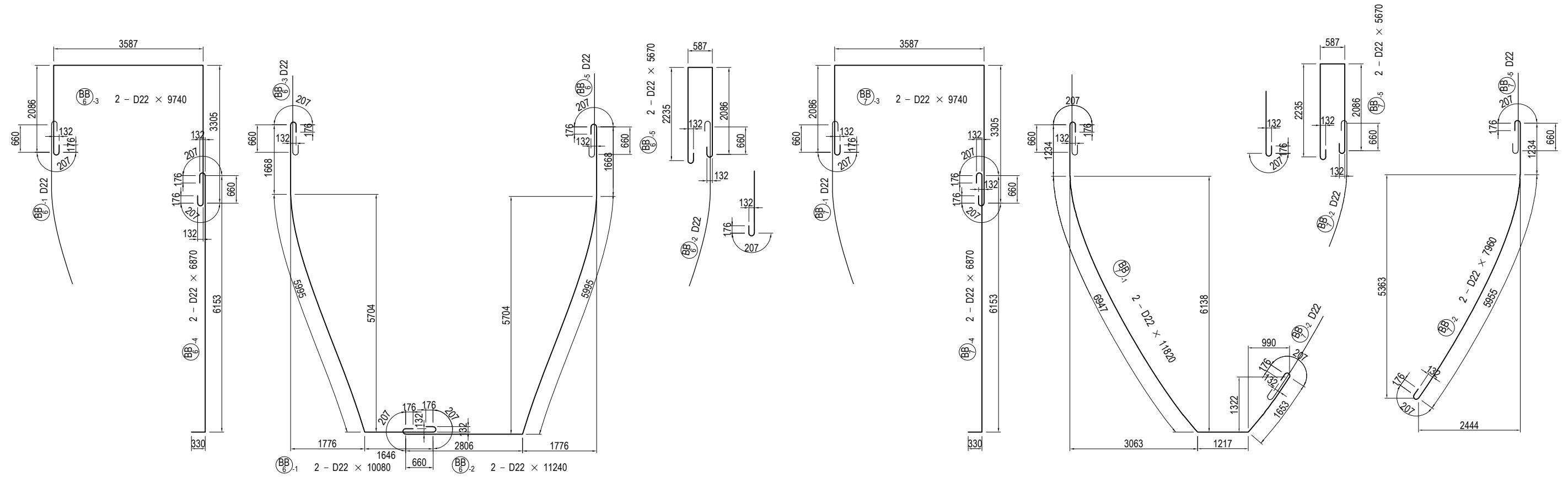


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB3-2	1	D22	4686	645	4637
2	"	2	5321	967	5222
AVE		4	5004		

USE MATERIALS

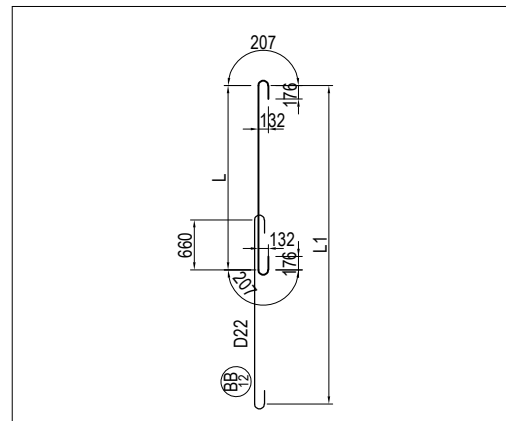
	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P10 PIER (19) S=1:100 BEAM



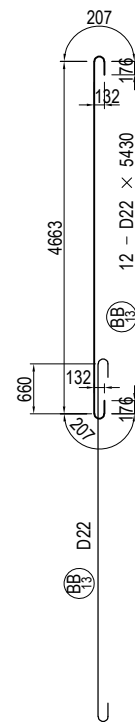
BB11 16 - D22 × 3790 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BB11 1	D22	4	3538	6416	4304
2	"	4	3237	5813	4003
3	"	4	2871	5082	3637
4	"	4	2458	4255	3224
AVE		16	3026		3792

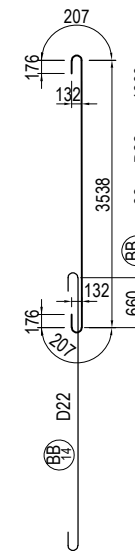


BB12 20 - D22 × 4780 (AVE)

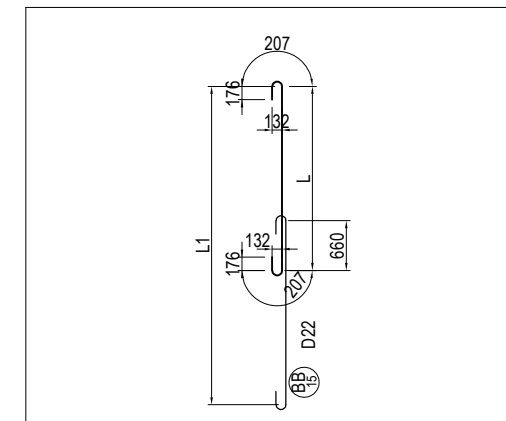
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
B12 1	D22	4	4377	8093	5143
2	"	4	4040	7419	4806
3	"	4	3771	6882	4537
4	"	4	3407	6153	4173
5	"	4	4494	8327	5260
AVE		20	4018		4784



BB13 12 - D22 × 5430



BB14 32 - D22 × 4300



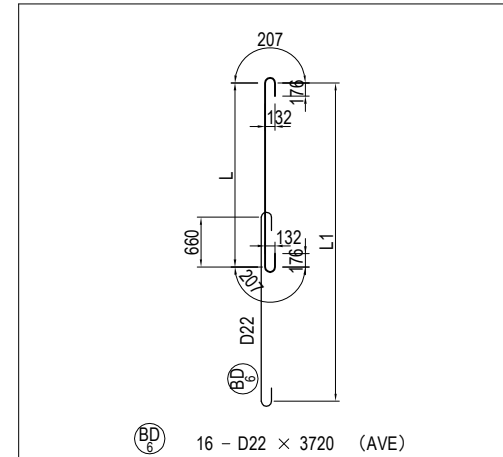
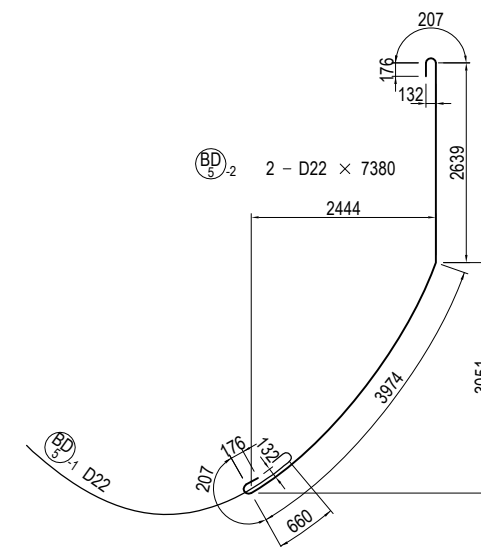
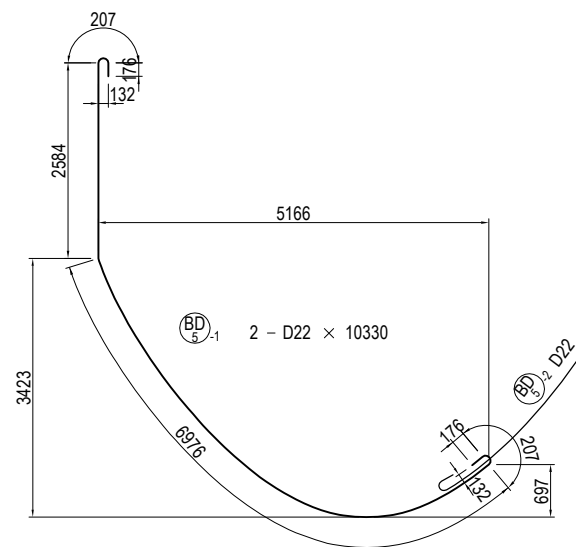
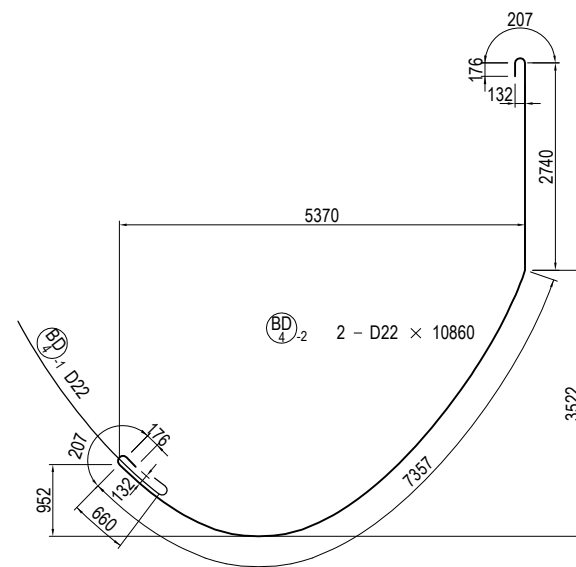
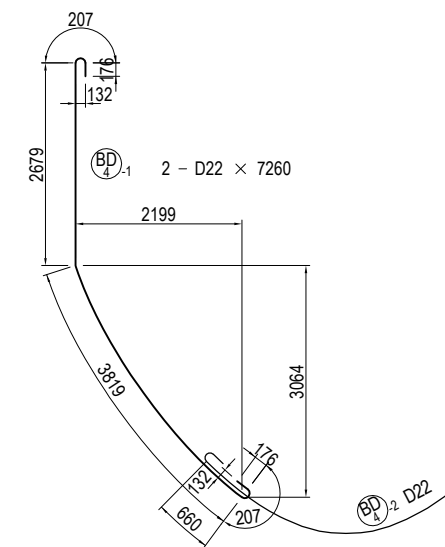
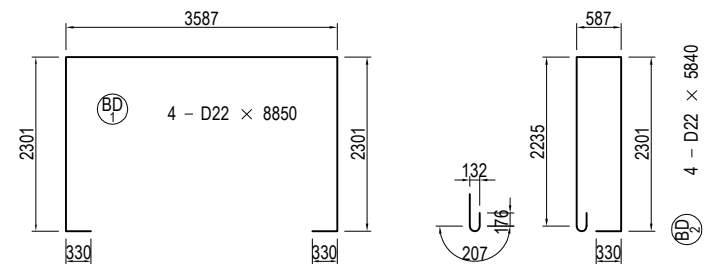
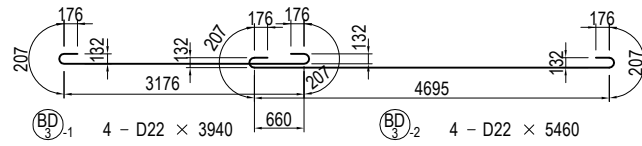
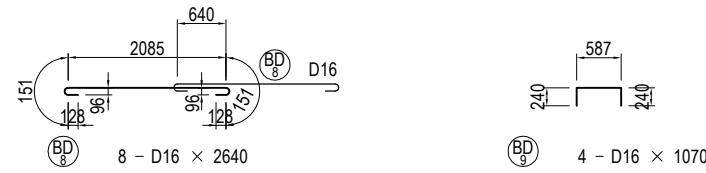
BB15 32 - D22 × 3300 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BB15 1	D22	4	3288	5915	4054
2	"	4	2253	3845	3019
3	"	4	2063	3466	2829
4	"	4	3100	5540	3866
5	"	4	1903	3145	2669
6	"	4	3408	6155	4174
7	"	4	2625	4590	3391
8	"	4	1654	2647	2420
AVE		32	2537		3303

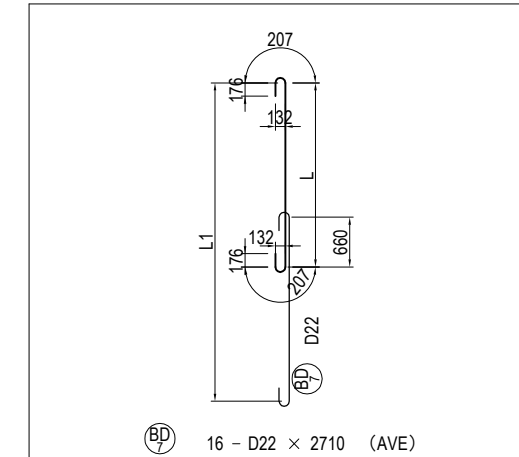
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P10 PIER (21) S=1:100 BEAM



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BD6 1	D22	4	2693	4726	3459
2	"	4	3312	5964	4078
3	"	4	2604	4548	3370
4	"	4	3192	5724	3958
AVE		16	2950		3716



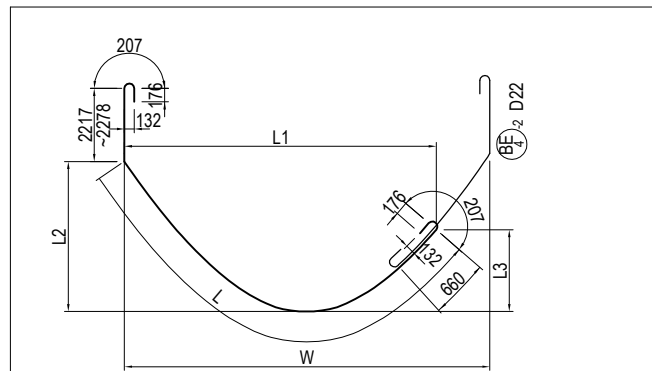
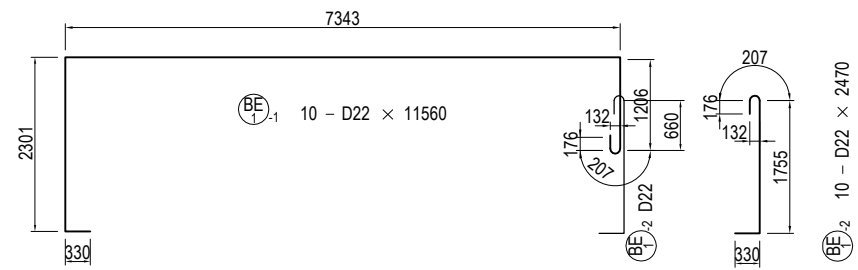
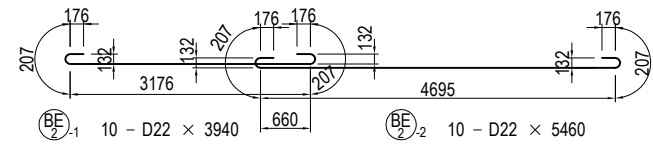
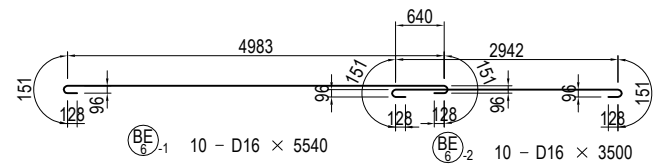
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BD7 1	D22	4	2205	3749	2971
2	"	4	1792	2923	2558
3	"	4	2084	3507	2850
4	"	4	1694	2728	2460
AVE		16	1944		2710

USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

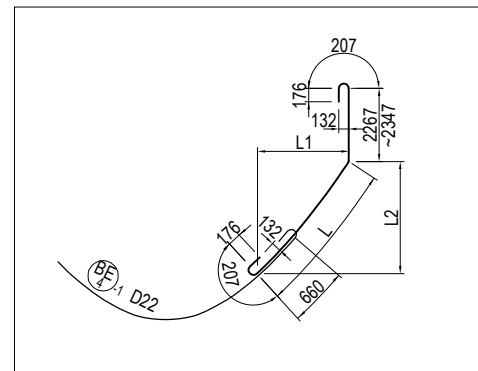
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (21)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2023

BAR ARRANGEMENT OF P10 PIER (22) S=1:100 BEAM



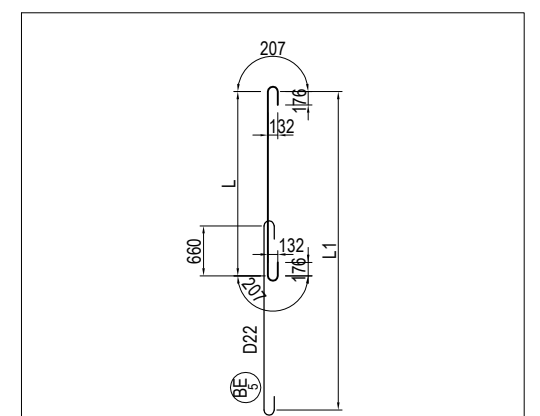
BE₉₋₁ 4 - D22 × 10560 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH W	
BE4-1	1	D22	2	8125	6302	2917	1624	7072
2	"	2	6969	5788	2312	1080	6752	
AVE		4	7547					



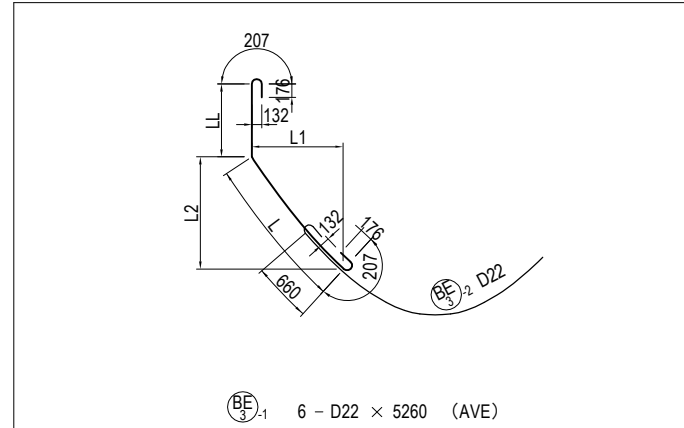
BE₉₋₂ 4 - D22 × 5220 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	
BE4-2	1	D22	2	2127	1216	1728
2	"	2	2175	1477	1577	
AVE		4	2151			



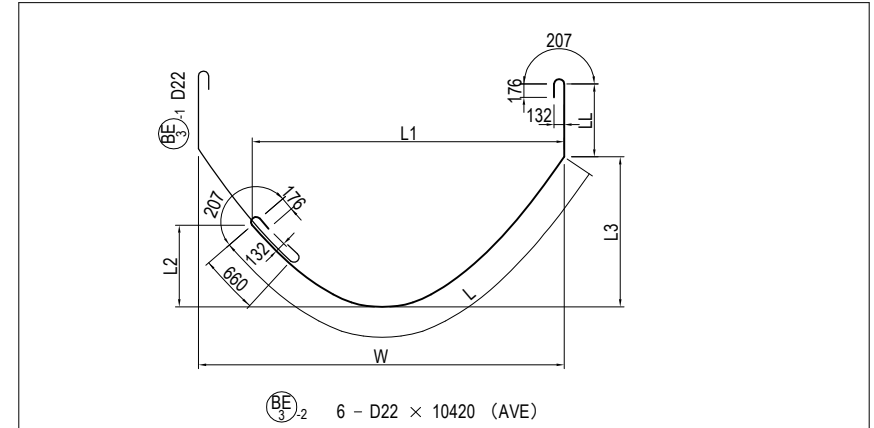
BE₅ 80 - D22 × 3220 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL	
BE5	1	D22	4	2403	4146	3169
2	"	4	2923	5185	3689	
3	"	4	2935	5210	3701	
4	"	4	2595	4529	3361	
5	"	4	2291	3922	3057	
6	"	4	2777	4894	3543	
7	"	4	2789	4918	3555	
8	"	4	2471	4282	3237	
9	"	4	2185	3710	2951	
10	"	4	2642	4624	3408	
11	"	4	2653	4646	3419	
12	"	4	2355	4050	3121	
13	"	4	2085	3510	2851	
14	"	4	2516	4372	3282	
15	"	4	2526	4392	3292	
16	"	4	2246	3832	3012	
17	"	4	1930	3199	2696	
18	"	4	2322	3984	3088	
19	"	4	2332	4003	3098	
20	"	4	2077	3493	2843	
AVE		80	2453		3219	



BE₃₋₁ 6 - D22 × 5260 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL	
BE3-1	1	D22	2	1993	1055	1678	2346	5105
2	"	2	2027	1289	1550	2413	5206	
3	"	2	2416	1825	1549	2294	5476	
AVE		6	2145			2351	5262	



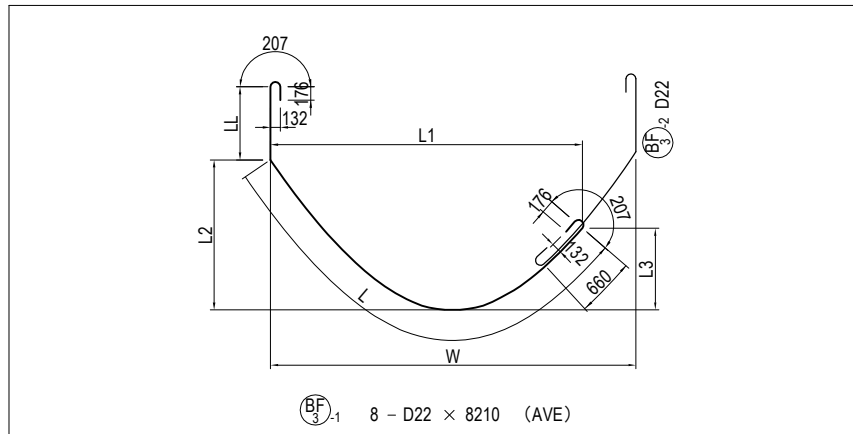
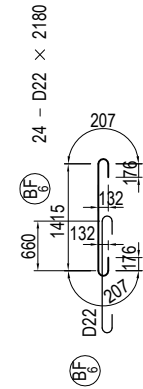
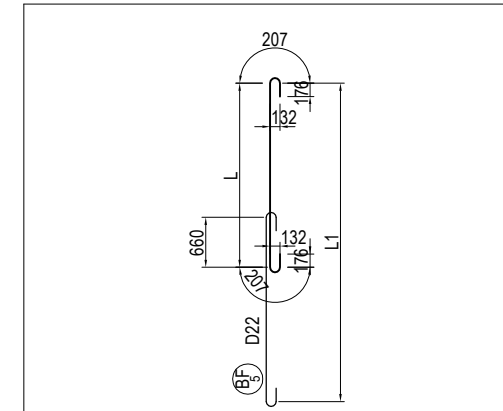
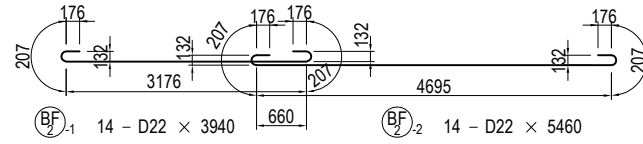
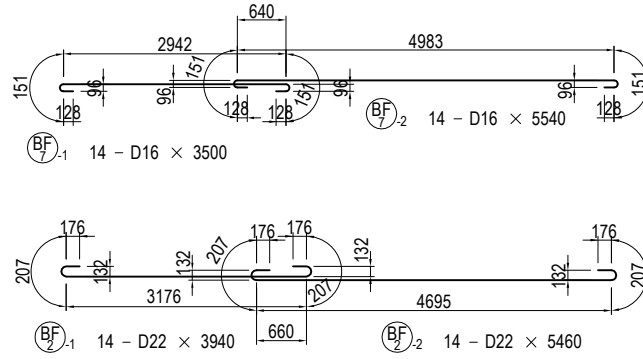
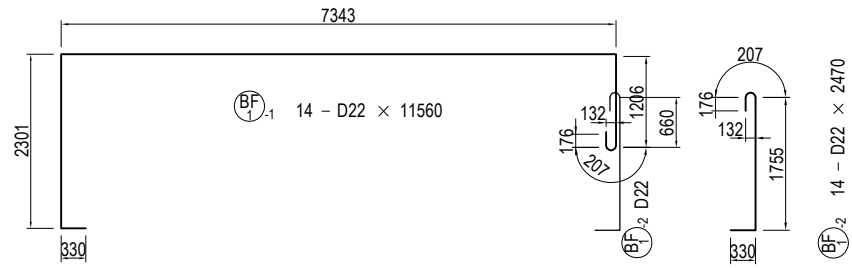
BE₃₋₂ 6 - D22 × 10420 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL
BE3-2	1	D22	2	8495	6430	1928	3036	2401	11662
2	"	2	7277	5943	1343	2368	2485	6752	10528
3	"	2	5910	5166	679	1800	2389	6422	9065
AVE		6	7227				2425		10418

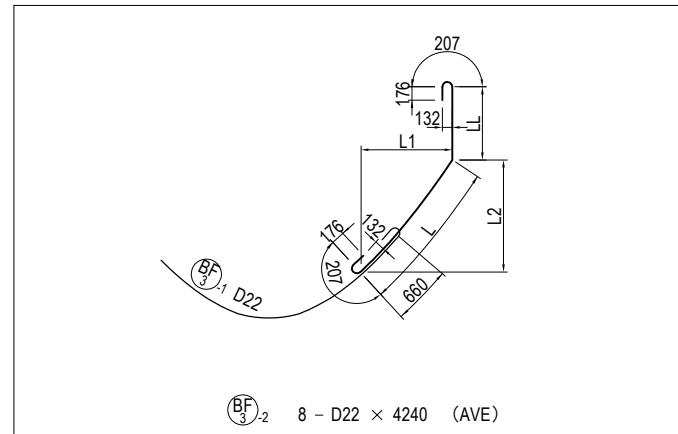
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P10 PIER (23) S=1:100 BEAM

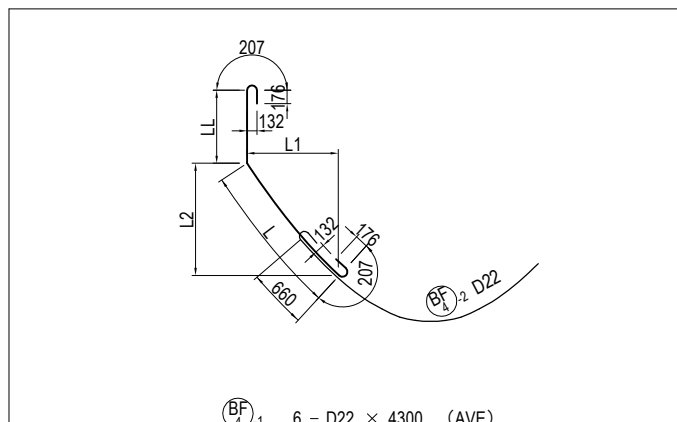


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL	
BF3.1	1	D22	2	6817	5941	1613	1319	2337	6272	9920
2	"	2	5593	5133	1122	780	2268	5332	8627	
3	"	2	4681	4439	814	485	2280	4732	7727	
4	"	2	3485	3383	501	212	2321	3982	6572	
AVE		8	5144				2302		8212	

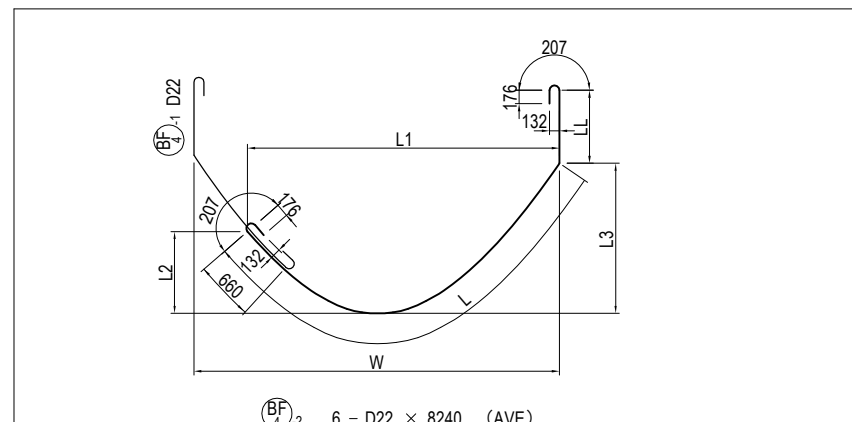


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL	
BF3.2	1	D22	2	1155	825	805	2241	4162
2	"	2	887	753	467	2478	4131	
3	"	2	1002	907	421	2446	4214	
4	"	2	1304	1240	391	2375	4445	
AVE		8	1087			2385	4238	

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL	
BF5	1	D22	4	1833	3005	2599
2	"	4	2203	3746	2969	
3	"	4	2212	3763	2978	
4	"	4	1972	3284	2738	
5	"	4	1741	2822	2507	
6	"	4	2091	3522	2857	
7	"	4	2099	3538	2865	
8	"	4	1873	3085	2639	
9	"	4	1613	2565	2379	
10	"	4	1935	3209	2701	
11	"	4	1943	3225	2709	
12	"	4	1734	2808	2500	
13	"	4	1552	2444	2318	
14	"	4	1862	3063	2628	
15	"	4	1869	3077	2635	
16	"	4	1669	2677	2435	
17	"	4	1791	2922	2557	
18	"	4	1798	2936	2564	
19	"	4	1724	2787	2490	
20	"	4	1731	2801	2497	
21	"	4	1659	2658	2425	
22	"	4	1665	2670	2431	
AVE		88	1844		2610	



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL
BF4.1	1	D22	2	1039	802	2350	4155
2	"	2	1248	1075	627	2281	4295
3	"	2	1418	1300	556	2267	4451
AVE		6	1235			2299	4300

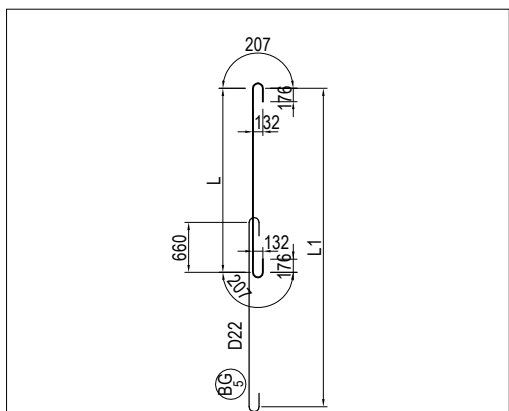
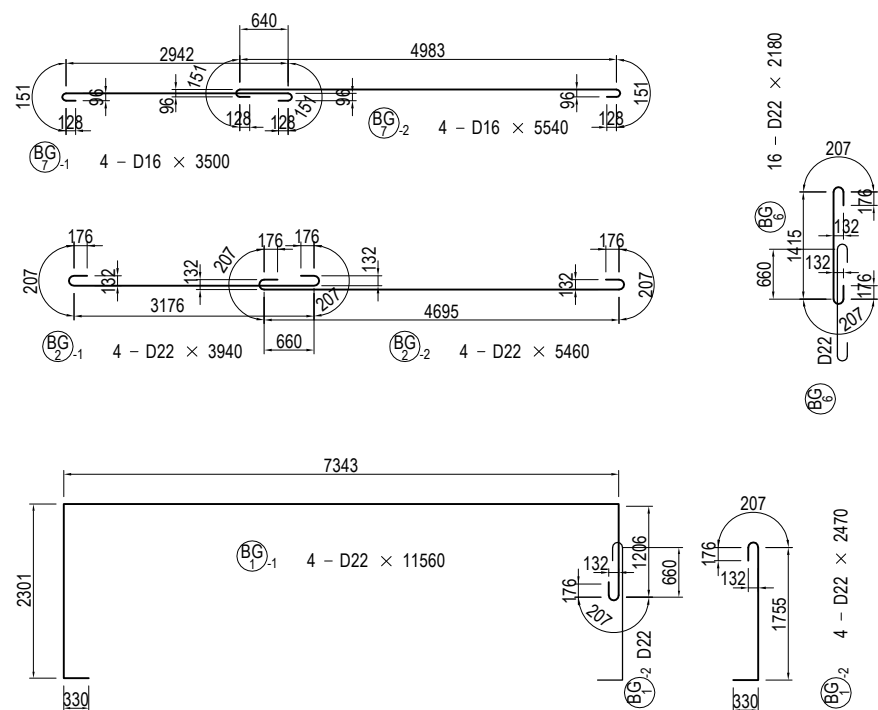


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL	
BF4.2	1	D22	2	6361	5675	1102	1420	2291	5952	9418
2	"	2	5007	4697	629	876	2363	5182	8136	
3	"	2	4066	3906	346	624	2331	4582	7163	
AVE		6	5145				2328		8239	

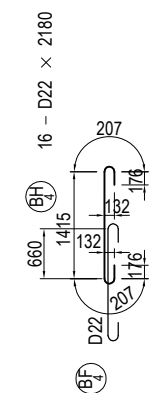
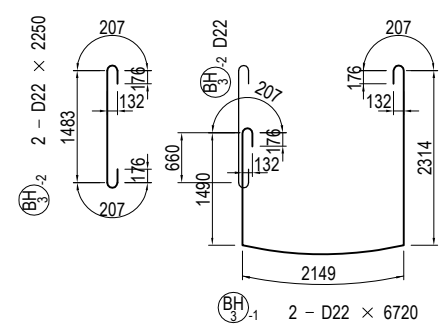
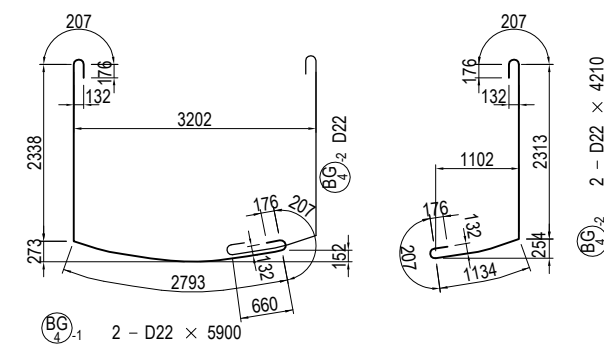
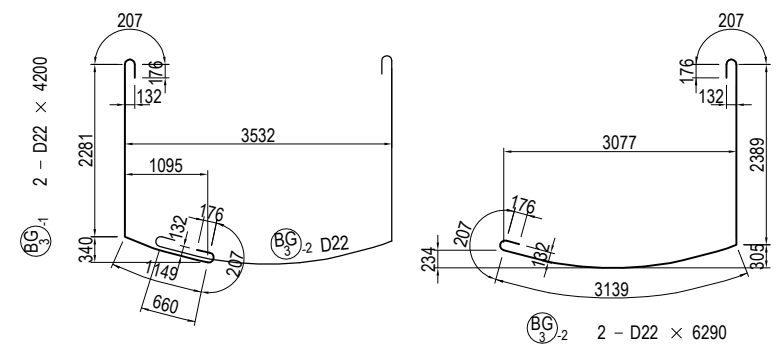
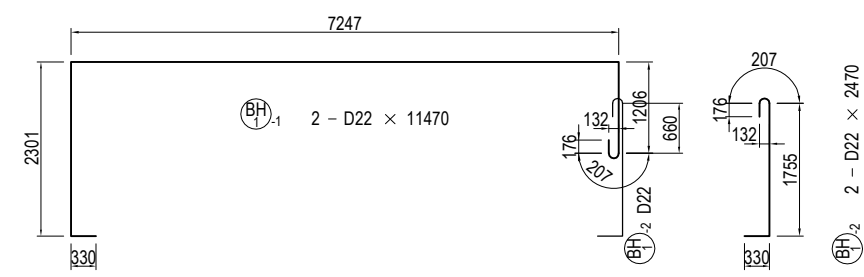
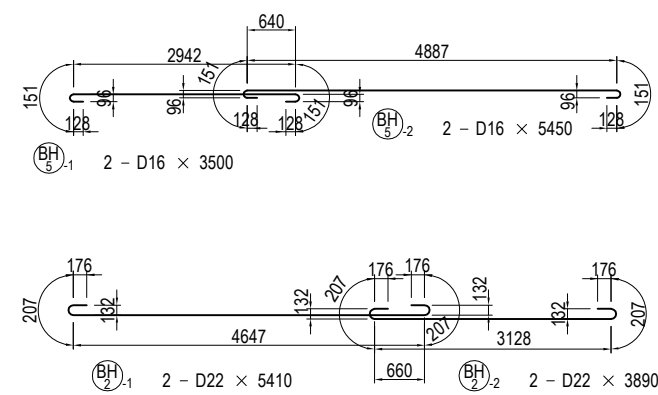
USE MATERIALS

BEAM • COLUMN	CONCRETE	BAR
	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P10 PIER (24) S=1:100 BEAM



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BG5 1	D22	4	1597	2533	2363
2	"	4	1603	2545	2369
3	"	4	1556	2452	2322
4	"	4	1562	2464	2328
AVE		16	1580		2346



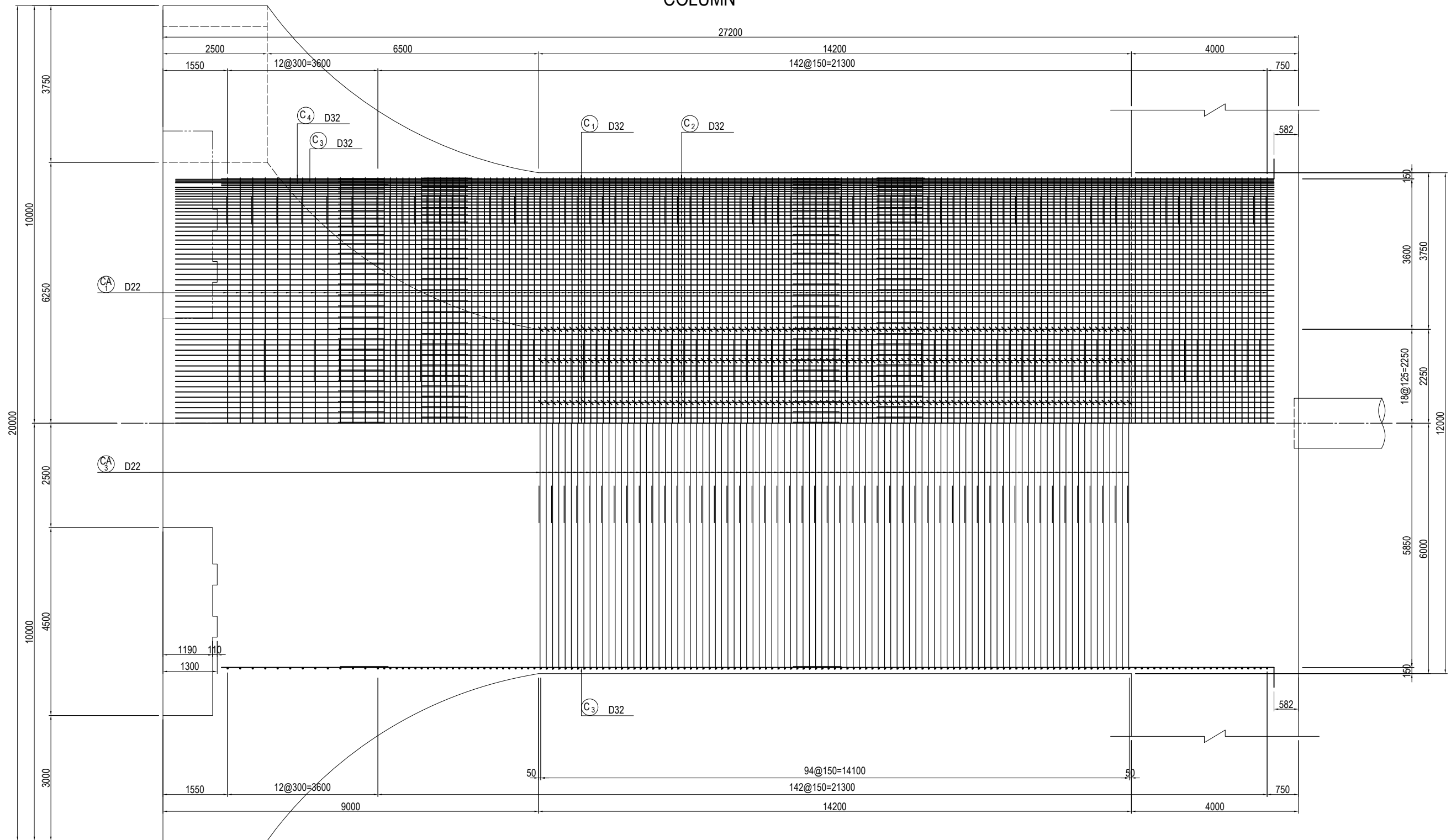
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

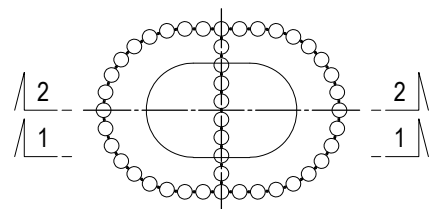
BAR ARRANGEMENT OF P10 PIER (25) S=1:100 COLUMN

FRONT ELEVATION
1-1

SECTION
2-2



MARKING DIAGRAM



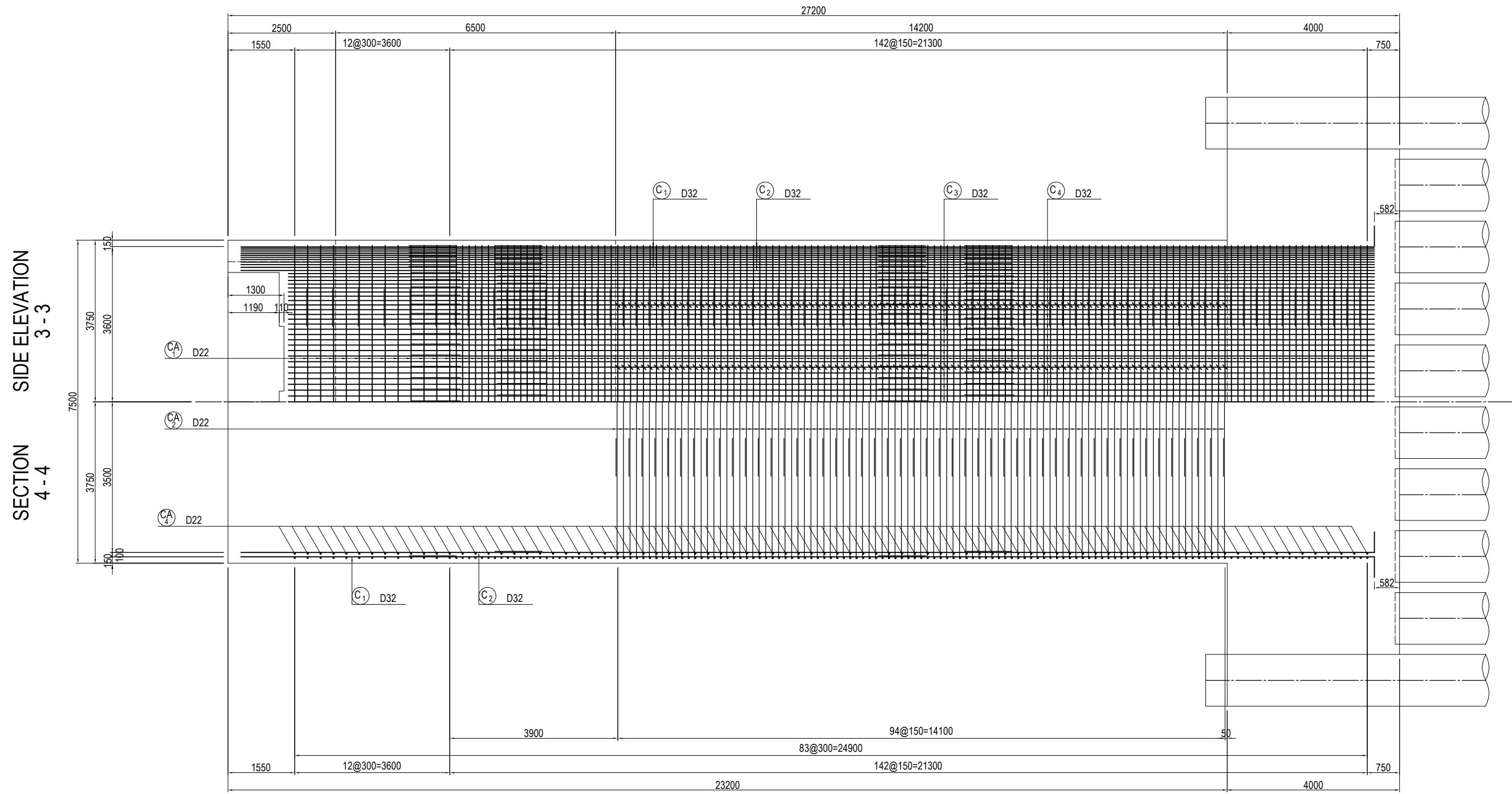
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

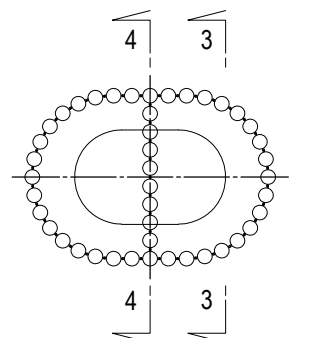
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (25)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2027

BAR ARRANGEMENT OF P10 PIER (26) COLUMN

S=1:100



MARKING DIAGRAM



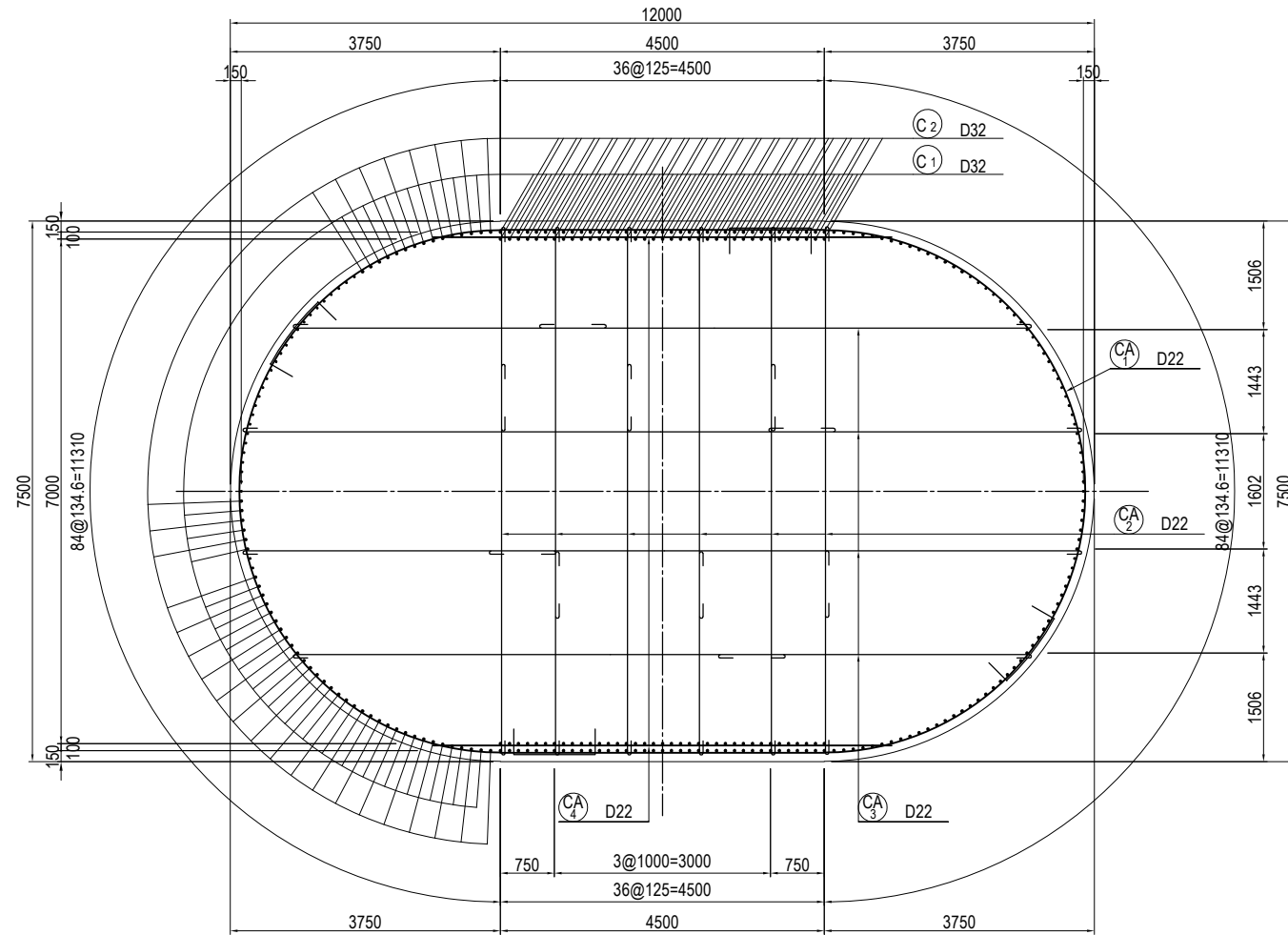
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

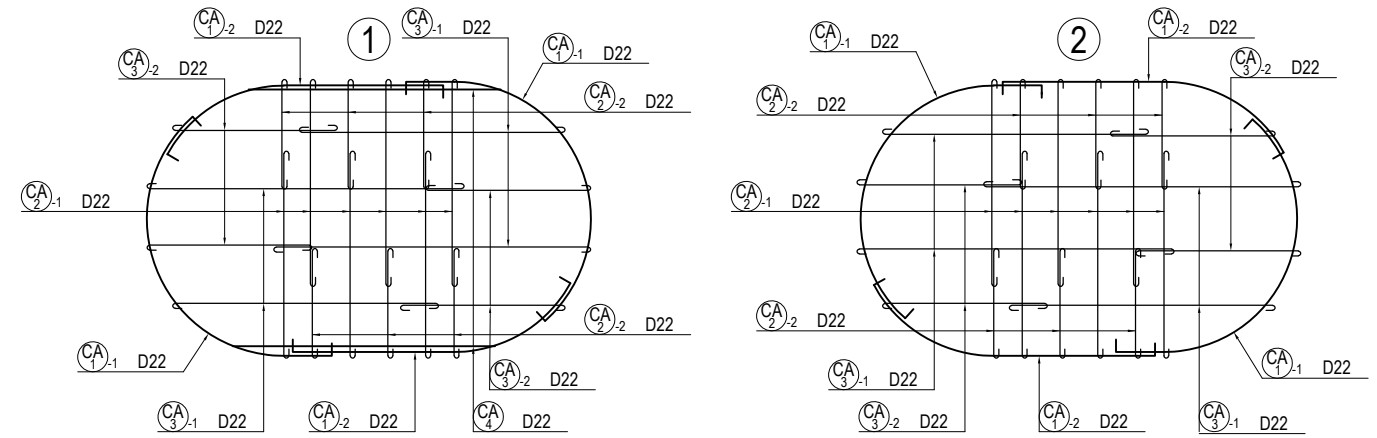
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P10 PIER (26)	<small>PACKAGE</small> 1 DWG No. P1-CS-2028
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

BAR ARRANGEMENT OF P10 PIER (27) S=1:100 COLUMN

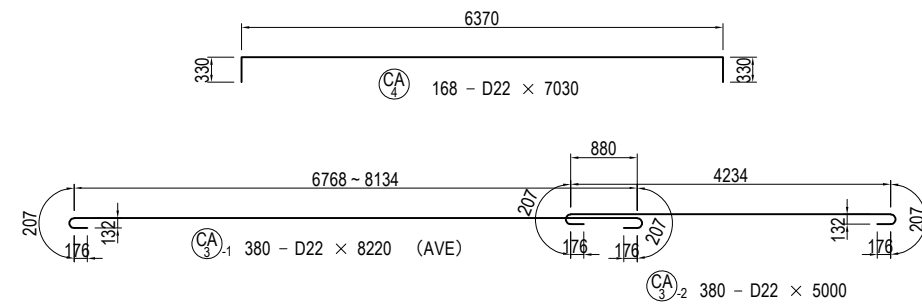
**PLAN
5-5**



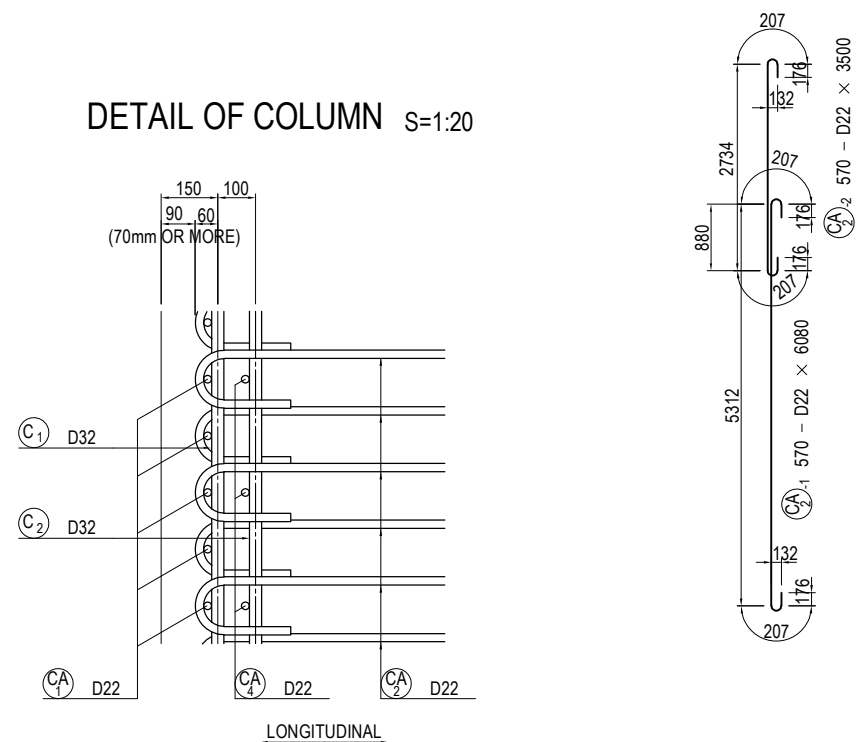
**ASSEMBLY DRAWING OF HOOP
(c.t.c. 150)**



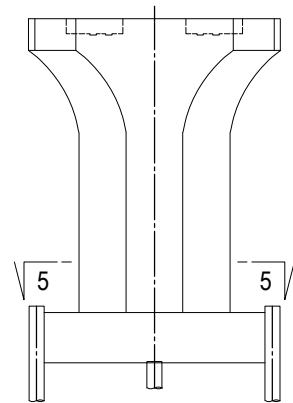
Note) CA : c.t.c. 300



DETAIL OF COLUMN S=1:20



MARKING DIAGRAM



LAP LENGTH LIST OF HOOP

DIA.	R	LAP LENGTH (40φ)	L
D13	39	520	598
D16	48	640	736
D19	57	760	874
D22	66	880	1012
D25	75	1000	1150
D29	87	1160	1334
D32	96	1280	1472

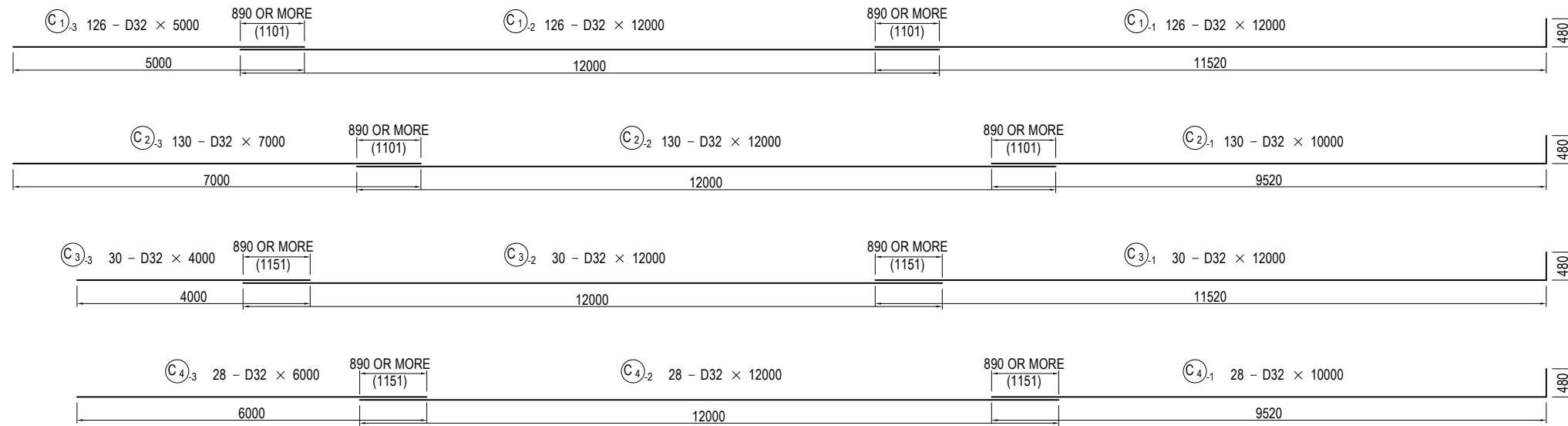
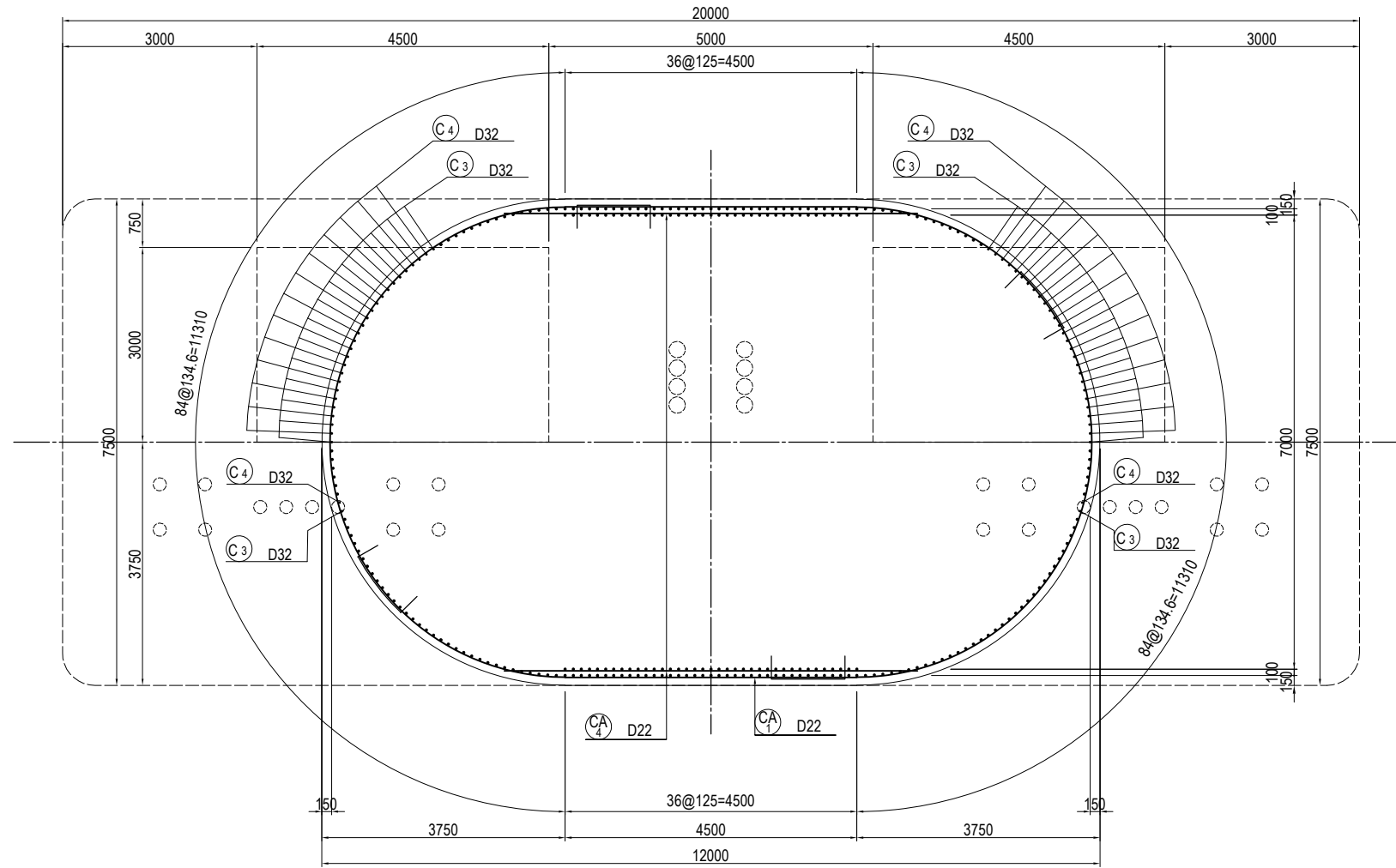
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

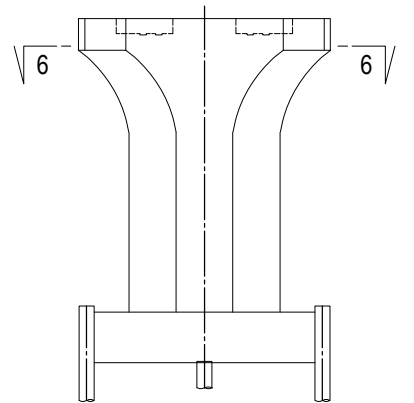
BAR ARRANGEMENT OF P10 PIER (28) S=1:100

COLUMN

PLAN
6 - 6



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (28)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2030

BAR ARRANGEMENT OF P10 PIER (29) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
B 1-1	D29	11000	13	5.04	55.44	721	┌
1-2	"	6000	13	"	30.24	393	┌
1-3	"	9000	13	"	45.36	590	┌
2-1	"	7000	10	"	35.28	353	┌
2-2	"	12000	5	"	60.48	302	┌
3-1	"	12000	13	"	60.48	786	┌
3-2	"	9500	13	"	47.88	622	┌
4-1	"	9500	25	"	47.88	1197	┌
4-2	"	12000	25	"	60.48	1512	┌
5-1	"	11000	2	"	55.44	111	┌
5-2	"	5960	2	"	30.04	60	┌ (AVE)
5-3	"	9000	2	"	45.36	91	┌
6-1	"	12000	2	"	60.48	121	┌
6-2	"	9260	2	"	46.67	93	┌ (AVE)
7-1	"	9460	2	"	47.68	95	┌ (AVE)
7-2	"	12000	2	"	60.48	121	┌
8-1	"	9000	2	"	45.36	91	┌
8-2	"	5940	2	"	29.94	60	┌ (AVE)
8-3	"	11000	2	"	55.44	111	┌
9-1	"	9500	1	"	47.88	48	┌
9-2	"	12000	1	"	60.48	60	┌
10-1	"	12000	2	"	60.48	121	┌
10-2	"	9440	2	"	47.58	95	┌ (AVE)
11-1	"	10500	2	"	52.92	106	┌
11-2	"	6500	2	"	32.76	66	┌
11-3	"	8500	2	"	42.84	86	┌
12-1	"	11500	2	"	57.96	116	┌
12-2	"	9000	2	"	45.36	91	┌
13-1	"	9500	2	"	47.88	96	┌
13-2	"	11500	2	"	57.96	116	┌
14	"	7500	22	"	37.80	832	┌
15	"	9000	11	"	45.36	499	┌
16	"	5670	10	"	28.58	286	┌
17	"	7670	5	"	38.66	193	┌
18	"	6000	2	"	30.24	60	┌
19	"	7000	2	"	35.28	71	┌
20-1	D22	9790	12	3.04	29.76	357	┌ (AVE)
20-2	"	5000	12	"	15.20	182	┌
20-3	"	11070	12	"	33.65	404	┌ (AVE)
21-1	"	9440	15	"	28.70	431	┌ (AVE)
21-2	"	8000	15	"	24.32	365	┌
21-3	"	10920	15	"	33.20	498	┌ (AVE)
22-1	"	9850	7	"	29.94	210	┌ (AVE)
22-2	"	8500	7	"	25.84	181	┌
22-3	"	11430	7	"	34.75	243	┌ (AVE)
23-1	"	10500	2	"	31.92	64	┌
23-2	"	12000	2	"	36.48	73	┌

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
B 24-1	D16	11500	14	1.56	17.94	251	┌
24-2	"	11000	14	"	17.16	240	┌
24-3	"	12000	28	"	18.72	524	┌
24-4	"	12000	14	"	18.72	262	┌
25-1	"	11500	2	"	17.94	36	┌
25-2	"	12000	1	"	18.72	19	┌
25-3	"	5500	1	"	8.58	9	┌
25-4	"	12000	1	"	18.72	19	┌
26-1	"	11010	12	"	17.18	206	┌ (AVE)
26-2	"	9070	6	"	14.15	85	┌ (AVE)
26-3	"	8950	6	"	13.96	84	┌ (AVE)
26-4	"	10000	6	"	15.60	94	┌
27-1	"	10060	62	"	15.69	973	┌ (AVE)
27-2	"	10300	62	"	16.07	996	┌ (AVE)
28-1	"	11800	4	"	18.41	74	┌ (AVE)
28-2	"	11850	4	"	18.49	74	┌ (AVE)
28-3	"	11680	4	"	18.22	73	┌ (AVE)
SUBTOTAL						17399	kg
BA 1-1	D22	11150	25	3.04	33.90	848	┌
1-2	"	9270	25	"	28.18	705	┌
1-3	"	8040	25	"	24.44	611	┌
2-1	"	5460	25	"	16.60	415	┌
2-2	"	3940	25	"	11.98	300	┌
3-1	"	11670	50	"	35.48	1774	┌
3-2	"	9270	50	"	28.18	1409	┌
4-1	"	11900	25	"	36.18	905	┌
4-2	"	9270	25	"	28.18	705	┌
5-1	D16	5540	25	1.56	8.64	216	┌
5-2	"	3500	25	"	5.46	137	┌
6-1	"	3500	25	"	5.46	137	┌
6-2	"	5380	25	"	8.39	210	┌
SUBTOTAL						8372	kg
BB 1-1	D22	11310	10	3.04	34.38	344	┌ (AVE)
1-2	"	10070	10	"	30.61	306	┌ (AVE)
1-3	"	9790	10	"	29.76	298	┌
1-4	"	6870	10	"	20.88	209	┌
1-5	"	9190	10	"	27.94	279	┌
1-6	"	6850	10	"	20.82	208	┌
2-1	"	10140	8	"	30.83	247	┌ (AVE)
2-2	"	9970	8	"	30.31	242	┌ (AVE)
2-3	"	9970	8	"	30.31	242	┌
2-4	"	9210	8	"	28.00	224	┌
2-5	"	9310	8	"	28.30	226	┌
2-6	"	5500	8	"	16.72	134	┌
SUBTOTAL						9869	kg

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BB 3-1	D22	10800	4	3.04	32.83	131	┌ (AVE)
3-2	"	9430	4	"	28.67	115	┌ (AVE)
3-3	"	8770	4	"	26.66	107	┌
3-4	"	9210	4	"	28.00	112	┌
3-5	"	6890	4	"	20.95	84	┌
4-1	"	10640	4	"	32.35	129	┌ (AVE)
4-2	"	11800	4	"	35.87	143	┌ (AVE)
4-3	"	9740	4	"	29.61	118	┌
4-4	"	6870	4	"	20.88	84	┌
4-5	"	5670	4	"	17.24	69	┌
5-1	"	8330	4	"	25.32	101	┌ (AVE)
5-2	"	6810	4	"	20.70	83	┌ (AVE)
5-3	"	10470	4	"	31.83	127	┌ (AVE)
5-4	"	9210	4	"	28.00	112	┌
5-5	"	8750	4	"	26.60	106	┌ (AVE)
6-1	"	10080	2	"	30.64	61	┌
6-2	"	11240	2	"	34.17	68	┌
6-3	"	9740	2	"	29.61	59	┌
6-4	"	6870	2	"	20.88	42	┌
6-5	"	5670	2	"	17.24	34	┌
7-1	"	11820	2	"	35.93	72	┌
7-2	"	7960	2	"	24.20	48	┌
7-3	"	9740	2	"	29.61	59	┌
7-4	"	6870	2	"	20.88	42	┌
7-5	"	5670	2	"	17.24	34	┌
8-1	"	12000	26	"	36.48	948	┌
8-2	"	9210	26	"	28.00	728	┌
9-1	"	11170	10	"	33.96	340	┌
9-2	"	5500	10	"	16.72	167	┌
10-1	"	12000	12	"	36.48	438	┌
10-2	"	4130	12	"	12.56	151	┌
11	"	3790	16	"	11.52	184	┌ (AVE)
12	"	4780	20	"	14.53	291	┌ (AVE)
13	"	5430	12	"	16.51	198	┌
14	"	4300	32	"	13.07	418	┌
15	"	3300	32	"	10.03	321	┌ (AVE)
16	D16	2640	68	1.56	4.12	280	┌
17-1	"	5380	18	"	8.39	151	┌
17-2	"	3500	18	"	5.46	98	┌
18	"	1070	34	"	1.67	57	┌
SUBTOTAL						9869	kg

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σck = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM    NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 PIER (29)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2031

BAR ARRANGEMENT OF P10 PIER (30) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BC 1-1	D22	9540	4	3.04	29.00	116	☺ (AVE)
1-2	"	9910	4	"	30.13	121	☺ (AVE)
1-3	"	4730	8	"	14.38	115	☺ (AVE)
1-4	"	9890	4	"	30.07	120	☺ (AVE)
2-1	"	6800	2	"	20.67	41	☺
2-2	"	10330	2	"	31.40	63	☺
2-3	"	9740	2	"	29.61	59	☺
2-4	"	5350	2	"	16.26	33	☺
2-5	"	5670	2	"	17.24	34	☺
3	"	4240	24	"	12.89	309	☺ (AVE)
4	"	2900	36	"	8.82	318	☺ (AVE)
5	D16	2640	12	1.56	4.12	49	☺
6-1	"	5380	6	"	8.39	50	☺
6-2	"	3500	6	"	5.46	33	"
7	"	1070	6	"	1.67	10	☺
SUBTOTAL						1471	kg
BD 1	D22	8850	4	3.04	26.90	108	☺
2	"	5840	4	"	17.75	71	☺
3-1	"	3940	4	"	11.98	48	☺
3-2	"	5460	4	"	16.60	66	"
4-1	"	7260	2	"	22.07	44	☺
4-2	"	10860	2	"	33.01	66	☺
5-1	"	10330	2	"	31.40	63	☺
5-2	"	7380	2	"	22.44	45	☺
6	"	3720	16	"	11.31	181	☺ (AVE)
7	"	2710	16	"	8.24	132	☺ (AVE)
8	D16	2640	8	1.56	4.12	33	☺
9	"	1070	4	"	1.67	7	☺
SUBTOTAL						864	kg
BE 1-1	D22	11560	10	3.04	35.14	351	☺
1-2	"	2470	10	"	7.51	75	☺
2-1	"	3940	10	"	11.98	120	☺
2-2	"	5460	10	"	16.60	166	"
3-1	"	5260	6	"	15.99	96	☺ (AVE)
3-2	"	10420	6	"	31.68	190	☺ (AVE)
4-1	"	10560	4	"	32.10	128	☺ (AVE)
4-2	"	5220	4	"	15.87	63	☺ (AVE)
5	"	3220	80	"	9.79	783	☺ (AVE)
6-1	D16	5540	10	1.56	8.64	86	☺
6-2	"	3500	10	"	5.46	55	"
SUBTOTAL						2113	kg
BF 1-1	D22	11560	14	3.04	35.14	492	☺
1-2	"	2470	14	"	7.51	105	☺
2-1	"	3940	14	"	11.98	168	☺
2-2	"	5460	14	"	16.60	232	"
3-1	"	8210	8	"	24.96	200	☺ (AVE)
3-2	"	4240	8	"	12.89	103	☺ (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BF 4-1	D22	4300	6	3.04	13.07	78	☺ (AVE)
4-2	"	8240	6	"	25.05	150	☺ (AVE)
5	"	2610	88	"	7.93	698	☺ (AVE)
6	"	2180	24	"	6.63	159	"
7-1	D16	3500	14	1.56	5.46	76	☺
7-2	"	5540	14	"	8.64	121	"
SUBTOTAL						2582	kg
BG 1-1	D22	11560	4	3.04	35.14	141	☺
1-2	"	2470	4	"	7.51	30	☺
2-1	"	3940	4	"	11.98	48	☺
2-2	"	5460	4	"	16.60	66	"
3-1	"	4200	2	"	12.77	26	☺
3-2	"	6290	2	"	19.12	38	☺
4-1	"	5900	2	"	17.94	36	☺
4-2	"	4210	2	"	12.80	26	☺
5	"	2350	16	"	7.14	114	☺ (AVE)
6	"	2180	16	"	6.63	106	"
7-1	D16	3500	4	1.56	5.46	22	☺
7-2	"	5540	4	"	8.64	35	"
SUBTOTAL						688	kg
BH 1-1	D22	11470	2	3.04	34.87	70	☺
1-2	"	2470	2	"	7.51	15	☺
2-1	"	5410	2	"	16.45	33	☺
2-2	"	3890	2	"	11.83	24	"
3-1	"	6720	2	"	20.43	41	☺
3-2	"	2250	2	"	6.84	14	☺
4	"	2180	16	"	6.63	106	"
5-1	D16	3500	2	1.56	5.46	11	☺
5-2	"	5450	2	"	8.50	17	"
SUBTOTAL						331	kg
P 1	D16	4500	42	1.56	7.02	295	☺
2	"	6000	26	"	9.36	243	"
3	"	3690	16	"	5.76	92	☺
4	"	4750	16	"	7.41	119	☺
SUBTOTAL						749	kg
HA 1	D16	3460	30	1.56	5.40	162	☺
2	"	3460	30	"	5.40	162	"
3	"	7970	2	"	12.43	25	☺
SUBTOTAL						349	kg
HB 1	D16	3720	34	1.56	5.80	197	☺
2	"	3820	32	"	5.96	191	"
3	"	8570	2	"	13.37	27	☺
SUBTOTAL						415	kg

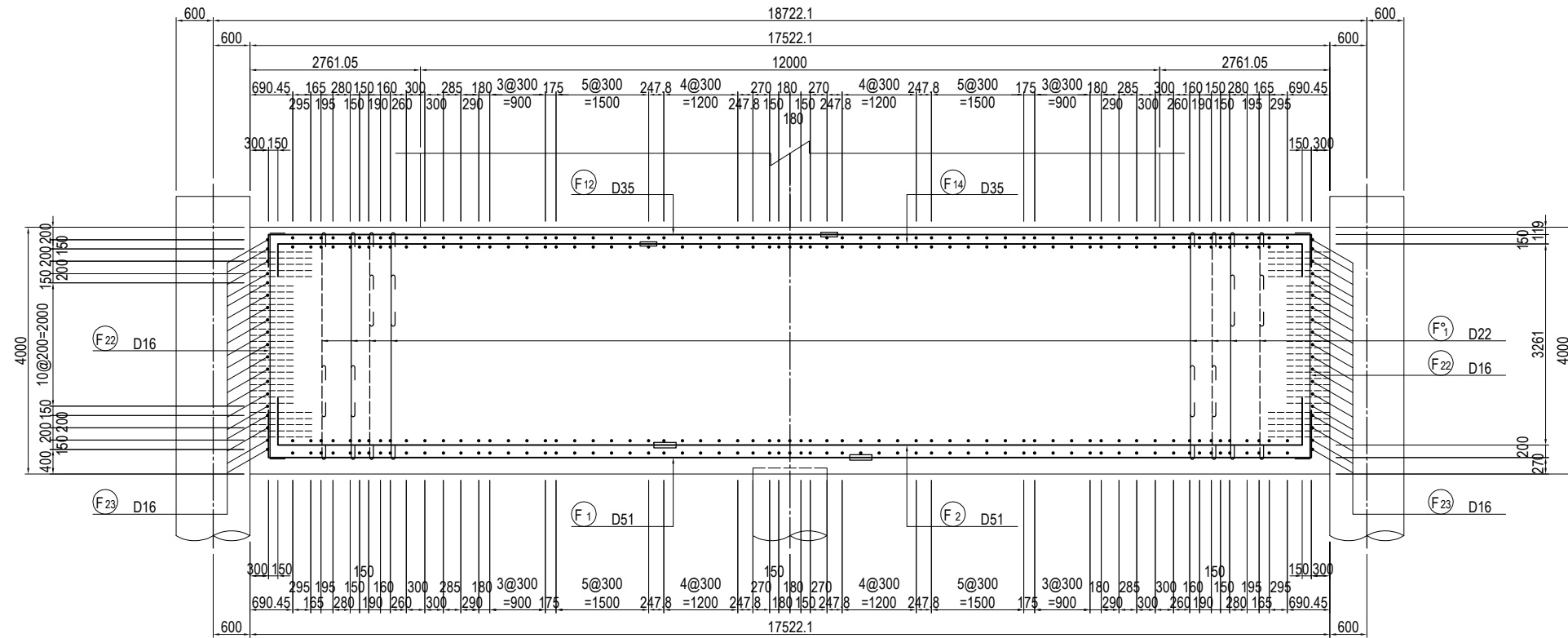
MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
HC 1	D16	2300	12	1.56	3.59	43	☺
2	"	2480	7	"	3.87	27	"
3	"	6330	1	"	9.87	10	☺
SUBTOTAL						80	kg
C 1-1	D32	12000	126	6.23	74.76	9420	☺
1-2	"	12000	126	"	74.76	9420	☺
1-3	"	5000	126	"	31.15	3925	"
2-1	"	10000	130	"	62.30	8099	☺
2-2	"	12000	130	"	74.76	9719	☺
2-3	"	7000	130	"	43.61	5669	"
3-1	"	12000	30	"	74.76	2243	☺
3-2	"	12000	30	"	74.76	2243	☺
3-3	"	4000	30	"	24.92	748	"
4-1	"	10000	28	"	62.30	1744	☺
4-2	"	12000	28	"	74.76	2093	☺
4-3	"	6000	28	"	37.38	1047	"
SUBTOTAL						56370	kg
CA 1-1	D22	10590	310	3.04	32.19	9979	☺
1-2	"	8840	310	"	26.87	8330	☺
2-1	"	6080	570	"	18.48	10534	☺
2-2	"	3500	570	"	10.64	6065	"
3-1	"	8220	380	"	24.99	9496	☺ (AVE)
3-2	"	5000	380	"	15.20	5776	"
4	"	7030	168	"	21.37	3590	☺
SUBTOTAL						53770	kg
				D32	56370	kg	
				D29	10372	"	
				D22	81177	"	
				D16	7503	"	
				TOTAL	155422	kg	

USE MATERIALS

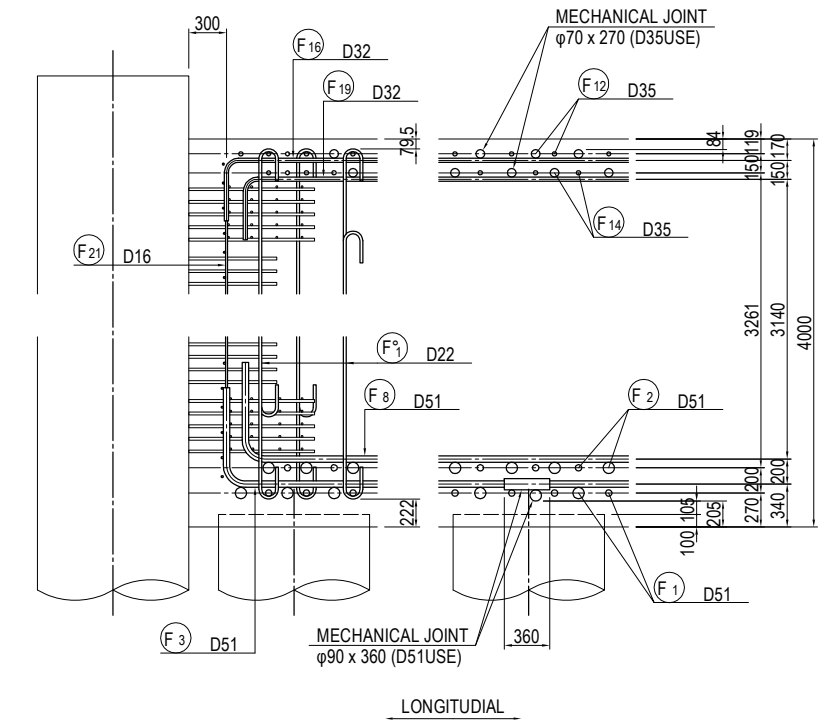
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P10 FOOTING (1) S=1:100

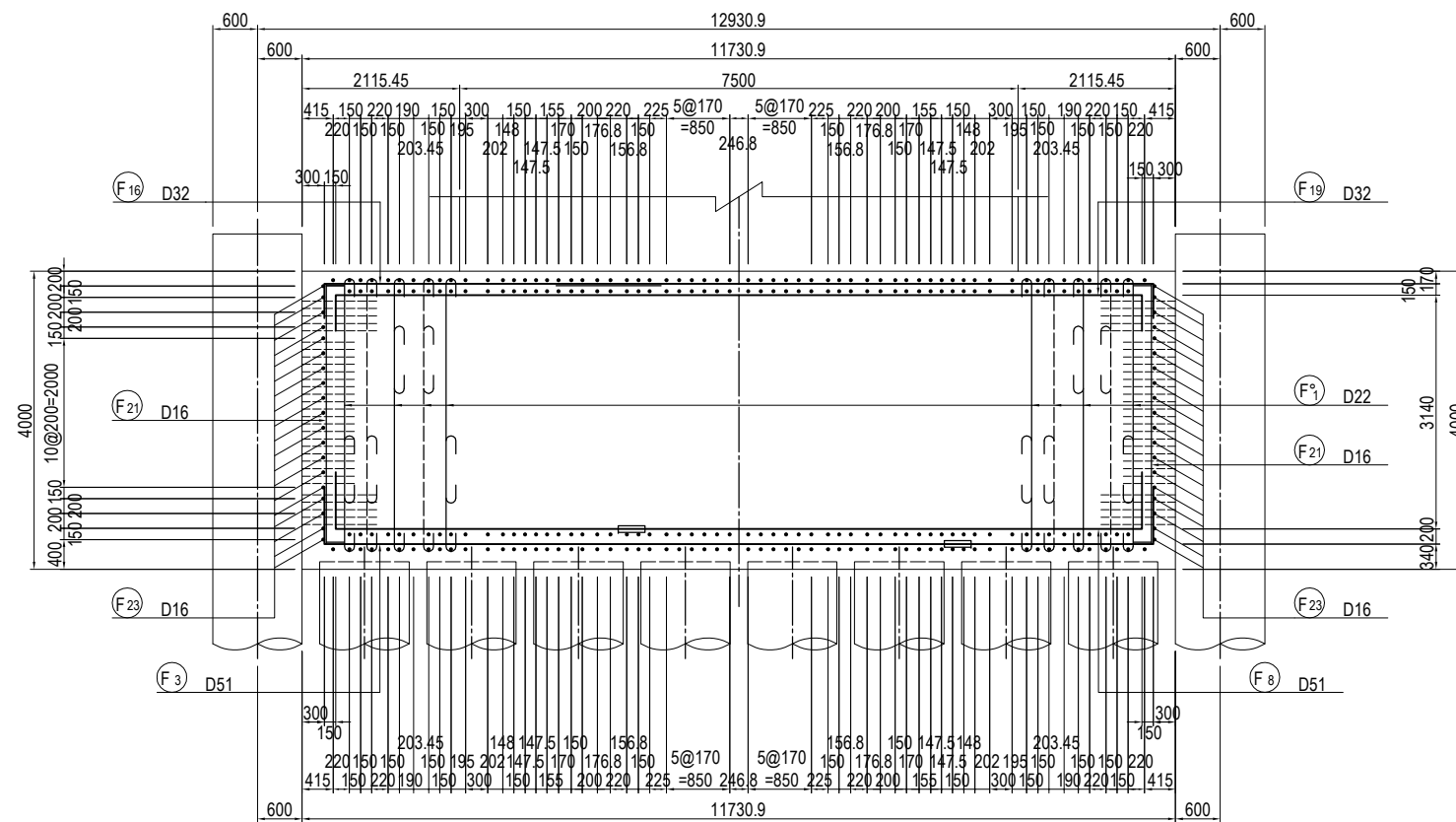
SECTION 1-1



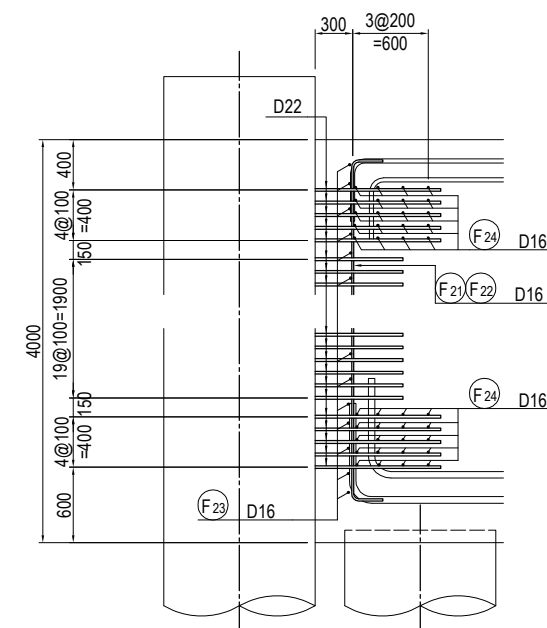
DETAIL OF PILE CAP S=1:60



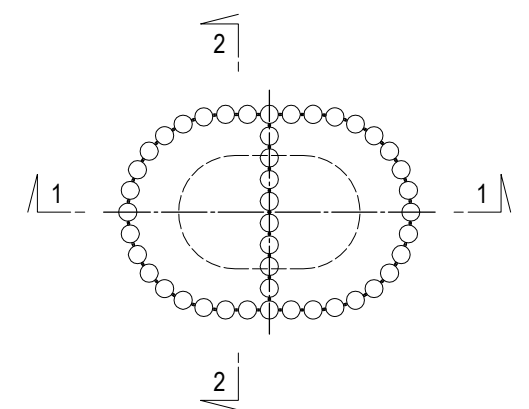
SECTION 2-2



DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:60



MARKING DIAGRAM



Note) : MECHANICAL JOINT

USE MATERIALS

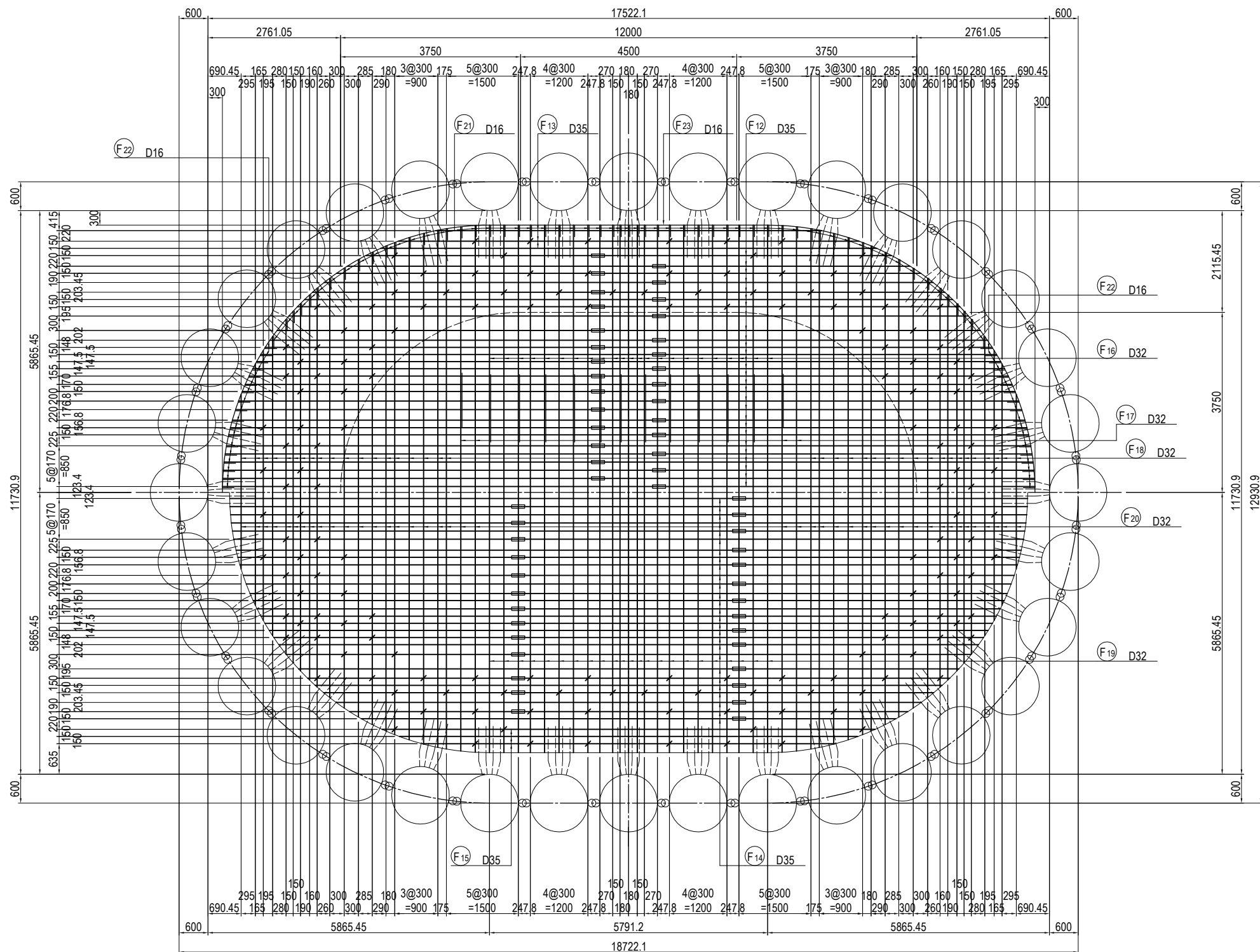
	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 FOOTING (1)	PACKAGE 1 DWG No. P1-CS-2033
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

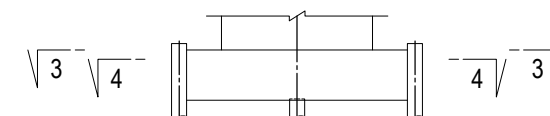
BAR ARRANGEMENT OF P10 FOOTING (2) S=1:100

PLAN 3-3

PLAN 4-4



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

Note) : MECHANICAL JOINT

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

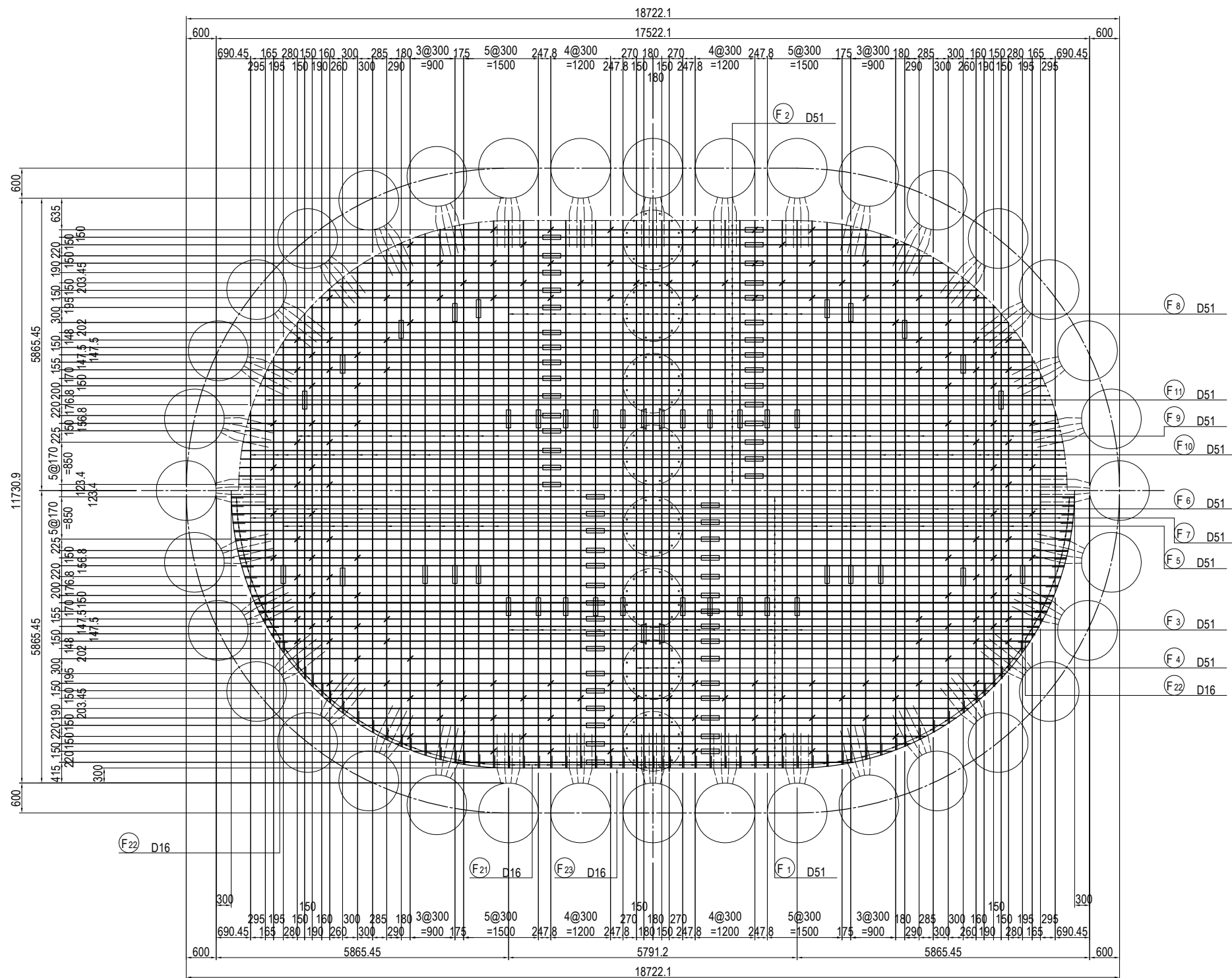
DRAWING TITLE
BAR ARRANGEMENT OF P10 FOOTING (2)

PACKAGE
1
DWG No.
P1-CS-2034

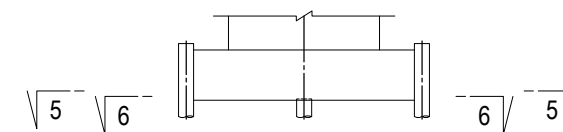
BAR ARRANGEMENT OF P10 FOOTING (3) S=1:100

PLAN 5-5

PLAN 6-6



MARKING DIAGRAM



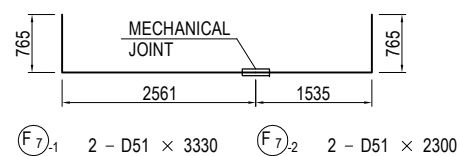
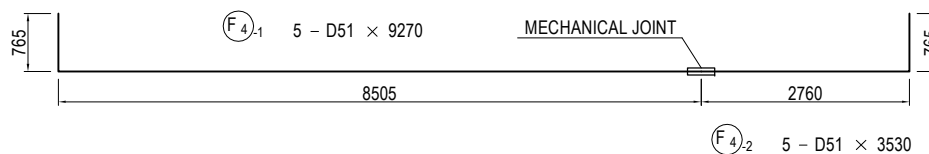
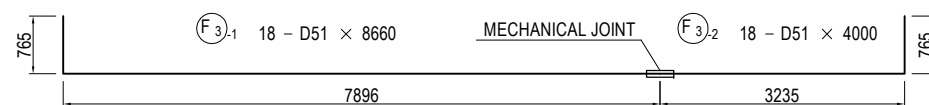
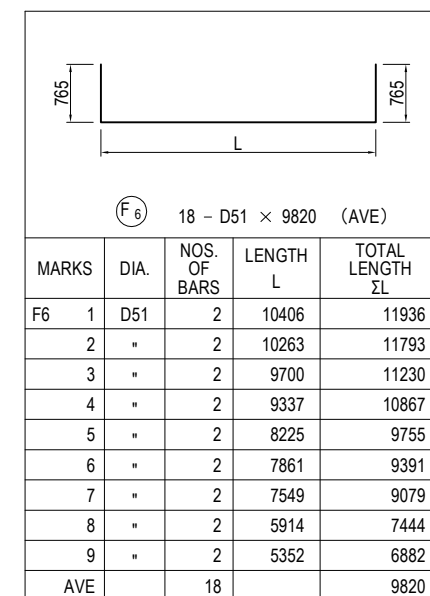
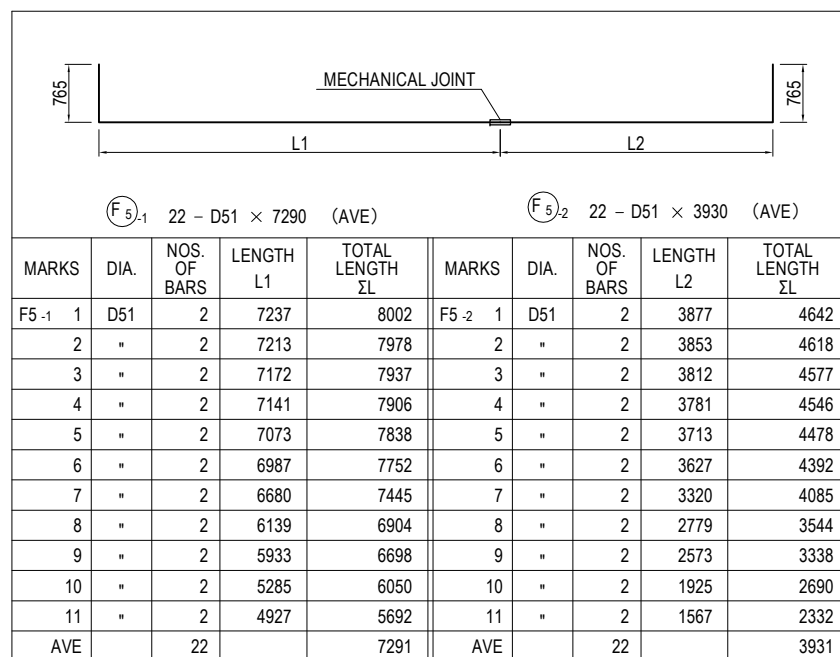
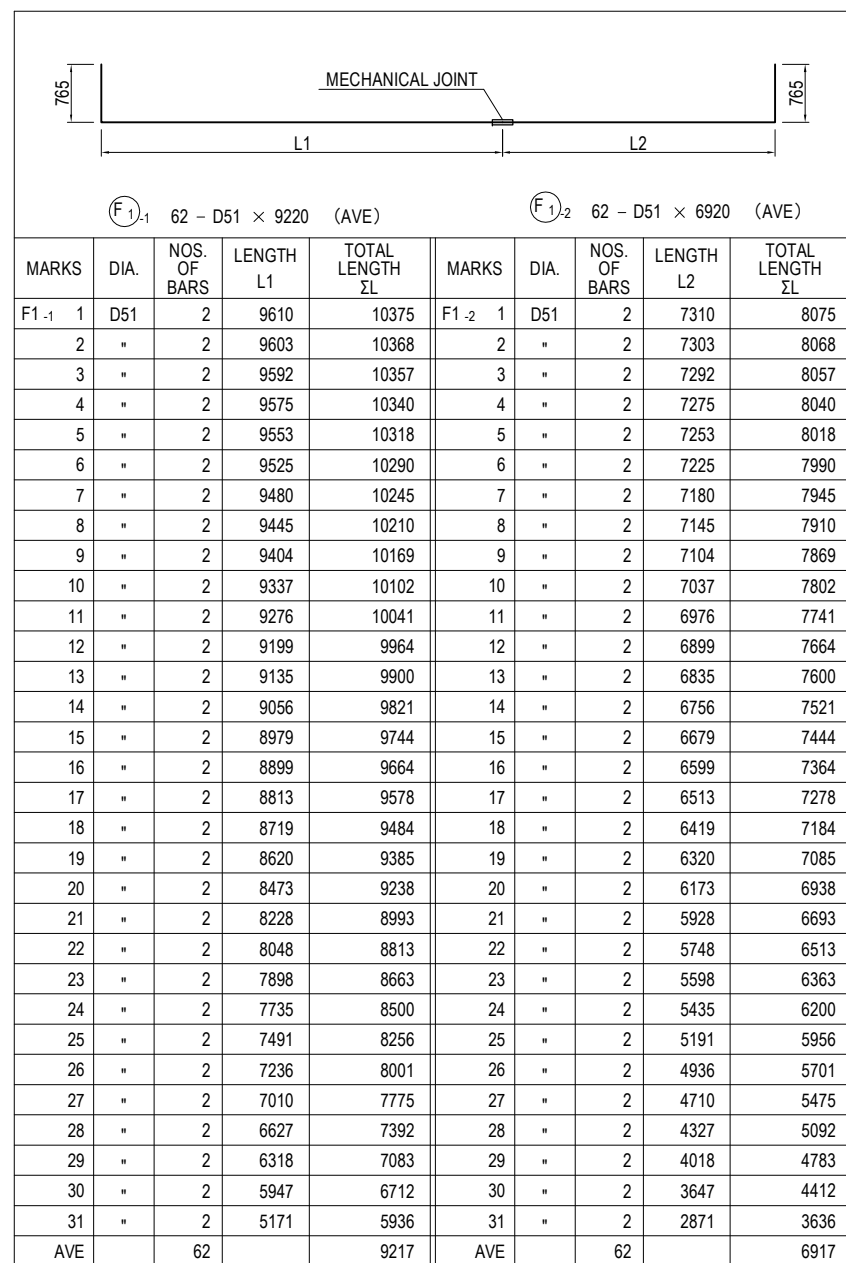
USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE DATE	DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P10 FOOTING (3)</h2>	PACKAGE 1 DWG No. P1-CS-2035
---	--	---	--	---	-------------------	--	---------------------------------------

BAR ARRANGEMENT OF P10 FOOTING (4) S=1:100

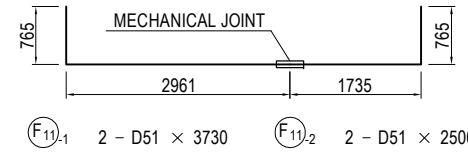
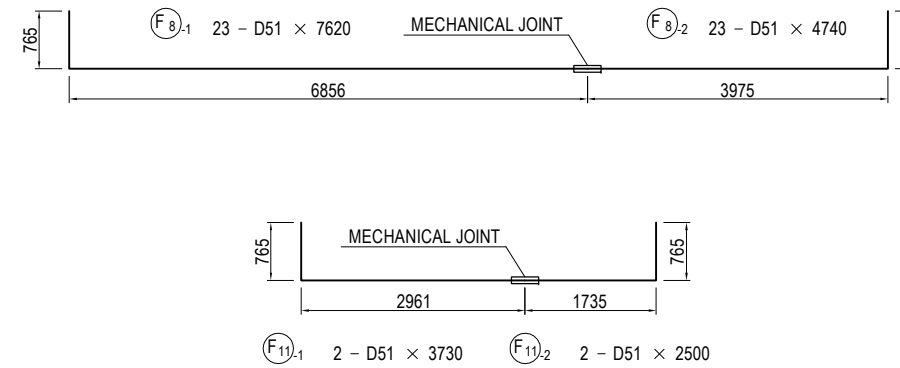
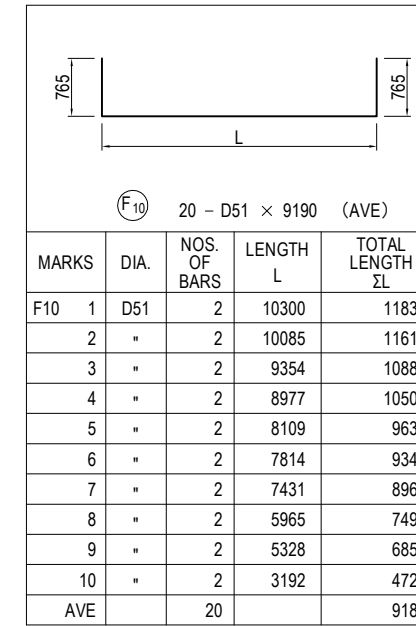
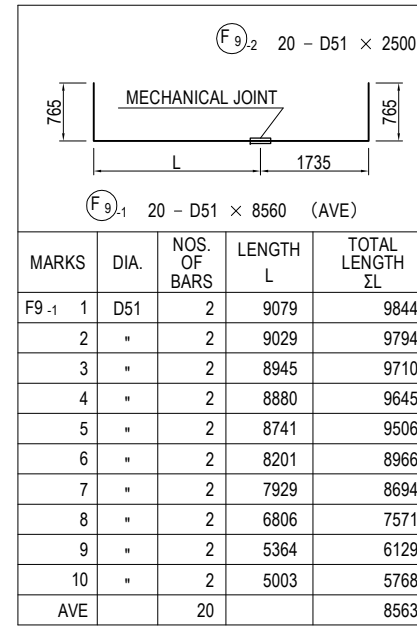
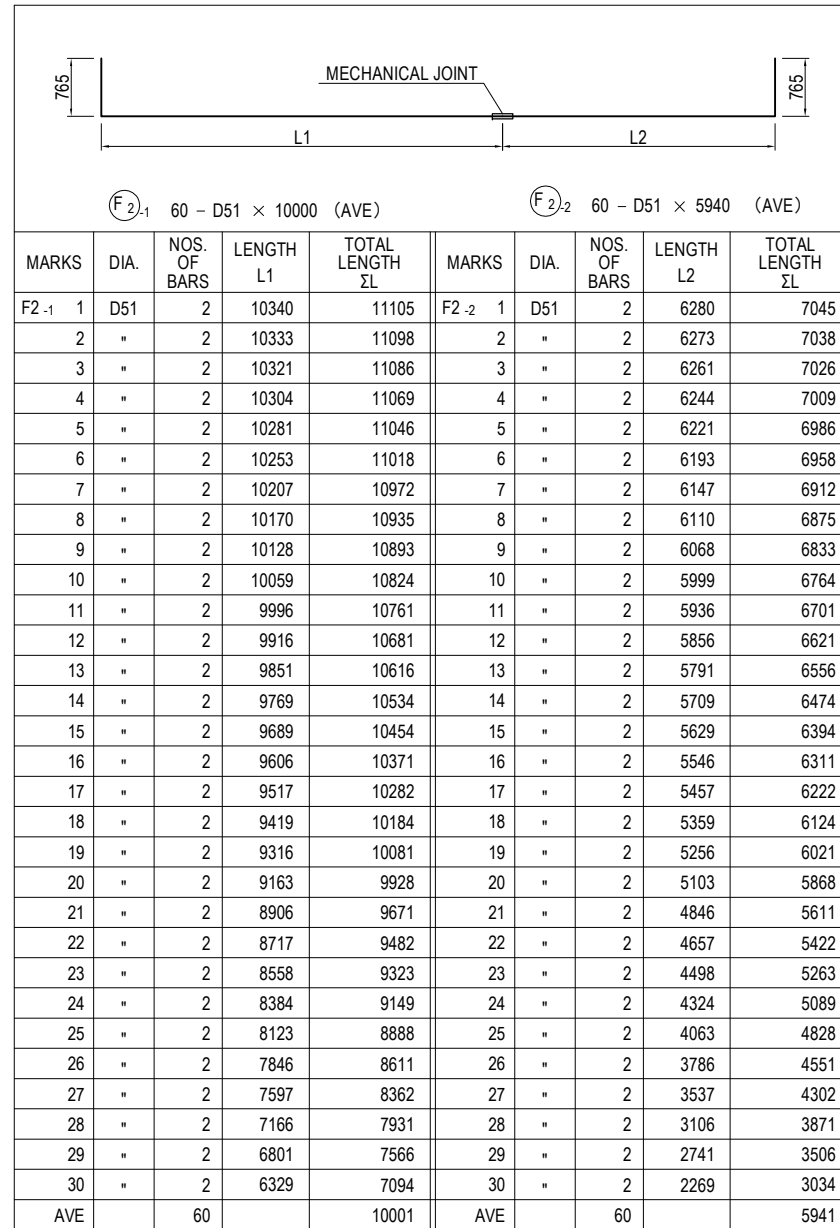


USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 FOOTING (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2036

BAR ARRANGEMENT OF P10 FOOTING (5) S=1:100

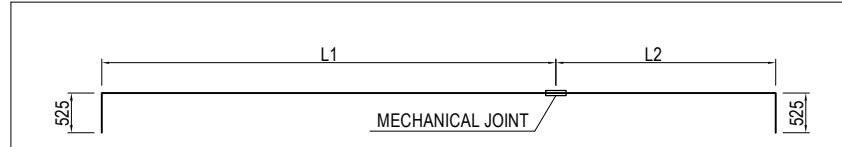


USE MATERIALS

FOOTING	CONCRETE σck = 24 N/mm ²	BAR SD345
---------	--	--------------

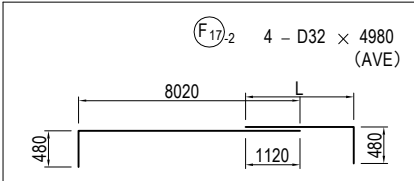
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P10 FOOTING (5)	<small>PACKAGE</small> 1 DWG No. P1-CS-2037
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P10 FOOTING (6) S=1:100



(F₁₂₋₁) 56 - D35 × 8750 (AVE) (F₁₂₋₂) 56 - D35 × 7480 (AVE)

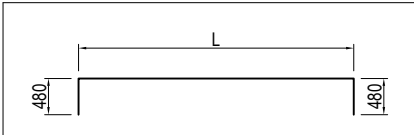
MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL
F12-1 1	D35	2	9095	9620	F12-2 1	D35	2	7825	8350
2	"	2	9088	9613	2	"	2	7818	8343
3	"	2	9077	9602	3	"	2	7807	8332
4	"	2	9060	9585	4	"	2	7790	8315
5	"	2	9038	9563	5	"	2	7768	8293
6	"	2	9010	9535	6	"	2	7740	8265
7	"	2	8965	9490	7	"	2	7695	8220
8	"	2	8930	9455	8	"	2	7660	8185
9	"	2	8889	9414	9	"	2	7619	8144
10	"	2	8822	9347	10	"	2	7552	8077
11	"	2	8761	9286	11	"	2	7491	8016
12	"	2	8684	9209	12	"	2	7414	7939
13	"	2	8620	9145	13	"	2	7350	7875
14	"	2	8541	9066	14	"	2	7271	7796
15	"	2	8464	8989	15	"	2	7194	7719
16	"	2	8384	8909	16	"	2	7114	7639
17	"	2	8298	8823	17	"	2	7028	7553
18	"	2	8204	8729	18	"	2	6934	7459
19	"	2	8105	8630	19	"	2	6835	7360
20	"	2	7958	8483	20	"	2	6688	7213
21	"	2	7713	8238	21	"	2	6443	6968
22	"	2	7533	8058	22	"	2	6263	6788
23	"	2	7383	7908	23	"	2	6113	6638
24	"	2	7220	7745	24	"	2	5950	6475
25	"	2	6976	7501	25	"	2	5706	6231
26	"	2	6721	7246	26	"	2	5451	5976
27	"	2	6495	7020	27	"	2	5225	5750
28	"	2	6112	6637	28	"	2	4842	5367
AVE		56		8745	AVE		56		7475



(F₁₇₋₂) 4 - D32 × 4980 (AVE)

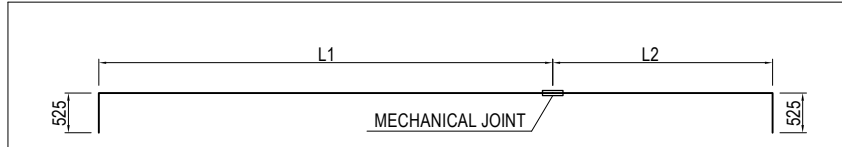
(F₁₇₋₁) 4 - D32 × 8500

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F17-2 1	D32	2	4215	4695
2	"	2	4166	4646
AVE		4		4671



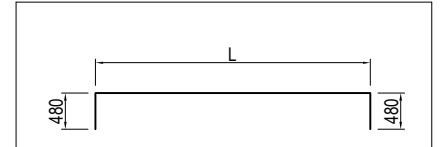
(F₁₈) 38 - D32 × 9550 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F18 1	D32	2	10984	11944
2	"	2	10921	11881
3	"	2	10786	11746
4	"	2	10615	11575
5	"	2	10406	11366
6	"	2	10263	11223
7	"	2	9999	10959
8	"	2	9700	10660
9	"	2	9337	10297
10	"	2	8919	9879
11	"	2	8506	9466
12	"	2	8225	9185
13	"	2	7861	8821
14	"	2	7549	8509
15	"	2	7210	8170
16	"	2	6494	7454
17	"	2	5914	6874
18	"	2	5352	6312
19	"	2	4096	5056
AVE		38		9546



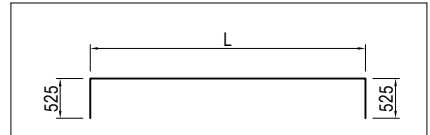
(F₁₄₋₁) 54 - D35 × 10310 (AVE) (F₁₄₋₂) 54 - D35 × 5710 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL
F14-1 1	D35	2	10610	11135	F14-2 1	D35	2	6010	6535
2	"	2	10603	11128	2	"	2	6003	6528
3	"	2	10591	11116	3	"	2	5991	6516
4	"	2	10574	11099	4	"	2	5974	6499
5	"	2	10551	11076	5	"	2	5951	6476
6	"	2	10523	11048	6	"	2	5923	6448
7	"	2	10477	11002	7	"	2	5877	6402
8	"	2	10440	10965	8	"	2	5840	6365
9	"	2	10398	10923	9	"	2	5798	6323
10	"	2	10329	10854	10	"	2	5729	6254
11	"	2	10266	10791	11	"	2	5666	6191
12	"	2	10186	10711	12	"	2	5586	6111
13	"	2	10121	10646	13	"	2	5521	6046
14	"	2	10039	10564	14	"	2	5439	5964
15	"	2	9959	10484	15	"	2	5359	5884
16	"	2	9876	10401	16	"	2	5276	5801
17	"	2	9787	10312	17	"	2	5187	5712
18	"	2	9689	10214	18	"	2	5089	5614
19	"	2	9586	10111	19	"	2	4986	5511
20	"	2	9433	9958	20	"	2	4833	5358
21	"	2	9176	9701	21	"	2	4576	5101
22	"	2	8987	9512	22	"	2	4387	4912
23	"	2	8828	9353	23	"	2	4228	4753
24	"	2	8654	9179	24	"	2	4054	4579
25	"	2	8393	8918	25	"	2	3793	4318
26	"	2	8116	8641	26	"	2	3516	4041
27	"	2	7867	8392	27	"	2	3267	3792
AVE		54		10305	AVE		54		5705



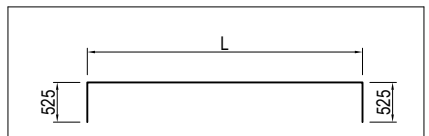
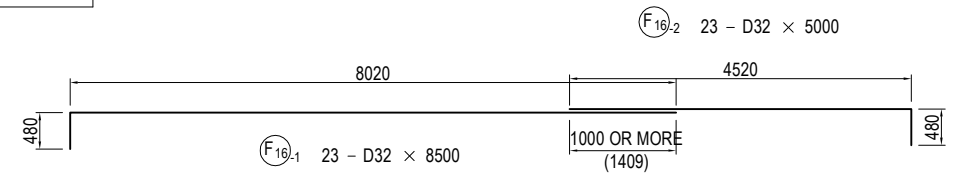
(F₂₀) 42 - D32 × 9370 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F20 1	D32	2	10814	11774
2	"	2	10764	11724
3	"	2	10680	11640
4	"	2	10615	11575
5	"	2	10476	11436
6	"	2	10300	11260
7	"	2	10085	11045
8	"	2	9936	10896
9	"	2	9664	10624
10	"	2	9354	10314
11	"	2	8977	9937
12	"	2	8541	9501
13	"	2	8109	9069
14	"	2	7814	8774
15	"	2	7431	8391
16	"	2	7099	8059
17	"	2	6738	7698
18	"	2	5965	6925
19	"	2	5328	6288
20	"	2	4696	5656
21	"	2	3192	4152
AVE		42		9368



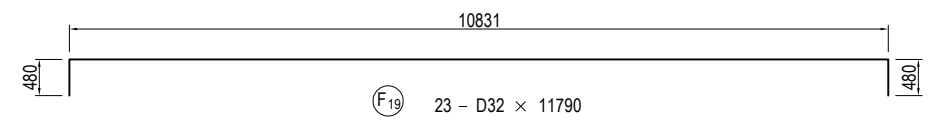
(F₁₃) 6 - D35 × 10370 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F13 1	D35	2	10336	11386
2	"	2	9595	10645
3	"	2	8042	9092
AVE		6		10374



(F₁₅) 6 - D35 × 10520 (AVE)

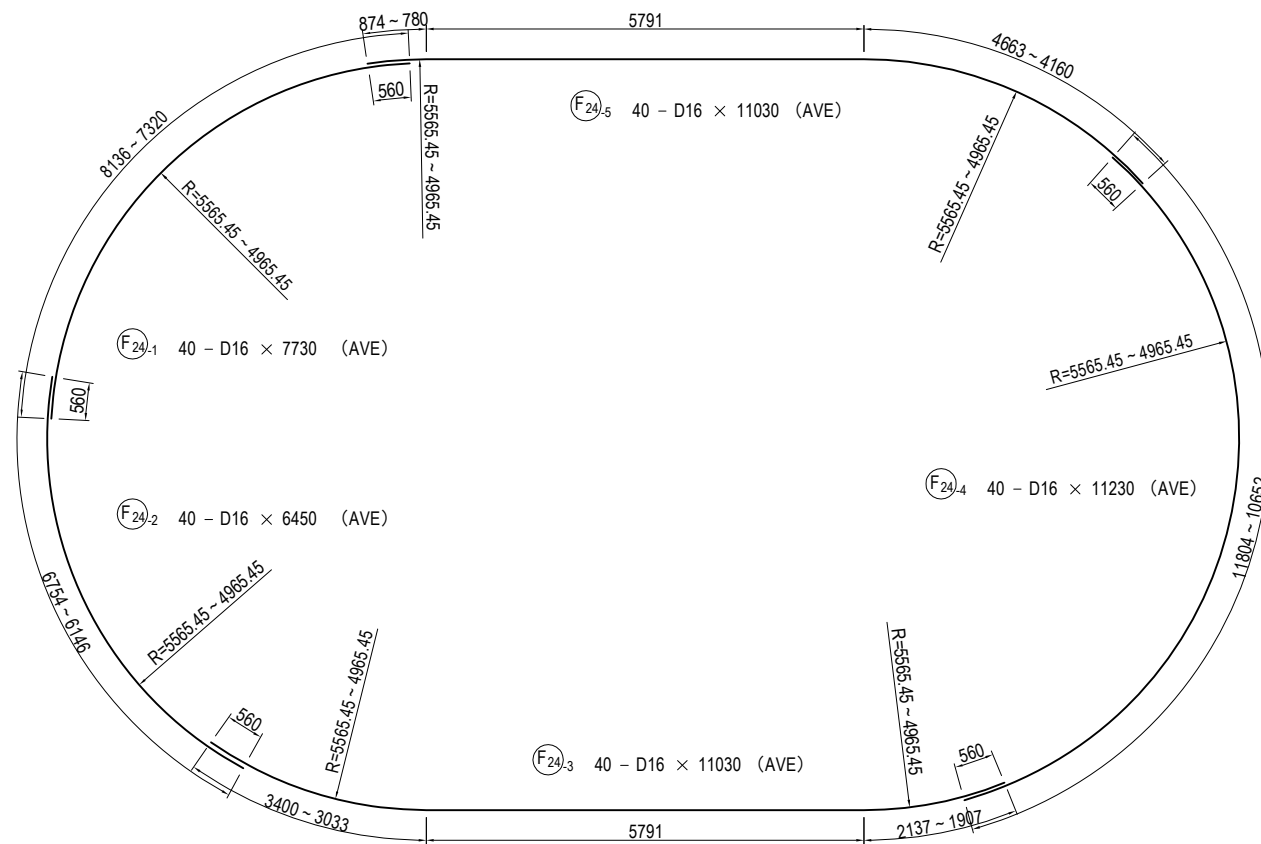
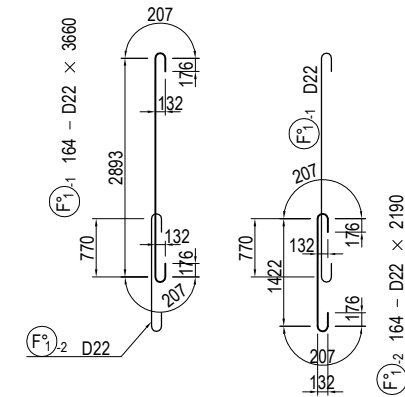
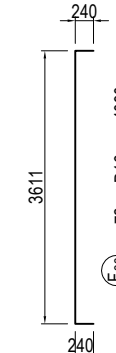
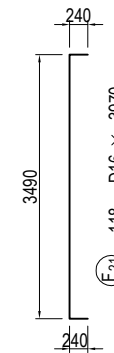
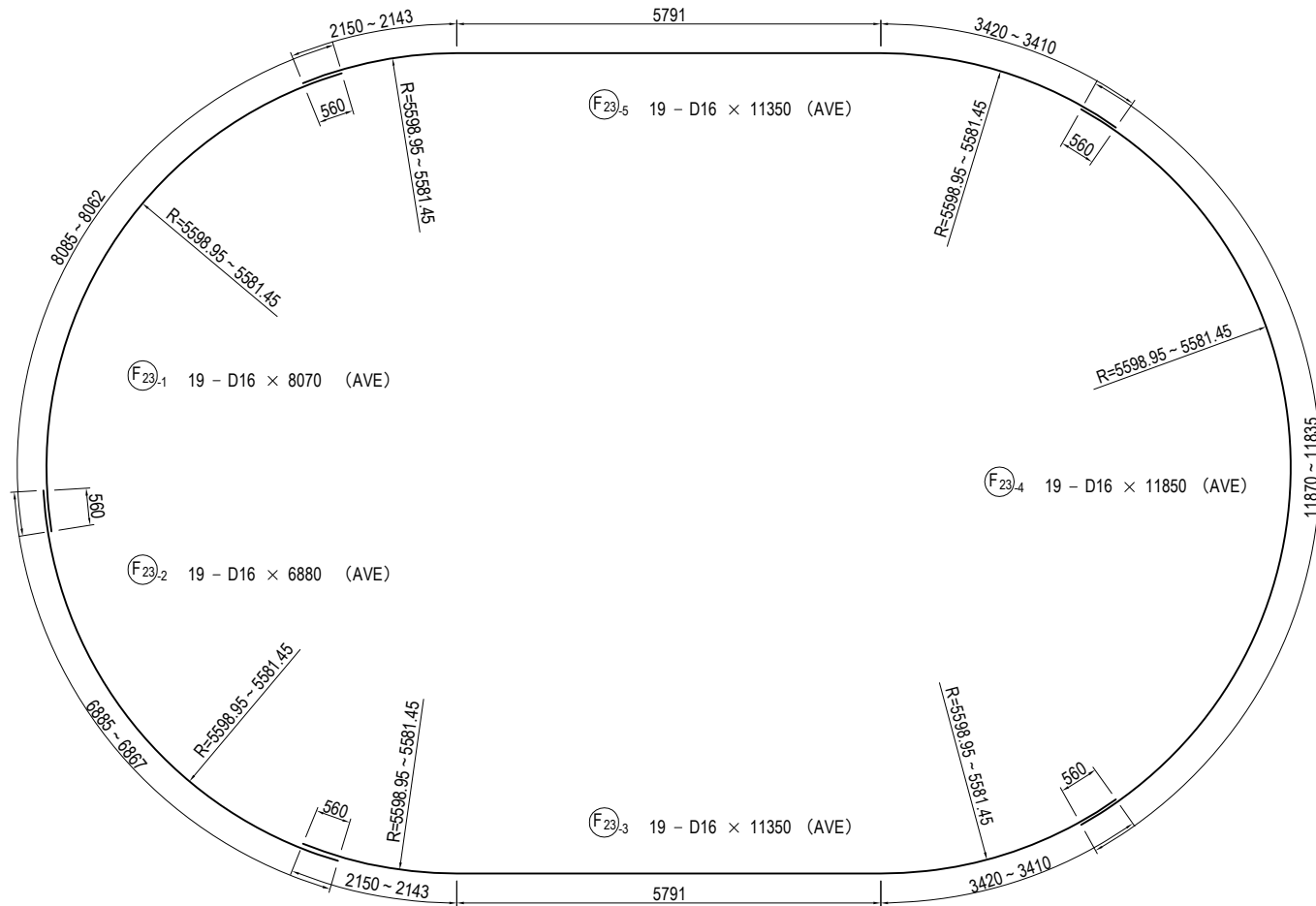
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F15 1	D35	2	10271	11321
2	"	2	9541	10591
3	"	2	8598	9648
AVE		6		10520



USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

BAR ARRANGEMENT OF P10 FOOTING (7) S=1:100



Note) The joint position of the reinforcing bar is rotated 180 degrees for each step arranged.

USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 FOOTING (7)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2039

BAR ARRANGEMENT OF P10 FOOTING (8) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 1-1	D51	9220	62	15.9	146.60	9089	← (62) (AVE)
1-2	"	6920	62	"	110.03	6822	← (AVE)
2-1	"	10000	60	"	159.00	9540	← (60) (AVE)
2-2	"	5940	60	"	94.45	5667	← (AVE)
3-1	"	8660	18	"	137.69	2478	← (18)
3-2	"	4000	18	"	63.60	1145	←
4-1	"	9270	5	"	147.39	737	← (5)
4-2	"	3530	5	"	56.13	281	←
5-1	"	7290	22	"	115.91	2550	← (22) (AVE)
5-2	"	3930	22	"	62.49	1375	← (AVE)
6	"	9820	18	"	156.14	2811	← (AVE)
7-1	"	3330	2	"	52.95	106	← (2)
7-2	"	2300	2	"	36.57	73	←
8-1	"	7620	23	"	121.16	2787	← (23)
8-2	"	4740	23	"	75.37	1734	←
9-1	"	8560	20	"	136.10	2722	← (20) (AVE)
9-2	"	2500	20	"	39.75	795	←
10	"	9190	20	"	146.12	2922	← (AVE)
11-1	"	3730	2	"	59.31	119	← (2)
11-2	"	2500	2	"	39.75	80	←
12-1	D35	8750	56	7.51	65.71	3680	← (56) (AVE)
12-2	"	7480	56	"	56.17	3146	← (AVE)
13	"	10370	6	"	77.88	467	← (6) (AVE)
14-1	"	10310	54	"	77.43	4181	← (54) (AVE)
14-2	"	5710	54	"	42.88	2316	← (AVE)
15	"	10520	6	"	79.01	474	← (AVE)
16-1	D32	8500	23	6.23	52.96	1218	←
16-2	"	5000	23	"	31.15	716	←
17-1	"	8500	4	"	52.96	212	←
17-2	"	4980	4	"	31.03	124	← (AVE)
18	"	9550	38	"	59.50	2261	← (AVE)
19	"	11790	23	"	73.45	1689	"
20	"	9370	42	"	58.38	2452	" (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 21	D16	3970	118	1.56	6.19	730	┌
22	"	4090	72	"	6.38	459	"
23-1	"	8070	19	"	12.59	239	└ (AVE)
23-2	"	6880	19	"	10.73	204	└ (AVE)
23-3	"	11350	19	"	17.71	336	└ (AVE)
23-4	"	11850	19	"	18.49	351	└ (AVE)
23-5	"	11350	19	"	17.71	336	└ (AVE)
24-1	"	7730	40	"	12.06	482	└ (AVE)
24-2	"	6450	40	"	10.06	402	└ (AVE)
24-3	"	11030	40	"	17.21	688	└ (AVE)
24-4	"	11230	40	"	17.52	701	└ (AVE)
24-5	"	11030	40	"	17.21	688	└ (AVE)
SUBTOTAL						82385 kg	
F° 1-1	D22	3660	164	3.04	11.13	1825	└
1-2	"	2190	164	"	6.66	1092	"
SUBTOTAL						2917 kg	
(MECHANICAL JOINT)							
				D51	53833 kg	(214)	
				D35	14264 "	(110)	
				D32	8672 "		
				D22	2917 "		
				D16	5616 "		
				TOTAL	85302 kg	(324)	

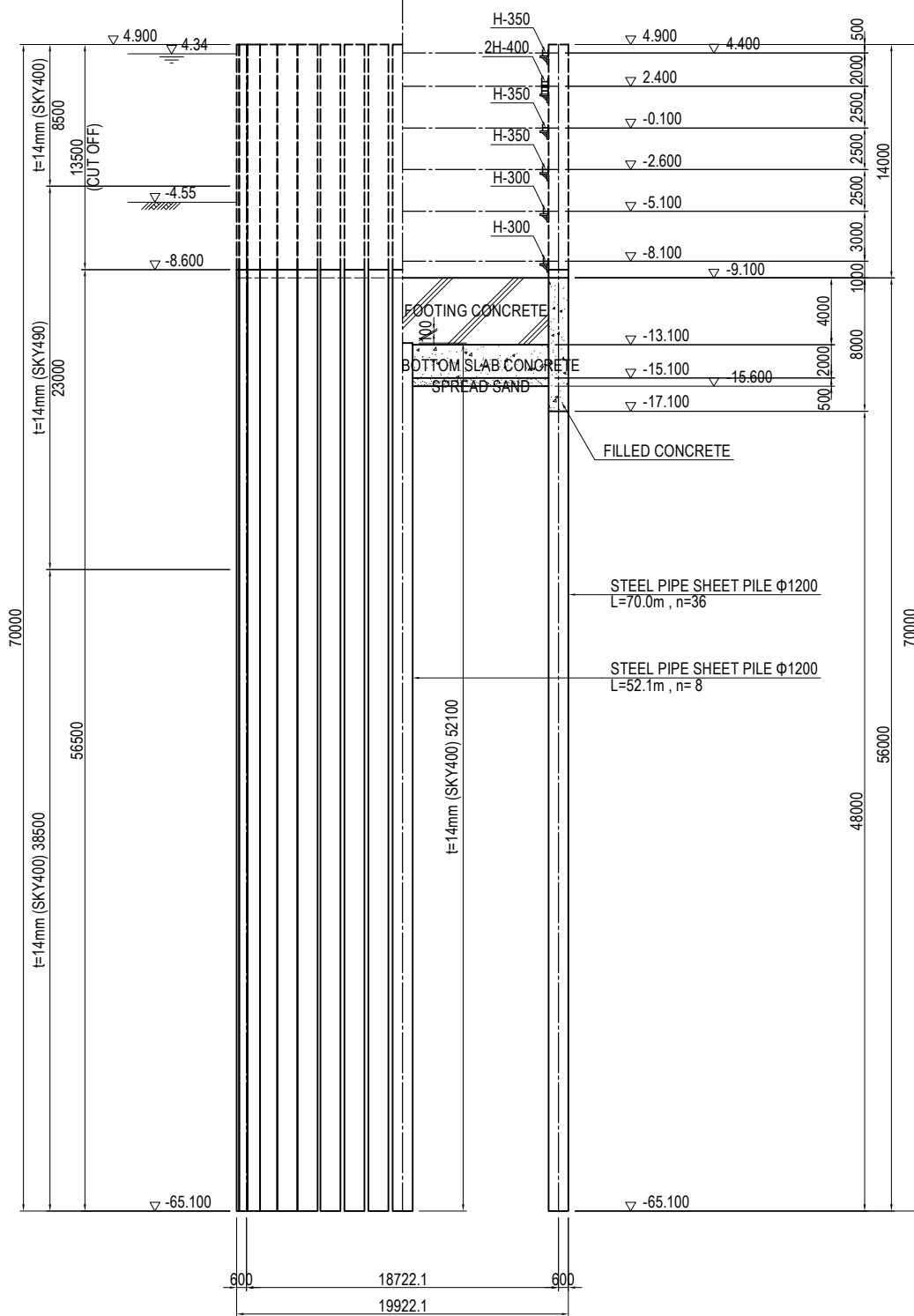
USE MATERIALS

FOOTING	CONCRETE σck = 24 N/mm ²	BAR SD345
---------	--	--------------

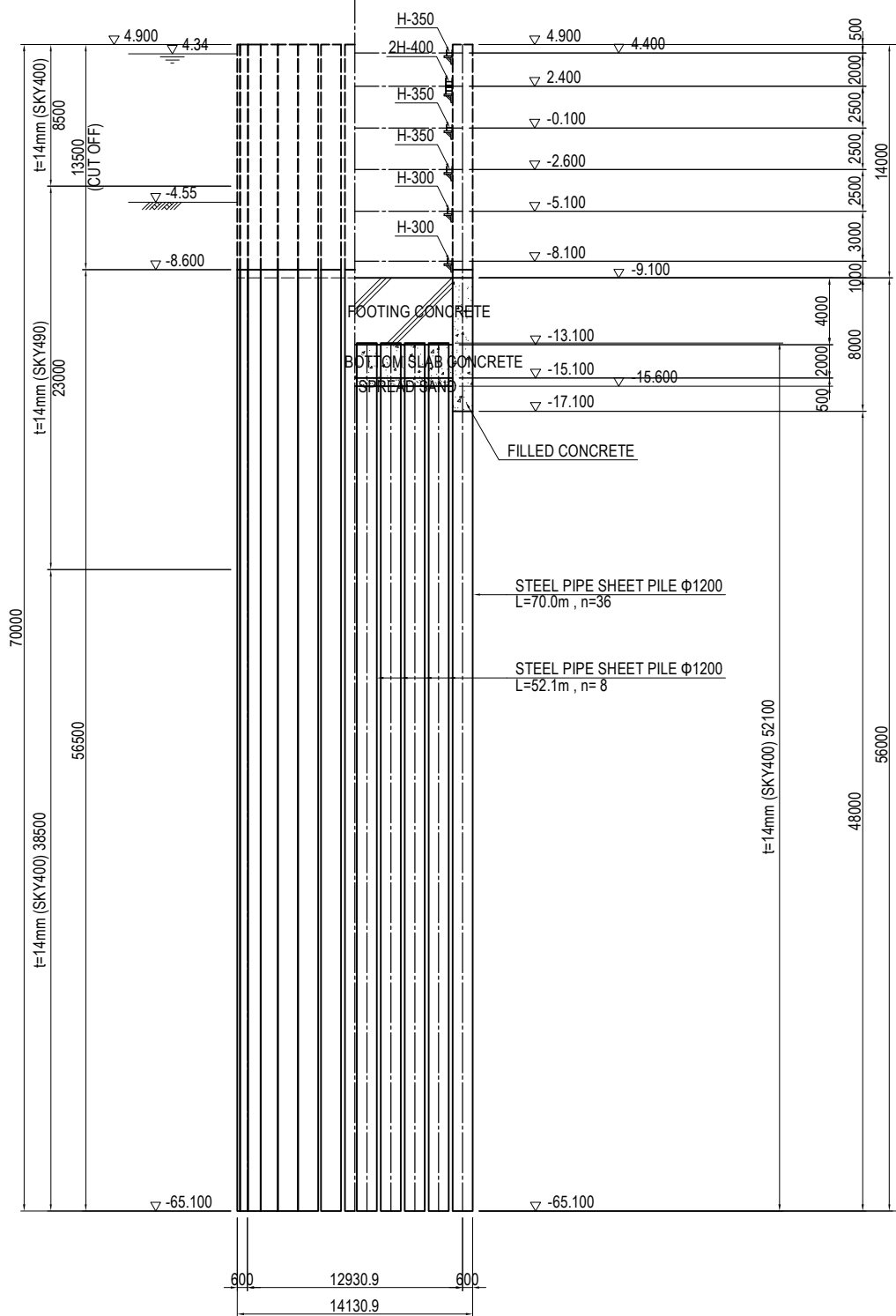
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P10 FOOTING (8)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2040

GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P10 PIER S=1:400

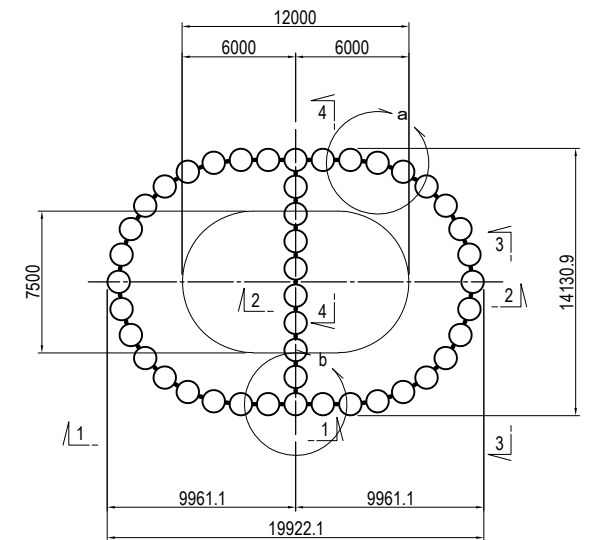
FRONT ELEVATION
1-1 2-2



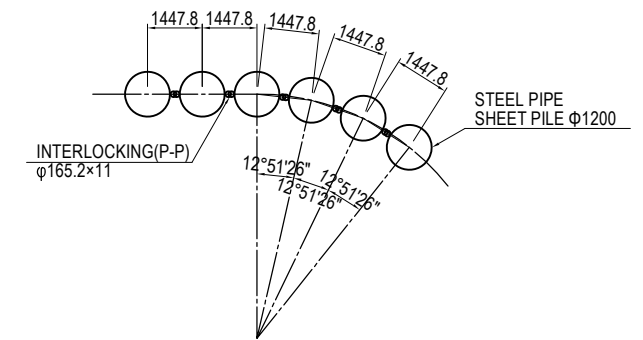
SIDE ELEVATION
3-3 4-4



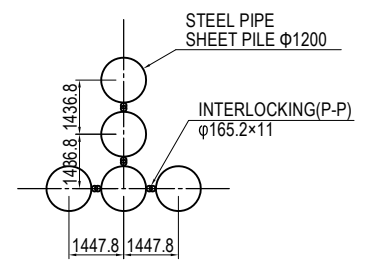
PLAN



DETAIL a S=1:200



DETAIL b S=1:200



USE MATERIALS

	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

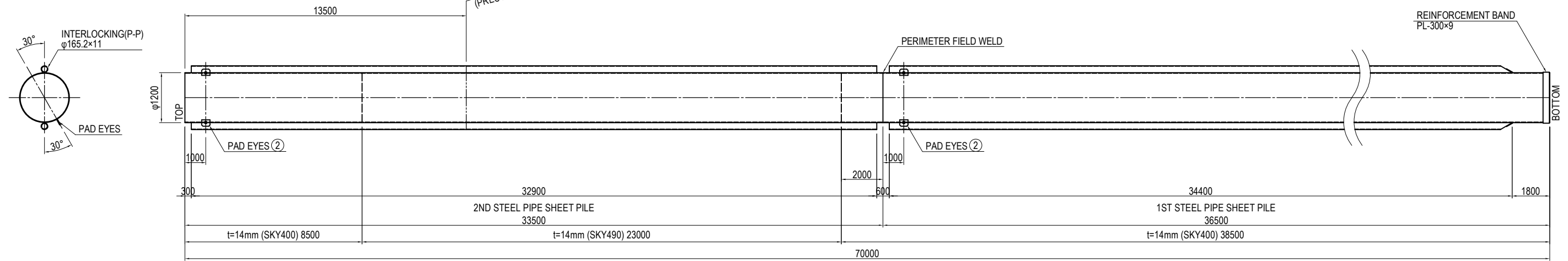
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P10 PIER	PACKAGE 1 DWG No. P1-CS-2041
---	--	---	--	--	-------------------	---	---------------------------------------

DETAIL OF STEEL PIPE SHEET PILE OF P10 PIER (1)

CROSS SECTION S=1:200

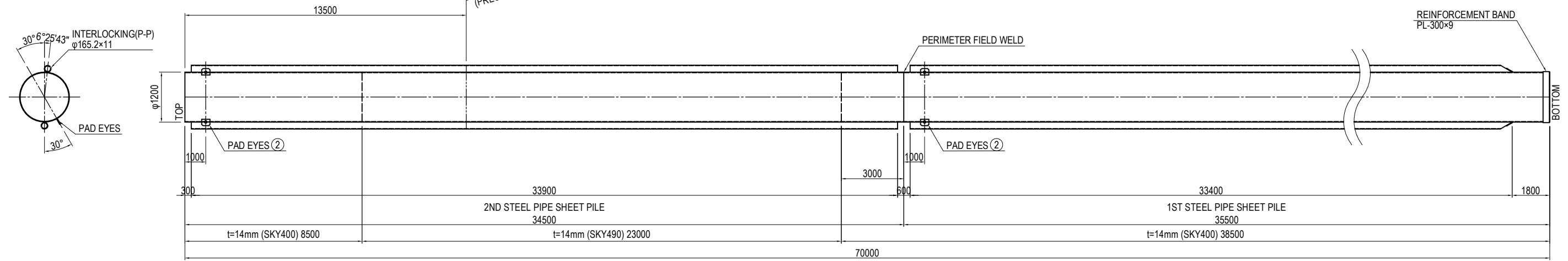
SIDE ELEVATION Sv=1:100
Sh=1:200

TYPE A

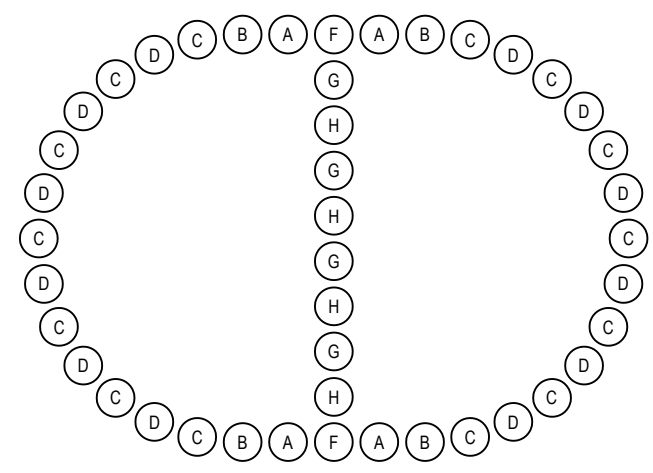


CROSS SECTION S=1:200

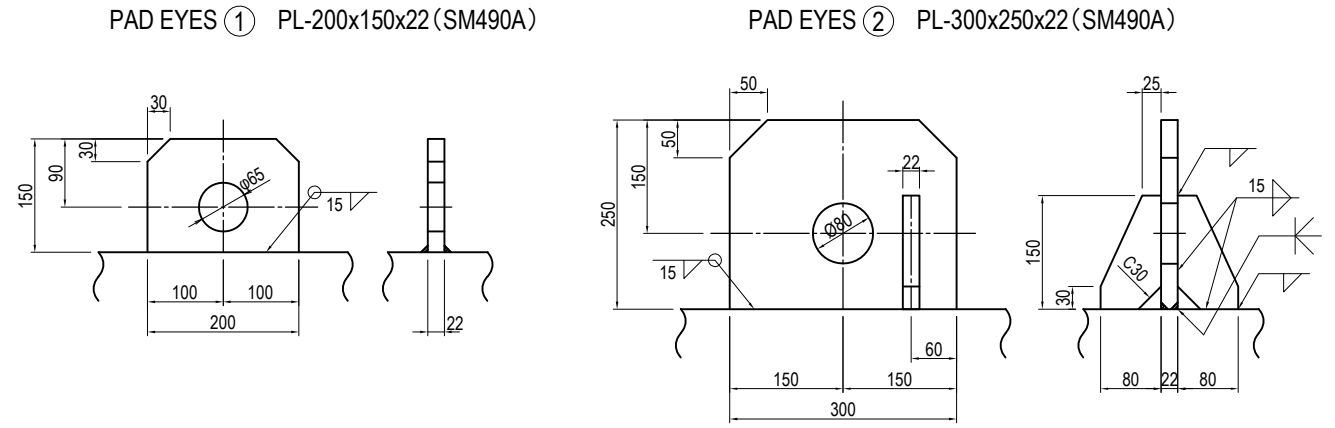
TYPE B



STEEL PIPE SHEET PILE TYPE AND POSITION



DETAIL OF EYES S=1:10



Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

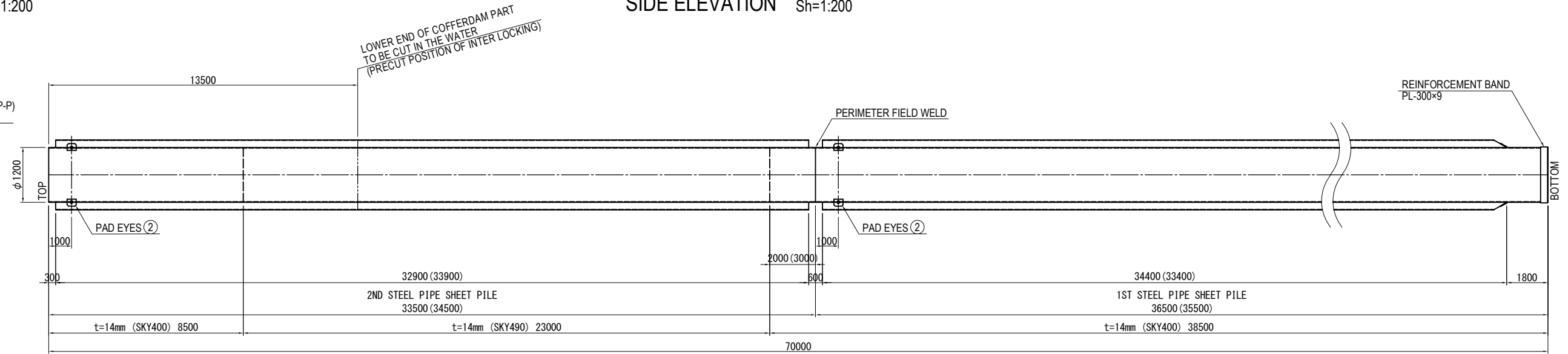
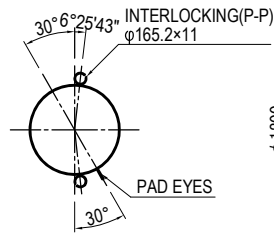
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P10 PIER (1)	PACKAGE 1 DWG No. P1-CS-2042
				PREPARED BY				
				CHECKED BY				
				APPROVED BY				

DETAIL OF STEEL PIPE SHEET PILE OF P10 PIER (2)

CROSS SECTION S=1:200

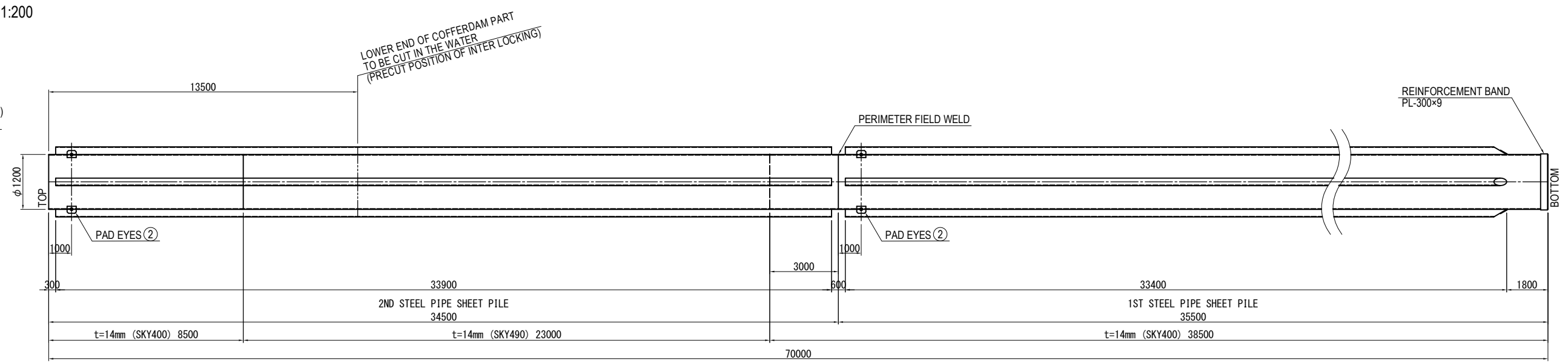
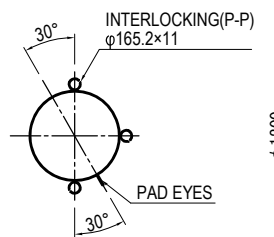
SIDE ELEVATION Sv=1:100 Sh=1:200

**TYPE C
(TYPE D)**



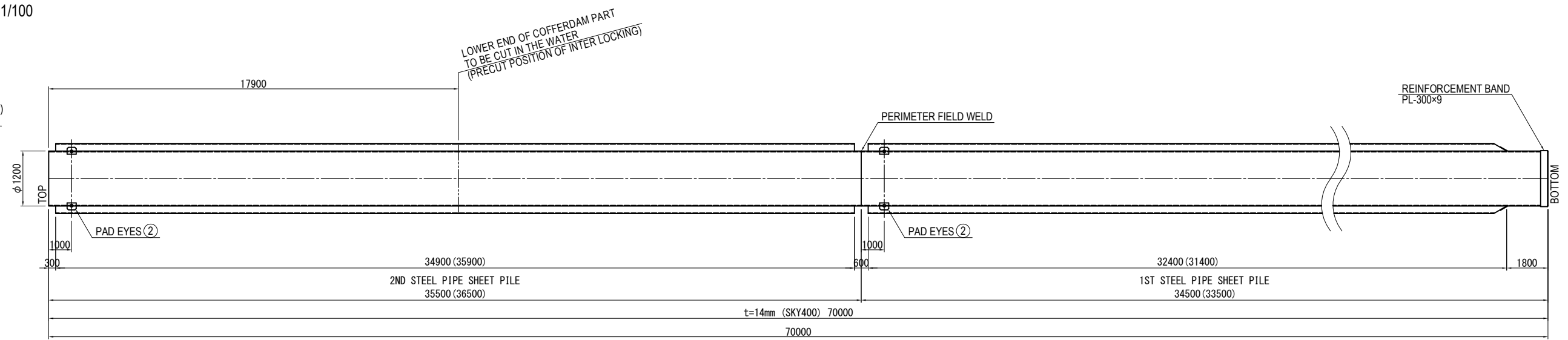
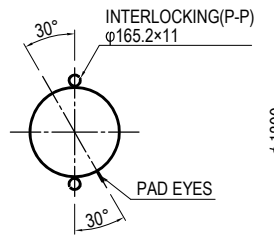
CROSS SECTION S=1:200

TYPE F



CROSS SECTION S=1/100

**TYPE G
(TYPE H)**

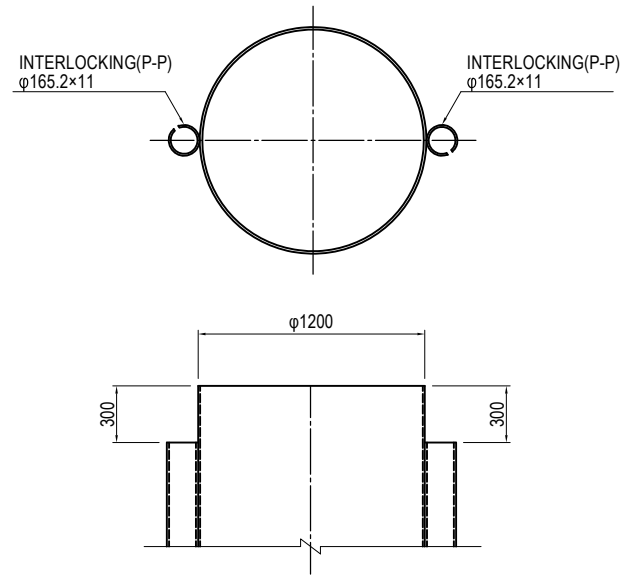


Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

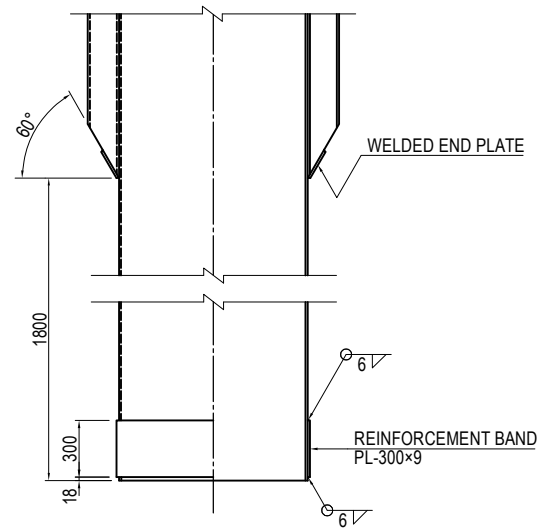
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P10 PIER (2)	PACKAGE 1 DWG No. P1-CS-2043
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P10 PIER

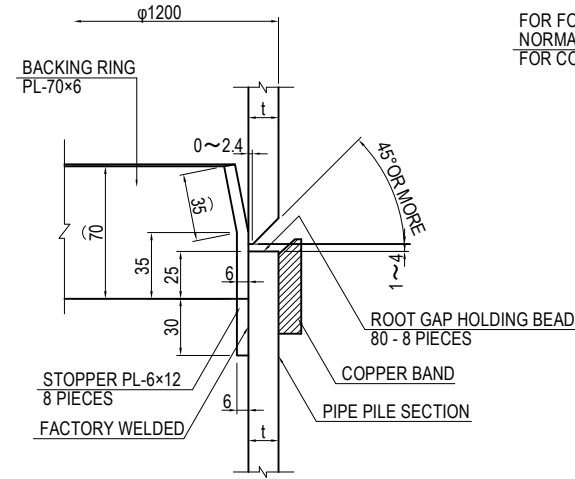
DETAIL OF STEEL PIPE SHEET PILE TOP S=1:40



DETAIL OF STEEL PIPE SHEET PILE TOE S=1:40

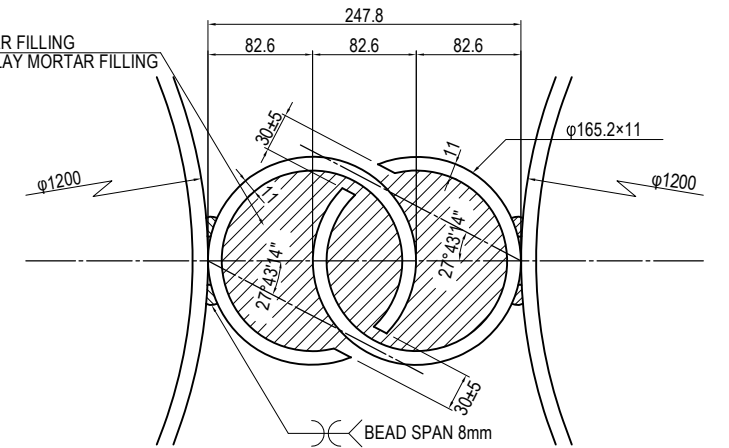


DETAIL OF PERIMETER FIELD WELDING OF STEEL PIPE SHEET PILE S=1:4



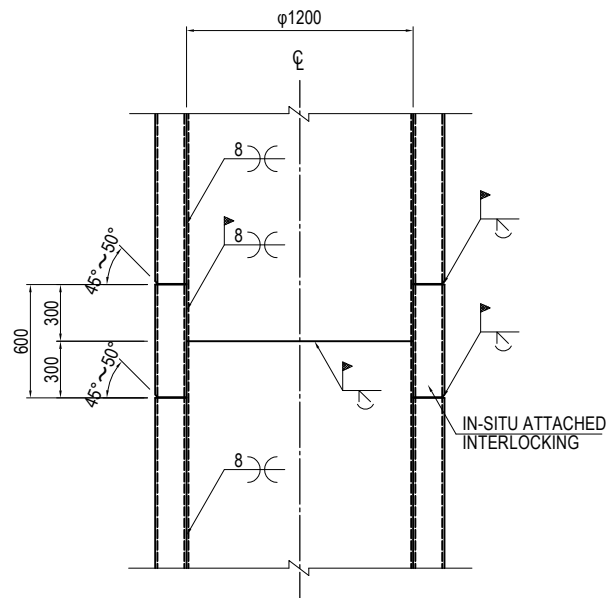
FOR FOUNDATION PART :
NORMAL STRENGTH MORTAR FILLING
FOR COFFERDAM PART : CLAY MORTAR FILLING

DETAIL OF CONNECTED INTERLOCKING(P-P) S=1:6

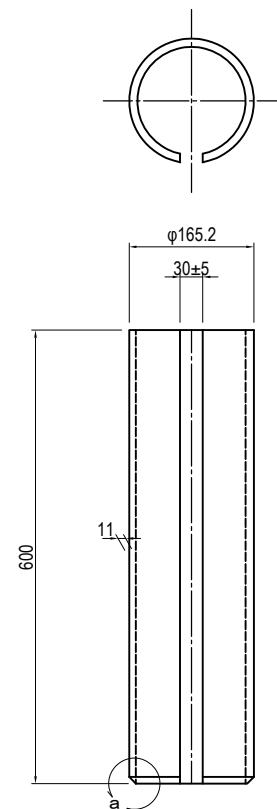


TREATMENT OF STEEL PIPE SHEET PILE INTERLOCKING

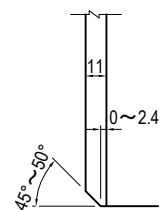
DETAIL OF IN-SITU LONGITUDINAL WELDING PART S=1:40



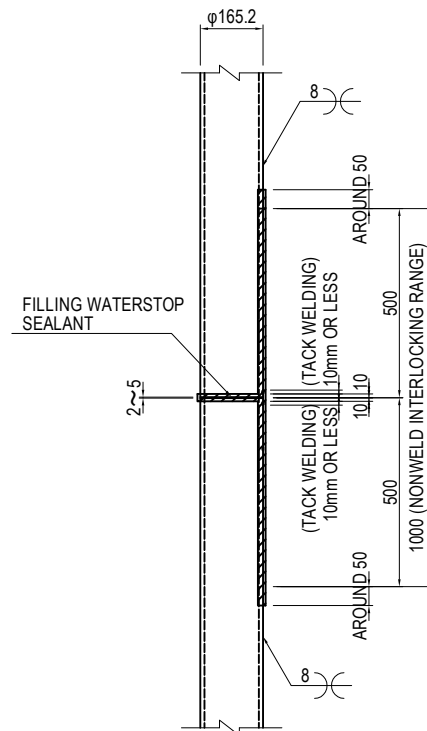
DETAIL OF IN-SITU ATTACHED INTERLOCKING S=1:10



DETAIL a

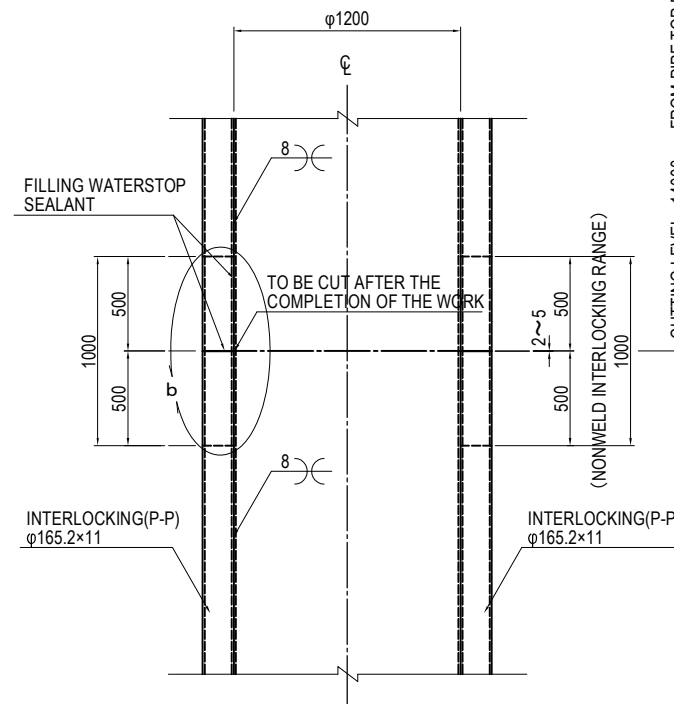


DETAIL b

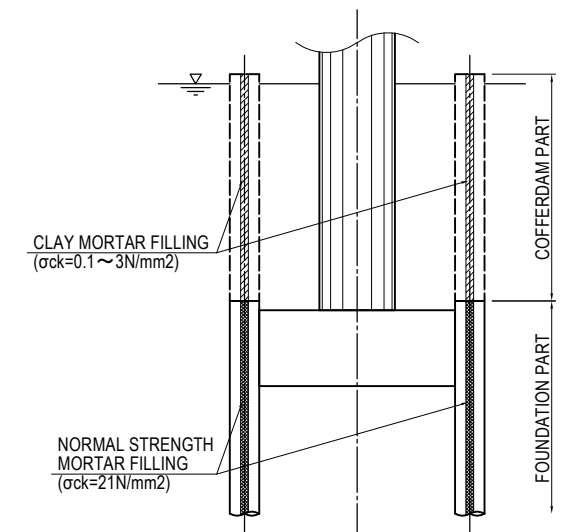


CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

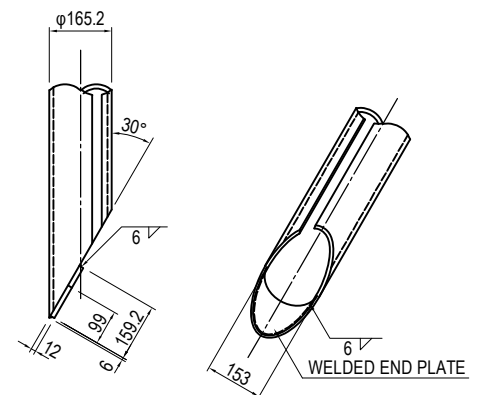
DETAIL OF PRECUT INTERLOCKING S=1:40



CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

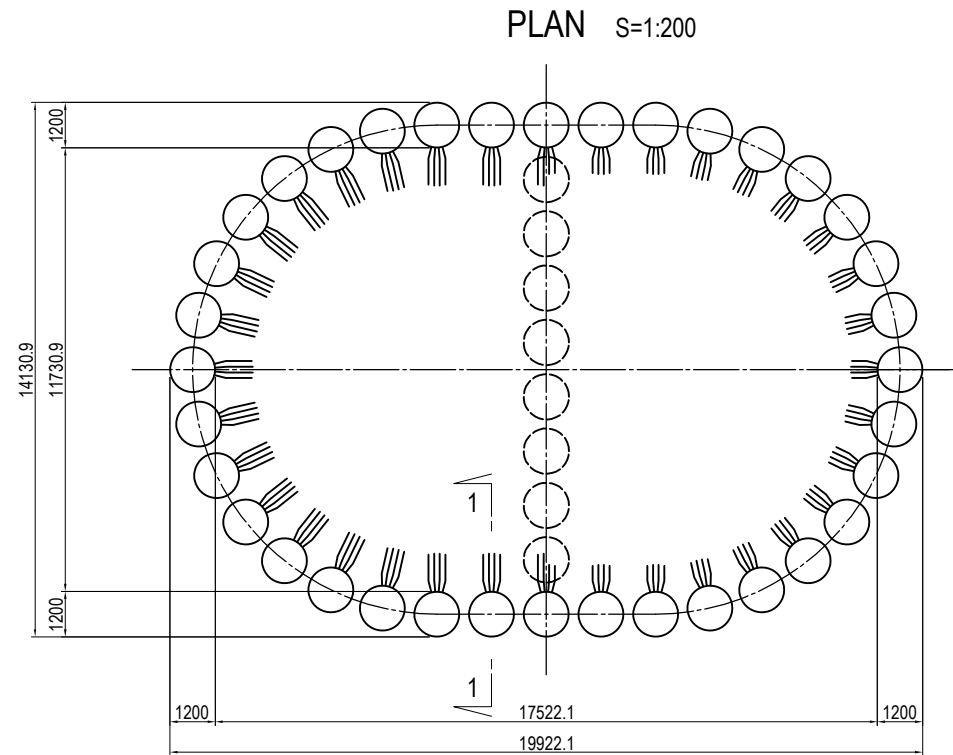


DETAIL OF INTERLOCKING TOE S=1:20

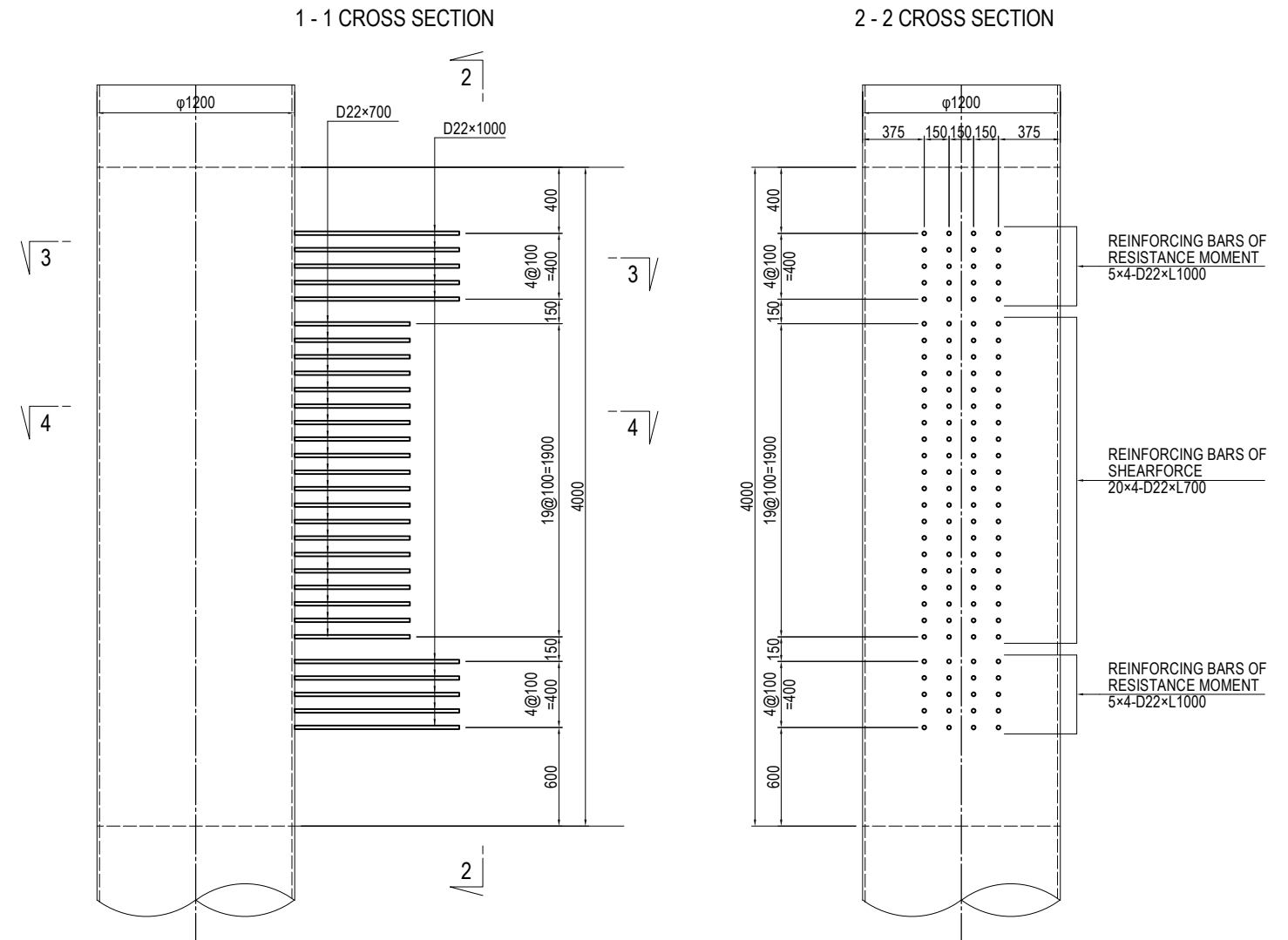


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P10 PIER	PACKAGE 1 DWG No. P1-CS-2044
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

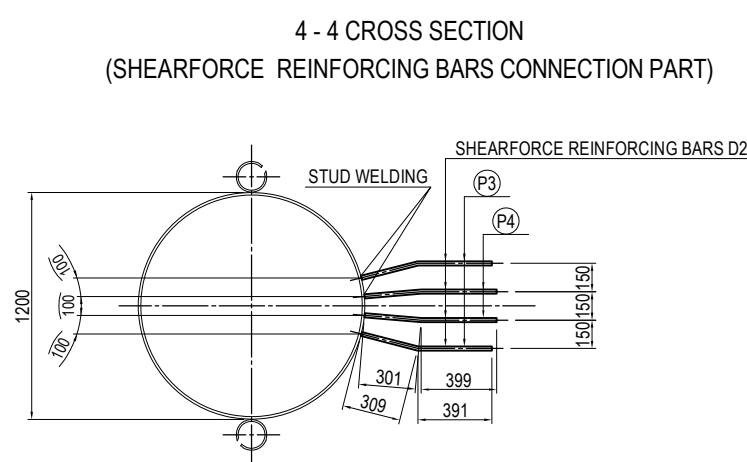
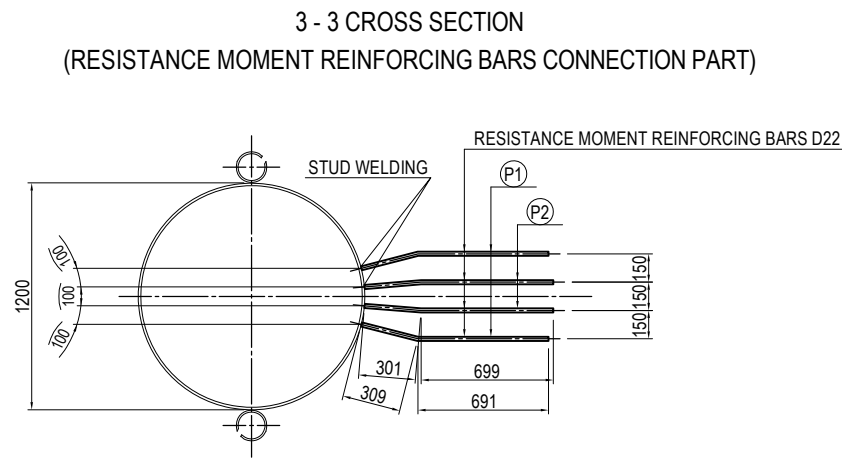
DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING OF P10 PIER



DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:40



CROSS SECTION OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND REINFORCING BARS S=1:40



FABRICATION OF REINFORCING BARS S=1:40

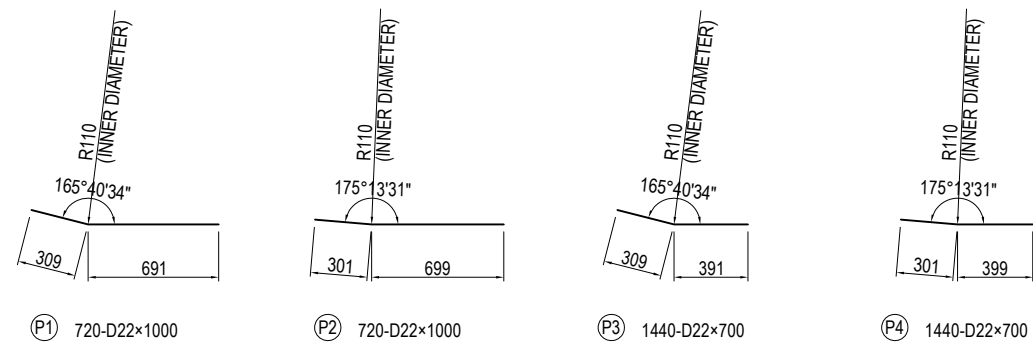
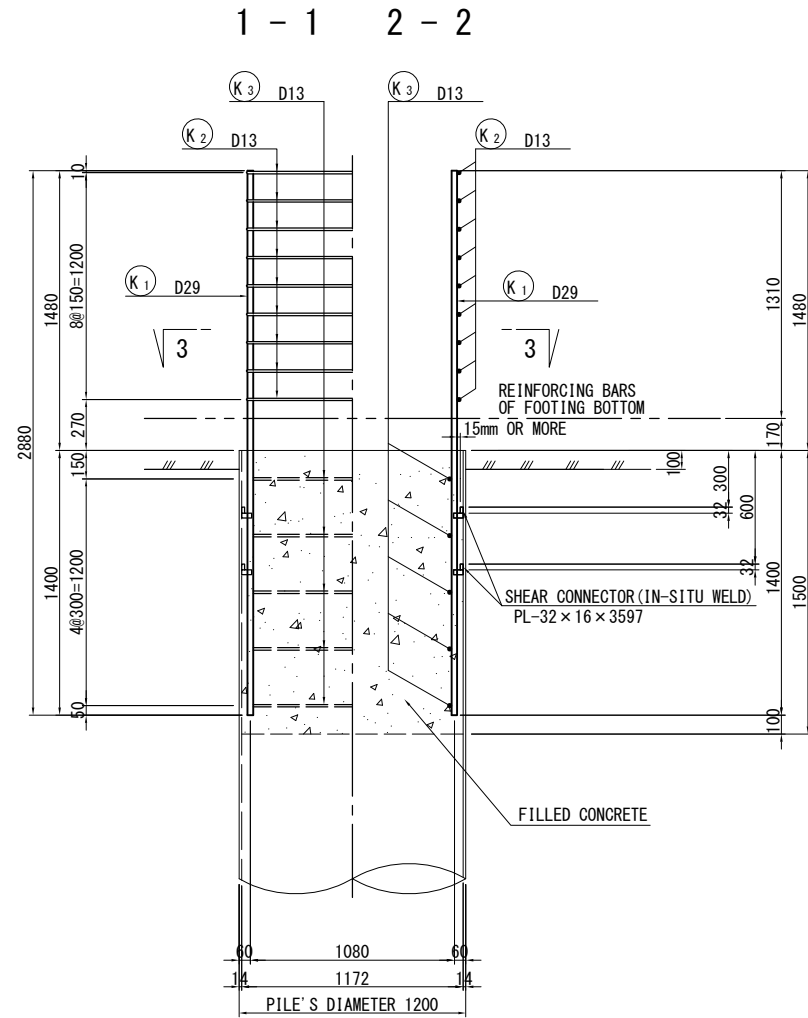


TABLE OF REINFORCING BARS

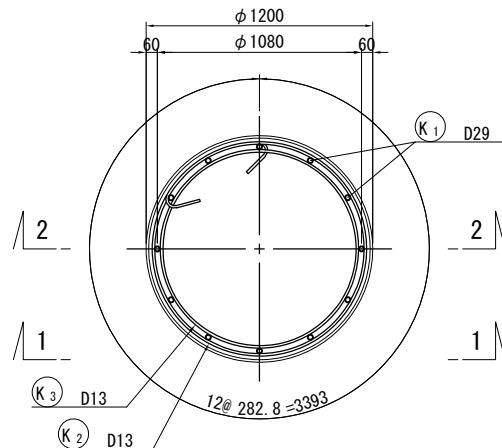
MARK	TYPE	LENGTH (mm)	PIECES (piece)	UNIT WEIGHT (kg/m)	UNIT WEIGHT (kg/piece)	WEIGHT (kg)	GRADE	MEMO
P1	D22	1000	720	3.04	3.04	2188.8	SD345 for STUD WELDING	
P2	D22	1000	720	3.04	3.04	2188.8	SD345 for STUD WELDING	
P3	D22	700	1440	3.04	2.13	3067.2	SD345 for STUD WELDING	
P4	D22	700	1440	3.04	2.13	3067.2	SD345 for STUD WELDING	
					D22	10512.0 kg		
					TOTAL WEIGHT	10512.0 kg		

DETAIL OF PILE TOP CONNECTION TO THE BASE CONCRETE OF P10 PIER S=1:40

DETAIL OF PILE TOP

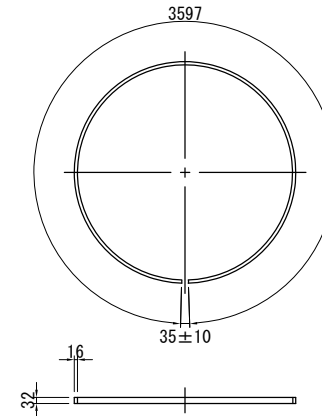


3 - 3

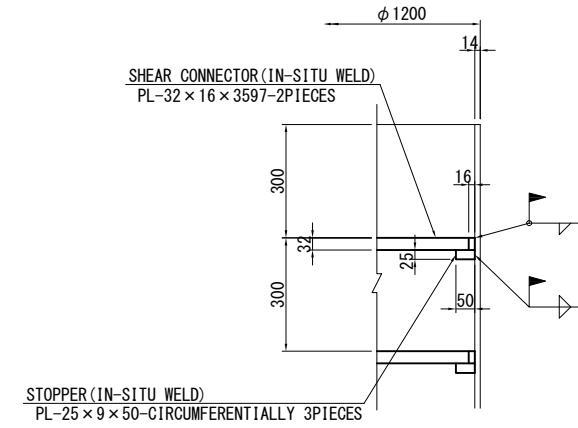


DETAIL OF ATTACHMENT OF SHEAR CONNECTOR

CENTER OF LENGTH

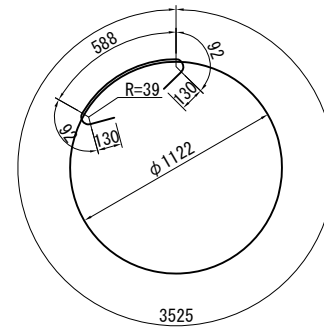


SETTING IN THE FIELD S=1:20

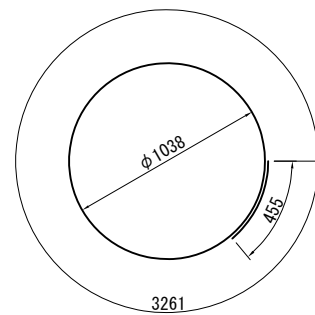


MATERIAL LIST

MARKS	SECTION SIZE	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	MATERIAL	REMARKS
PILE TOP ACCOMPANYING ITEMS								
PL	PL-32*16	3597	2	4.019	14.456	28.9	SS400	SHEAR CONNECTOR
PL	PL-25*9	50	6	1.766	0.088	0.5	SS400	STOPPER
REINFORCEMENT								
K1	D29	2880	12	5.04	14.52	174	SD345	I
K2	D13	4560	9	0.995	4.54	41	SD345	○
K3	D13	3720	5	0.995	3.70	19	SD345	○
TOTAL						234		
FILLED CONCRETE ($\sigma_{ck} = 24 \text{ N/mm}^2$)								
$V = 1/4 \times \pi \times 1.172^2 \times 1.300 = 1.402 \text{ m}^3$								



(K2) 9 - D13 x 4560

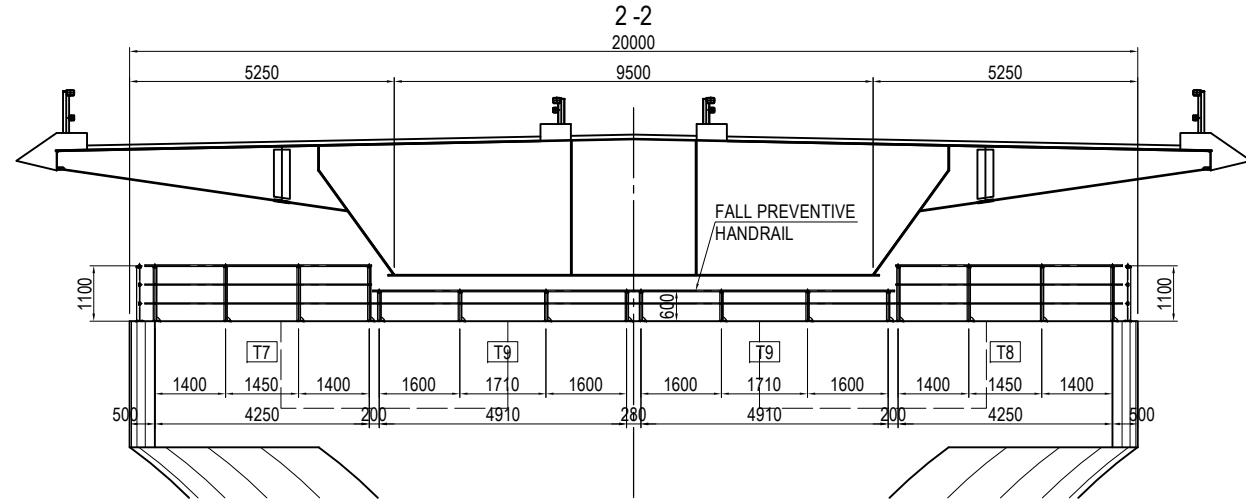


(K3) 5 - D13 x 3720

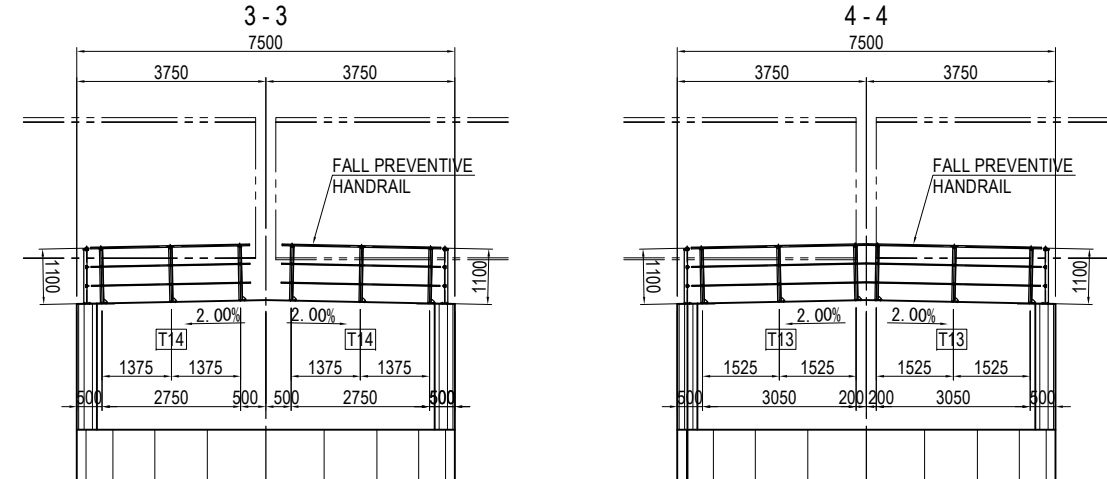
ITEM	DIVISION	UNIT CONTENT	WEIGHT/EA.	QUANTITY
NUMBER OF PILE		Number		8
PILE TOP	SS400	TOTAL	kg	29.4
REINFORCEMENT	SD345	D29	kg	174
		D13	kg	60
		TOTAL	kg	234
FILLED CONCRETE	$\sigma_{ck} = 24 \text{ N/mm}^2$	m^3	1.402	11.2

FALL PREVENTIVE HANDRAIL OF P10 PIER (1) S=1:150

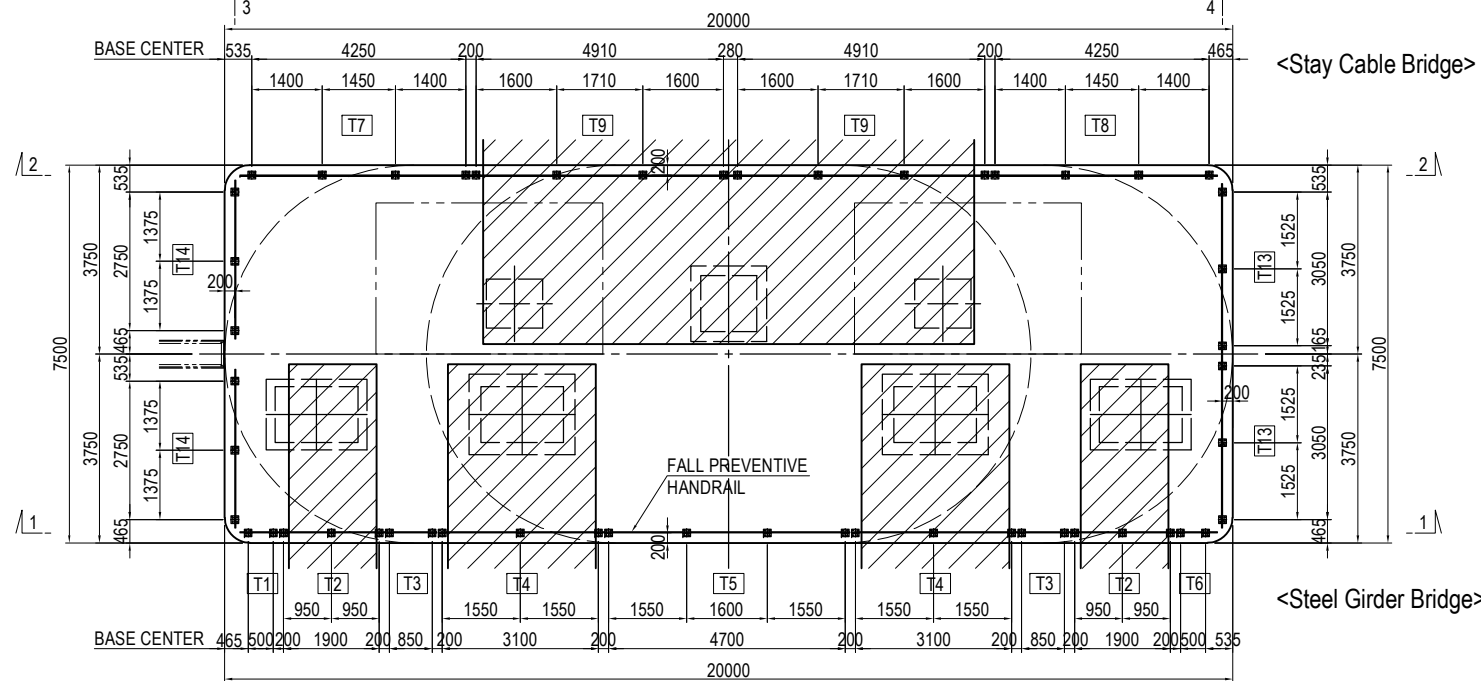
FRONT ELEVATION



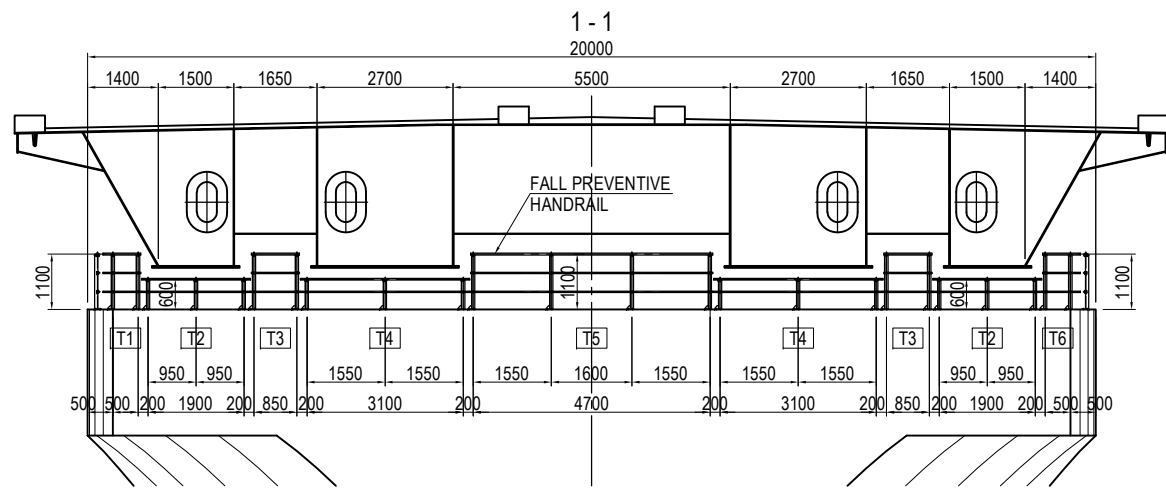
SIDE ELEVATION



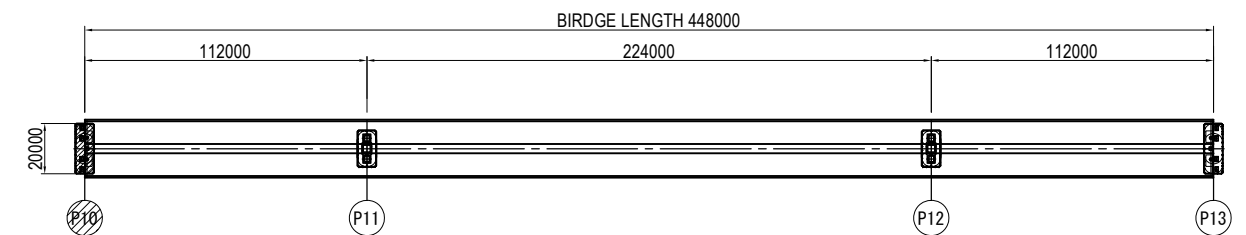
PLAN



FRONT ELEVATION

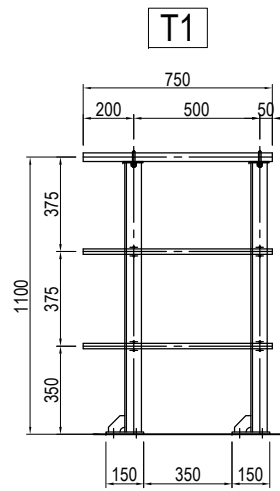


KEY PLAN

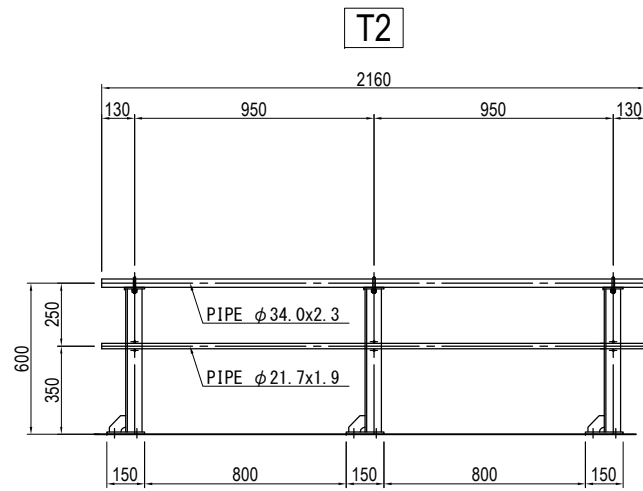


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P10 PIER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-2047

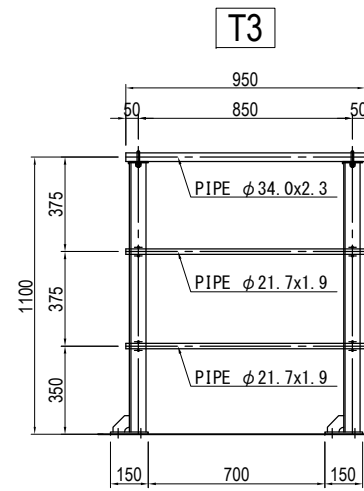
FALL PREVENTIVE HANDRAIL OF P10 PIER (2) S=1:30



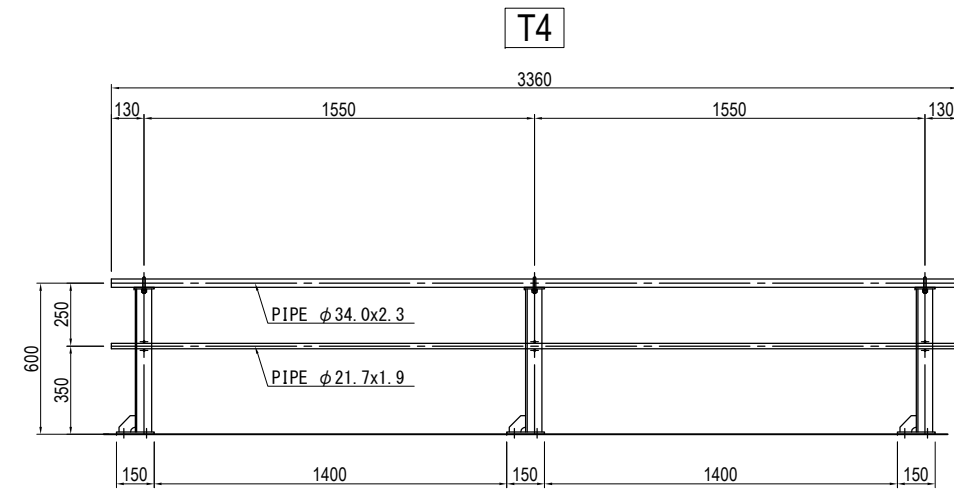
- <T1> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x750 (STK400)
 2-PIPE φ21.7x1.9x750 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



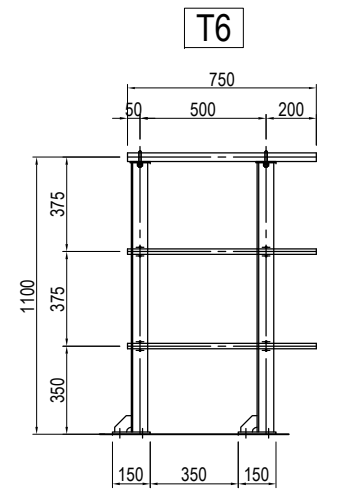
- <T2> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x2160 (STK400)
 1-PIPE φ21.7x1.9x2160 (STK400)
 3-L 65x65x6x569
 3-PL 115x6x80 (SM400A)
 3-BASE PL 150x9x150 (SM400A)
 3-RIB PL 65x6x65 (SM400A)
 3-U. Bolt M10 Nominal25C
 3-U. Bolt M10 Nominal15C
 12-Driving anchor M16x125



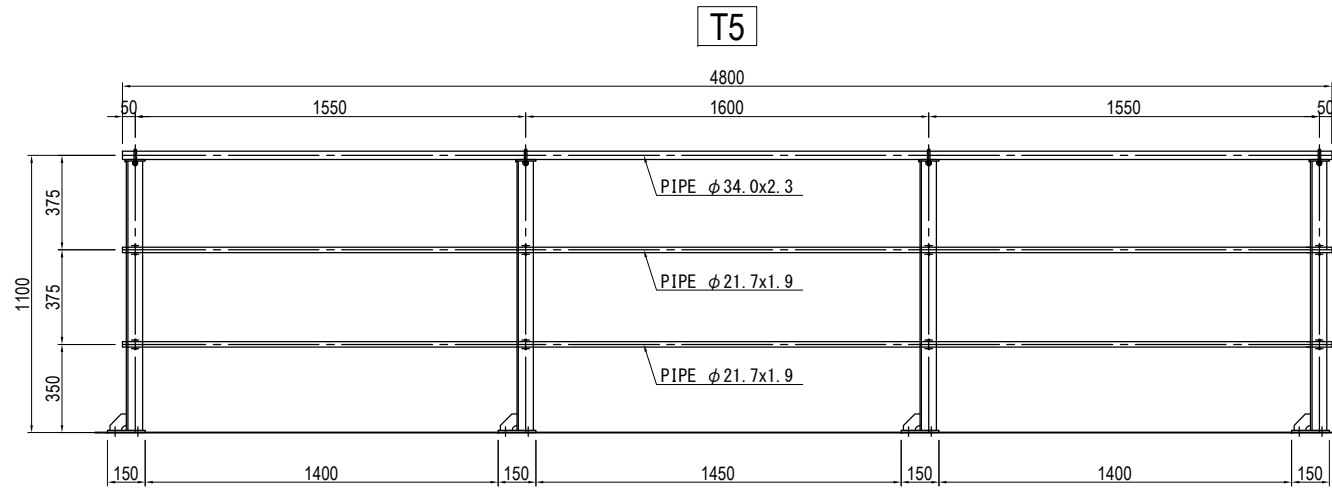
- <T3> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x950 (STK400)
 2-PIPE φ21.7x1.9x950 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



- <T4> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x3360 (STK400)
 1-PIPE φ21.7x1.9x3360 (STK400)
 3-L 65x65x6x569
 3-PL 115x6x80 (SM400A)
 3-BASE PL 150x9x150 (SM400A)
 3-RIB PL 65x6x65 (SM400A)
 3-U. Bolt M10 Nominal25C
 3-U. Bolt M10 Nominal15C
 12-Driving anchor M16x125



- <T6> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x750 (STK400)
 2-PIPE φ21.7x1.9x750 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



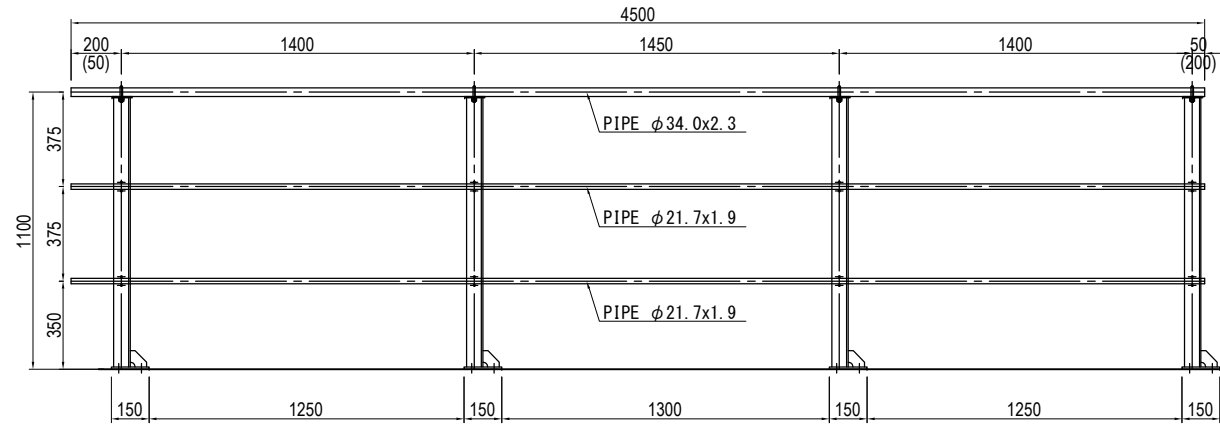
- <T5> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x4800 (STK400)
 2-PIPE φ21.7x1.9x4800 (STK400)
 4-L 65x65x6x1069
 4-PL 115x6x80 (SM400A)
 4-BASE PL 150x9x150 (SM400A)
 4-RIB PL 65x6x65 (SM400A)
 4-U. Bolt M10 Nominal25C
 8-U. Bolt M10 Nominal15C
 16-Driving anchor M16x125

Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P10 PIER (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2048

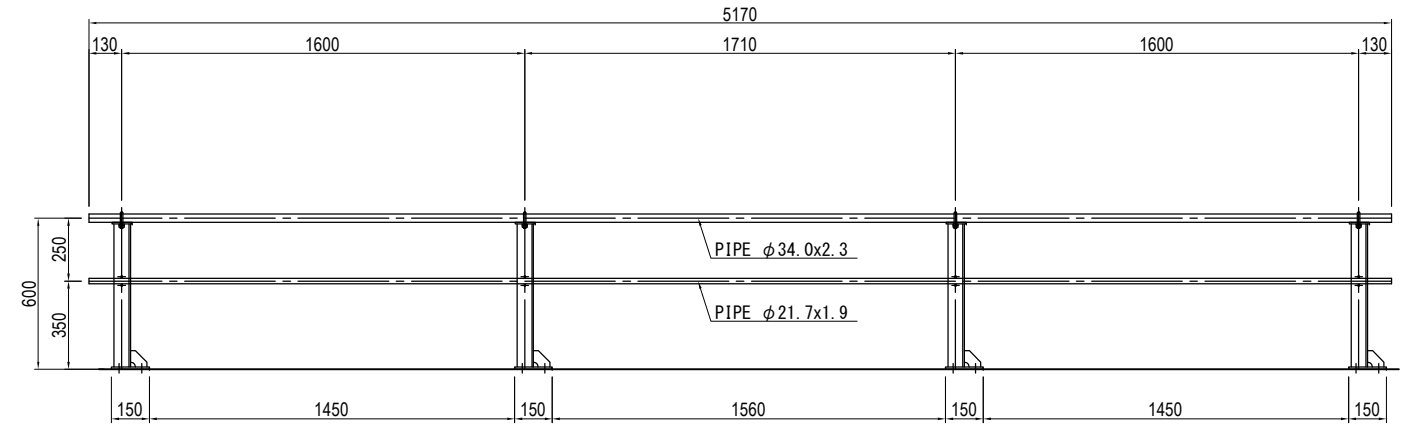
FALL PREVENTIVE HANDRAIL OF P10 PIER (3) S=1:30

T7 (T8)



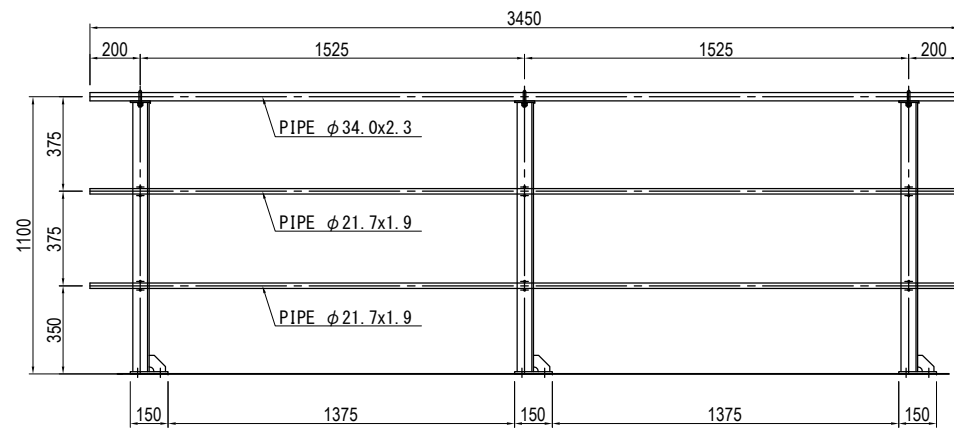
- <T7, T8> Production volume : each1(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x4500 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x4500 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T9



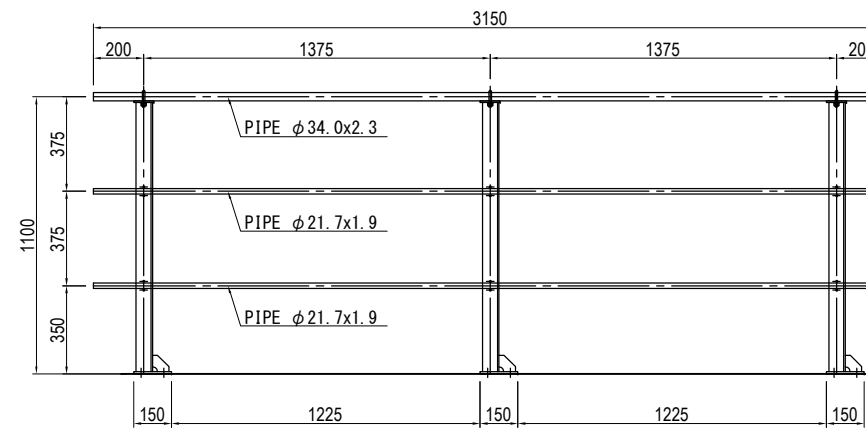
- <T9> Production volume : 2(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x5170 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 1-PIPE φ21.7x1.9x5170 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x569 | 4-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T13



- <T13> Production volume : 2(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x3450 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x3450 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

T14



- <T14> Production volume : 2(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x3150 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x3150 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

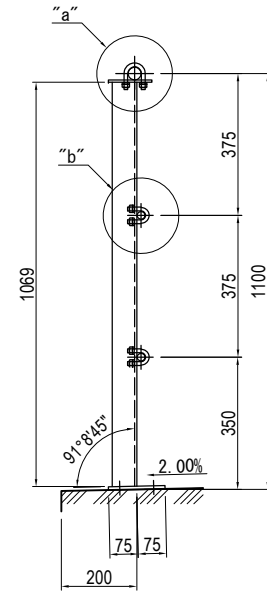
Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P10 PIER (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2049

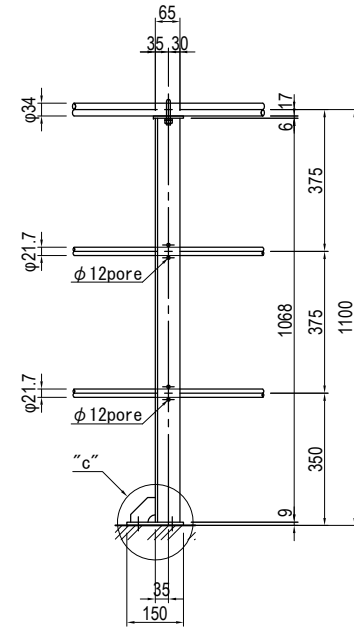
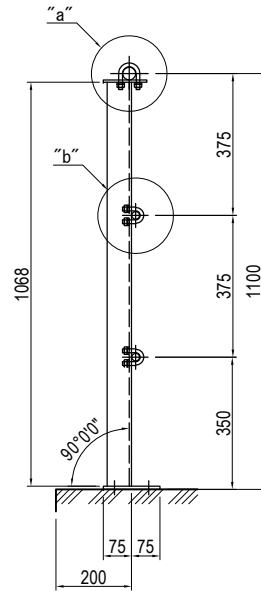
FALL PREVENTIVE HANDRAIL OF P10 PIER (4) S=1:20

DETAIL OF HANDRAIL S=1:20

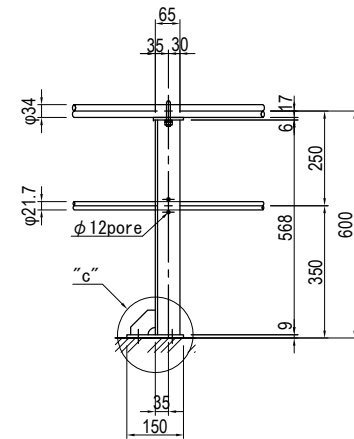
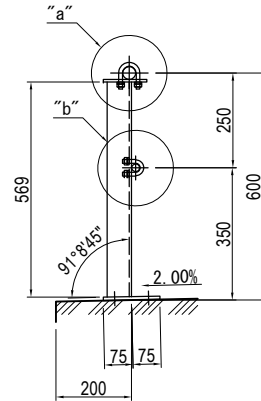
T1 T3 T5 T6 ~ T8



T13 T14

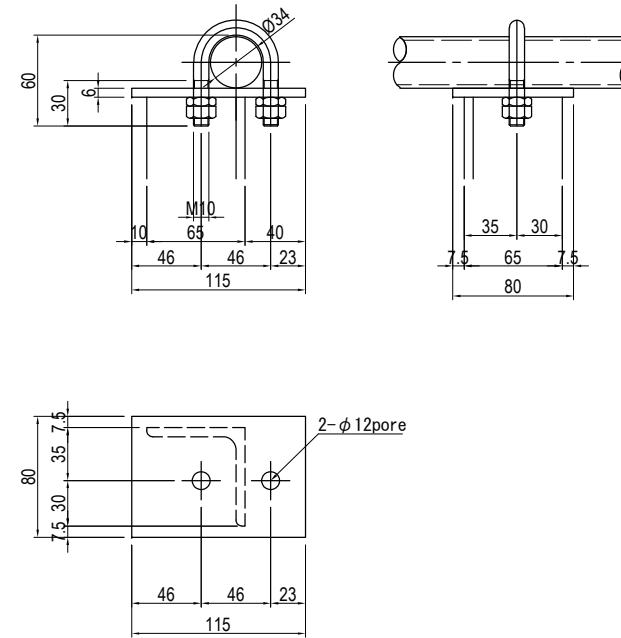


T2 T4 T9



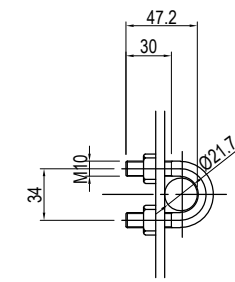
"a" DETAIL S=1:5

U.Bolt Nominal 25C

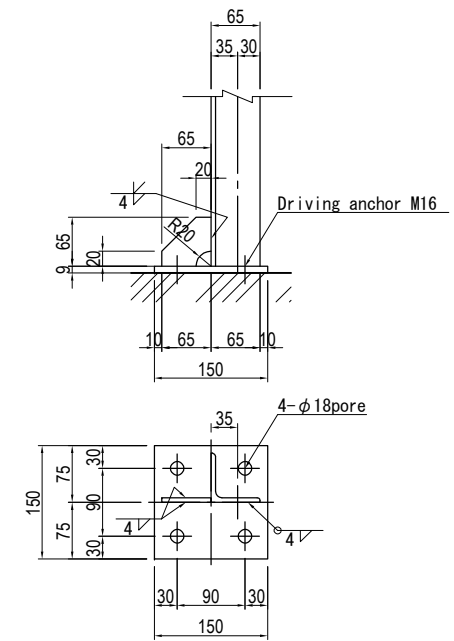


"b" DETAIL S=1:5

U.Bolt Nominal 15C



"c" DETAIL S=1:10

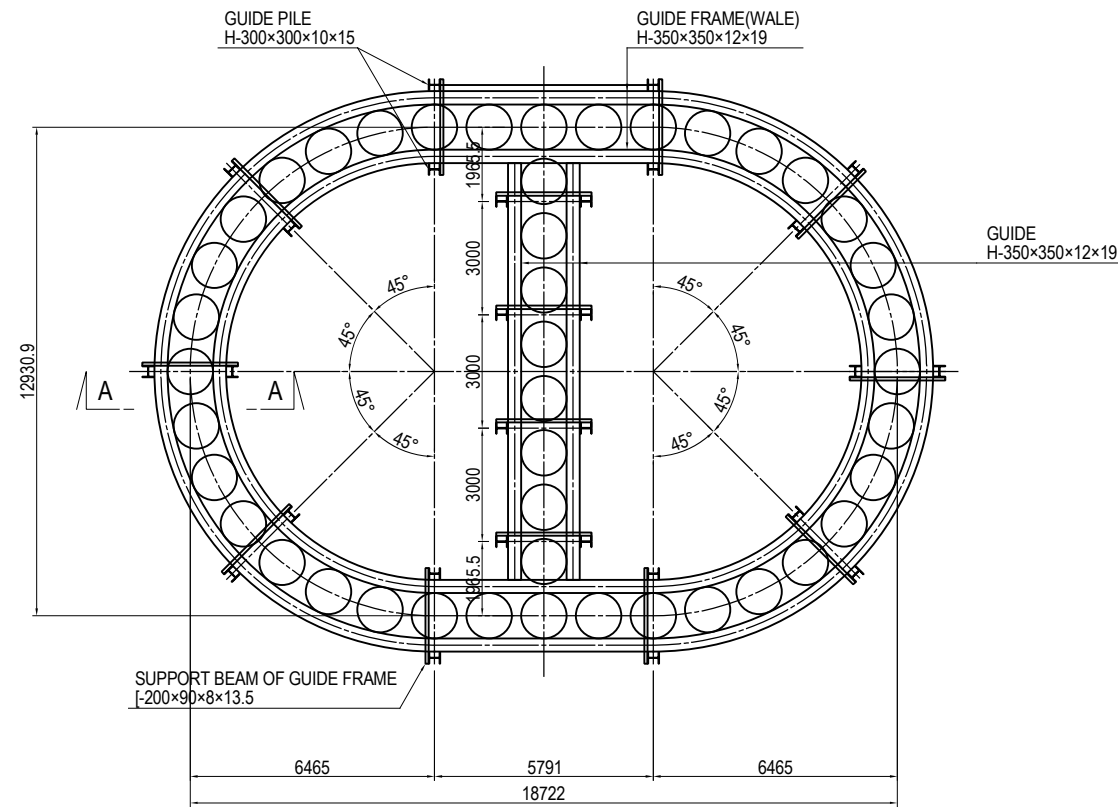


- Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

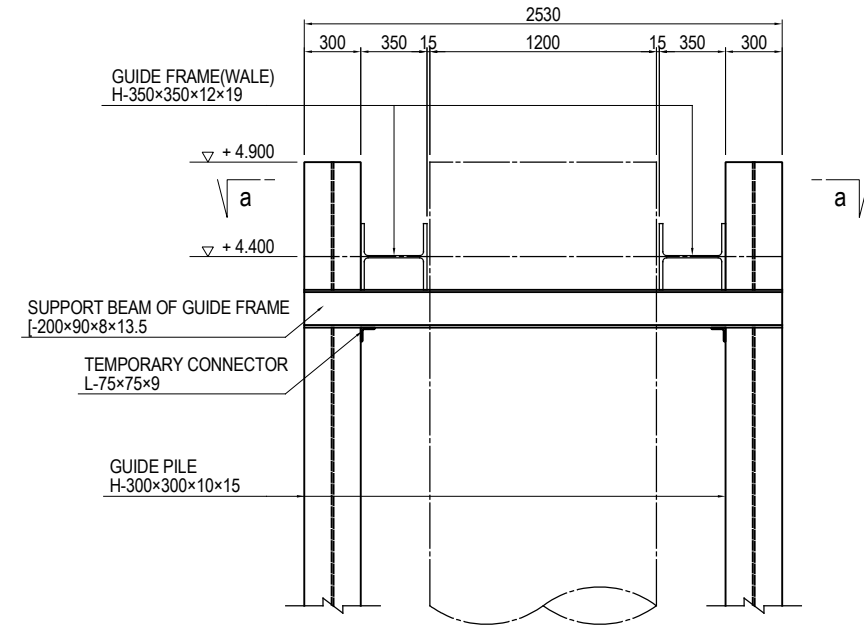
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P10 PIER (4)	PACKAGE 1 DWG No. P1-CS-2050
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P10 PIER (1)

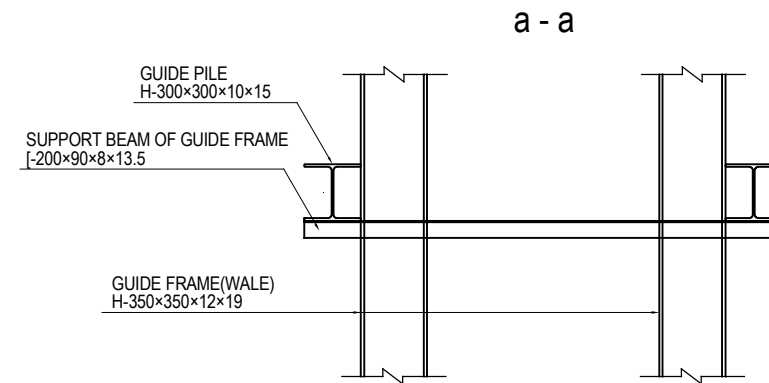
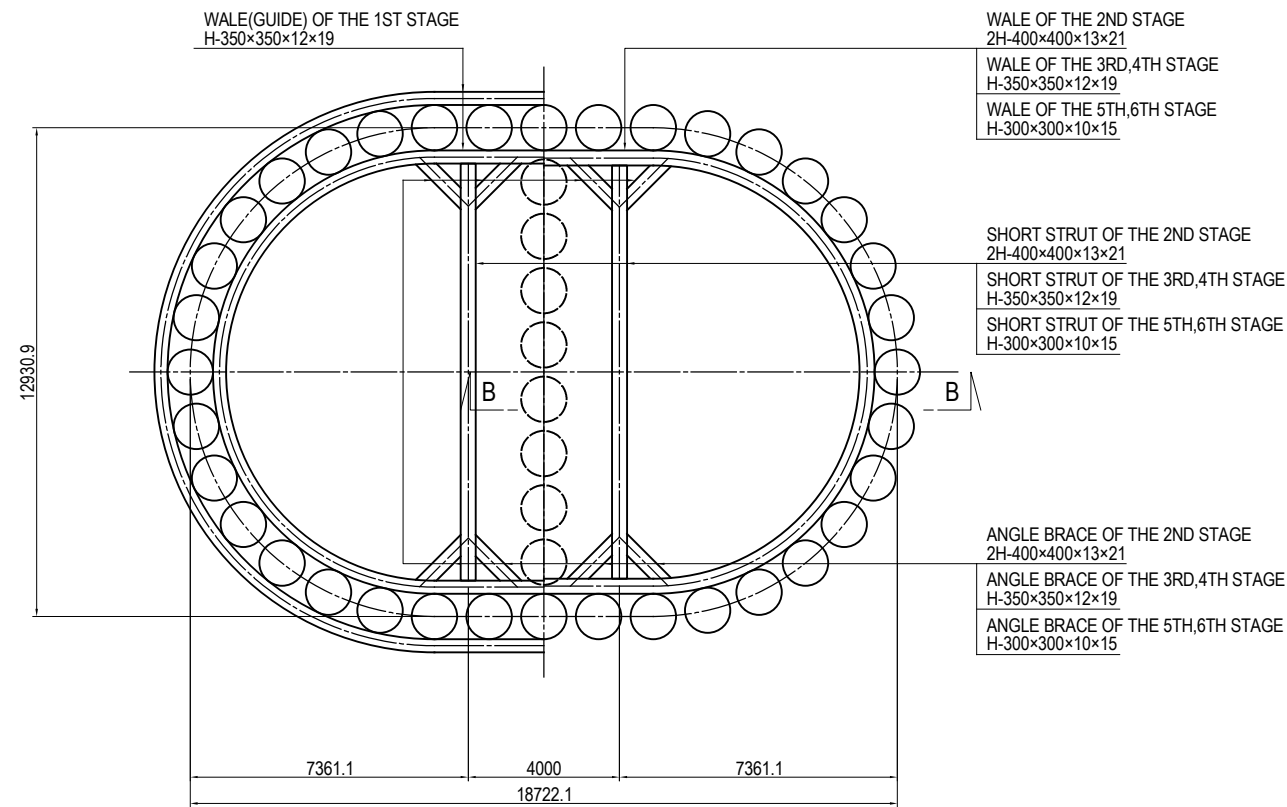
LAYOUT PLAN OF GUIDE FRAMES AND GUIDE PILES S=1:200



DETAIL OF ATTACHMENT OF GUIDE PILES AND GUIDE FRAMES S=1:40



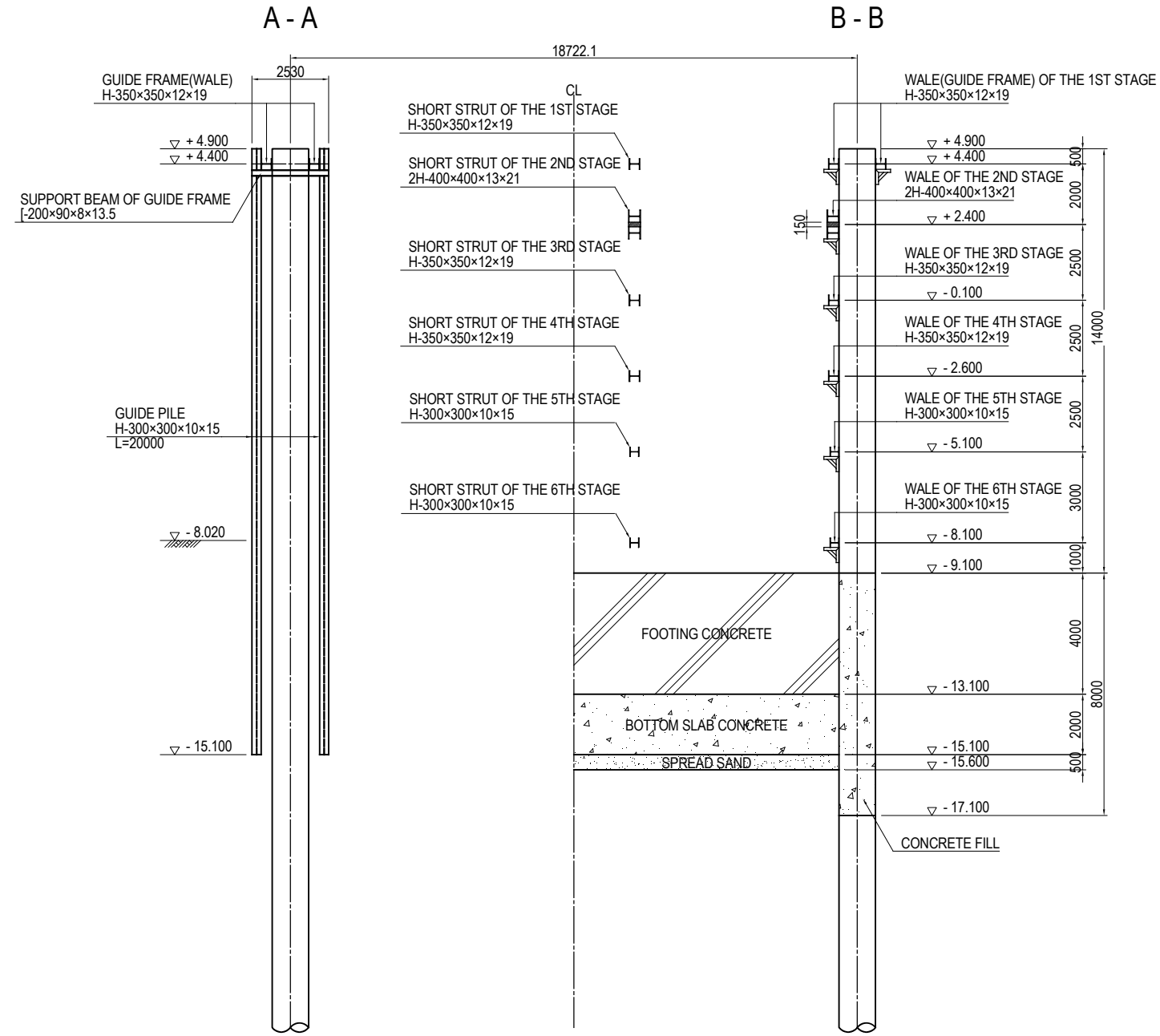
LAYOUT PLAN OF STRUTS AND WALES S=1:200



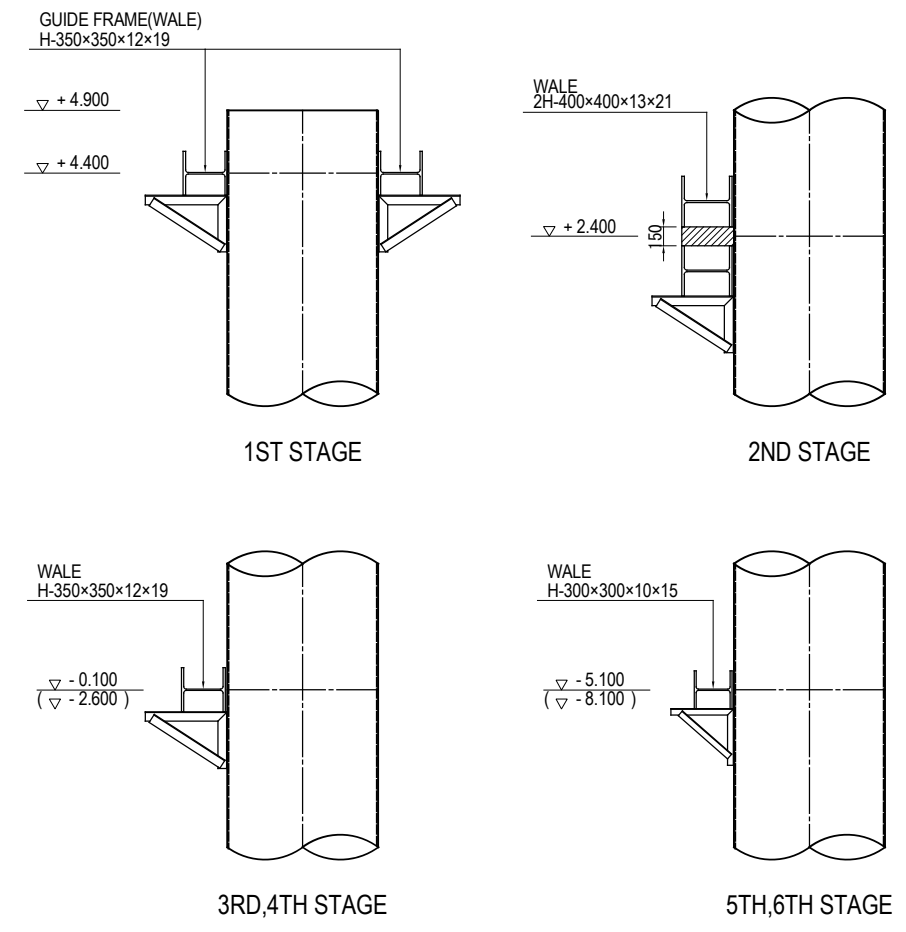
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. HAYAKAWA			(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P10 PIER (1)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-2051

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P10 PIER (2)

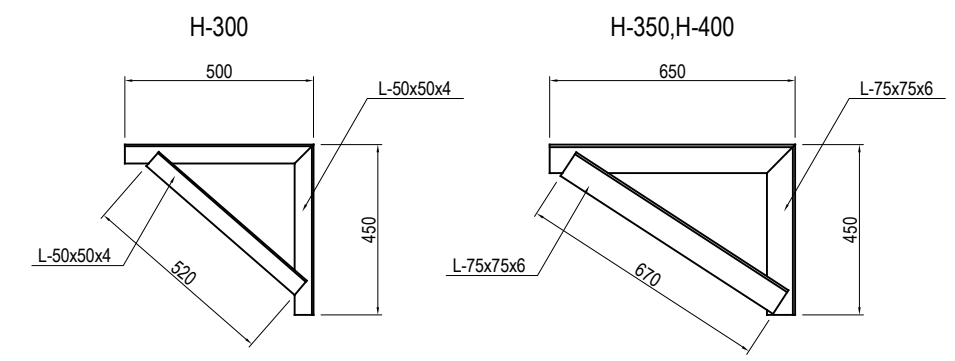
CROSS SECTION S=1:200



DETAIL OF ATTACHMENT OF WALE S=1:60

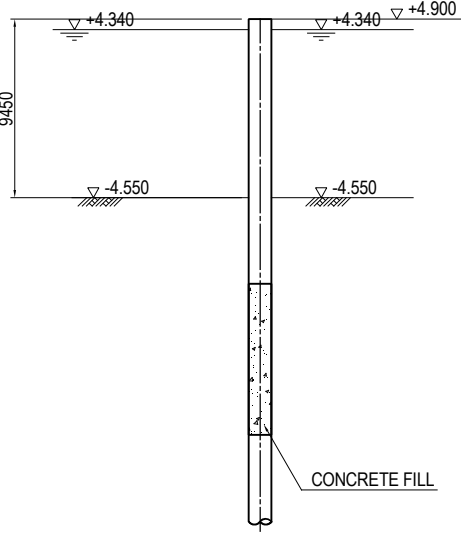
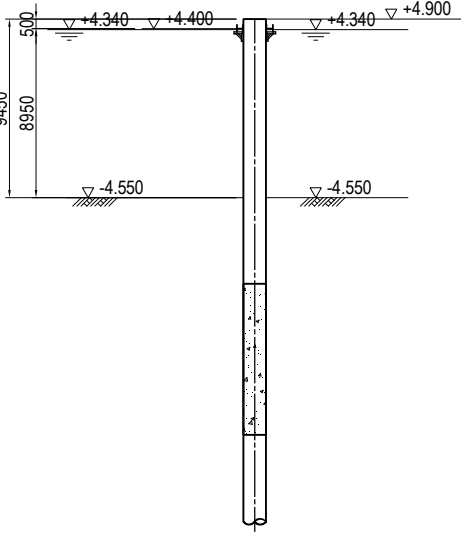
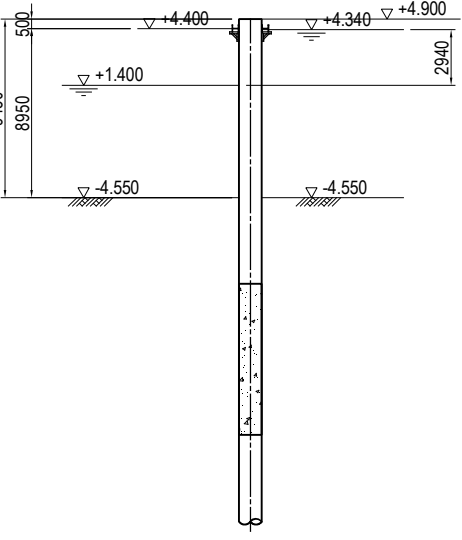
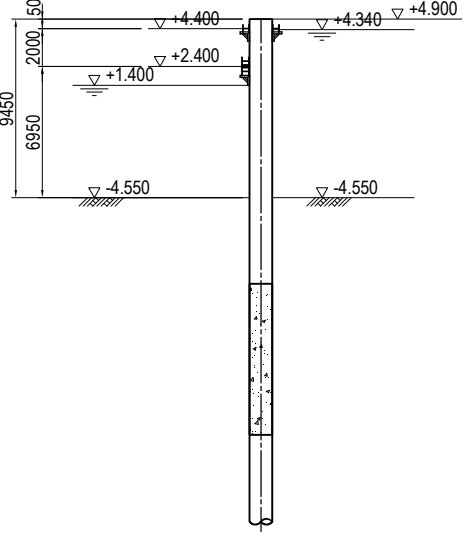
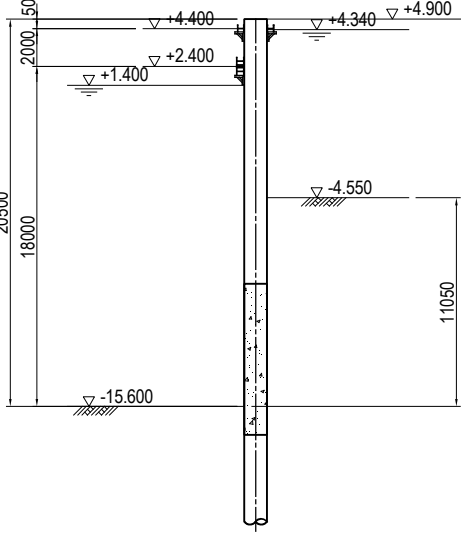
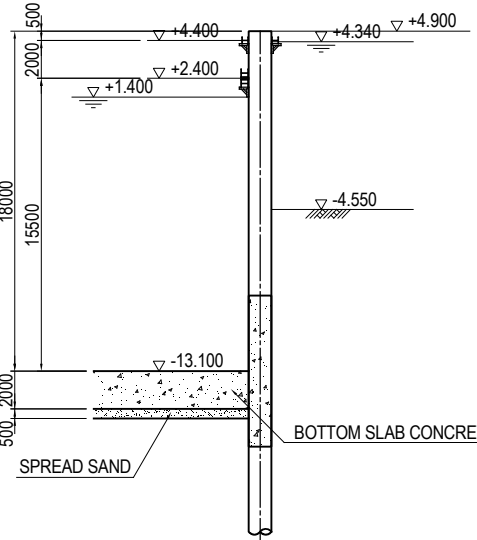
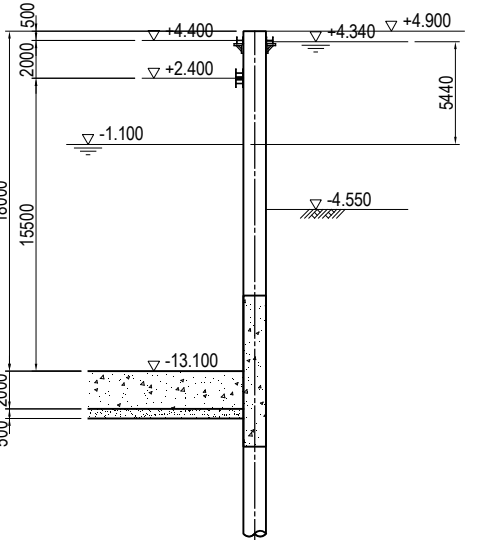
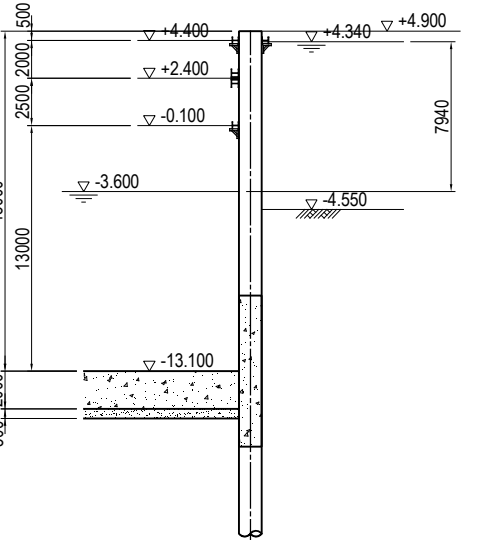
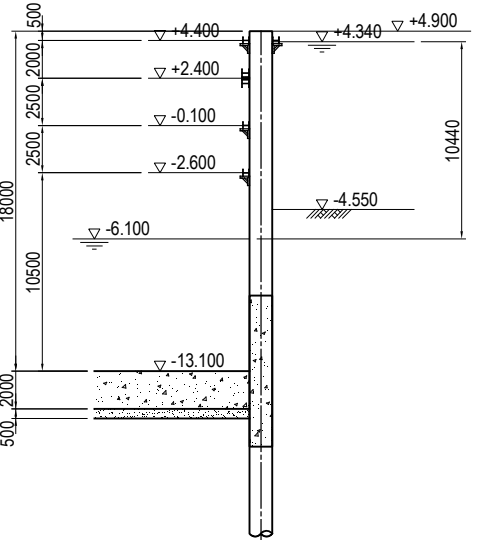
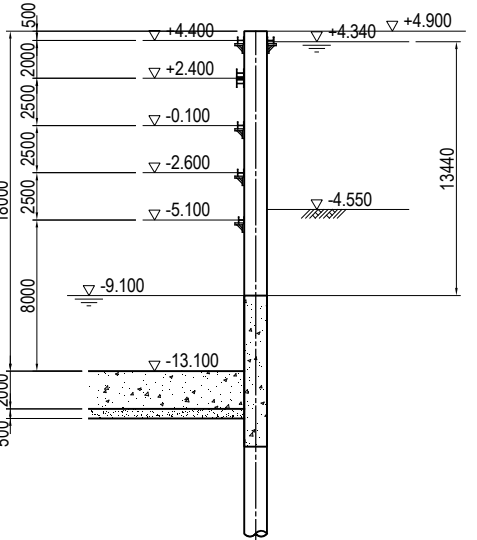


DETAIL OF BRACKET S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P10 PIER (2)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2052

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P10 PIER (1) S=1:400

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
				
<p>Excavate inside of exterior sheet piles and filled with concrete as shown.</p>	<p>The 1st support Installation.</p>	<p>Draining the inside of cofferdam up to +1.400m level.</p>	<p>The 2nd support Installation.</p>	<p>Underwater excavation up to -15.600m level.</p>
STEP 6	STEP 7	STEP 8	STEP 9	STEP 10
				
<p>Placement of spread sand followed by casting underwater bottom slab concrete.</p>	<p>Draining the inside of cofferdam up to -1.100m level.</p>	<p>Draining the inside of cofferdam up to -3.600m level. after the 3rd support Installation.</p>	<p>Draining the inside of cofferdam up to -6.100m level. after the 4th support Installation.</p>	<p>Draining the inside of cofferdam up to -9.100m level. after the 5th support Installation.</p>

Note : This drawing can be used for reference only.

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM  NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>PREPARED BY CHECKED BY APPROVED BY</p>	<p>NAME T. HAYAKAWA T. HAYAKAWA Y. SANO</p>	<p>SIGNATURE</p>	<p>DATE</p>	<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P10 PIER (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-2053</p>
---	---	---	--	---	---	------------------	-------------	--	---

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P10 PIER (2) S=1:400

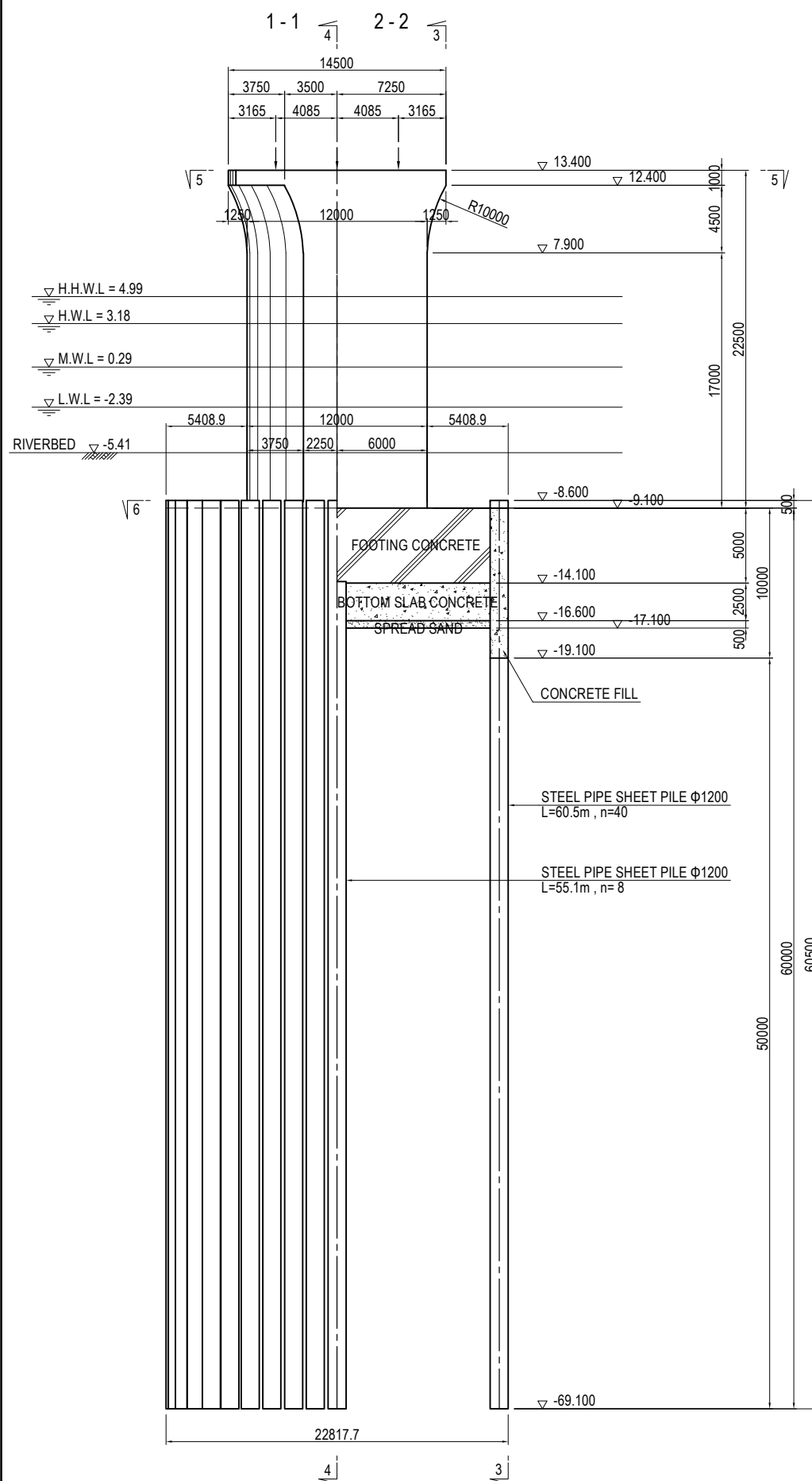
STEP 11	STEP 12	STEP 13		
<p>Draining the inside of cofferdam up to -13.100m level. after the 6th support Installation.</p>	<p>Casting of footing concrete.</p>	<p>The 6th support Removal.</p>		

Note : This drawing can be used for reference only.

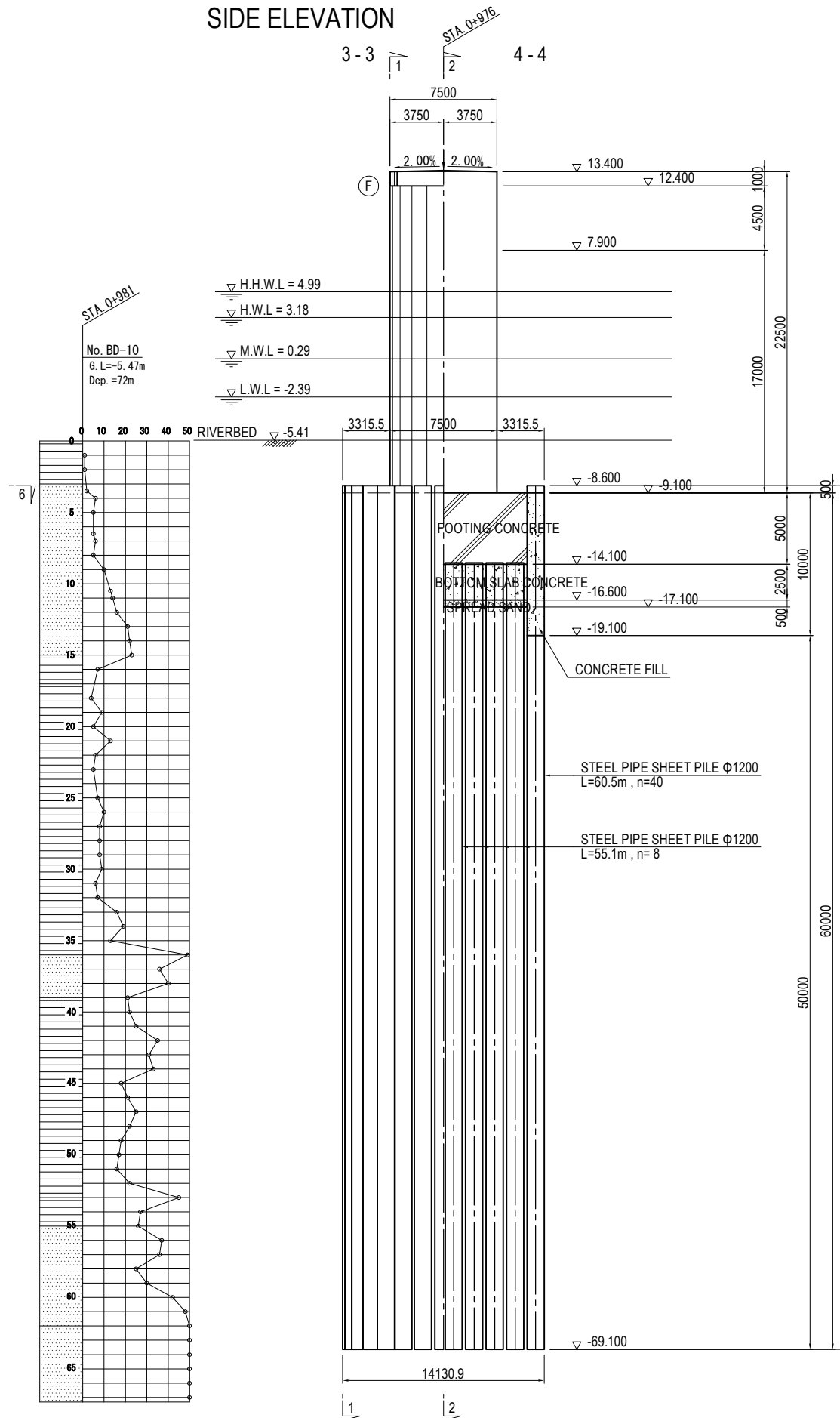
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. HAYAKAWA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P10 PIER (2)</p>	<p>PACKAGE 1 DWG No. P1-CS-2054</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. HAYAKAWA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

GENERAL ARRANGEMENT OF P11 PIER(1) S=1:400

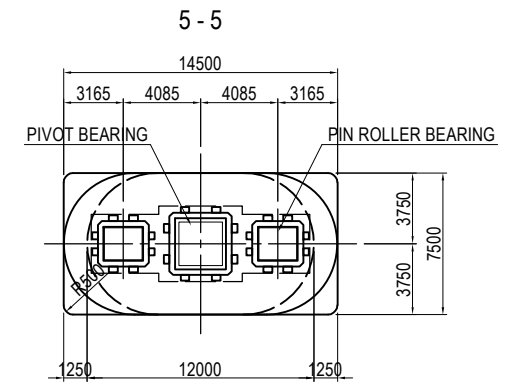
FRONT ELEVATION



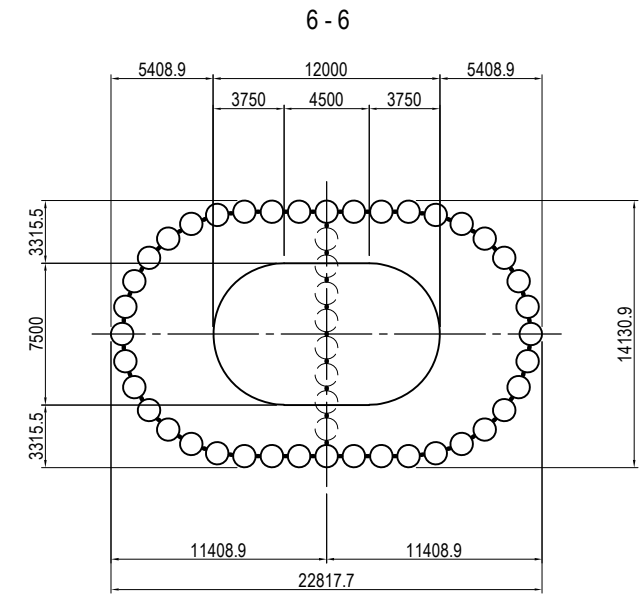
SIDE ELEVATION



PLAN



PLAN



USE MATERIALS

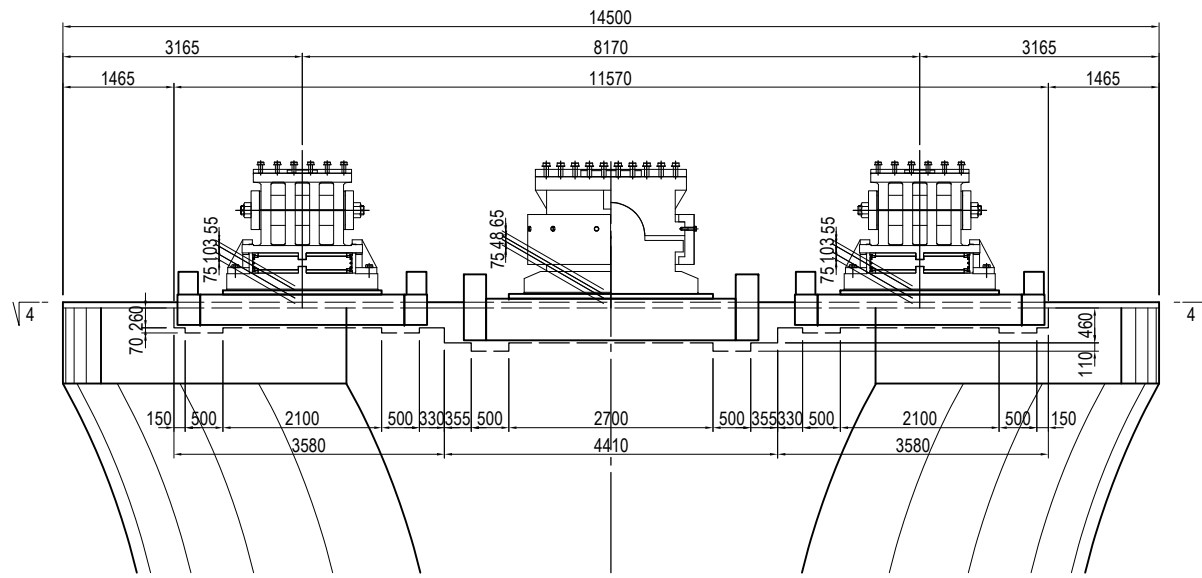
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

GENERAL ARRANGEMENT OF P11 PIER (2) S=1:100

DETAIL OF BEARING AND ANCHOR

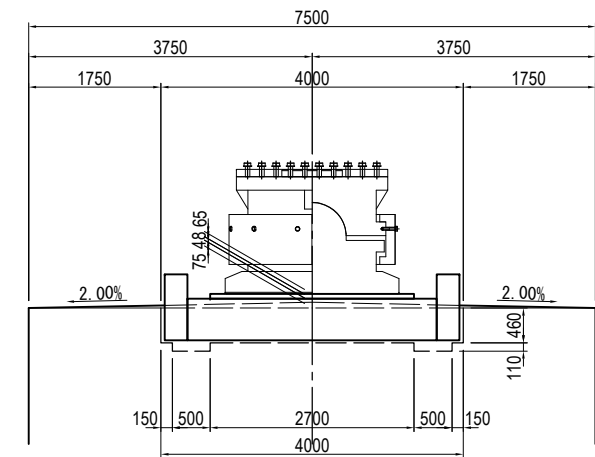
FRONT ELEVATION

1 - 1

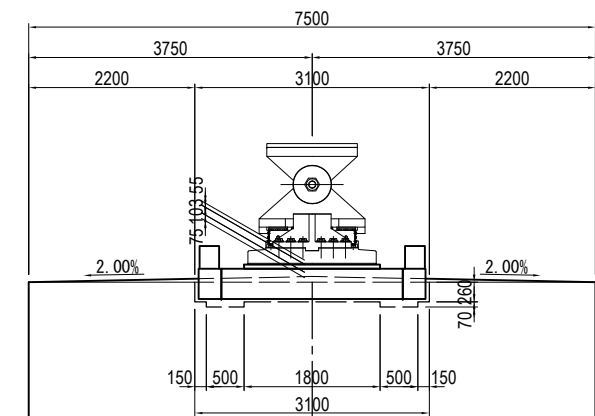


SIDE ELEVATION

2 - 2

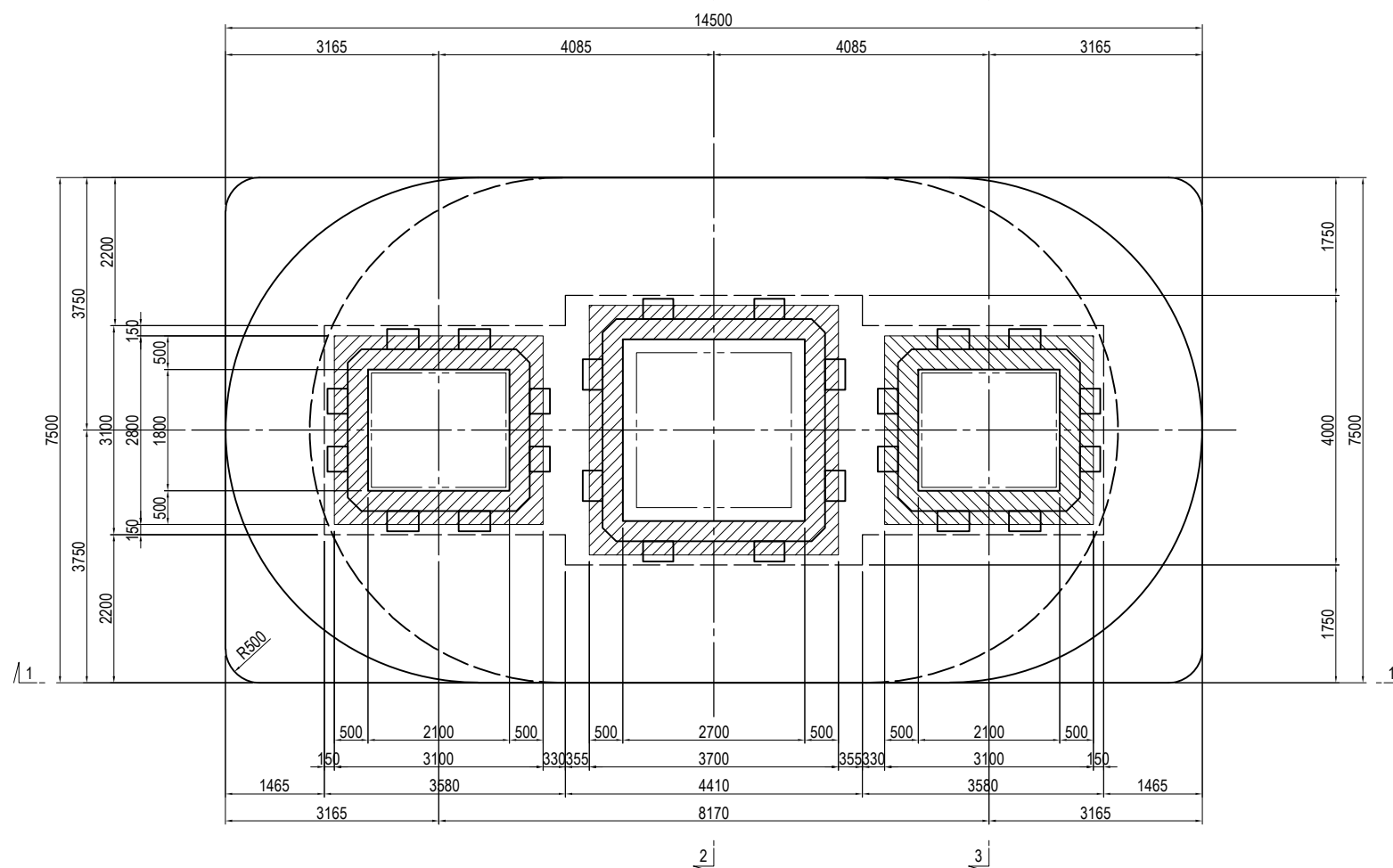


3 - 3

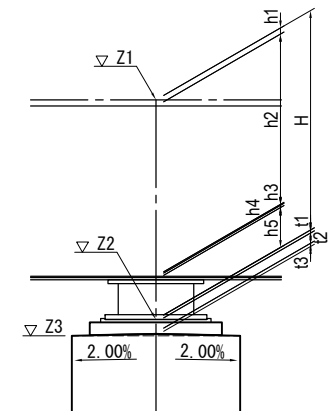


PLAN

4 - 4



	P11 PIER			
	SL2	CL	SR2	
PROPOSED HEIGHT	Z1	17.948	18.030	17.948
PAVEMENT	h1	0.080	0.080	0.080
GIRDER	h2	2.618	2.700	2.618
BOTTOM FLANGE	h3	0.015	0.015	0.015
SOLE PLATE	h4	0.052	0.097	0.052
BEARING	h5	1.550	1.550	1.550
SUBTOTAL	H	4.315	4.442	4.315
ELEVATION OF BEARING BOTTOM	Z2	13.633	13.588	13.633
MORTAR	t1	0.055	0.065	0.055
BEARING BASE	t2	0.103	0.048	0.103
DRAINAGE INCLINE	t3	0.075	0.075	0.075
ELEVATION OF PIER TOP	Z3	13.400	13.400	13.400



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

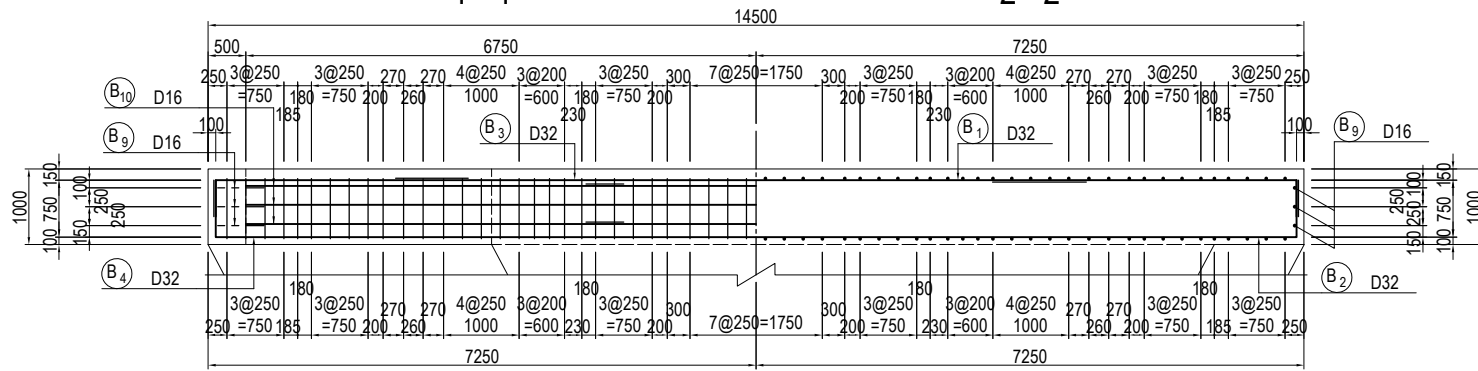
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
GENERAL ARRANGEMENT OF P11 PIER (2)

PACKAGE
1
DWG No.
P1-CS-2102

BAR ARRANGEMENT OF P11 PIER (1) S=1:100

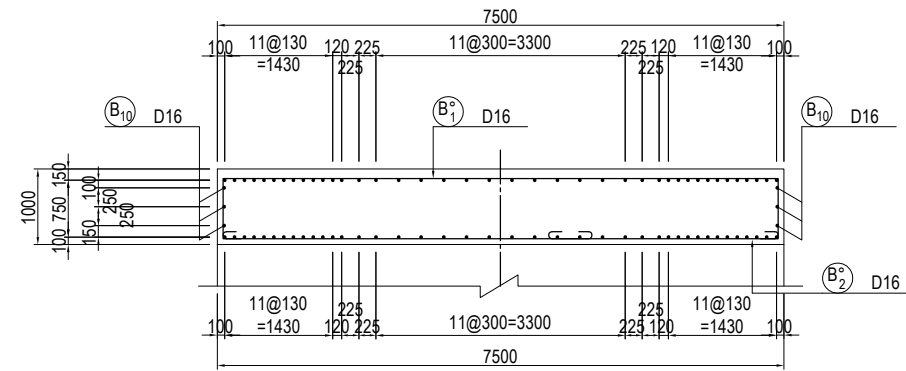
FRONT ELEVATION
1-1



SECTION
2-2

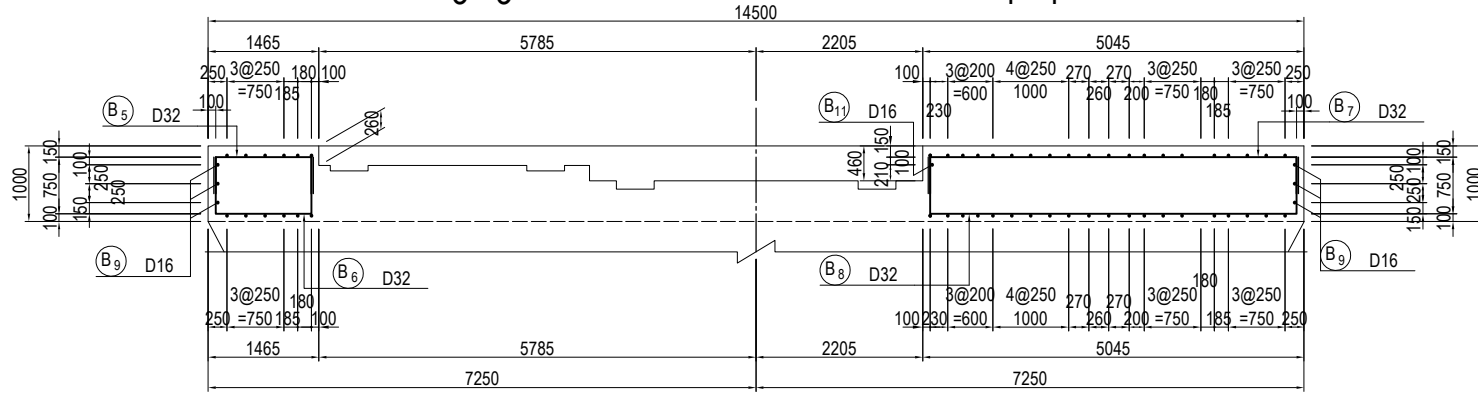
BEAM

SECTION
5-5



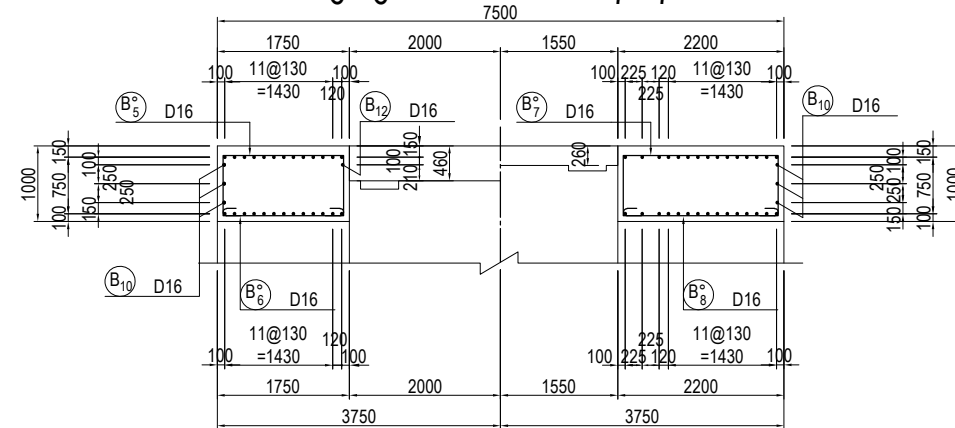
SECTION
3-3

SECTION
4-4

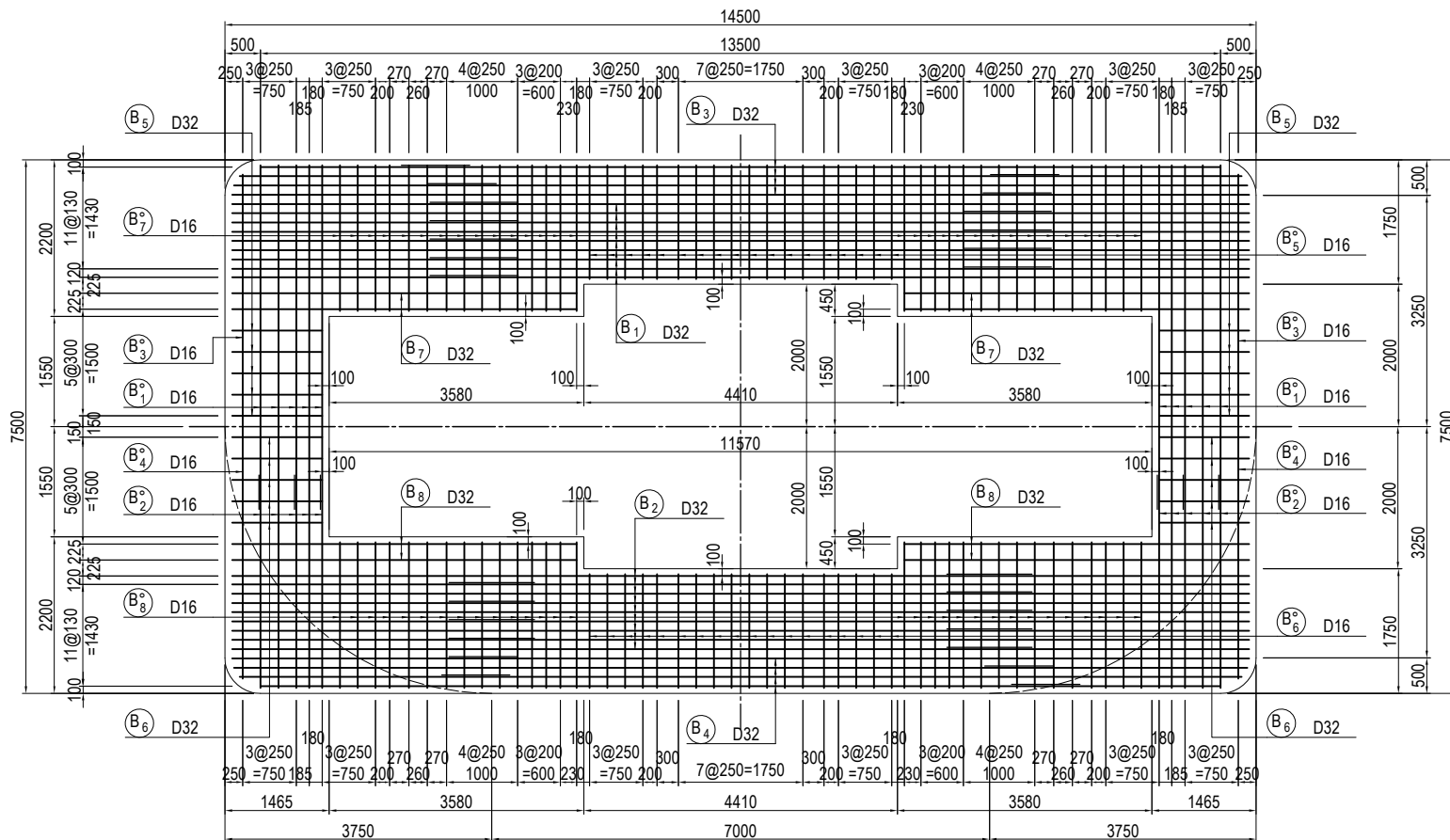


SECTION
6-6

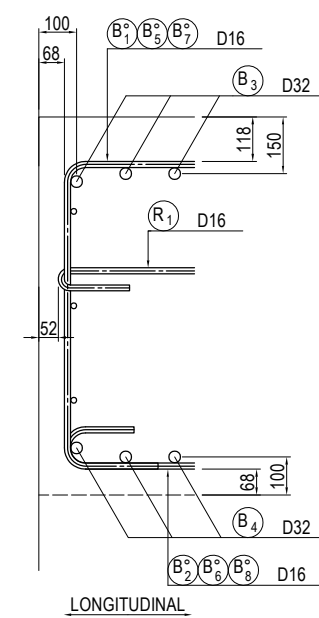
SECTION
7-7



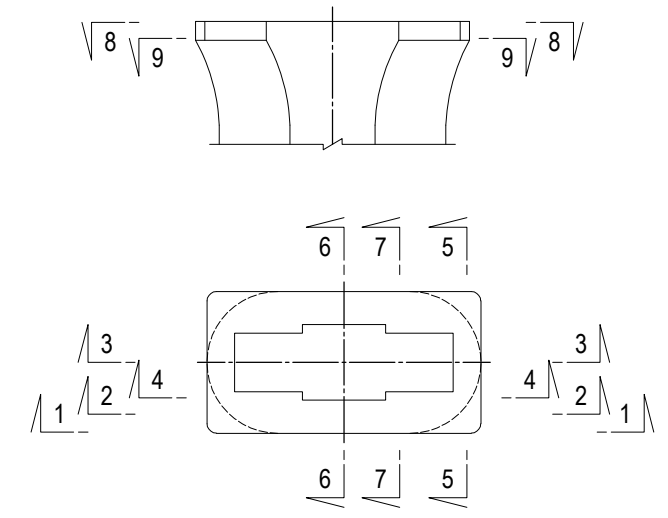
PLAN 8-8
9-9



DETAIL OF BEAM S=1:20



MARKING DIAGRAM



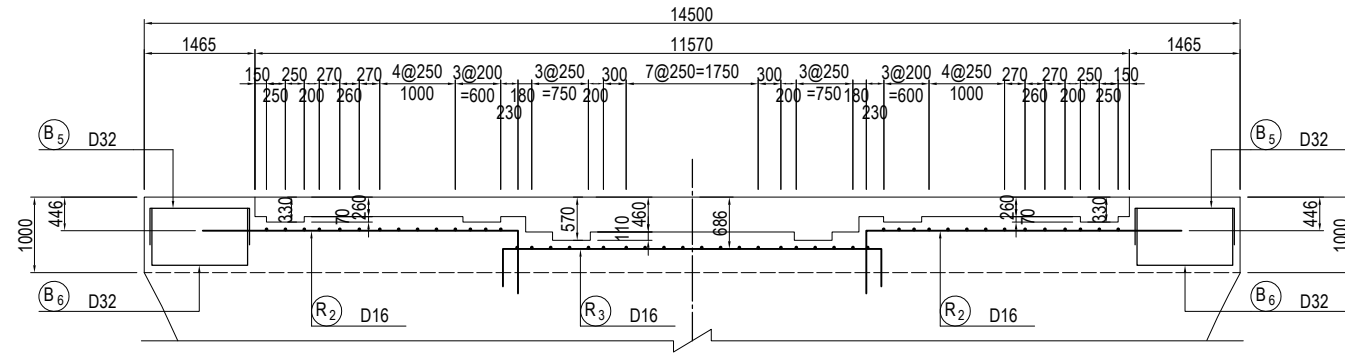
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA SIGNATURE T. HAYAKAWA DATE Y. SANO	DRAWING TITLE BAR ARRANGEMENT OF P11 PIER (1)	PACKAGE 1 DWG No. P1-CS-2103
---	--	---	--	--	--	---------------------------------------

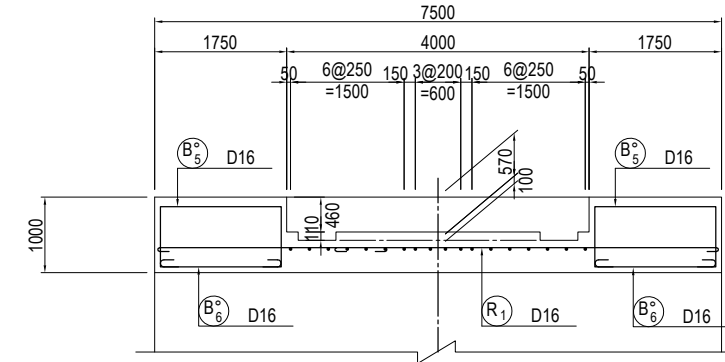
BAR ARRANGEMENT OF P11 PIER (2) S=1:100

SECTION A - A

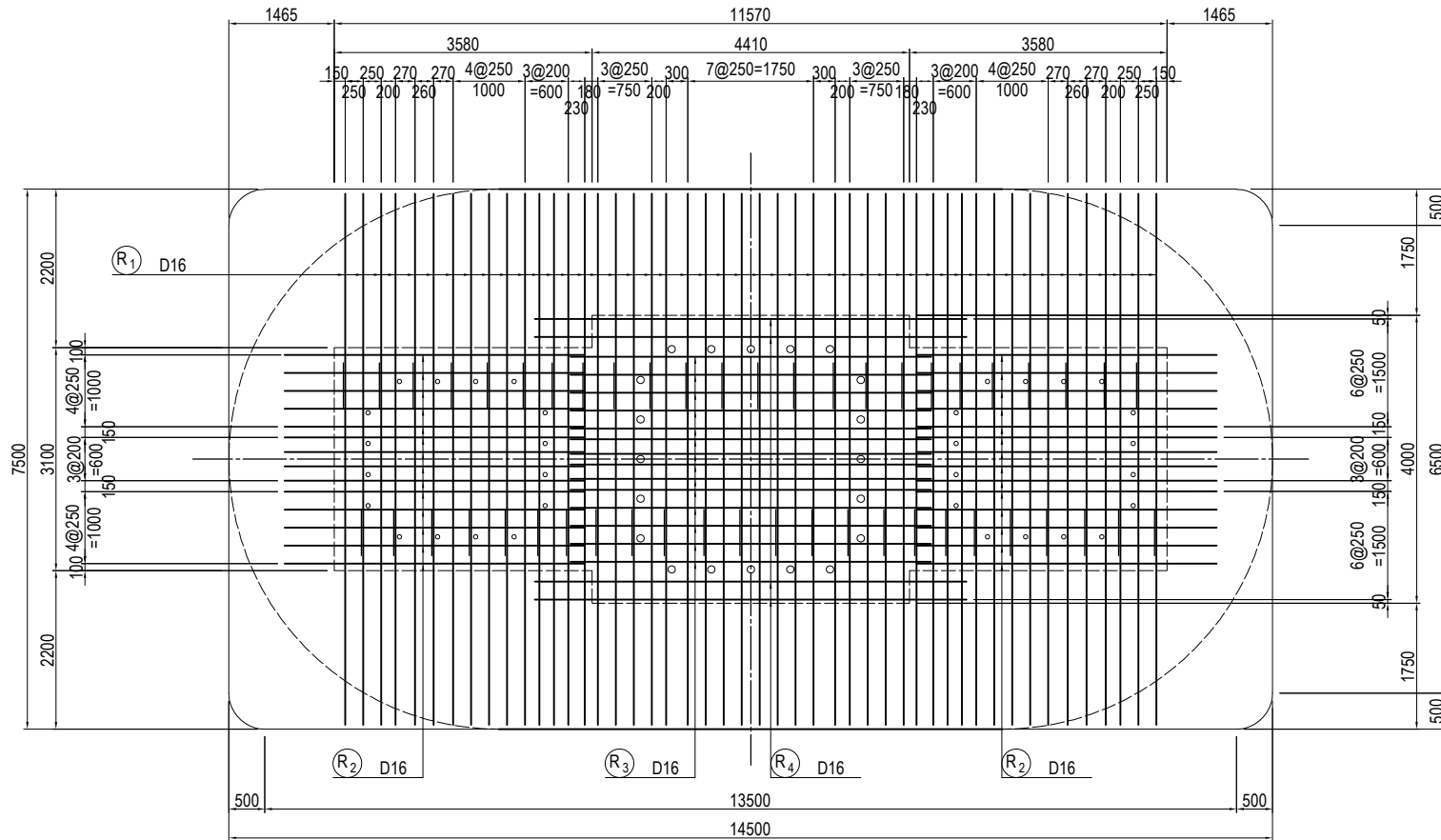


BEAM

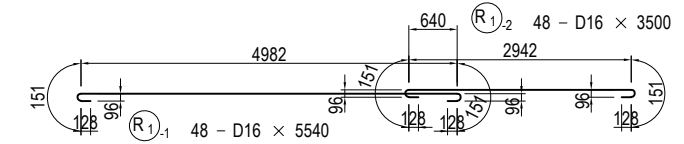
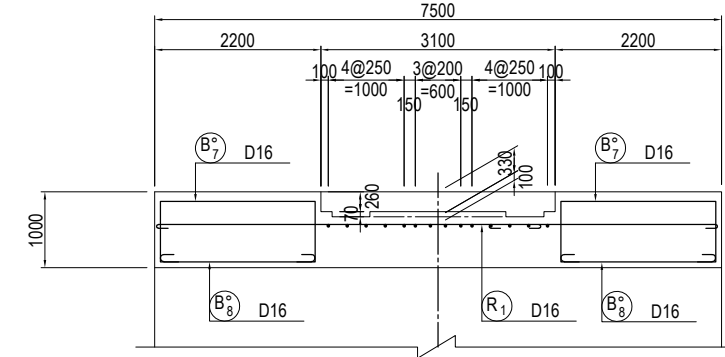
SECTION C - C



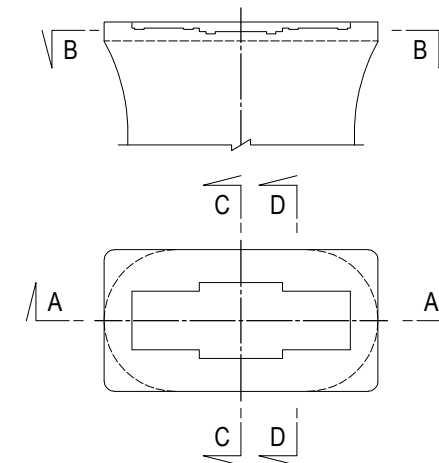
PLAN B - B



SECTION D - D



MARKING DIAGRAM

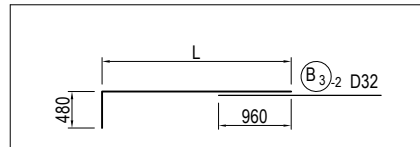
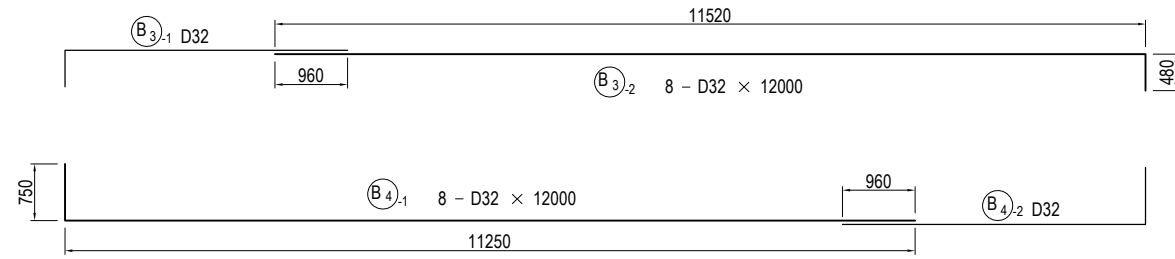
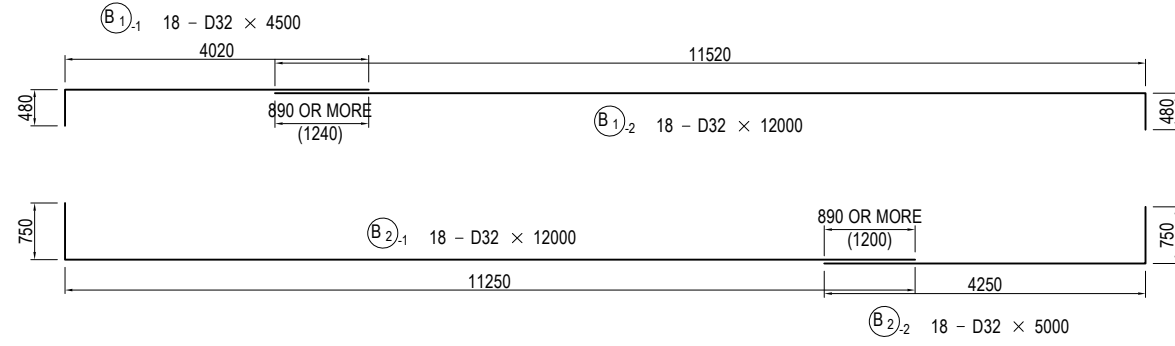


USE MATERIALS

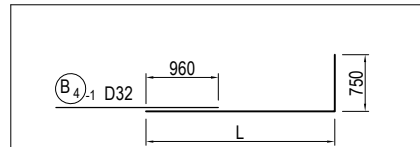
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P11 PIER (2)</h3>	PACKAGE 1 DWG No. P1-CS-2104
---	--	---	--	---	-----------------------	------------------	---	---------------------------------------

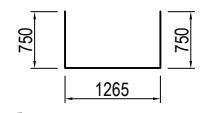
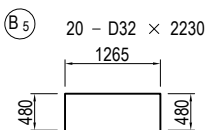
BAR ARRANGEMENT OF P11 PIER (3) S=1:100 BEAM



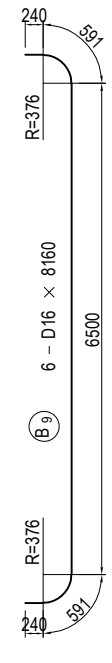
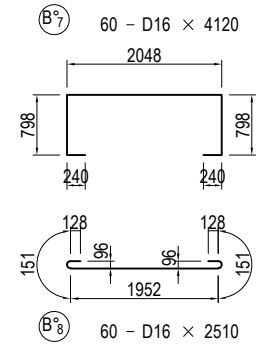
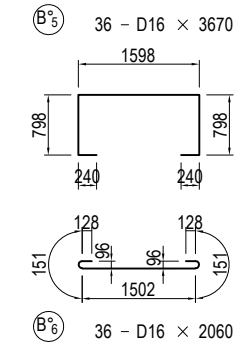
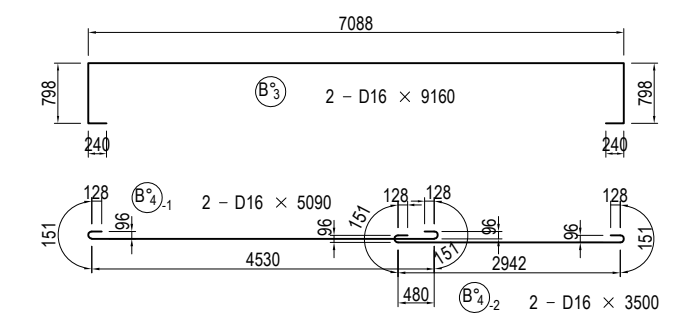
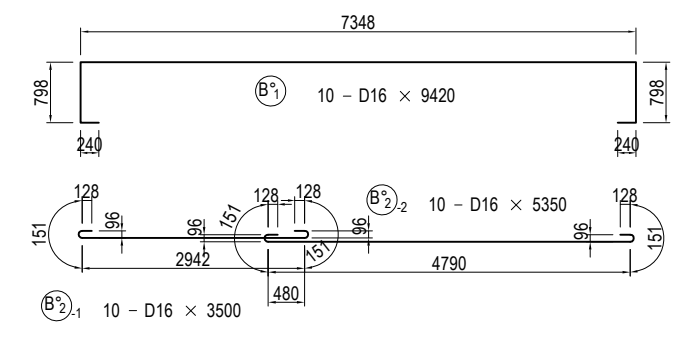
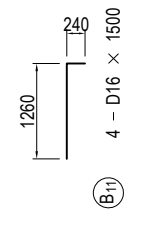
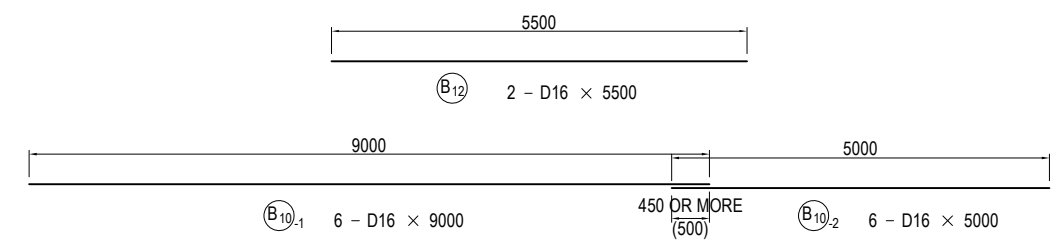
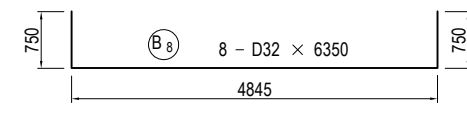
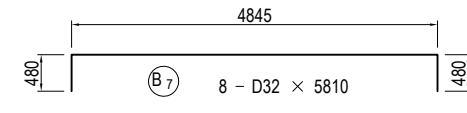
B ₃₋₁ 8 - D32 × 3960 (AVE)				
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B3-1 1	D32	2	2940	3420
2	"	2	3530	4010
3	"	2	3689	4169
4	"	2	3740	4220
AVE		8		3955



B ₄₋₂ 8 - D32 × 4500 (AVE)				
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B4-2 1	D32	2	3210	3960
2	"	2	3800	4550
3	"	2	3959	4709
4	"	2	4010	4760
AVE		8		4495



B₆ 20 - D32 × 2770



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P11 PIER (4) S=1:100

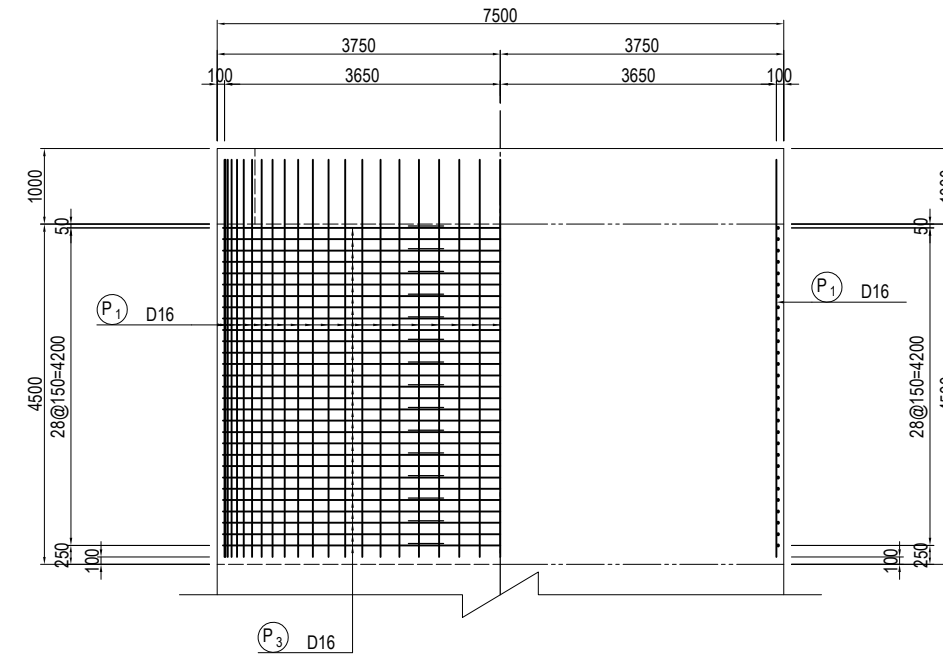
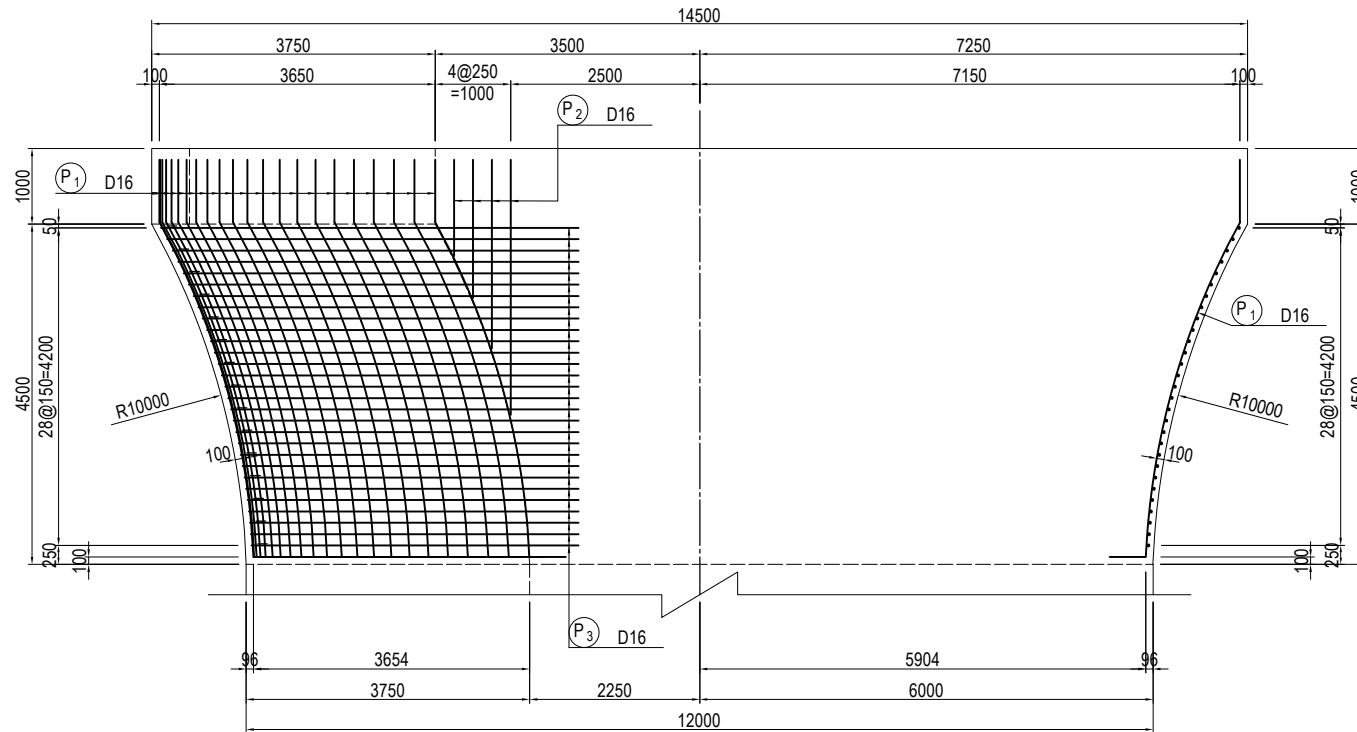
BEAM

FRONT ELEVATION
1 - 1

SECTION
2 - 2

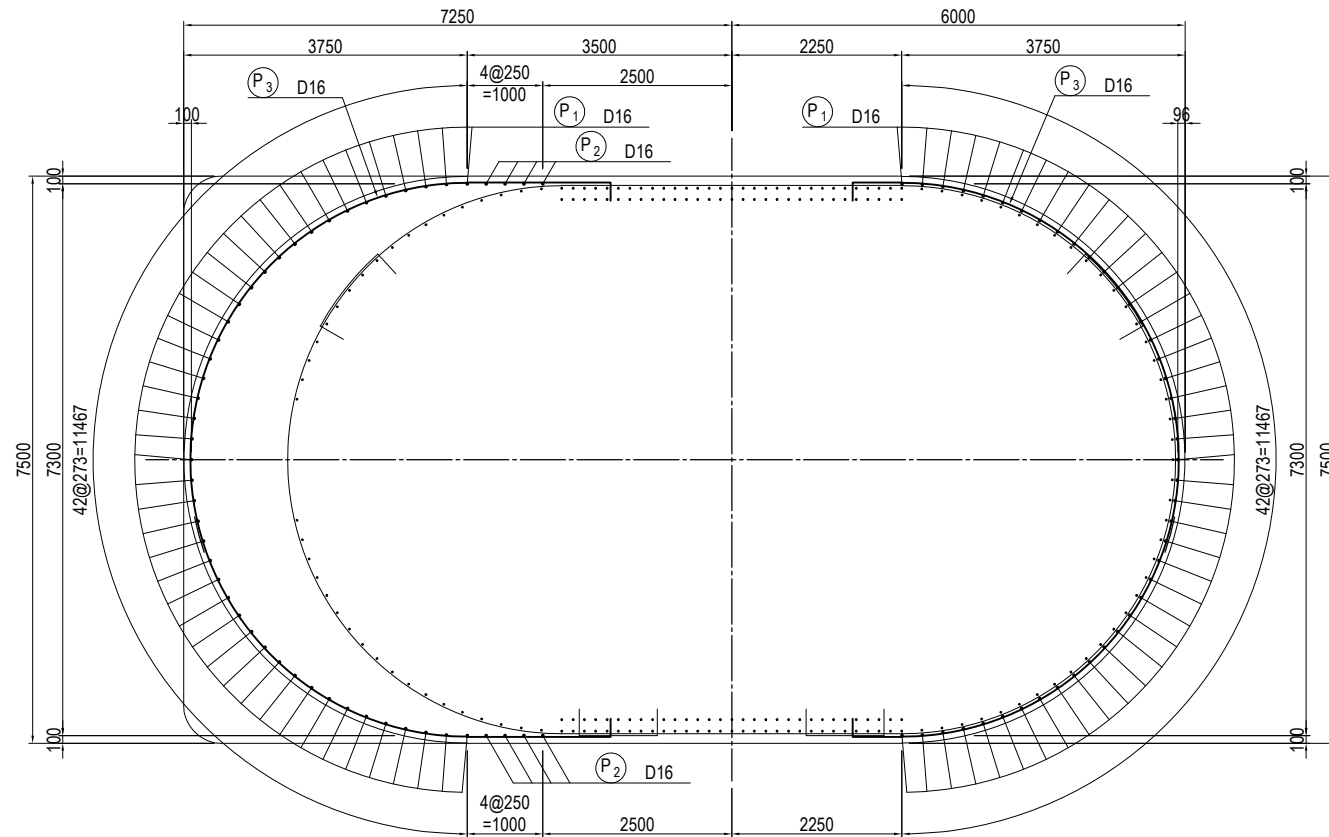
SIDE ELEVATION
3 - 3

SECTION
4 - 4

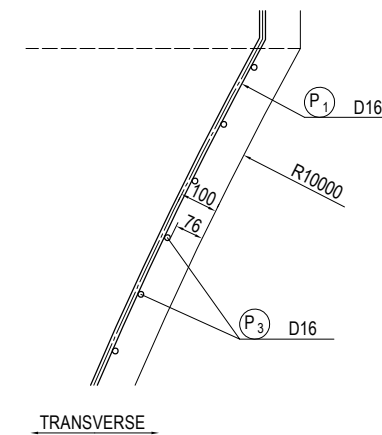


5 - 5 PLAN

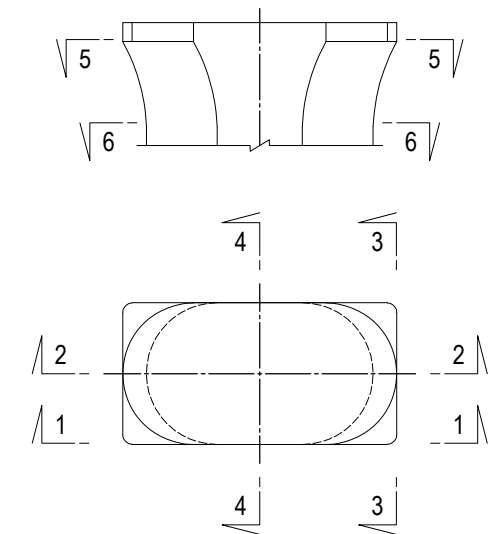
6 - 6



DETAIL OF WIDENED PART S=1:20



MARKING DIAGRAM

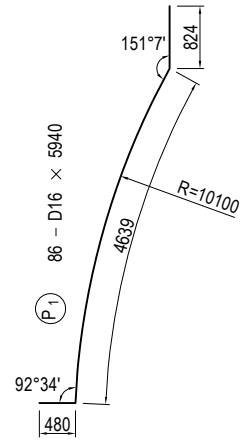


USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			BAR ARRANGEMENT OF P11 PIER (4)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-2106

BAR ARRANGEMENT OF P11 PIER (5) S=1:100 BEAM



(P₂) 16 - D16 × 2720 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P2	1	D16	4	1271	1751
	2	"	4	1826	2306
	3	"	4	2494	2974
	4	"	4	3371	3851
AVE			16		2721

(P₃₋₁) 58 - D16 × 6340 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P3-1	1	D16	2	1859	7099
	2	"	2	1779	7019
	3	"	2	1703	6943
	4	"	2	1629	6869
	5	"	2	1559	6799
	6	"	2	1492	6732
	7	"	2	1428	6668
	8	"	2	1366	6606
	9	"	2	1307	6547
	10	"	2	1251	6491
	11	"	2	1198	6438
	12	"	2	1147	6387
	13	"	2	1099	6339
	14	"	2	1054	6294
	15	"	2	1011	6251
	16	"	2	970	6210
	17	"	2	932	6172
	18	"	2	897	6137
	19	"	2	863	6103
	20	"	2	833	6073
	21	"	2	804	6044
	22	"	2	778	6018
	23	"	2	754	5994
	24	"	2	733	5973
	25	"	2	714	5954
	26	"	2	697	5937
	27	"	2	682	5922
	28	"	2	670	5910
	29	"	2	660	5900
AVE			58		6339

(P₃₋₂) 58 - D16 × 8340 (AVE)

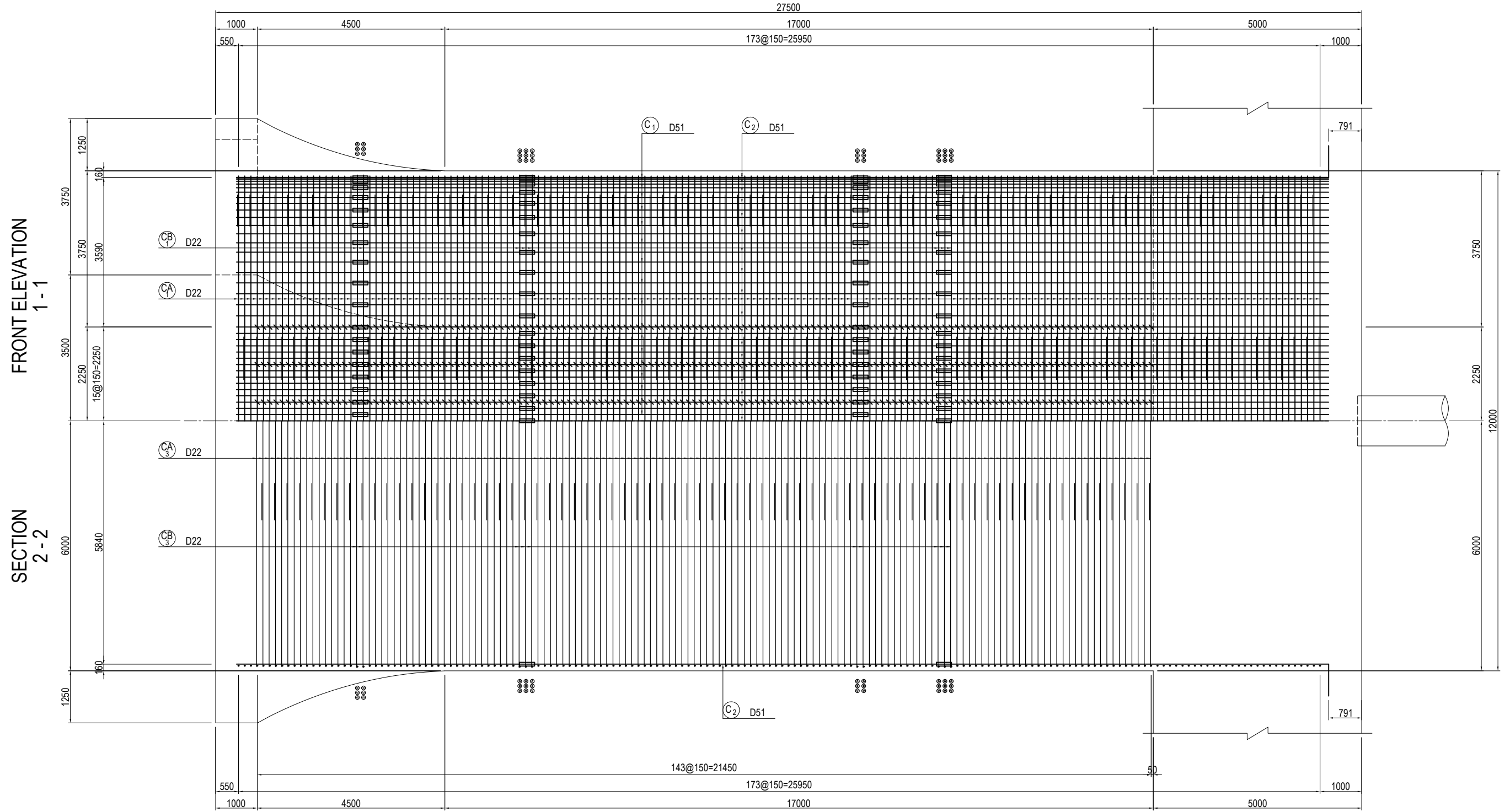
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P3-2	1	D16	2	1859	9096
	2	"	2	1779	9016
	3	"	2	1703	8940
	4	"	2	1629	8866
	5	"	2	1559	8796
	6	"	2	1492	8729
	7	"	2	1428	8665
	8	"	2	1366	8603
	9	"	2	1307	8544
	10	"	2	1251	8488
	11	"	2	1198	8435
	12	"	2	1147	8384
	13	"	2	1099	8336
	14	"	2	1054	8291
	15	"	2	1011	8248
	16	"	2	970	8207
	17	"	2	932	8169
	18	"	2	897	8134
	19	"	2	863	8100
	20	"	2	833	8070
	21	"	2	804	8041
	22	"	2	778	8015
	23	"	2	754	7991
	24	"	2	733	7970
	25	"	2	714	7951
	26	"	2	697	7934
	27	"	2	682	7919
	28	"	2	670	7907
	29	"	2	660	7897
AVE			58		8336

USE MATERIALS

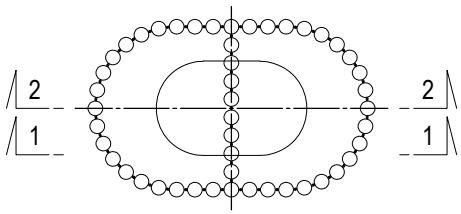
	CONCRETE	BAR
BEAM • COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 PIER (5)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2107

BAR ARRANGEMENT OF P11 PIER (6) S=1:100 COLUMN



MARKING DIAGRAM



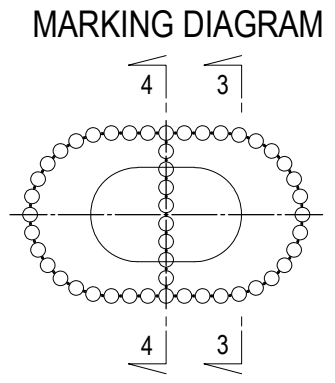
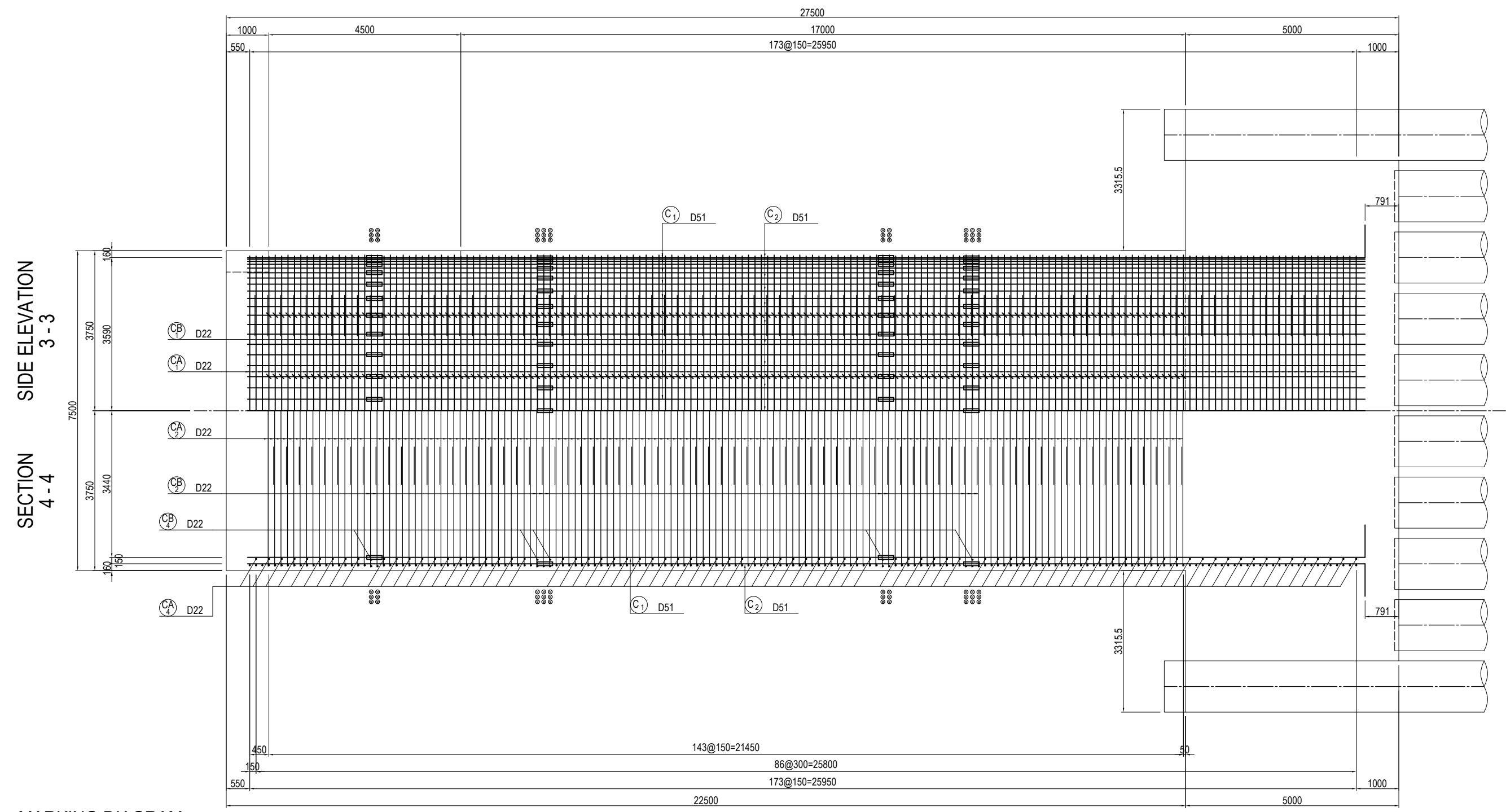
Notes) 1. : This mark indicates hoop arranged in the location of mechanical joint.
2. : This mark indicates a mechanical joint.

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P11 PIER (7) COLUMN

S=1:100



Notes) 1. : This mark indicates hoop arranged in the location of mechanical joint.
 2. : This mark indicates a mechanical joint.

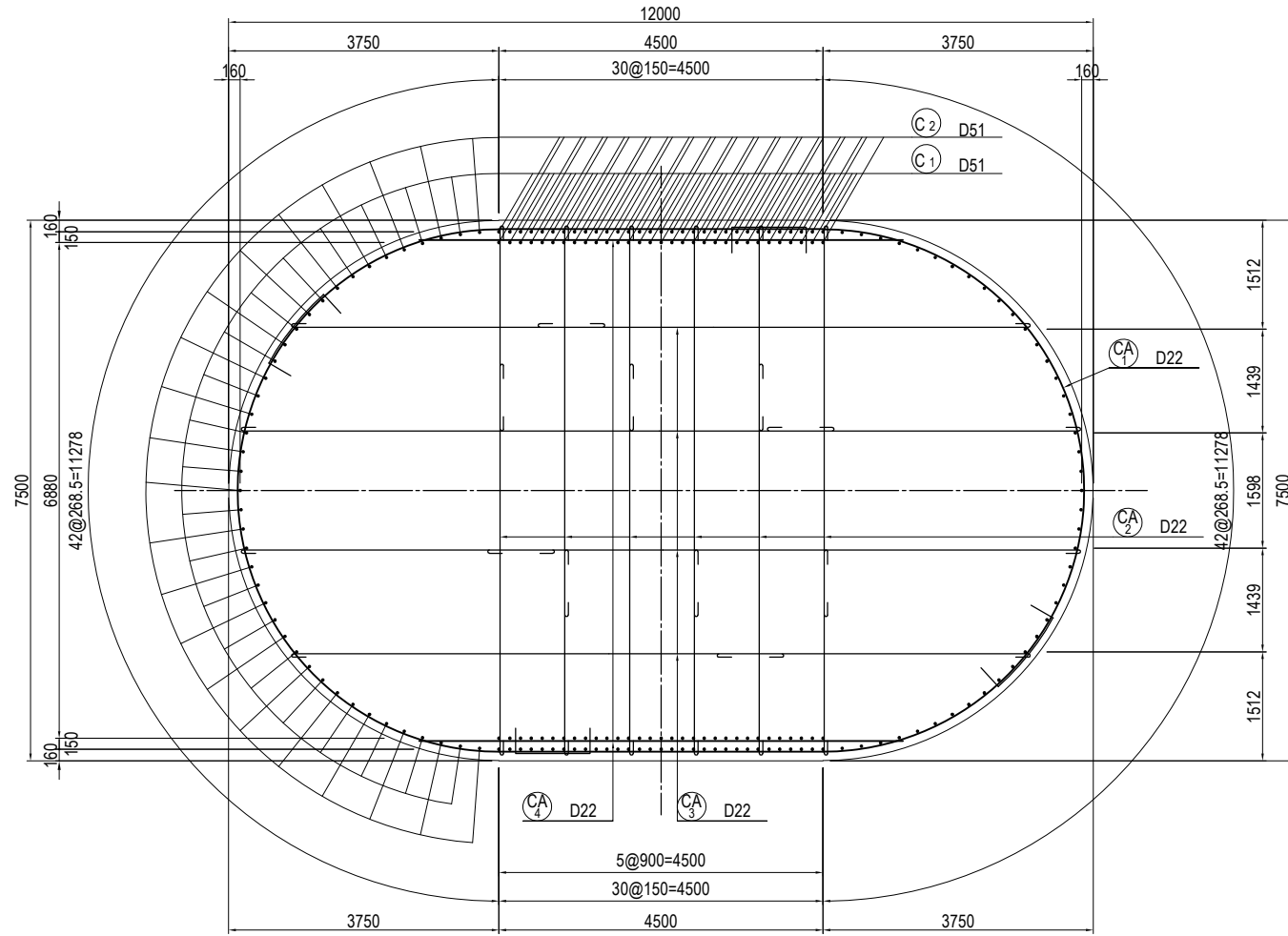
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

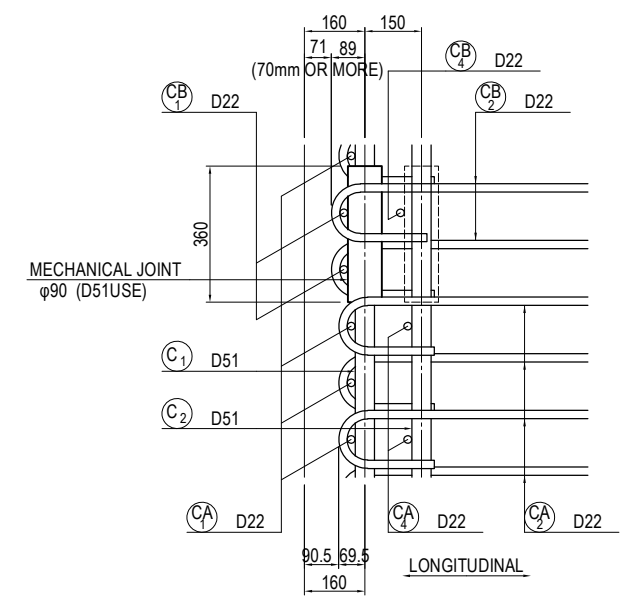
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P11 PIER (7)</h2>	PACKAGE 1 DWG No. P1-CS-2109
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P11 PIER (8) S=1:100 COLUMN

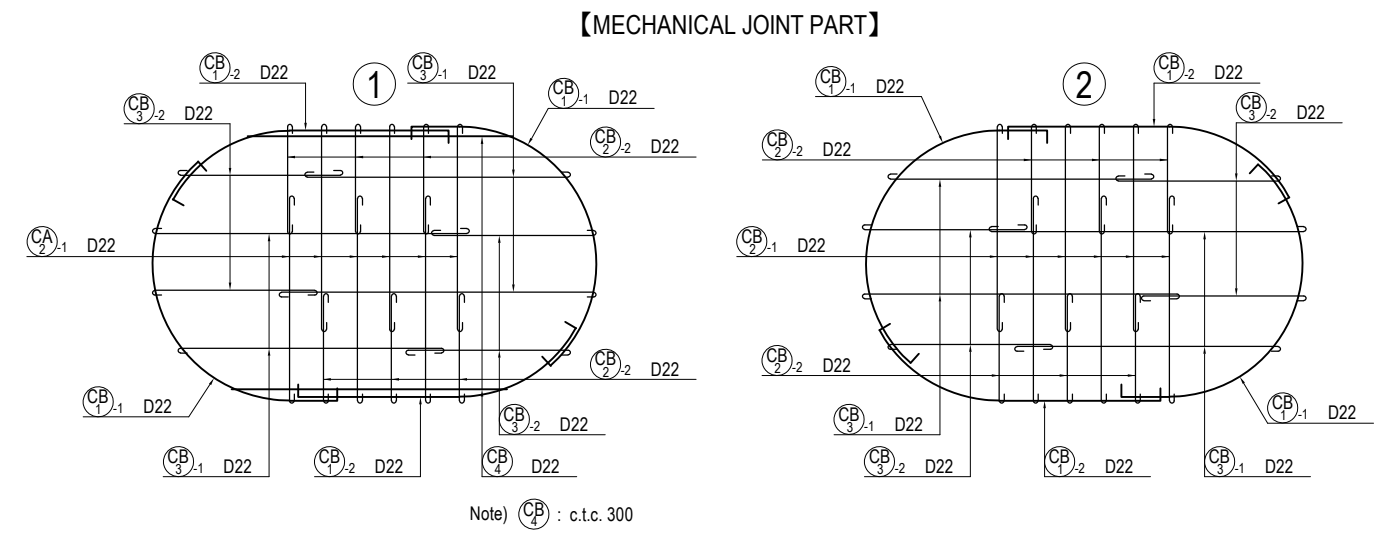
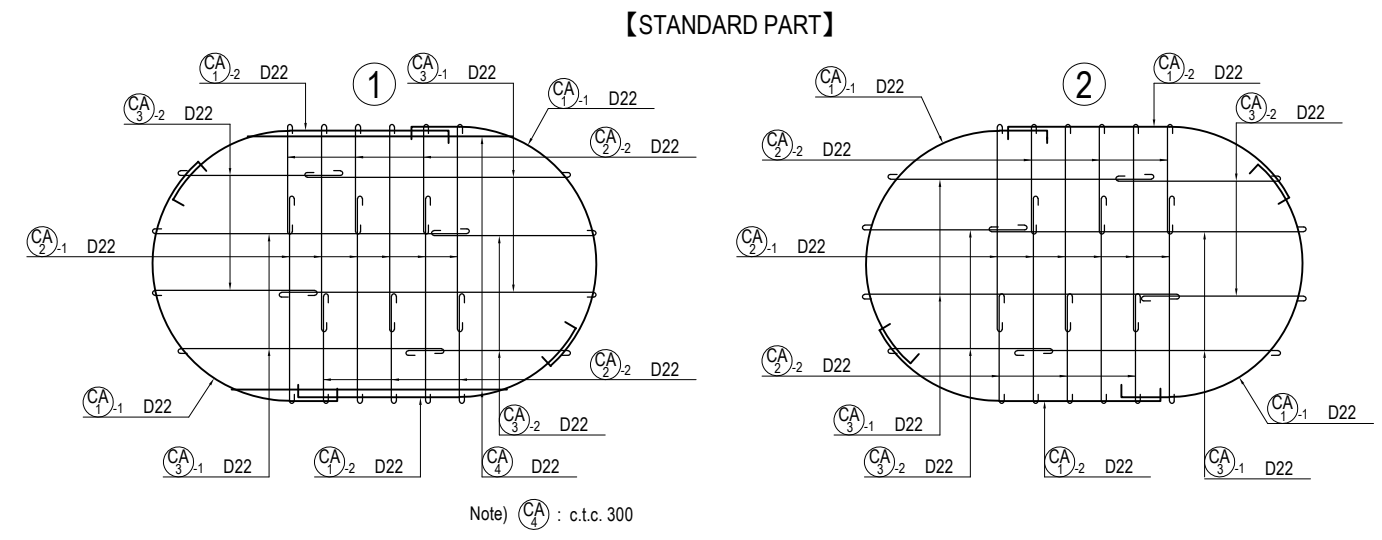
**PLAN
5-5**



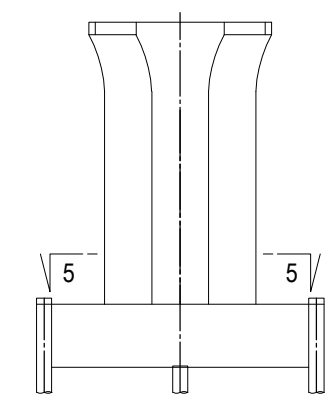
DETAIL OF COLUMN S=1:20



**ASSEMBLY DRAWING OF HOOP
(c.t.c. 150)**



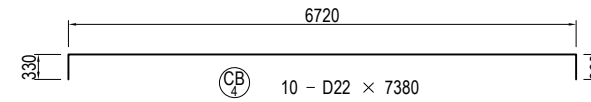
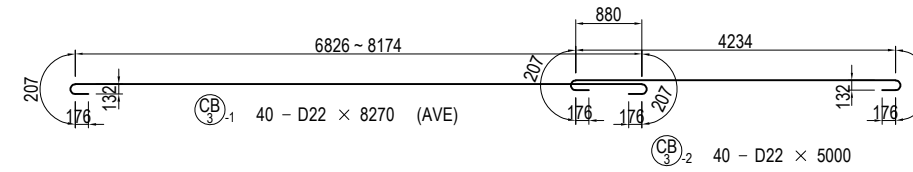
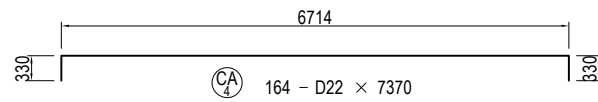
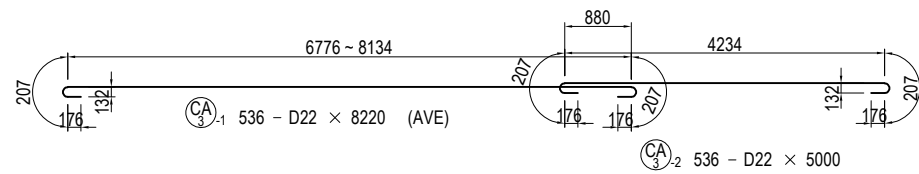
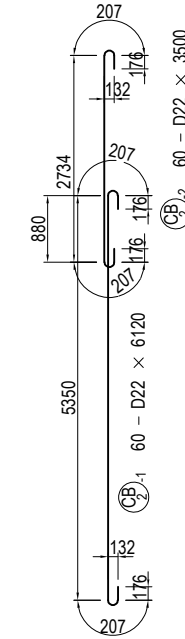
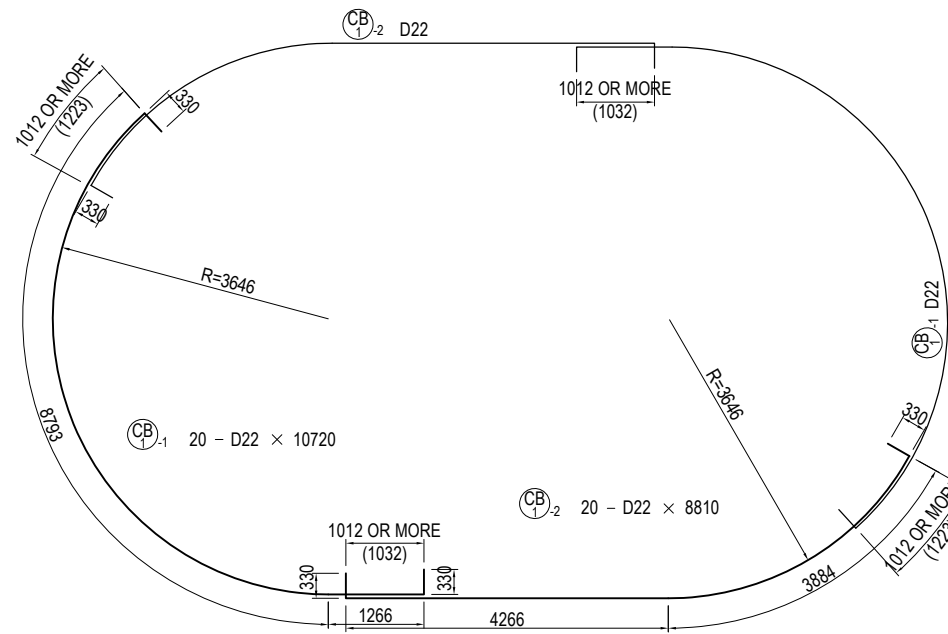
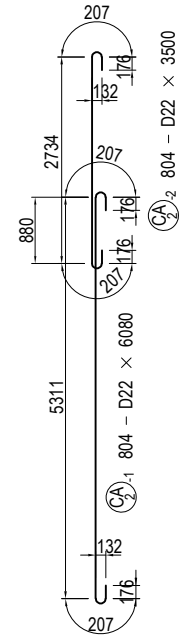
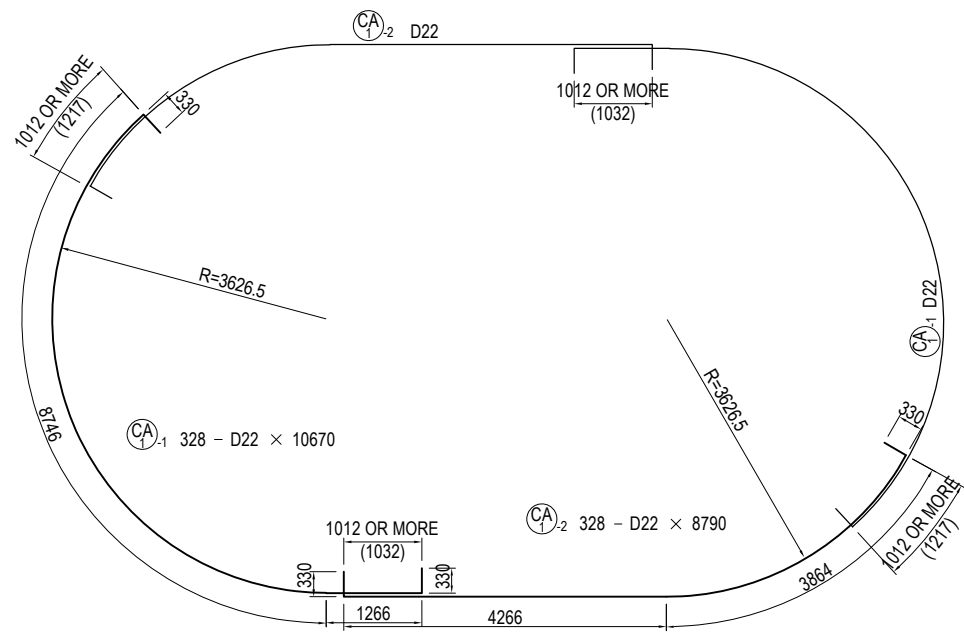
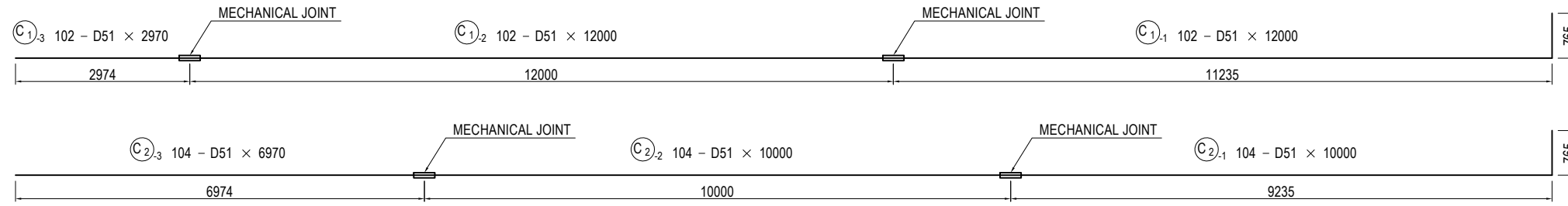
MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P11 PIER (9) S=1:100 COLUMN



LAP LENGTH LIST OF HOOP

DIA.	R	LAP LENGTH (40φ)	L
D13	39	520	598
D16	48	640	736
D19	57	760	874
D22	66	880	1012
D25	75	1000	1150
D29	87	1160	1334
D32	96	1280	1472

Note) : This mark indicates a mechanical joint.

USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 PIER (9)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2111

BAR ARRANGEMENT OF P11 PIER (10) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS	
B	1-1	D32	4500	18	6.23	28.04	505	┌
	1-2	"	12000	18	"	74.76	1346	└
	2-1	"	12000	18	"	74.76	1346	└
	2-2	"	5000	18	"	31.15	561	└
	3-1	"	3960	8	"	24.67	197	┌ (AVE)
	3-2	"	12000	8	"	74.76	598	└
	4-1	"	12000	8	"	74.76	598	└
	4-2	"	4500	8	"	28.04	224	└ (AVE)
	5	"	2230	20	"	13.89	278	┌
	6	"	2770	20	"	17.26	345	└
	7	"	5810	8	"	36.20	290	┌
	8	"	6350	8	"	39.56	316	└
	9	D16	8160	6	1.56	12.73	76	└
	10-1	"	9000	6	"	14.04	84	└
	10-2	"	5000	6	"	7.80	47	"
	11	"	1500	4	"	2.34	9	┌
	12	"	5500	2	"	8.58	17	└
						SUBTOTAL	6837	kg
B°	1	D16	9420	10	1.56	14.70	147	└
	2-1	"	3500	10	"	5.46	55	└
	2-2	"	5350	10	"	8.35	84	"
	3	"	9160	2	"	14.29	29	└
	4-1	"	5090	2	"	7.94	16	└
	4-2	"	3500	2	"	5.46	11	"
	5	"	3670	36	"	5.73	206	└
	6	"	2060	36	"	3.21	116	└
	7	"	4120	60	"	6.43	386	└
	8	"	2510	60	"	3.92	235	└
						SUBTOTAL	1285	kg
R	1-1	D16	5540	48	1.56	8.64	415	└
	1-2	"	3500	48	"	5.46	262	"
	2	"	5000	28	"	7.80	218	└
	3	"	6000	14	"	9.36	131	└
	4	"	6000	4	"	9.36	37	└
						SUBTOTAL	1063	kg
P	1	D16	5940	86	1.56	9.27	797	└
	2	"	2720	16	"	4.24	68	└ (AVE)
	3-1	"	6340	58	"	9.89	574	└ (AVE)
	3-2	"	8340	58	"	13.01	755	└ (AVE)
						SUBTOTAL	2194	kg

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS	
C	1-1	D51	12000	102	15.9	190.80	19462	└ (102)
	1-2	"	12000	102	"	190.80	19462	└ (102)
	1-3	"	2970	102	"	47.22	4816	└
	2-1	"	10000	104	"	159.00	16536	└ (104)
	2-2	"	10000	104	"	159.00	16536	└ (104)
	2-3	"	6970	104	"	110.82	11525	└
						SUBTOTAL	88337	kg
CA	1-1	D22	10670	328	3.04	32.44	10640	└
	1-2	"	8790	328	"	26.72	8764	└
	2-1	"	6080	804	"	18.48	14858	└
	2-2	"	3500	804	"	10.64	8555	"
	3-1	"	8220	536	"	24.99	13395	└ (AVE)
	3-2	"	5000	536	"	15.20	8147	"
	4	"	7370	164	"	22.40	3674	└
						SUBTOTAL	68033	kg
CB	1-1	D22	10720	20	3.04	32.59	652	└
	1-2	"	8810	20	"	26.78	536	└
	2-1	"	6120	60	"	18.60	1116	└
	2-2	"	3500	60	"	10.64	638	"
	3-1	"	8270	40	"	25.14	1006	└ (AVE)
	3-2	"	5000	40	"	15.20	608	"
	4	"	7380	10	"	22.44	224	└
						SUBTOTAL	4780	kg
(MECHANICAL JOINT)								
				D51	88337	kg	(412)	
				D32	6604	"		
				D22	72813	"		
				D16	4775	"		
					TOTAL	172529	kg (412)	

USE MATERIALS

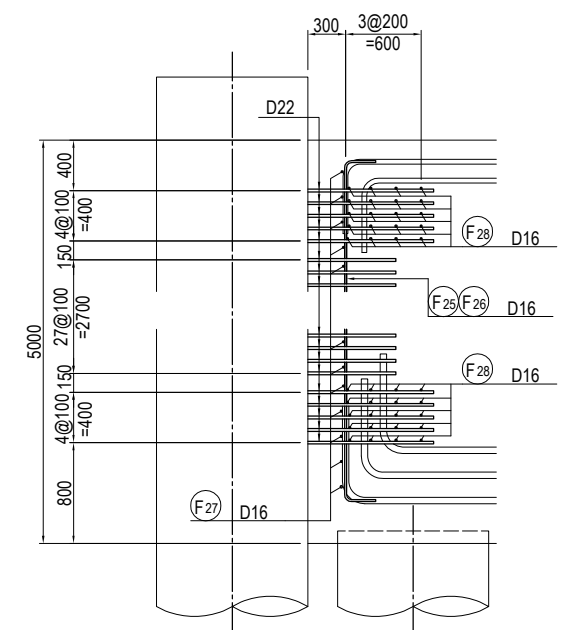
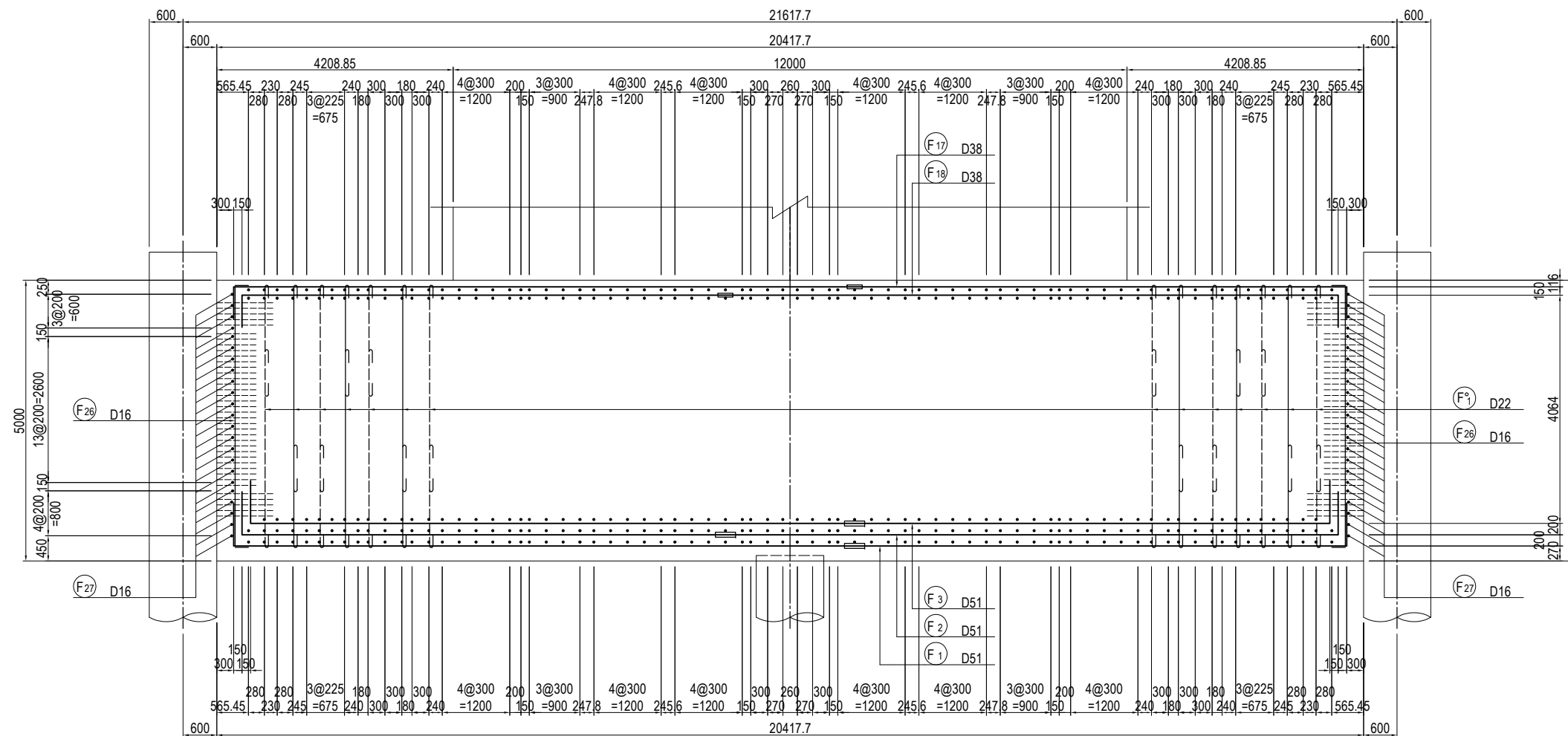
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P11 PIER (10)	<small>PACKAGE</small> 1 DWG No. P1-CS-2112
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

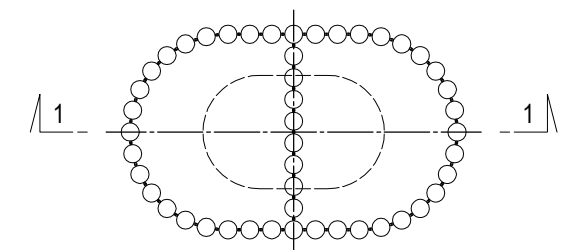
BAR ARRANGEMENT OF P11 FOOTING (1) S=1:100

SECTION 1 - 1

DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:60



MARKING DIAGRAM



USE MATERIALS

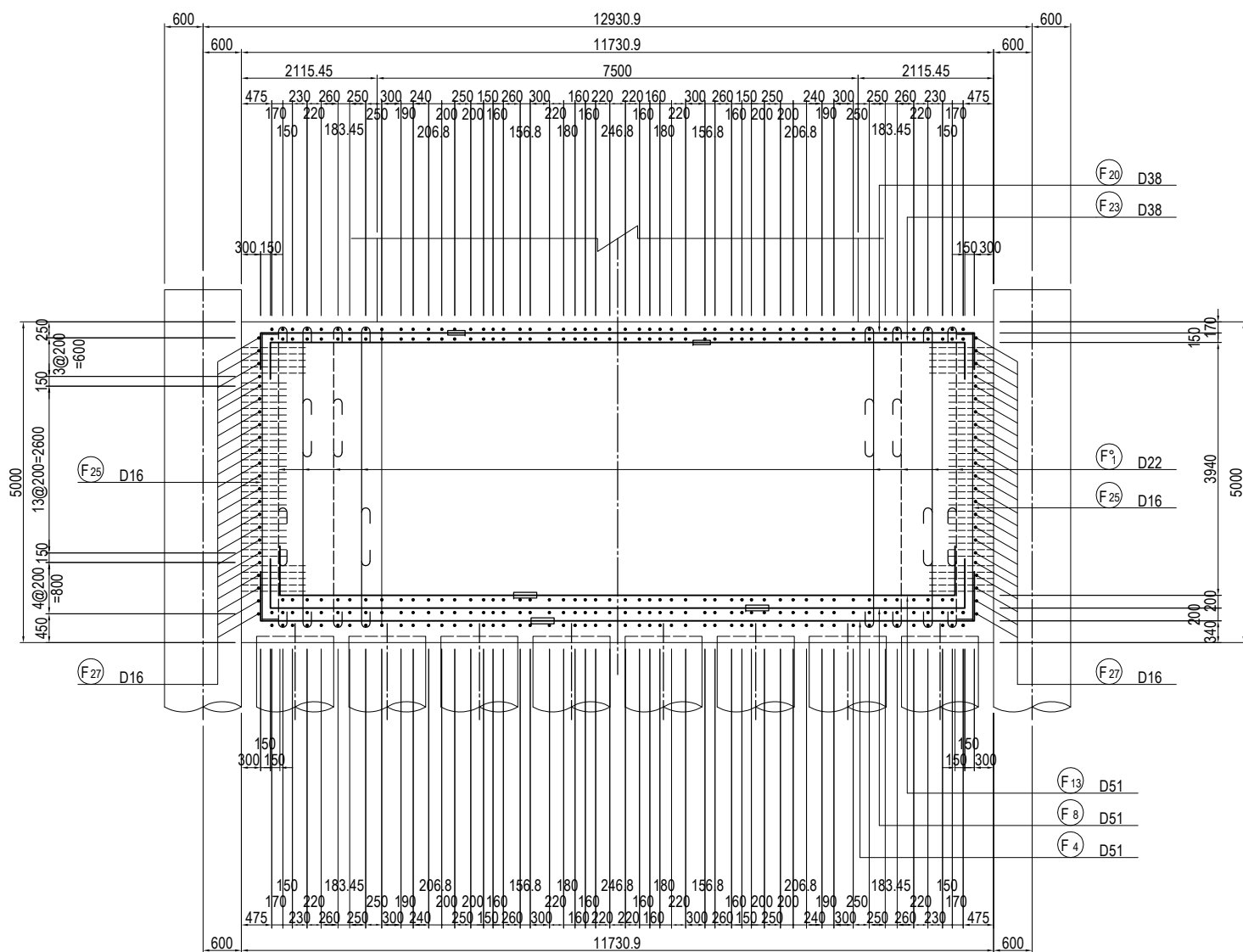
	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

Note) : MECHANICAL JOINT

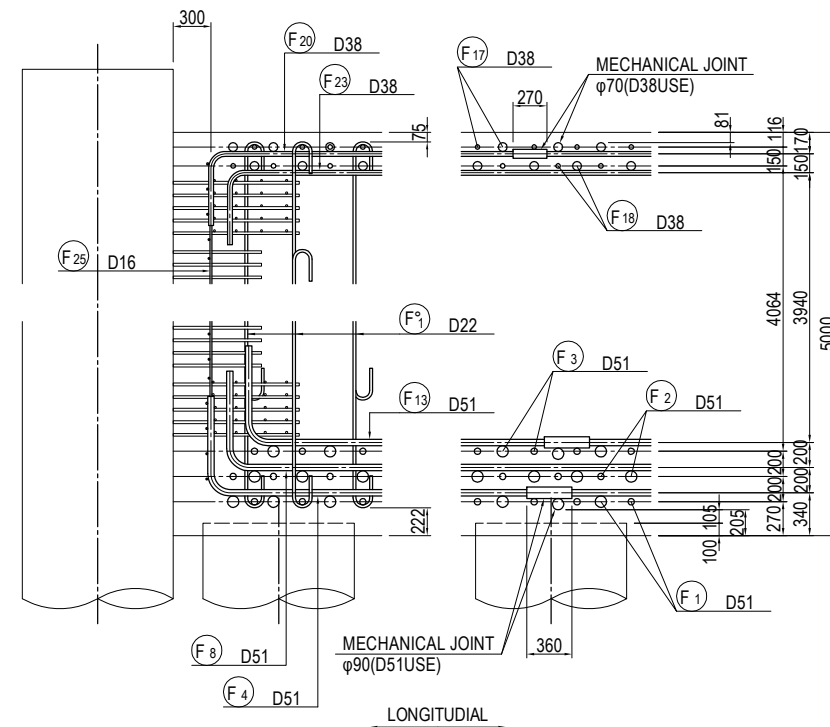
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 FOOTING (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2113

BAR ARRANGEMENT OF P11 FOOTING (2) S=1:100

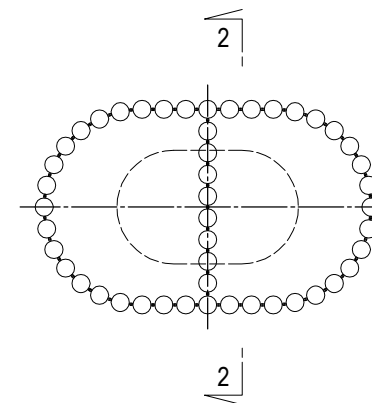
SECTION 2 - 2



DETAIL OF PILE CAP S=1:60



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

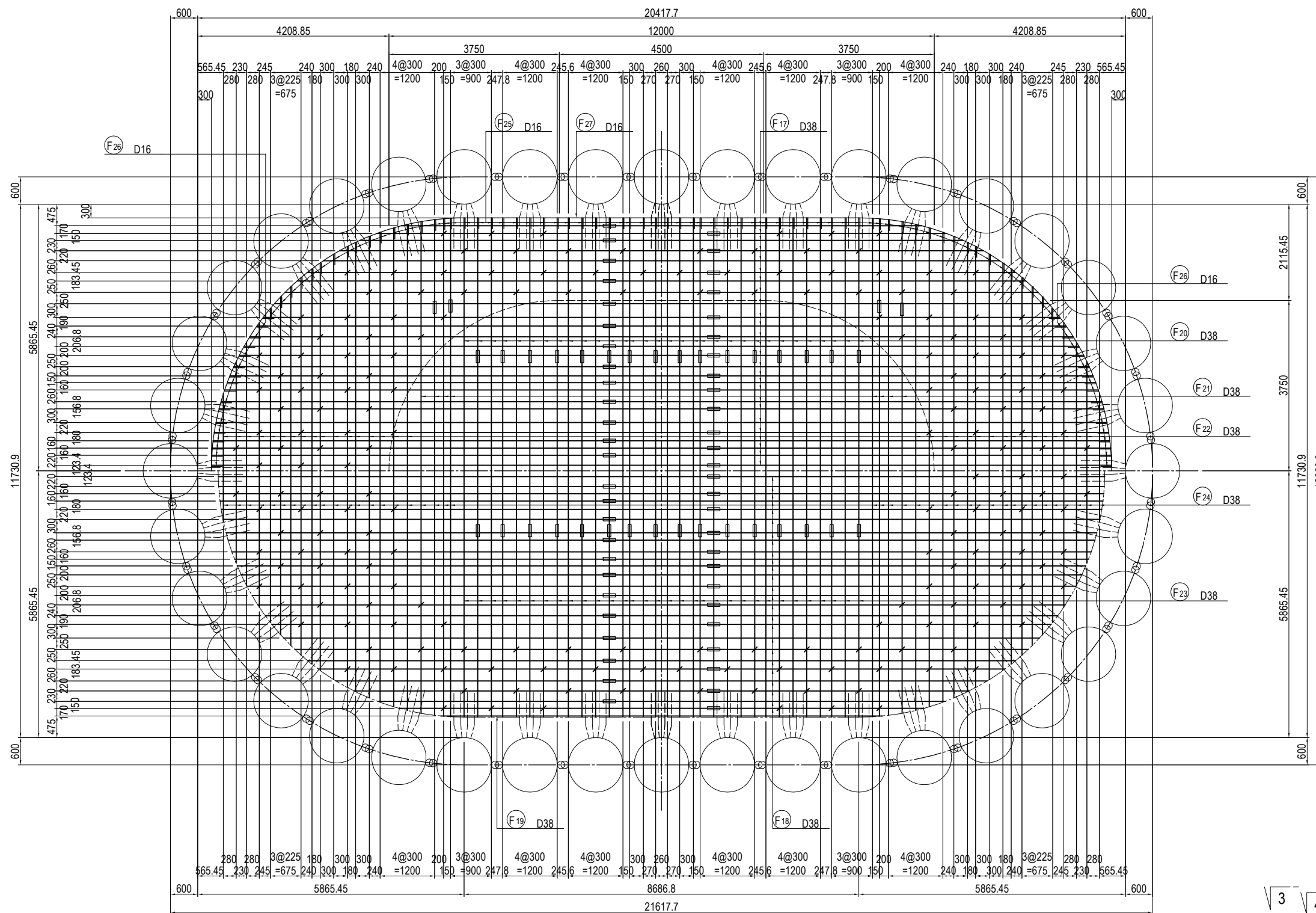
Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 FOOTING (2)	PACKAGE 1 DWG No. P1-CS-2114
---	--	---	--	---	-------------------	---	---------------------------------------

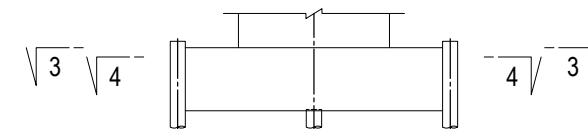
BAR ARRANGEMENT OF P11 FOOTING (3) S=1:100

PLAN 3-3

PLAN 4-4



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

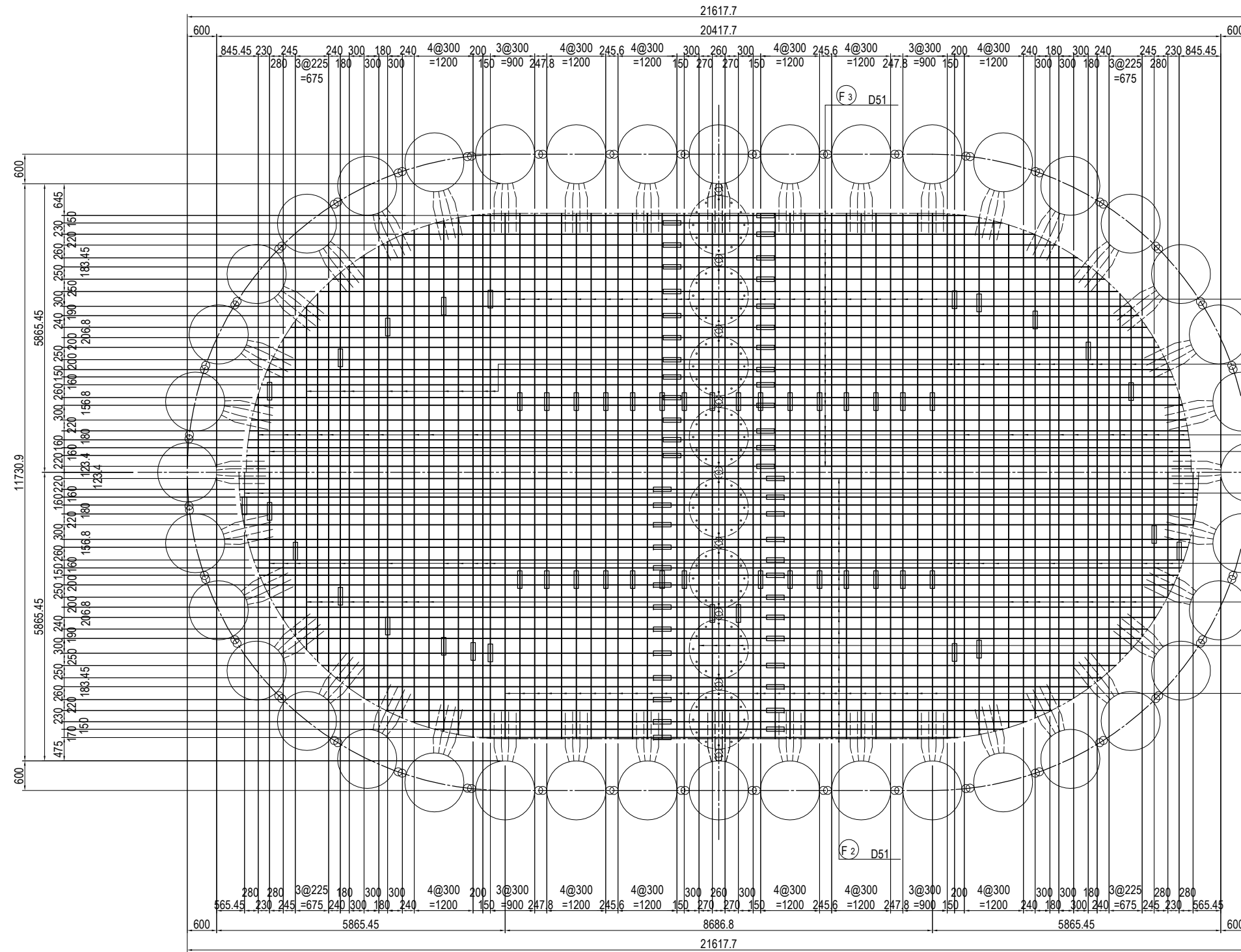
Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P11 FOOTING (3)</h2>	PACKAGE 1 DWG No. P1-CS-2115
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

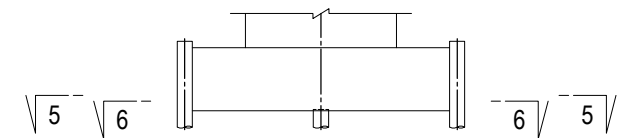
BAR ARRANGEMENT OF P11 FOOTING (4) S=1:100

PLAN
5-5

PLAN
6-6



MARKING DIAGRAM



USE MATERIALS

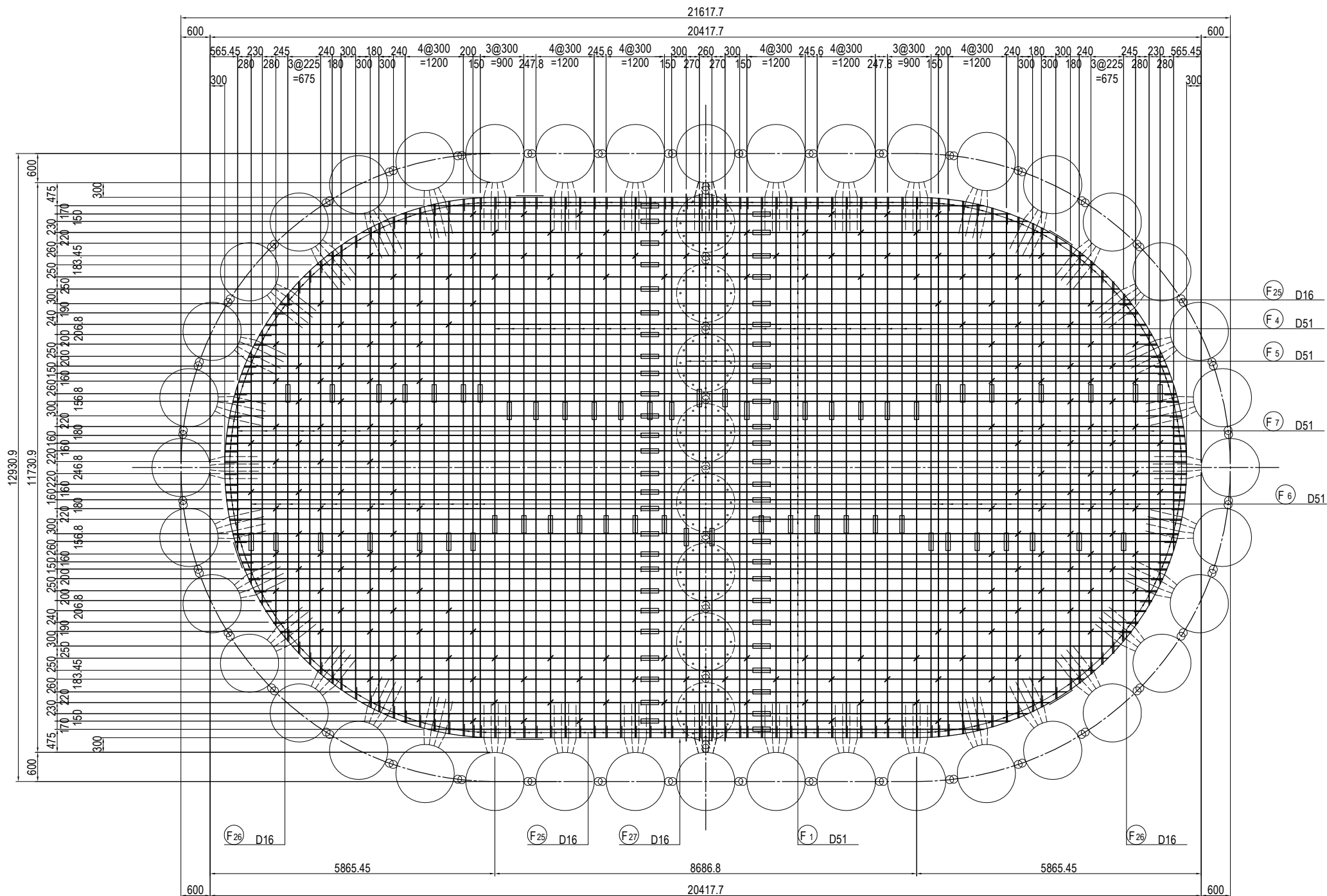
	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

Note) : MECHANICAL JOINT

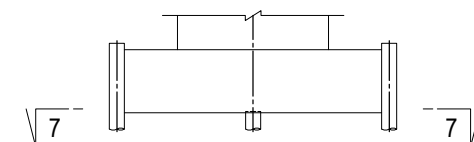
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">DRAWING TITLE</th> <th>PACKAGE</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">BAR ARRANGEMENT OF P11 FOOTING (4)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">P1-CS-2116</td> </tr> </tbody> </table>	DRAWING TITLE		PACKAGE	BAR ARRANGEMENT OF P11 FOOTING (4)		1			DWG No.			P1-CS-2116
	NAME	SIGNATURE	DATE																														
PREPARED BY	T. TOMODA																																
CHECKED BY	T. HAYAKAWA																																
APPROVED BY	Y. SANO																																
DRAWING TITLE		PACKAGE																															
BAR ARRANGEMENT OF P11 FOOTING (4)		1																															
		DWG No.																															
		P1-CS-2116																															

BAR ARRANGEMENT OF P11 FOOTING (5) S=1:100

PLAN
7-7



MARKING DIAGRAM



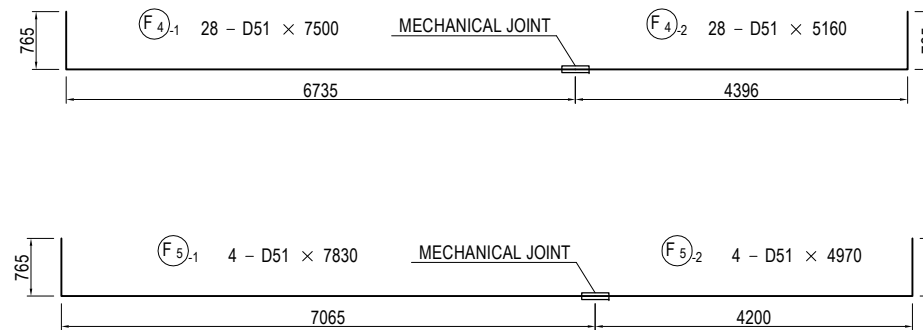
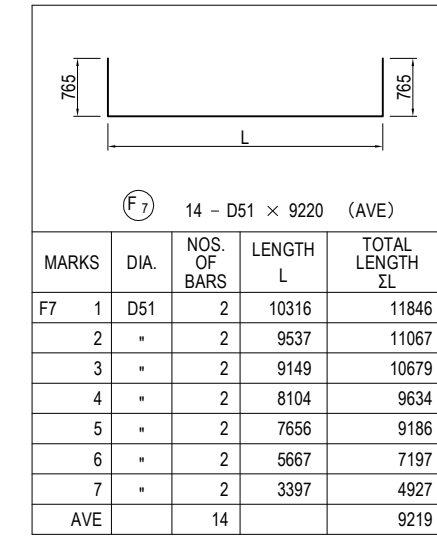
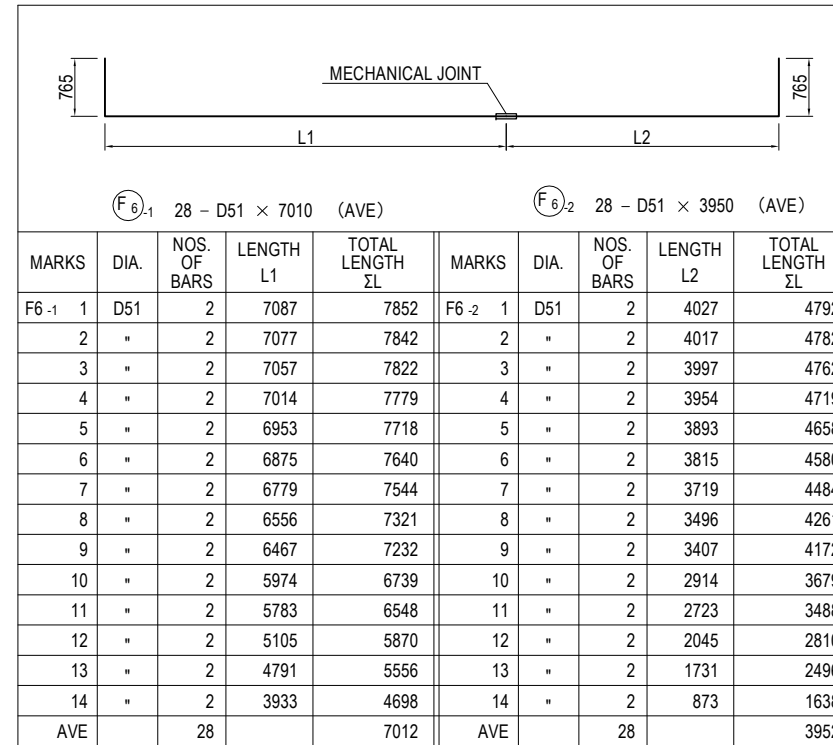
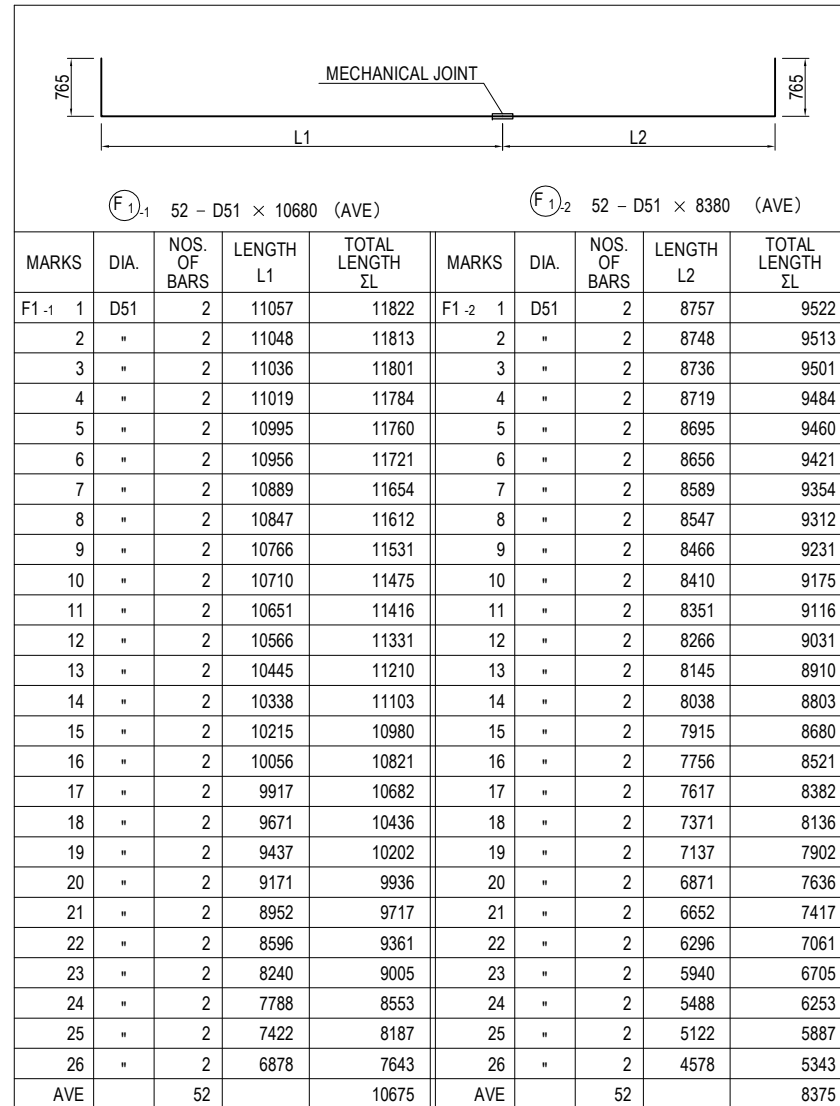
USE MATERIALS

	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
				PREPARED BY	T. TOMODA			
	CHECKED BY	T. HAYAKAWA				DWG No.		
	APPROVED BY	Y. SANO				P1-CS-2117		

BAR ARRANGEMENT OF P11 FOOTING (6) S=1:100

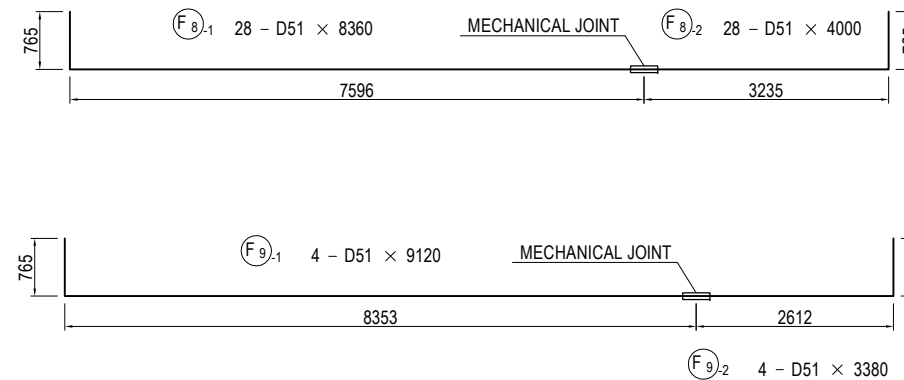
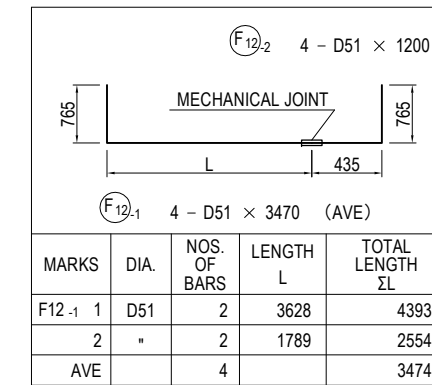
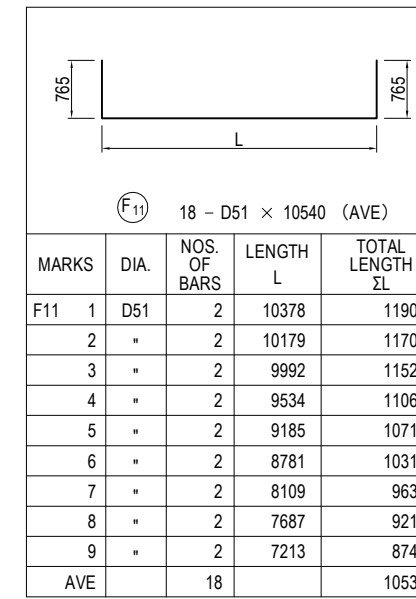
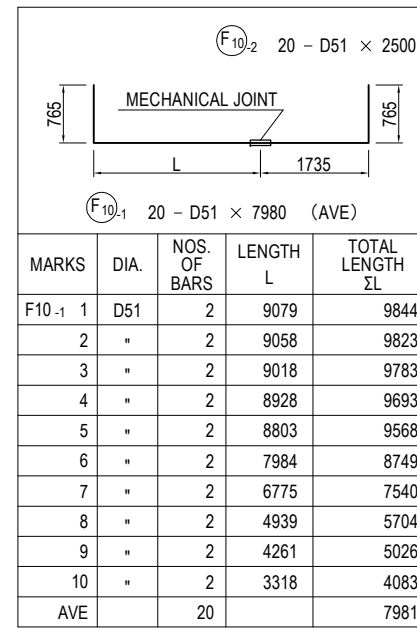
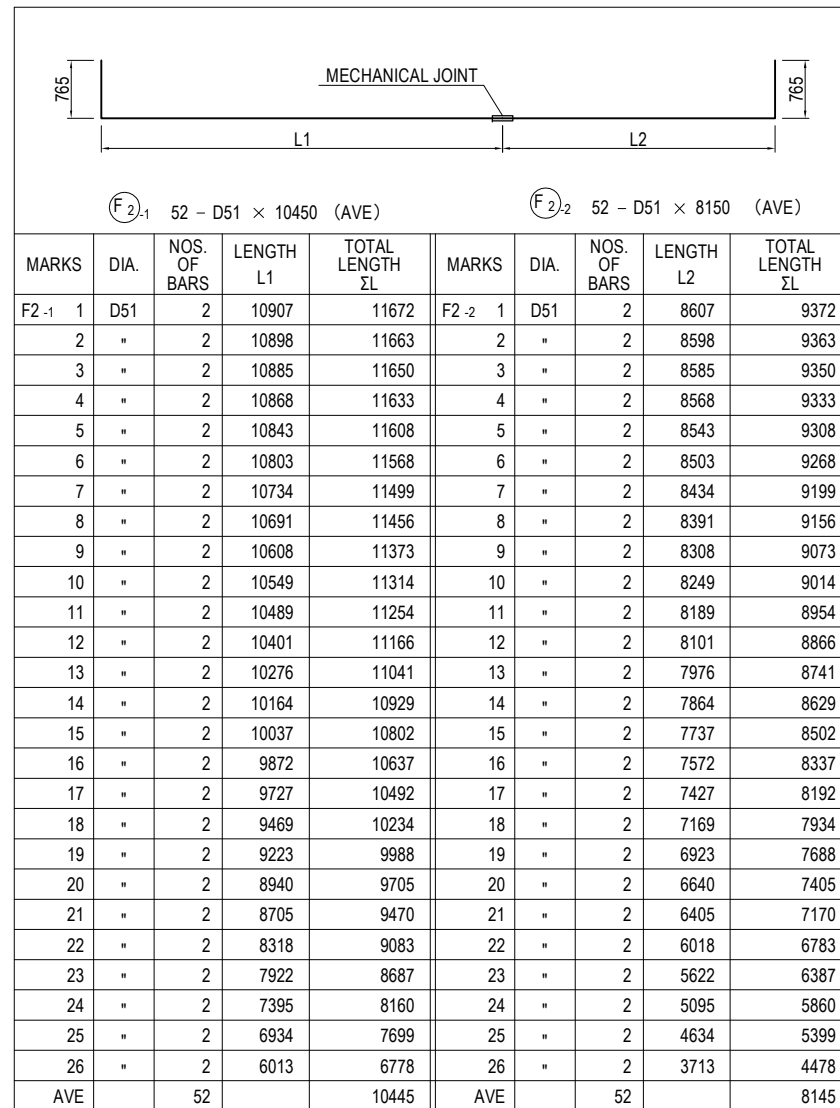


USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P11 FOOTING (6)</h3>	PACKAGE 1 DWG No. P1-CS-2118
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P11 FOOTING (7) S=1:100

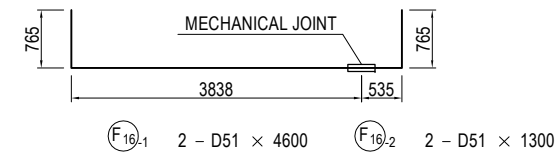
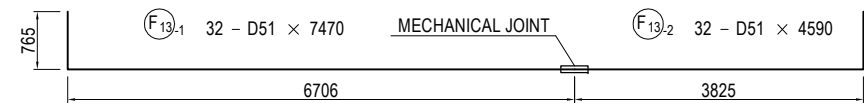
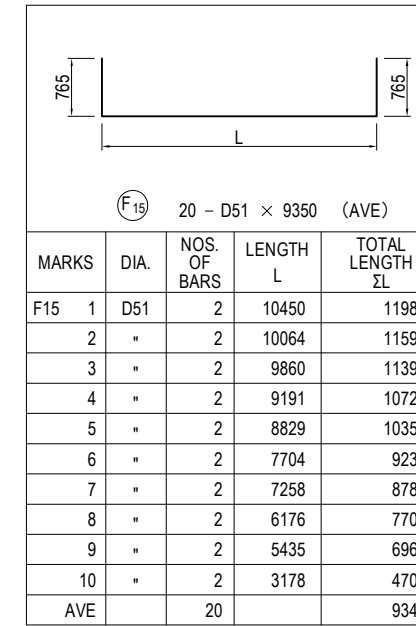
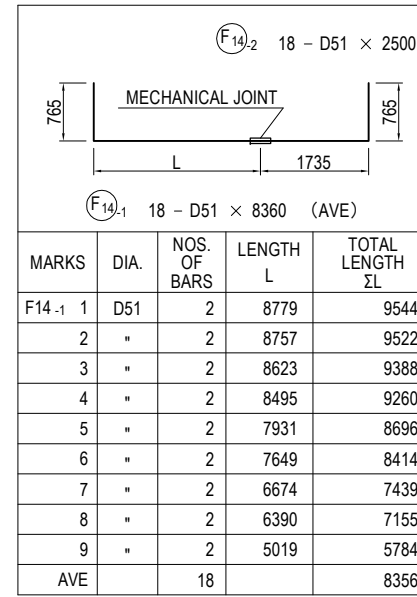
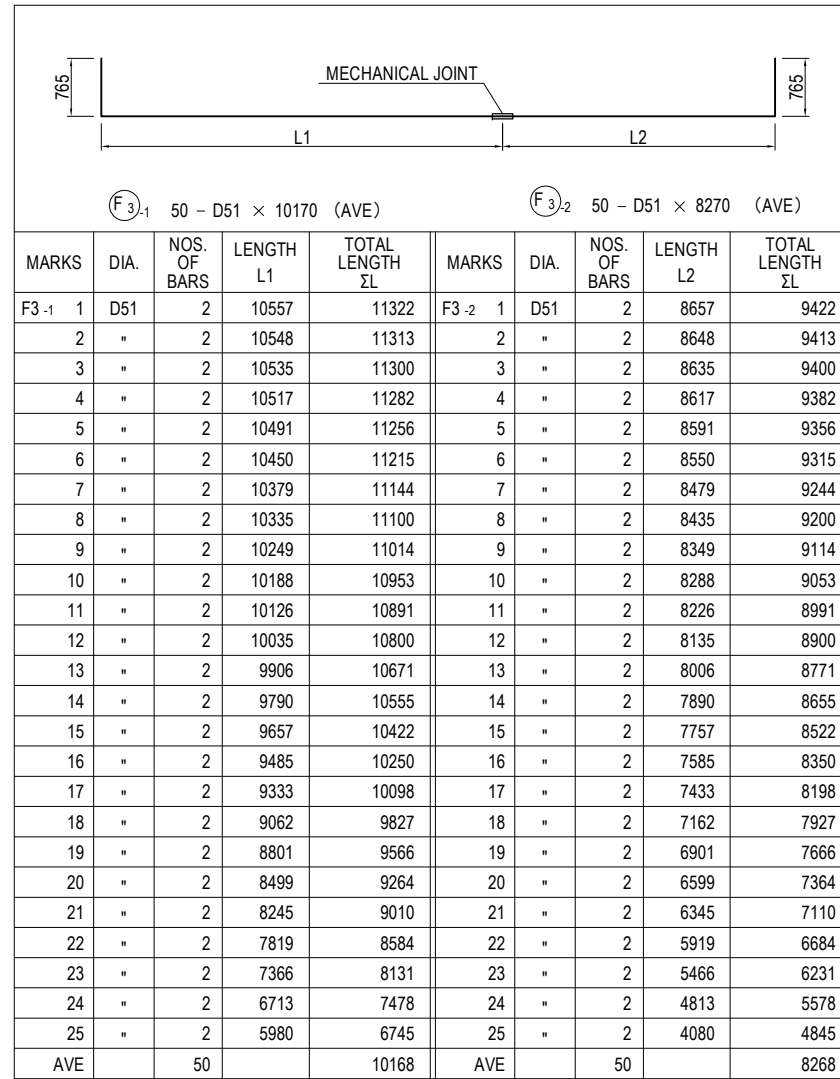


USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">DRAWING TITLE</th> <th>PACKAGE</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">BAR ARRANGEMENT OF P11 FOOTING (7)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">P1-CS-2119</td> </tr> </tbody> </table>	DRAWING TITLE		PACKAGE	BAR ARRANGEMENT OF P11 FOOTING (7)		1			DWG No.			P1-CS-2119
	NAME	SIGNATURE	DATE																														
PREPARED BY	T. TOMODA																																
CHECKED BY	T. HAYAKAWA																																
APPROVED BY	Y. SANO																																
DRAWING TITLE		PACKAGE																															
BAR ARRANGEMENT OF P11 FOOTING (7)		1																															
		DWG No.																															
		P1-CS-2119																															

BAR ARRANGEMENT OF P11 FOOTING (8) S=1:100

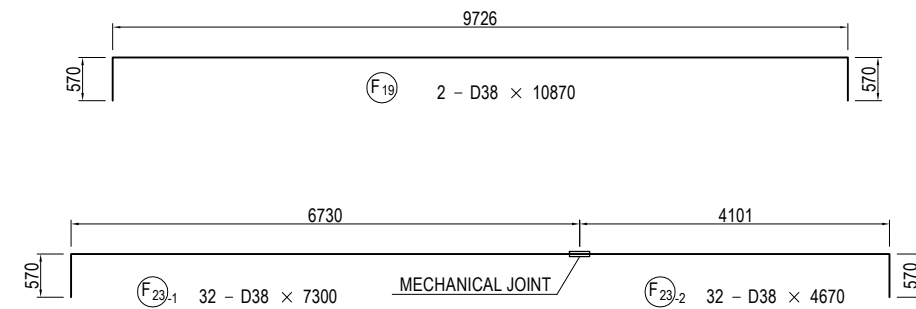
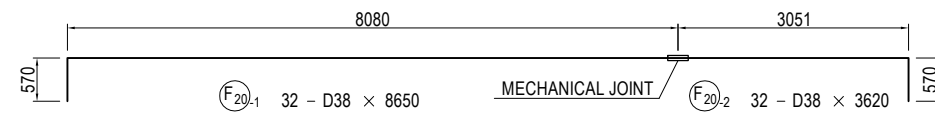
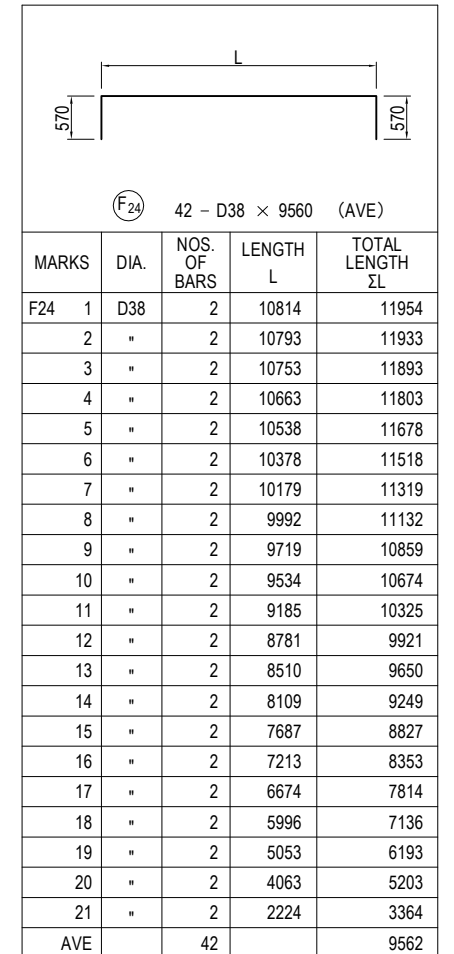
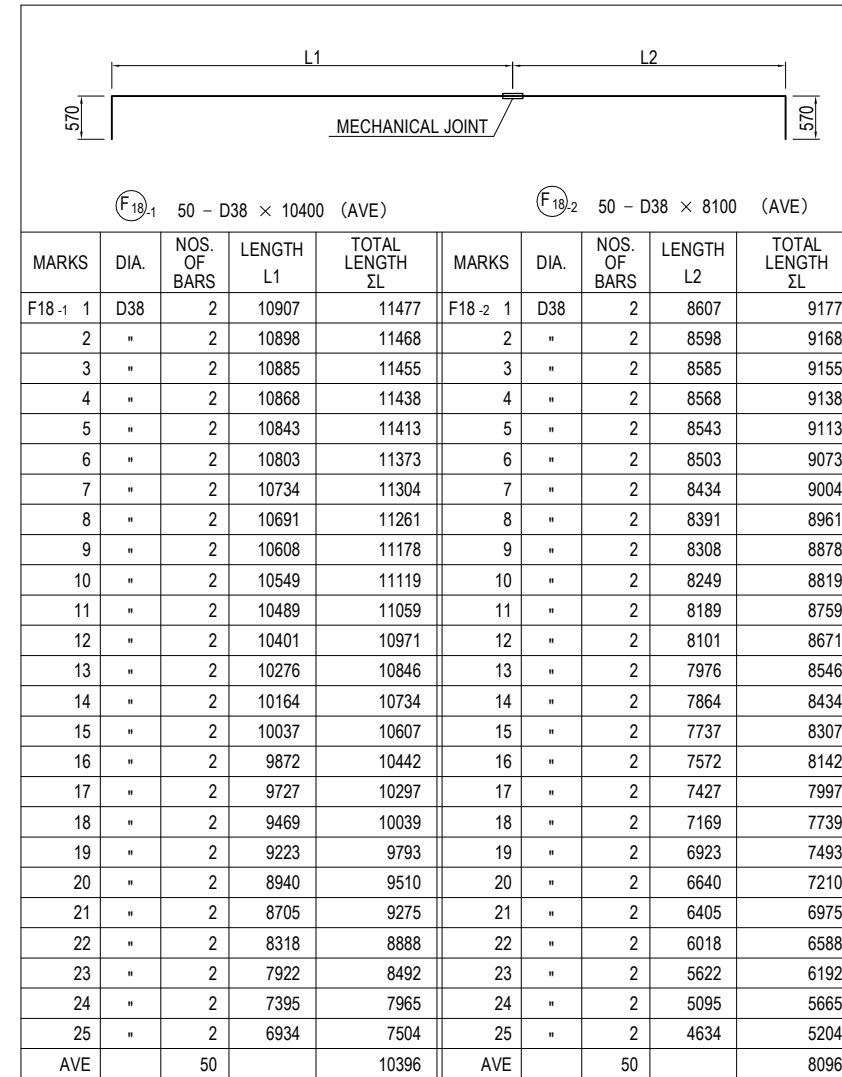
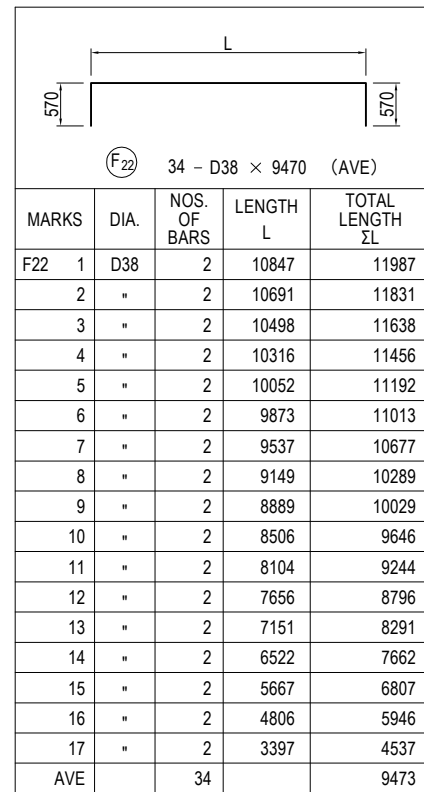
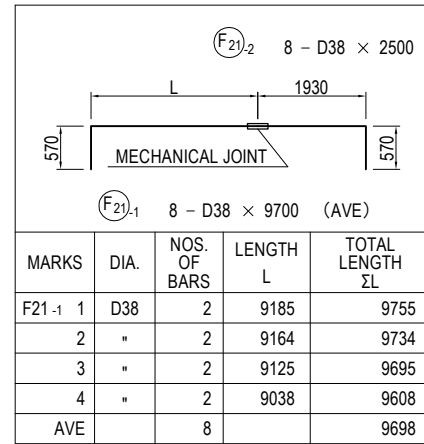
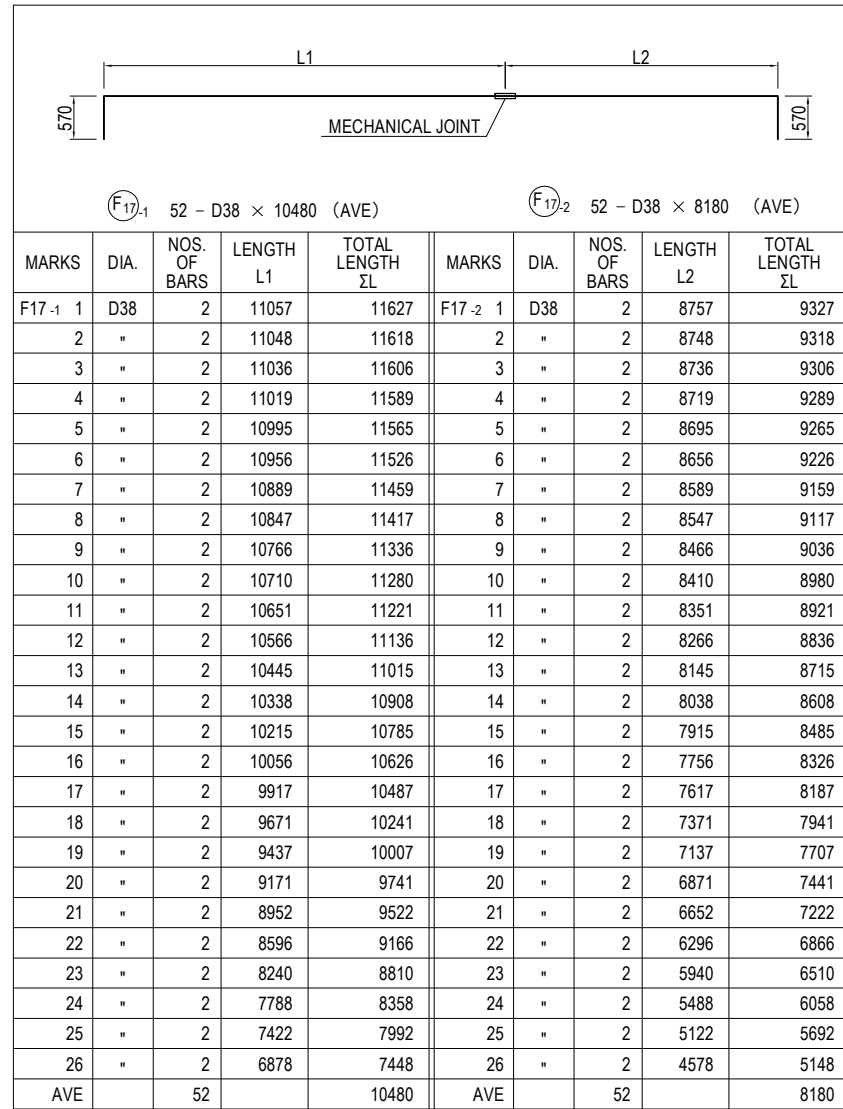


USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P11 FOOTING (8)</h2>	PACKAGE 1 DWG No. P1-CS-2120
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P11 FOOTING (9) S=1:100

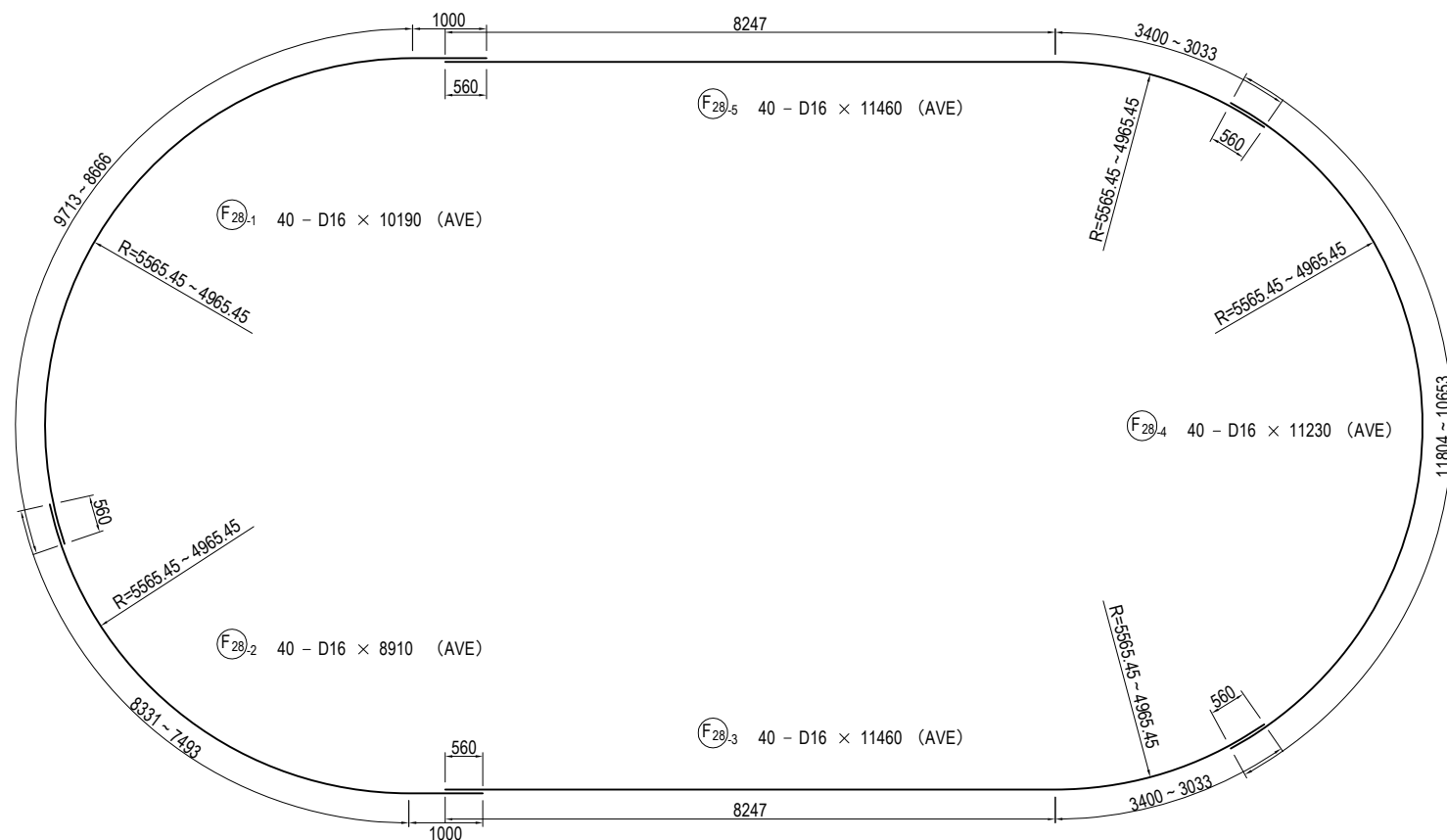
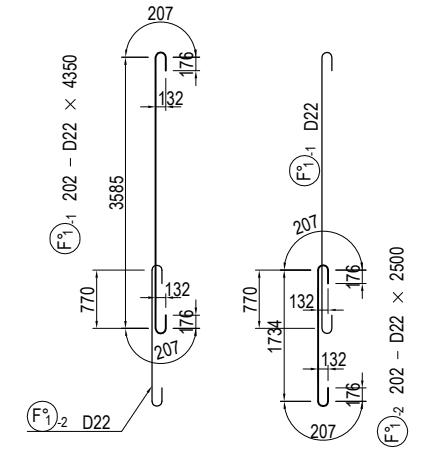
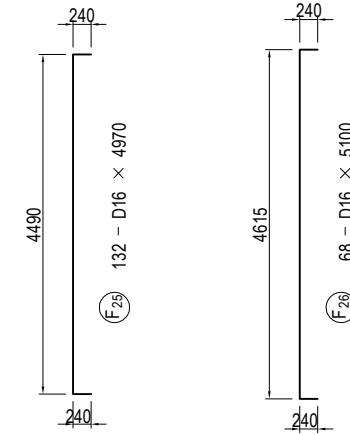
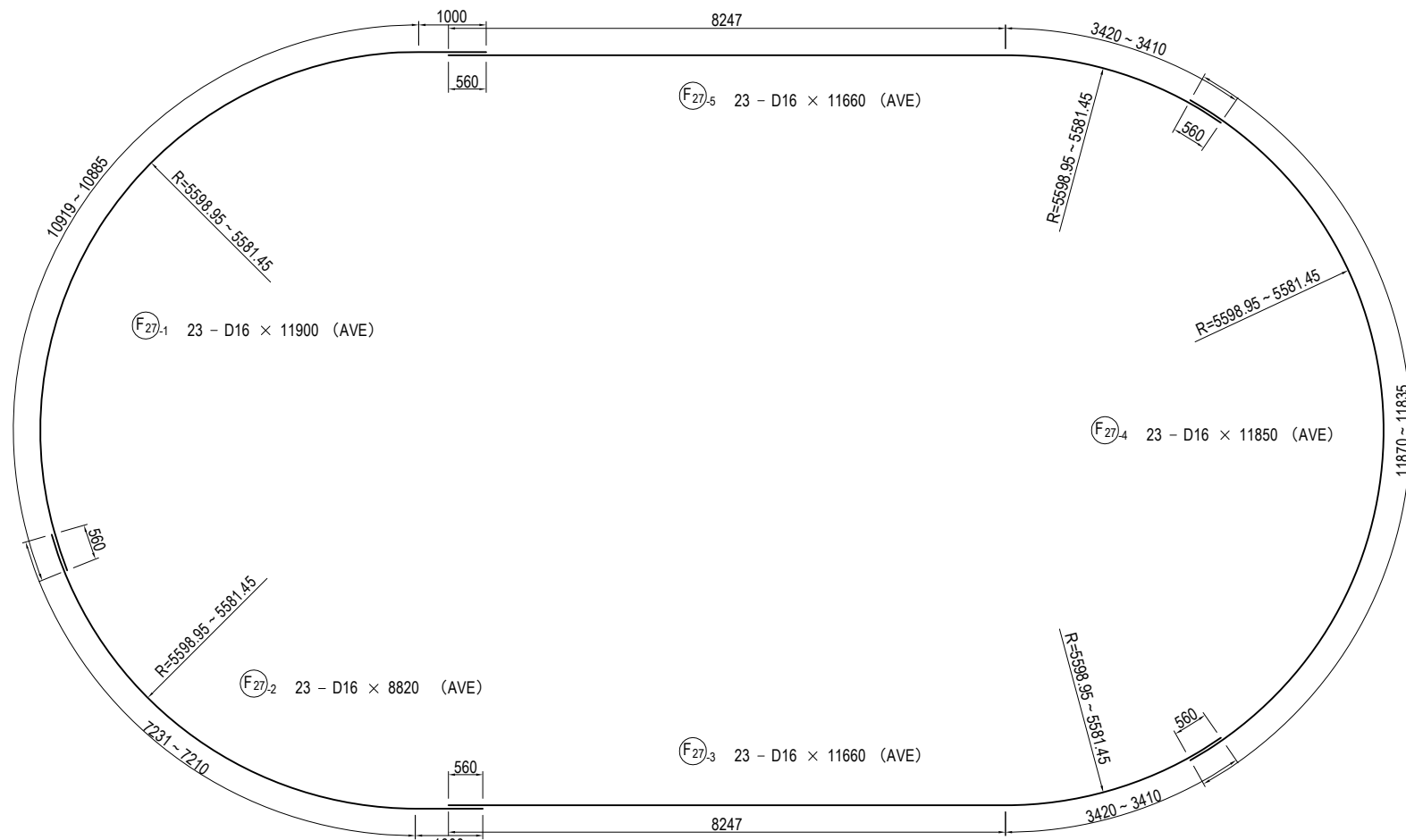


USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 FOOTING (9)	PACKAGE 1 DWG No. P1-CS-2121
---	--	---	--	---	-----------	------	--	---------------------------------------

BAR ARRANGEMENT OF P111 FOOTING (10) S=1:100



Note) The joint position of the reinforcing bar is rotated 180 degrees for each step arranged.

USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 FOOTING (10)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2122

BAR ARRANGEMENT OF P11 FOOTING (11) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 1-1	D51	10680	52	15.9	169.81	8830	┌ (52) (AVE)
1-2	"	8380	52	"	133.24	6928	┌ (AVE)
2-1	"	10450	52	"	166.16	8640	┌ (52) (AVE)
2-2	"	8150	52	"	129.59	6739	┌ (AVE)
3-1	"	10170	50	"	161.70	8085	┌ (50) (AVE)
3-2	"	8270	50	"	131.49	6575	┌ (AVE)
4-1	"	7500	28	"	119.25	3339	┌ (28)
4-2	"	5160	28	"	82.04	2297	┌
5-1	"	7830	4	"	124.50	498	┌ (4)
5-2	"	4970	4	"	79.02	316	┌
6-1	"	7010	28	"	111.46	3121	┌ (28) (AVE)
6-2	"	3950	28	"	62.81	1759	┌ (AVE)
7	"	9220	14	"	146.60	2052	┌ (AVE)
8-1	"	8360	28	"	132.92	3722	┌ (28)
8-2	"	4000	28	"	63.60	1781	┌
9-1	"	9120	4	"	145.01	580	┌ (4)
9-2	"	3380	4	"	53.74	215	┌
10-1	"	7980	20	"	126.88	2538	┌ (20) (AVE)
10-2	"	2500	20	"	39.75	795	┌
11	"	10540	18	"	167.59	3017	┌ (AVE)
12-1	"	3470	4	"	55.17	221	┌ (4) (AVE)
12-2	"	1200	4	"	19.08	76	┌
13-1	"	7470	32	"	118.77	3801	┌ (32)
13-2	"	4590	32	"	72.98	2335	┌
14-1	"	8360	18	"	132.92	2393	┌ (18) (AVE)
14-2	"	2500	18	"	39.75	716	┌
15	"	9350	20	"	148.67	2973	┌ (AVE)
16-1	"	4600	2	"	73.14	146	┌ (2)
16-2	"	1300	2	"	20.67	41	┌
17-1	D38	10480	52	8.95	93.80	4878	┌ (52) (AVE)
17-2	"	8180	52	"	73.21	3807	┌ (AVE)
18-1	"	10400	50	"	93.08	4654	┌ (50) (AVE)
18-2	"	8100	50	"	72.50	3625	┌ (AVE)
19	"	10870	2	"	97.29	195	┌
20-1	"	8650	32	"	77.42	2477	┌ (32)
20-2	"	3620	32	"	32.40	1037	┌
21-1	"	9700	8	"	86.82	695	┌ (8) (AVE)
21-2	"	2500	8	"	22.38	179	┌
22	"	9470	34	"	84.76	2882	┌ (AVE)
23-1	"	7300	32	"	65.34	2091	┌ (32)
23-2	"	4670	32	"	41.80	1338	┌
24	"	9560	42	"	85.56	3594	┌ (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 25	D16	4970	132	1.56	7.75	1023	┌
26	"	5100	68	"	7.96	541	"
27-1	"	11900	23	"	18.56	427	┌ (AVE)
27-2	"	8820	23	"	13.76	316	┌ (AVE)
27-3	"	11660	23	"	18.19	418	┌ (AVE)
27-4	"	11850	23	"	18.49	425	┌ (AVE)
27-5	"	11660	23	"	18.19	418	┌ (AVE)
28-1	"	10190	40	"	15.90	636	┌ (AVE)
28-2	"	8910	40	"	13.90	556	┌ (AVE)
28-3	"	11460	40	"	17.88	715	┌ (AVE)
28-4	"	11230	40	"	17.52	701	┌ (AVE)
28-5	"	11460	40	"	17.88	715	┌ (AVE)
SUBTOTAL						122872 kg	
F° 1-1	D22	4350	202	3.04	13.22	2670	┌
1-2	"	2500	202	"	7.60	1535	"
SUBTOTAL						4205 kg	
(MECHANICAL JOINT)							
				D51	84529 kg	(322)	
				D38	31452 "	(174)	
				D22	4205 "		
				D16	6891 "		
TOTAL					127077 kg	(496)	

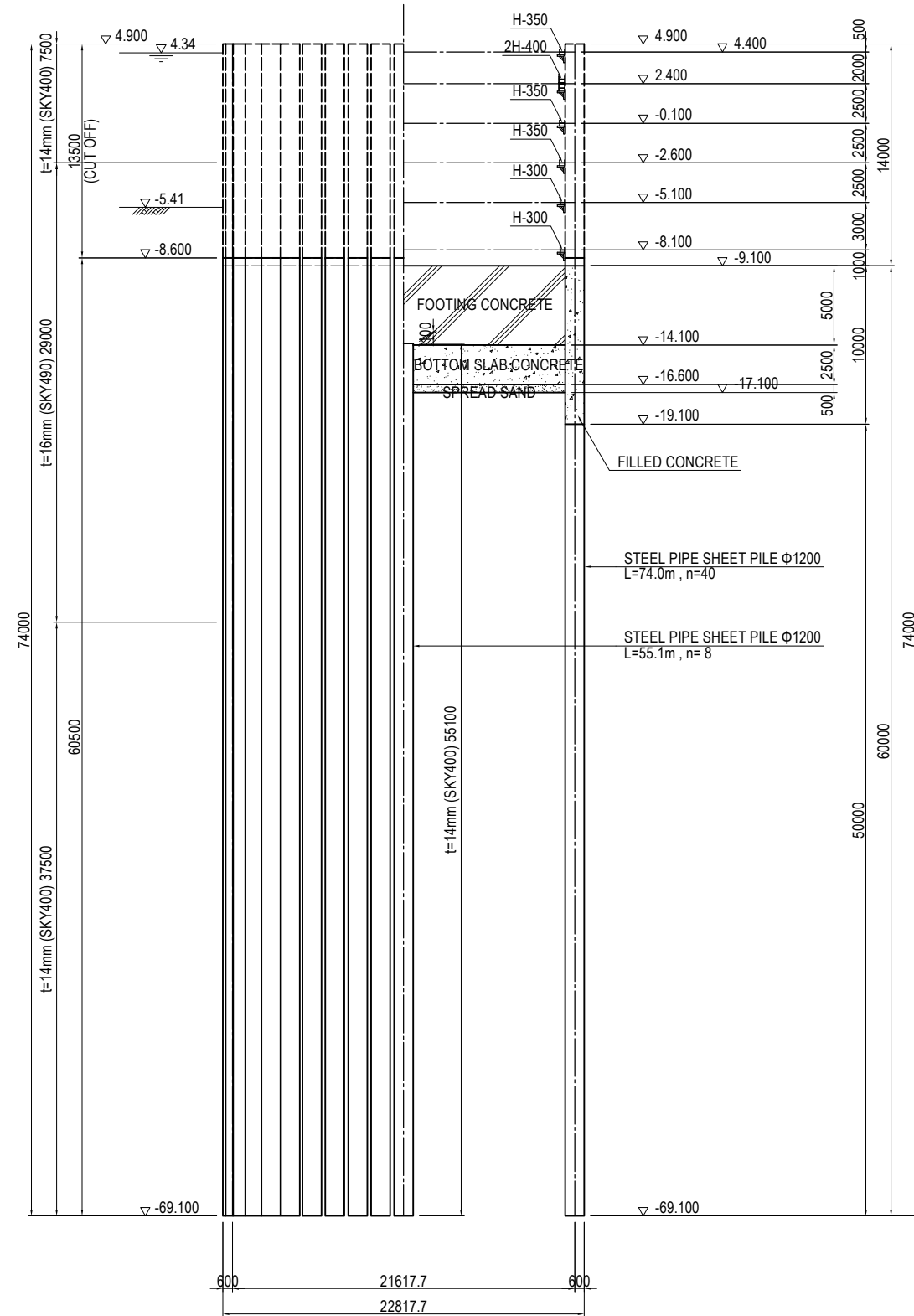
USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

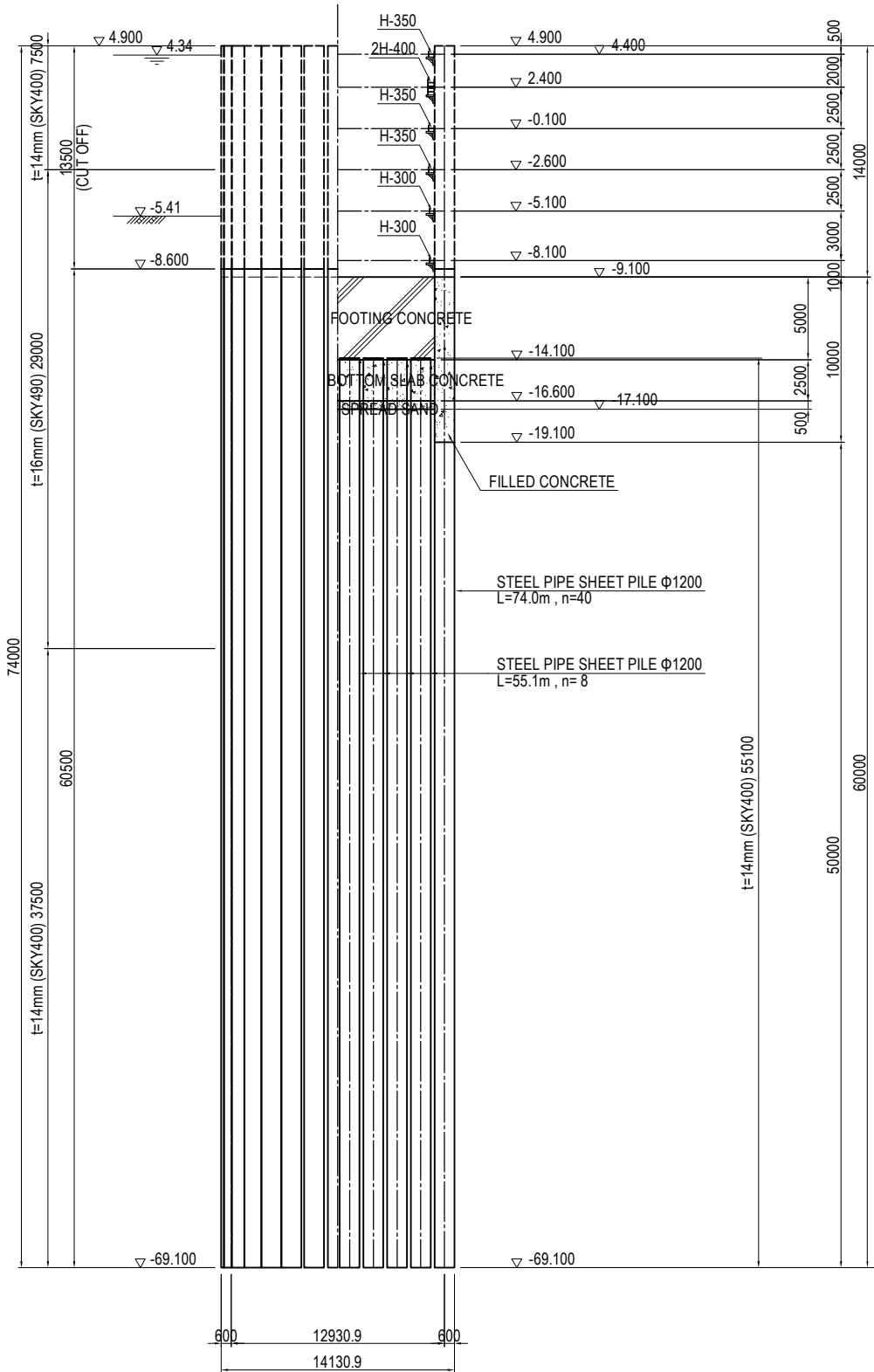
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P11 FOOTING (11)	PACKAGE 1 DWG No. P1-CS-2123
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P11 PIER S=1:400

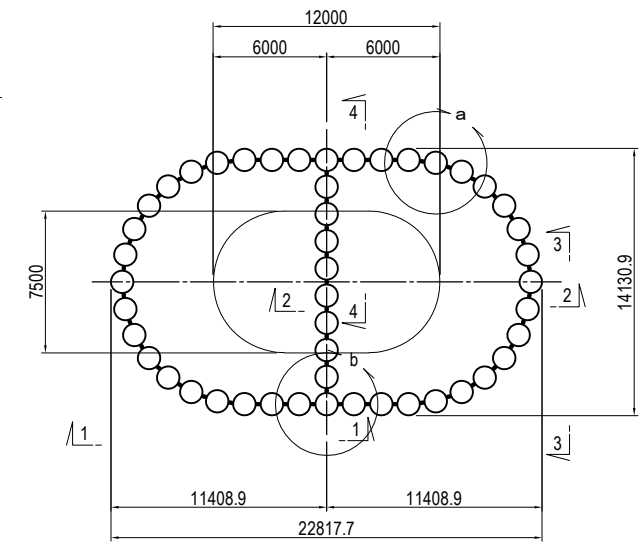
FRONT ELEVATION
1-1 2-2



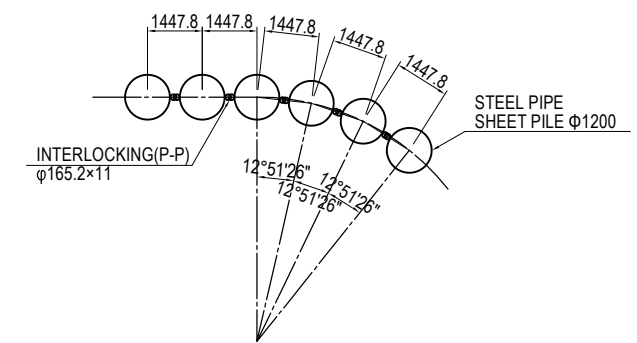
SIDE ELEVATION
3-3 4-4



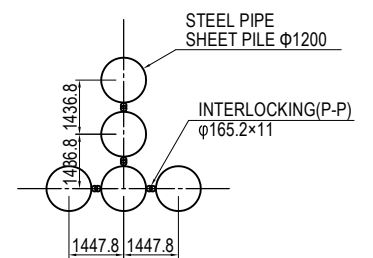
PLAN



DETAIL a S=1:200



DETAIL b S=1:200



USE MATERIALS

	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

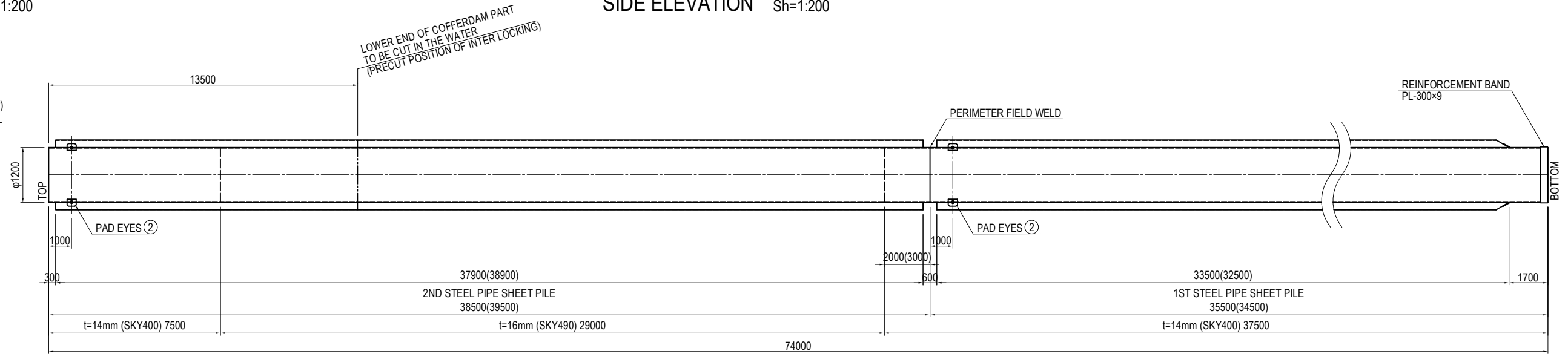
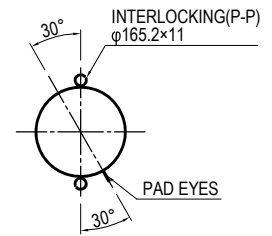
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE DATE	DRAWING TITLE GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P11 PIER	PACKAGE 1 DWG No. P1-CS-2124
---	--	---	--	---	-------------------	---	---------------------------------------

DETAIL OF STEEL PIPE SHEET PILE OF P11 PIER (1)

CROSS SECTION S=1:200

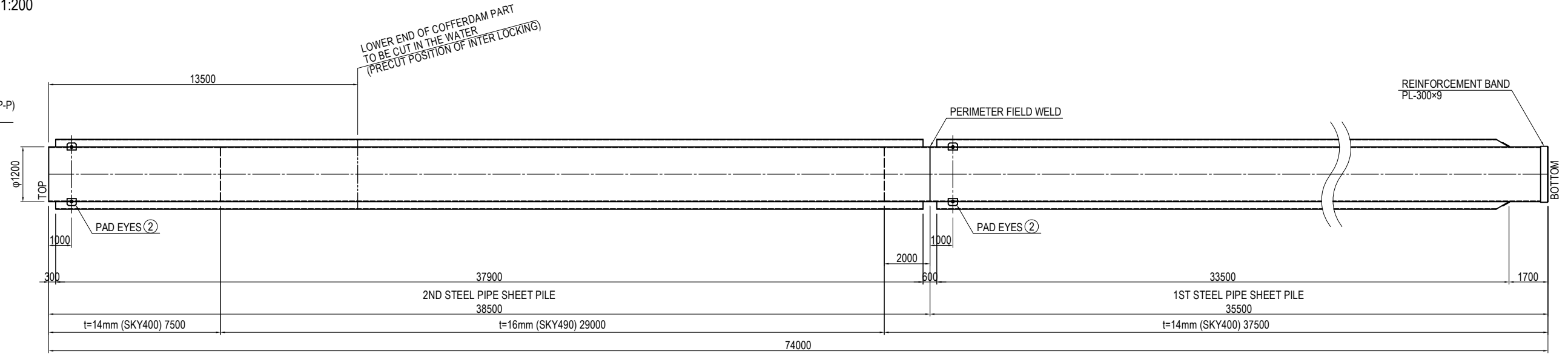
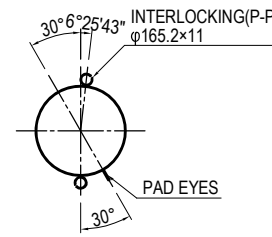
SIDE ELEVATION Sv=1:100
Sh=1:200

TYPE A
(TYPE B)

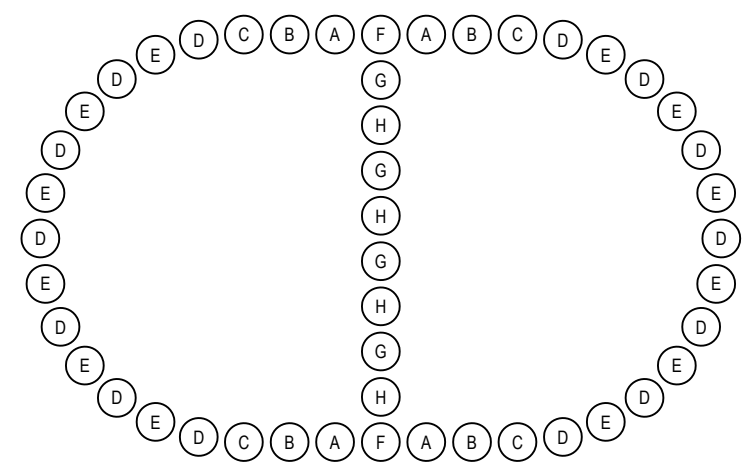


CROSS SECTION S=1:200

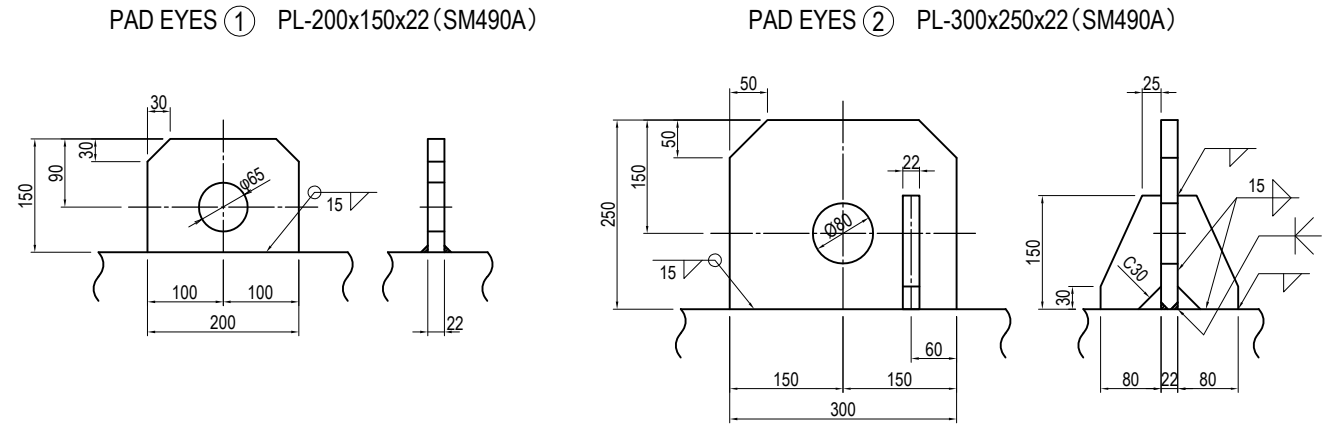
TYPE C



STEEL PIPE SHEET PILE TYPE AND POSITION



DETAIL OF EYES S=1:10



Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

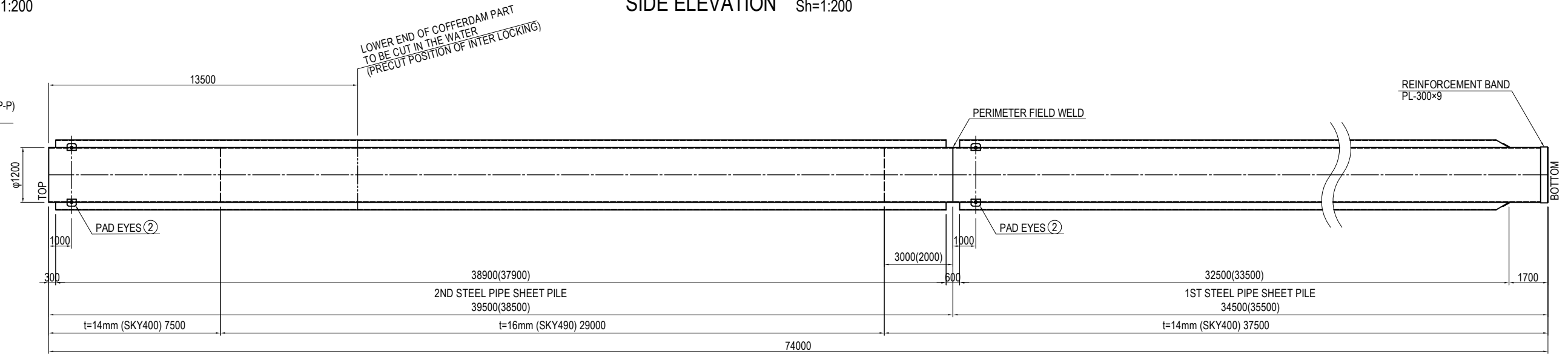
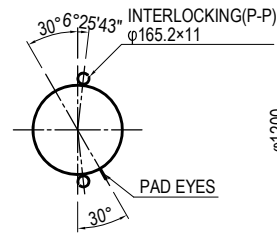
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P11 PIER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-2125

DETAIL OF STEEL PIPE SHEET PILE OF P11 PIER (2)

CROSS SECTION S=1:200

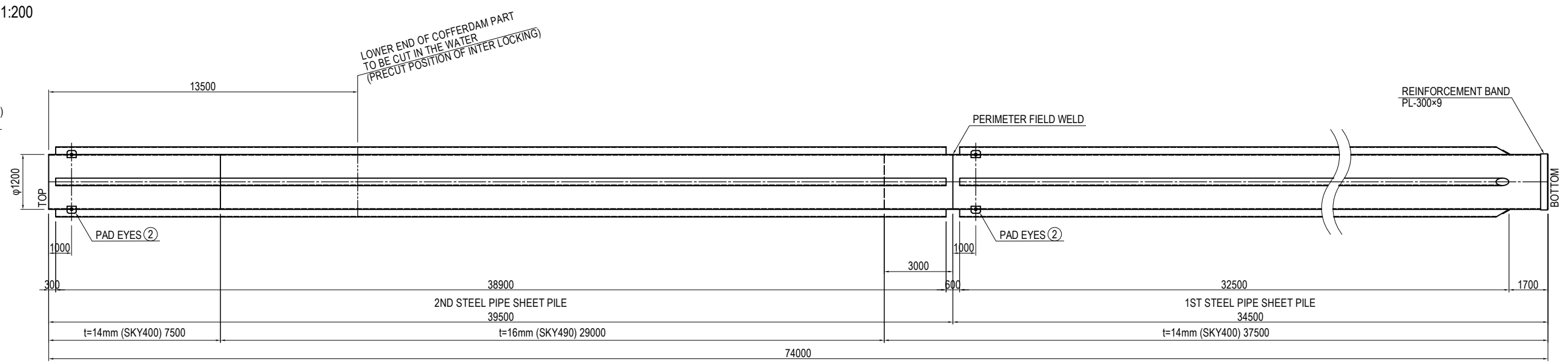
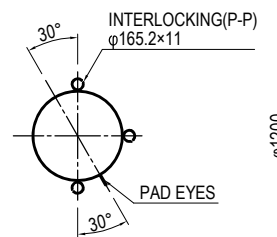
SIDE ELEVATION Sv=1:100 Sh=1:200

**TYPE D
(TYPE E)**



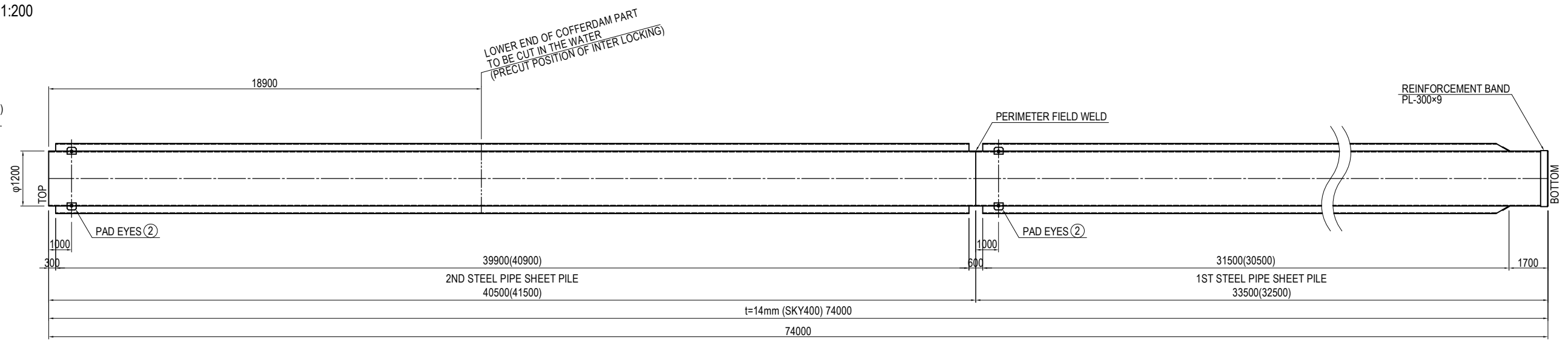
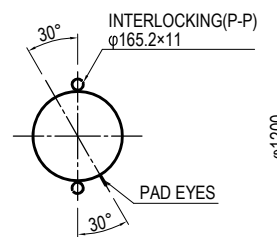
CROSS SECTION S=1:200

TYPE F



CROSS SECTION S=1:200

**TYPE G
(TYPEH)**

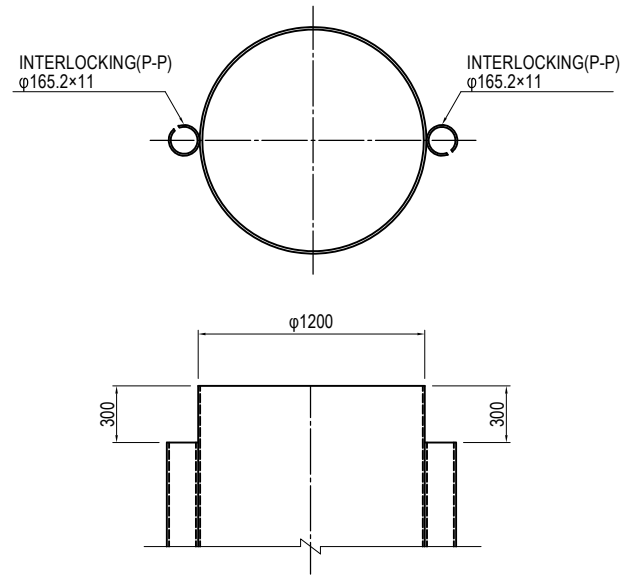


Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

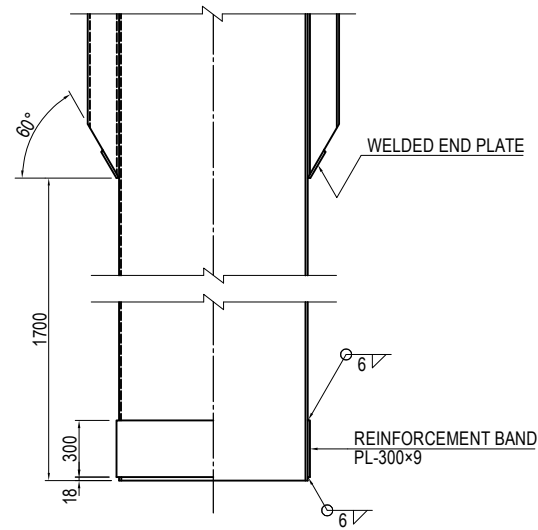
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center;">DETAIL OF STEEL PIPE SHEET PILE OF P11 PIER (2)</p>	<p style="text-align: center;">PACKAGE</p> <p style="text-align: center;">1 DWG No. P1-CS-2126</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P11 PIER

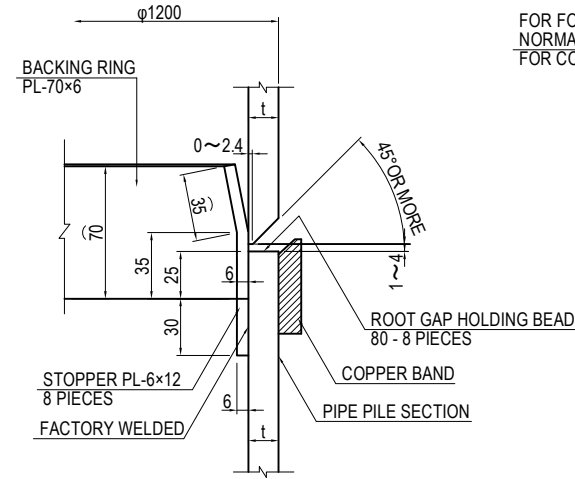
DETAIL OF STEEL PIPE SHEET PILE TOP S=1:40



DETAIL OF STEEL PIPE SHEET PILE TOE S=1:40

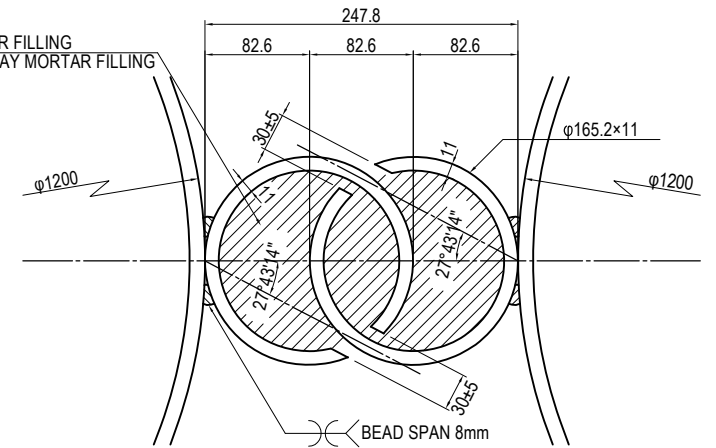


DETAIL OF PERIMETER FIELD WELDING OF STEEL PIPE SHEET PILE S=1:4



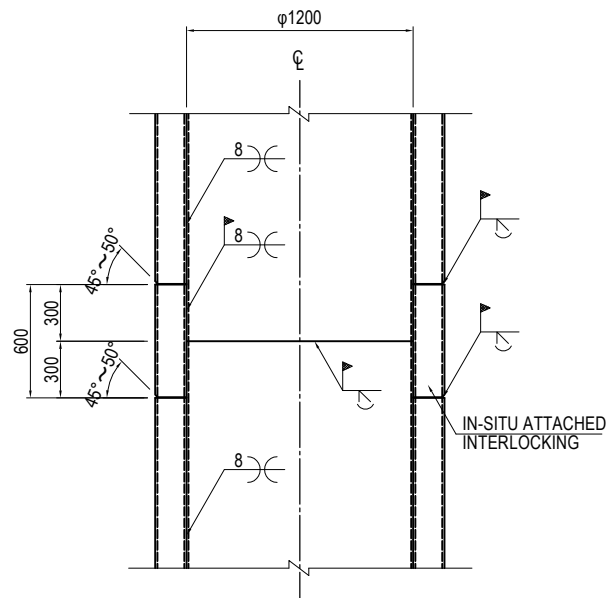
FOR FOUNDATION PART :
NORMAL STRENGTH MORTAR FILLING
FOR COFFERDAM PART : CLAY MORTAR FILLING

DETAIL OF CONNECTED INTERLOCKING(P-P) S=1:6

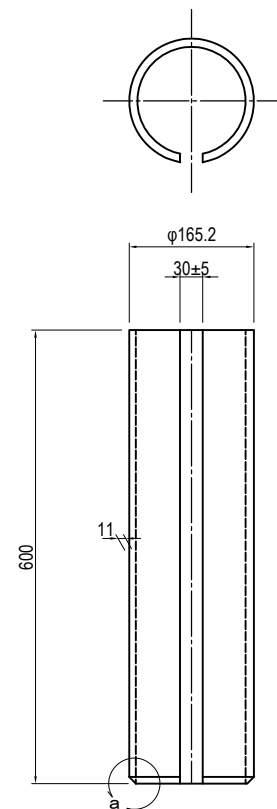


TREATMENT OF STEEL PIPE SHEET PILE INTERLOCKING

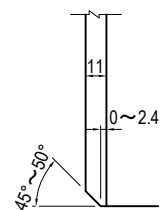
DETAIL OF IN-SITU LONGITUDINAL WELDING PART S=1:40



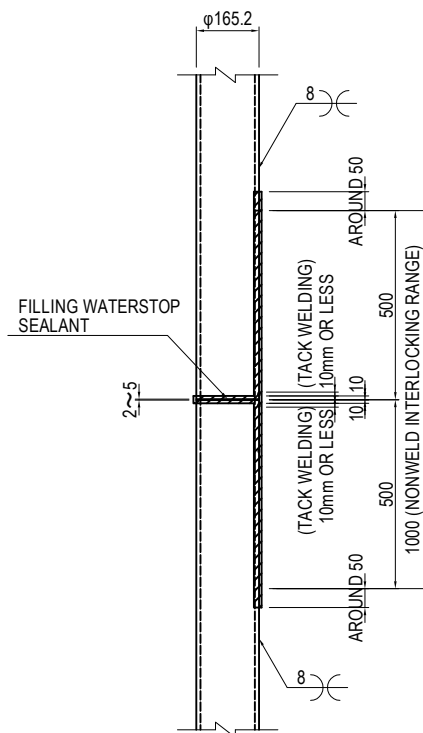
DETAIL OF IN-SITU ATTACHED INTERLOCKING S=1:10



DETAIL a

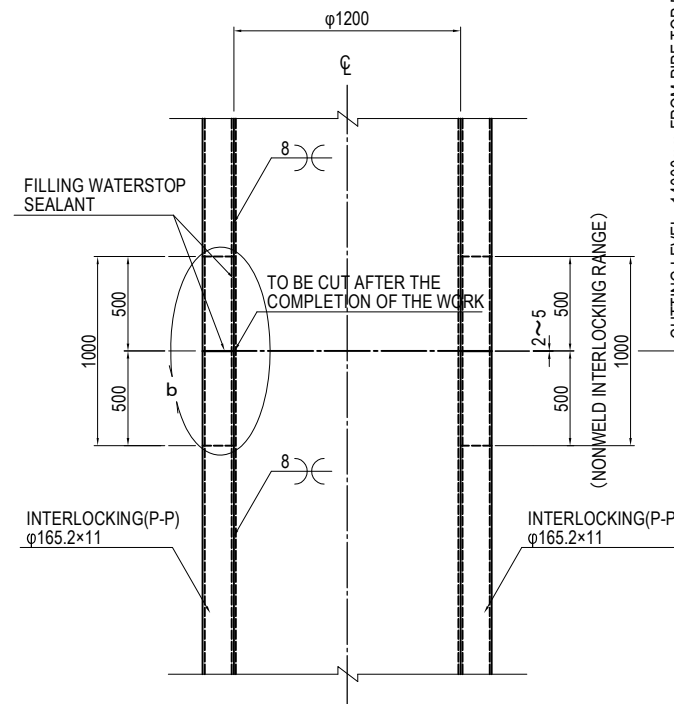


DETAIL b

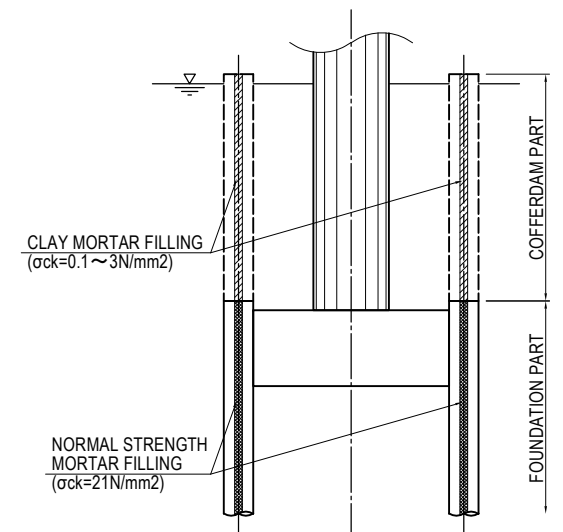


CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

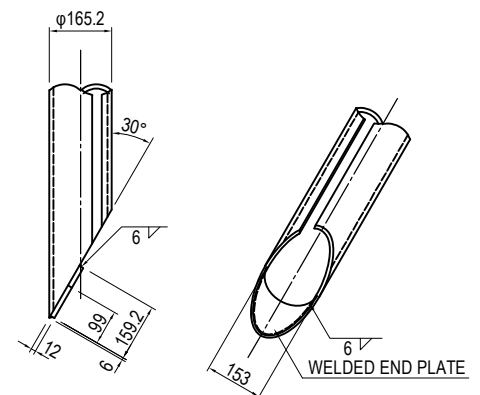
DETAIL OF PRECUT INTERLOCKING S=1:40



CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.



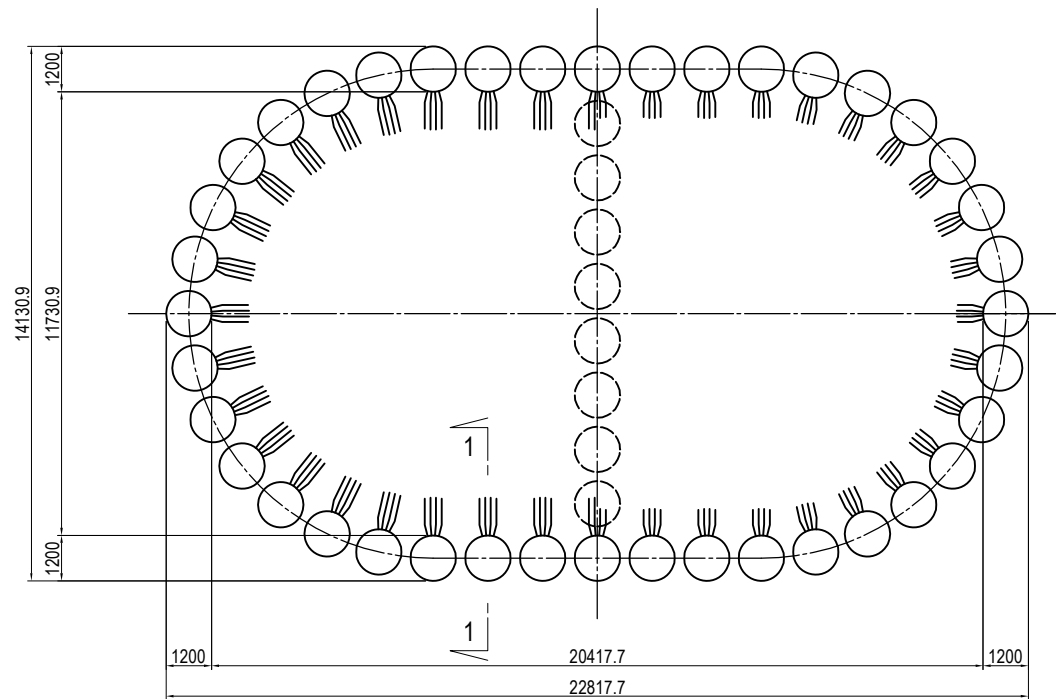
DETAIL OF INTERLOCKING TOE S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P11 PIER	PACKAGE 1 DWG No. P1-CS-2127
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

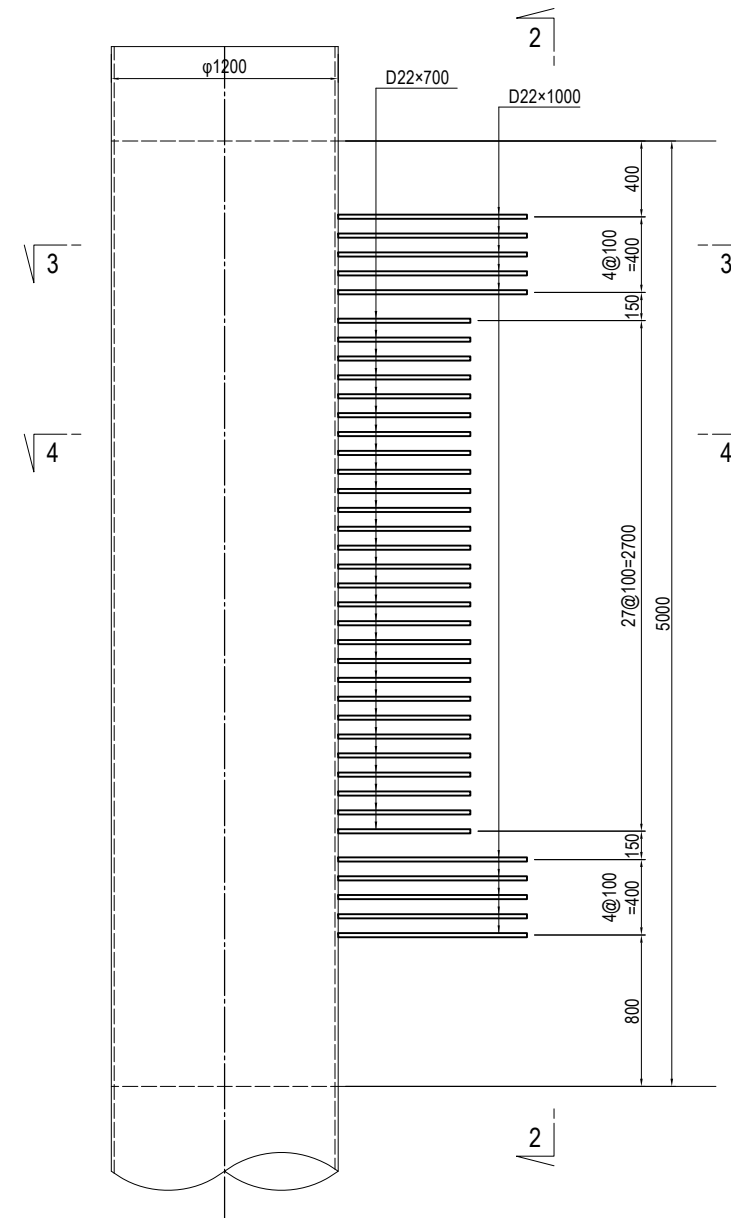
DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING OF P11 PIER

PLAN S=1:200

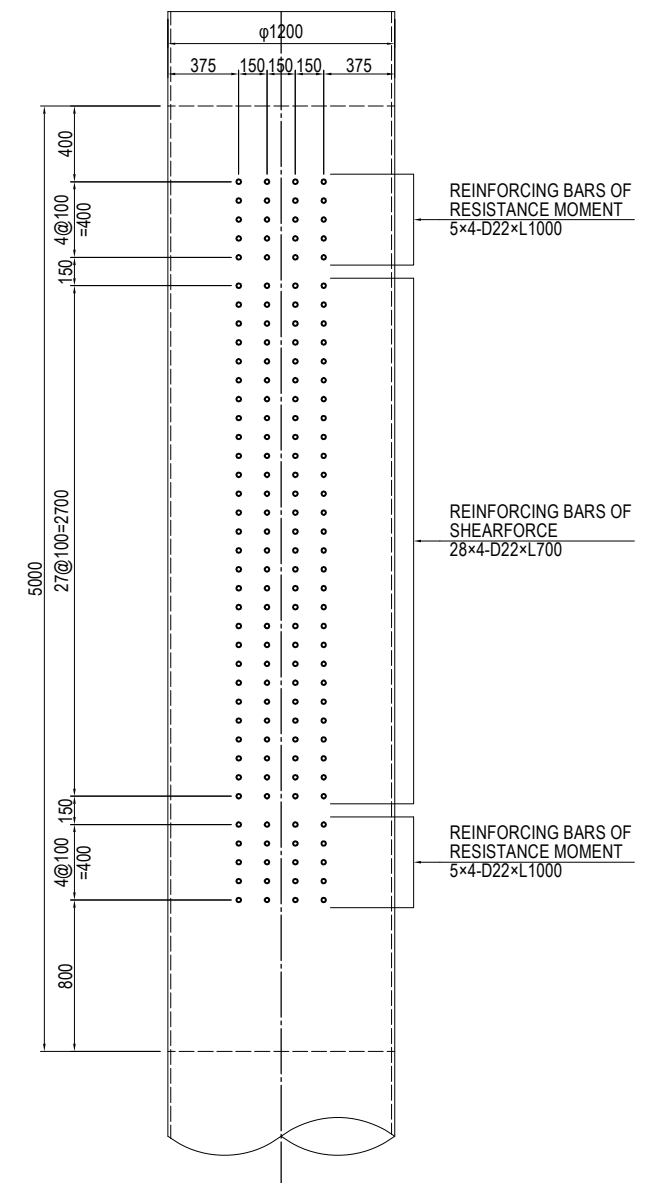


DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:40

1 - 1 CROSS SECTION



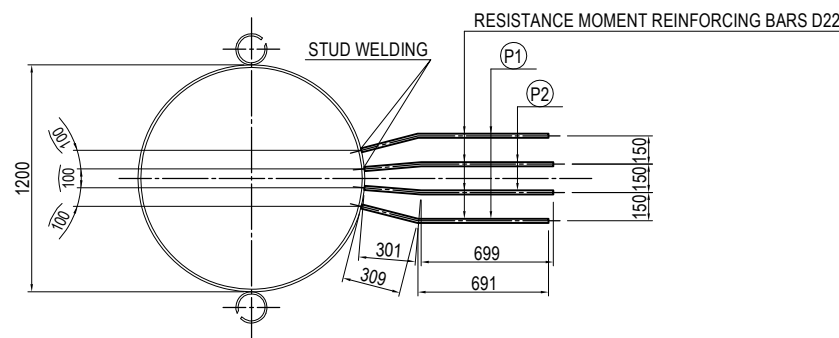
2 - 2 CROSS SECTION



CROSS SECTION OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND REINFORCING BARS S=1:40

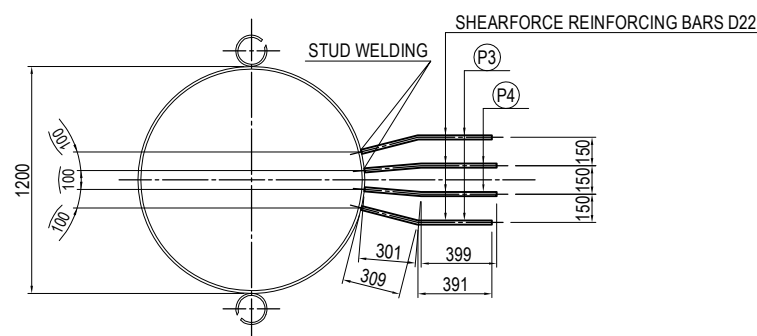
3 - 3 CROSS SECTION

(RESISTANCE MOMENT REINFORCING BARS CONNECTION PART)



4 - 4 CROSS SECTION

(SHEARFORCE REINFORCING BARS CONNECTION PART)



FABRICATION OF REINFORCING BARS S=1:40

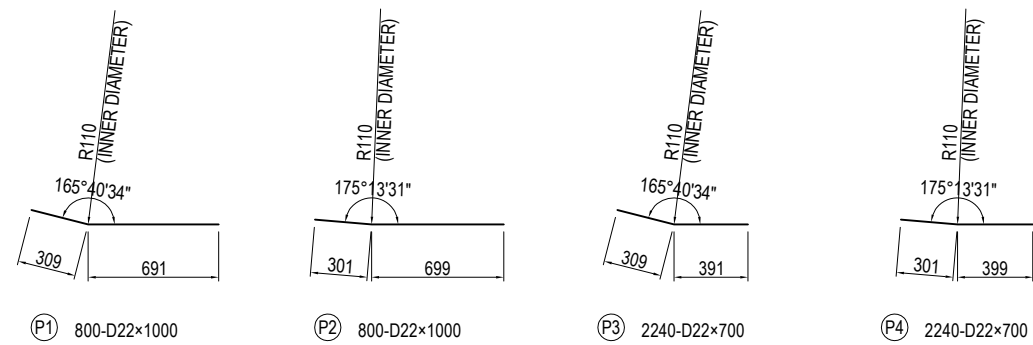
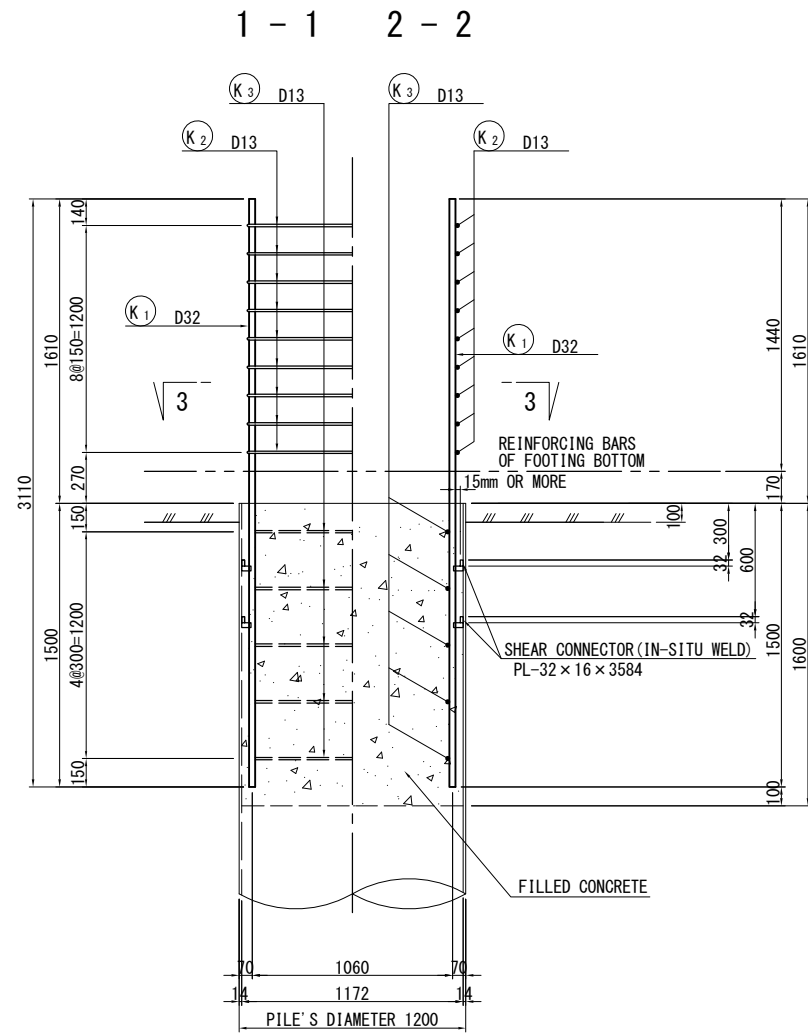


TABLE OF REINFORCING BARS

MARK	TYPE	LENGTH (mm)	PIECES (piece)	UNIT WEIGHT (kg/m)	UNIT WEIGHT (kg/piece)	WEIGHT (kg)	GRADE	MEMO
P1	D22	1000	800	3.04	3.04	2432.0	SD345 for STUD WELDING	
P2	D22	1000	800	3.04	3.04	2432.0	SD345 for STUD WELDING	
P3	D22	700	2240	3.04	2.13	4771.2	SD345 for STUD WELDING	
P4	D22	700	2240	3.04	2.13	4771.2	SD345 for STUD WELDING	
					D22	14406.4 kg		
					TOTAL WEIGHT	14406.4 kg		

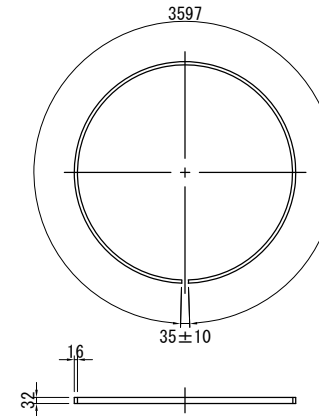
DETAIL OF PILE TOP CONNECTION TO THE BASE CONCRETE OF P11 PIER S=1:40

DETAIL OF PILE TOP

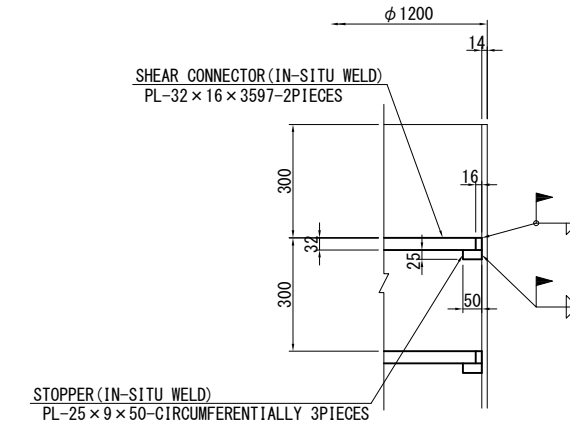


DETAIL OF ATTACHMENT OF SHEAR CONNECTOR

CENTER OF LENGTH



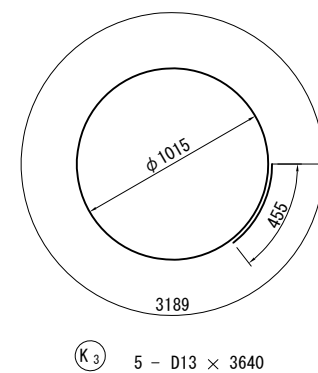
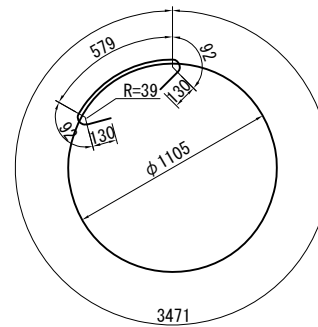
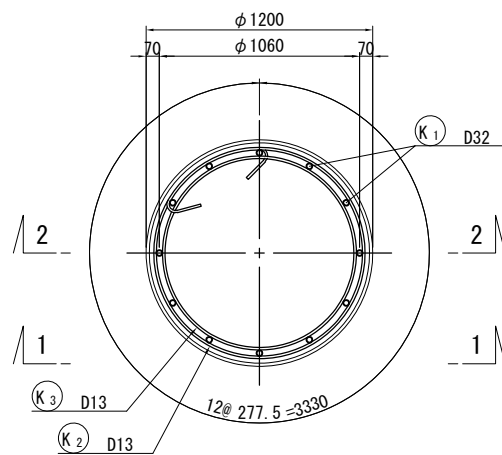
SETTING IN THE FIELD S=1:20



MATERIAL LIST

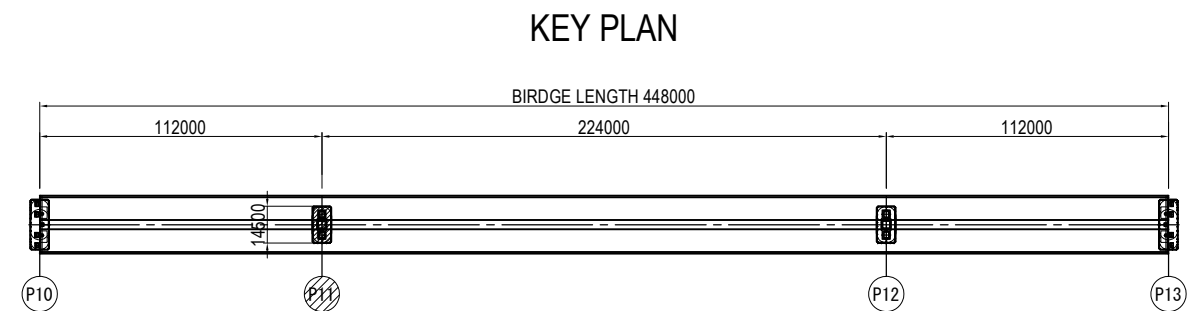
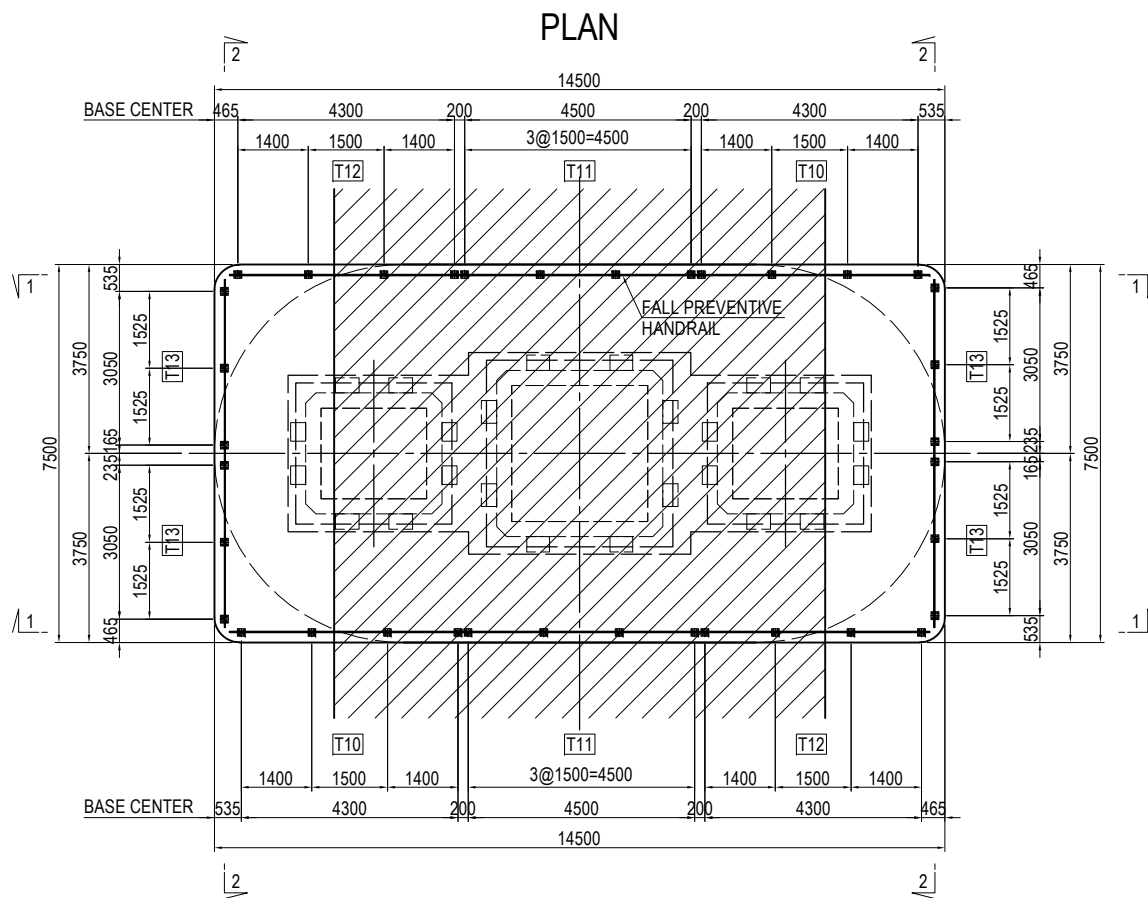
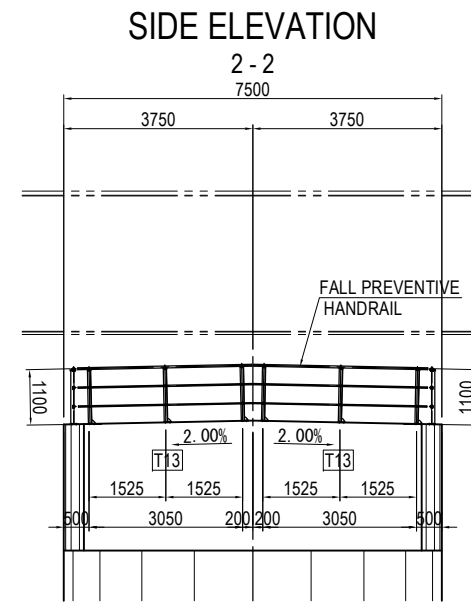
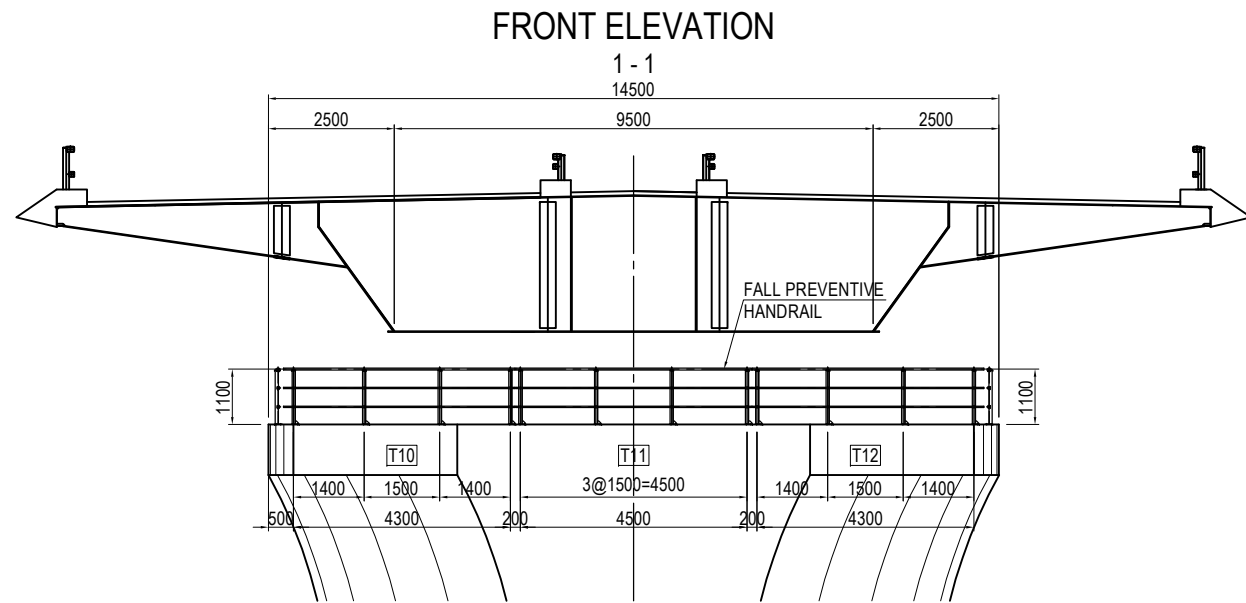
MARKS	SECTION SIZE	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	MATERIAL	REMARKS
PILE TOP ACCOMPANYING ITEMS								
PL	PL-32×16	3597	2	4.019	14.456	28.9	SS400	SHEAR CONNECTOR
PL	PL-25×9	50	6	1.766	0.088	0.5	SS400	STOPPER
REINFORCEMENT								
K1	D32	3110	12	6.23	19.38	233	SD345	I
K2	D13	4490	9	0.995	4.47	40	SD345	○
K3	D13	3640	5	0.995	3.62	18	SD345	○
Total						291		
FILLED CONCRETE (σ _{ck} = 24 N/mm ²)								
$V = 1/4 \times \pi \times 1.172^2 \times 1.600 = 1.726 \text{ m}^3$								

3 - 3



ITEM	DIVISION	UNIT CONTENT	WEIGHT/EA.	QUANTITY
NUMBER OF PILE		Number		8
PILE TOP	SS400	TOTAL	kg	29.4
REINFORCEMENT	SD345	D32	kg	233
		D13	kg	58
		TOTAL	kg	291
FILLED CONCRETE	σ _{ck} = 24 N/mm ²	m ³	1.726	13.8

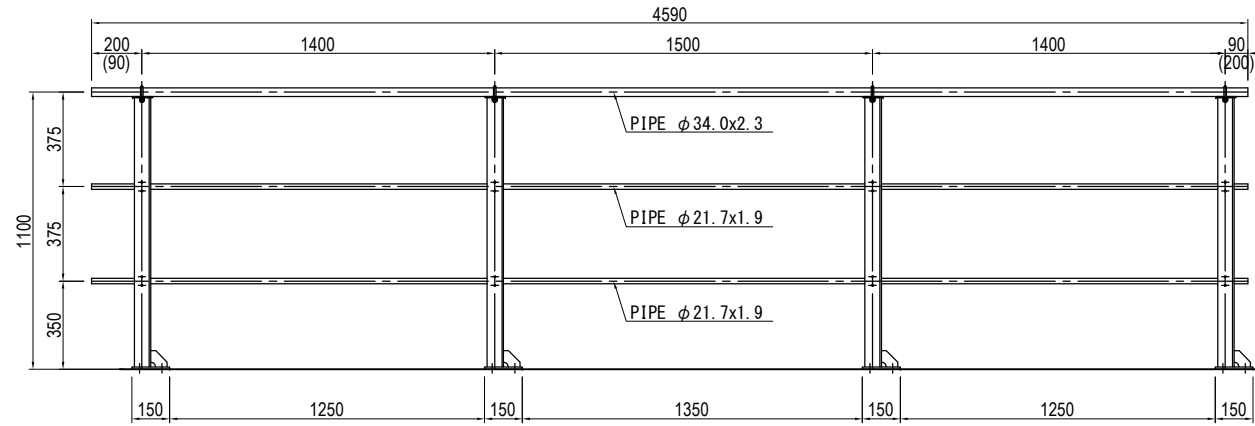
FALL PREVENTIVE HANDRAIL OF P11 PIER (1) S=1:150



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P11 PIER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2130

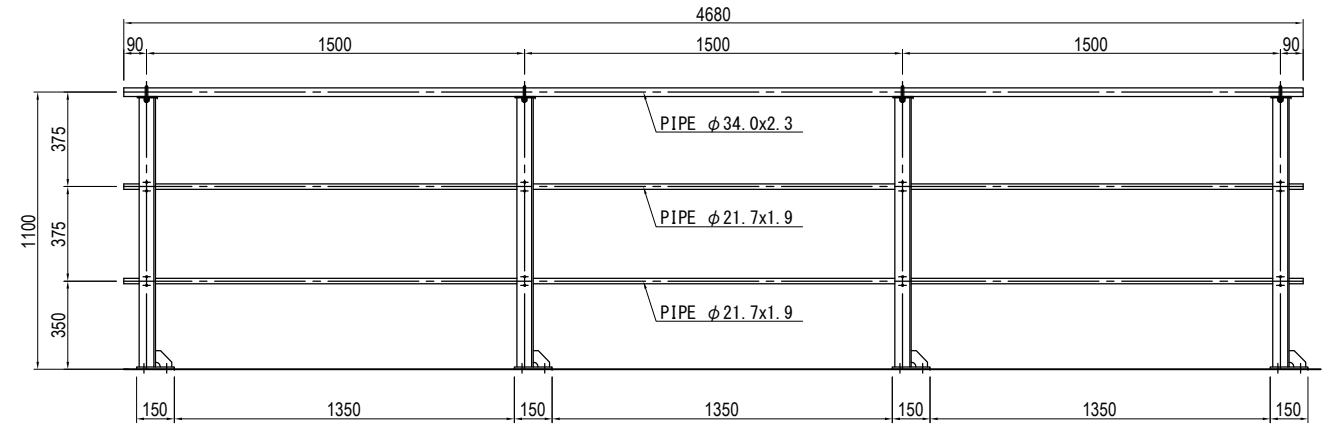
FALL PREVENTIVE HANDRAIL OF P11 PIER (2) S=1:30

T10 (T12)



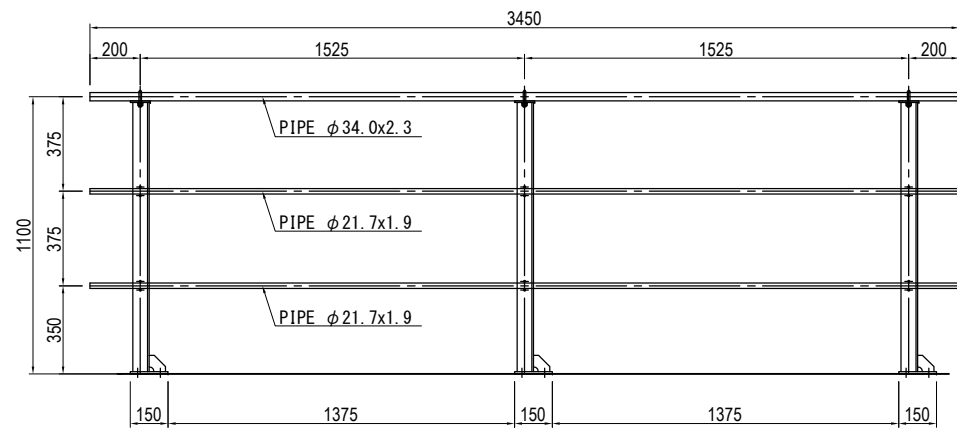
- <T10, T12> Production volume : each2 (per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x4590 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x4590 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T11



- <T11> Production volume : 2(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x4680 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x4680 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T13



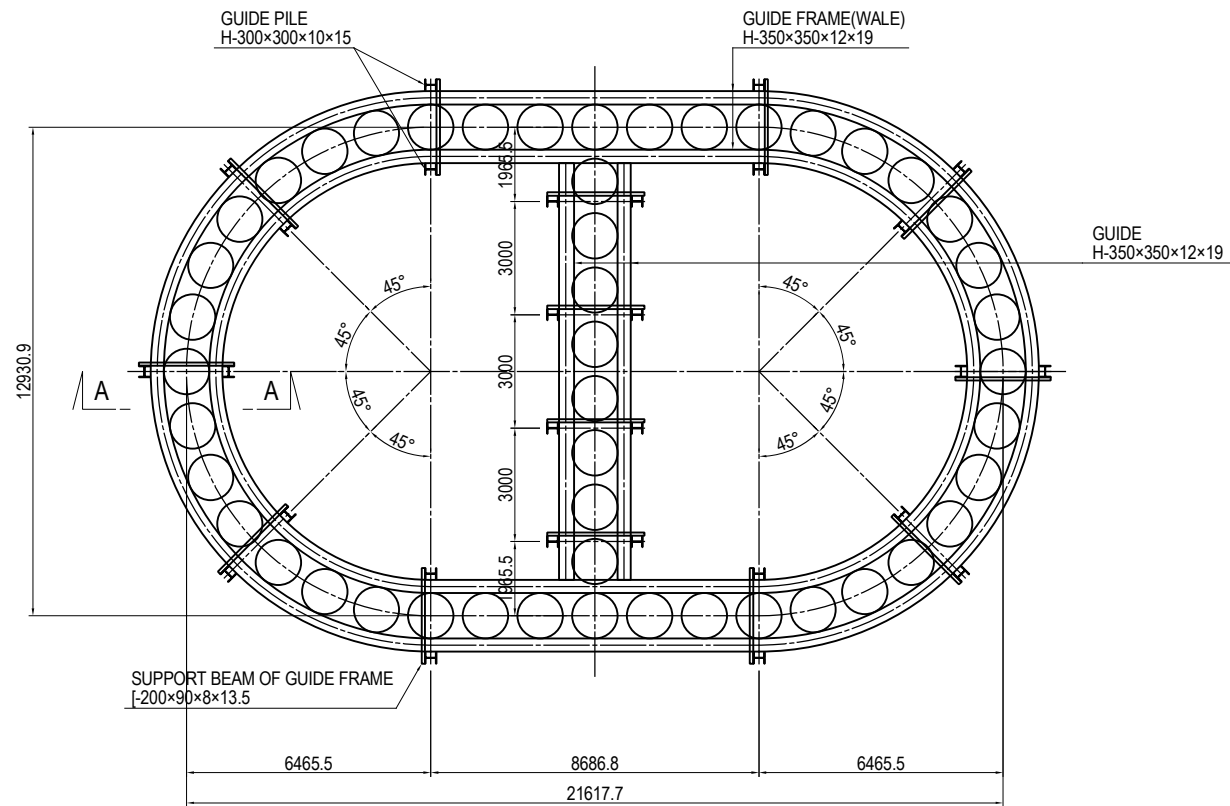
- <T13> Production volume : 4(per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x3450 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x3450 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

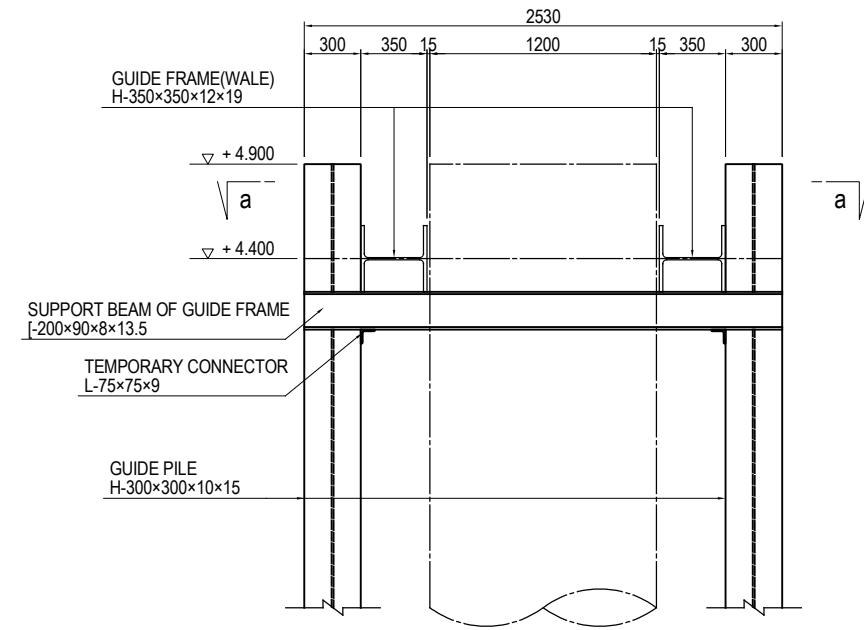
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P11 PIER (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2131

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P11 PIER(1)

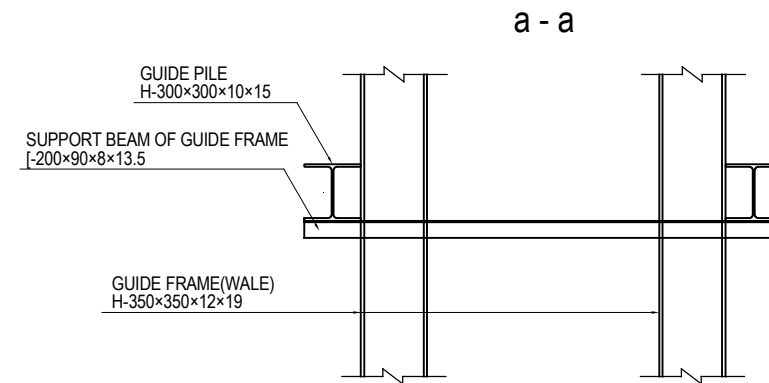
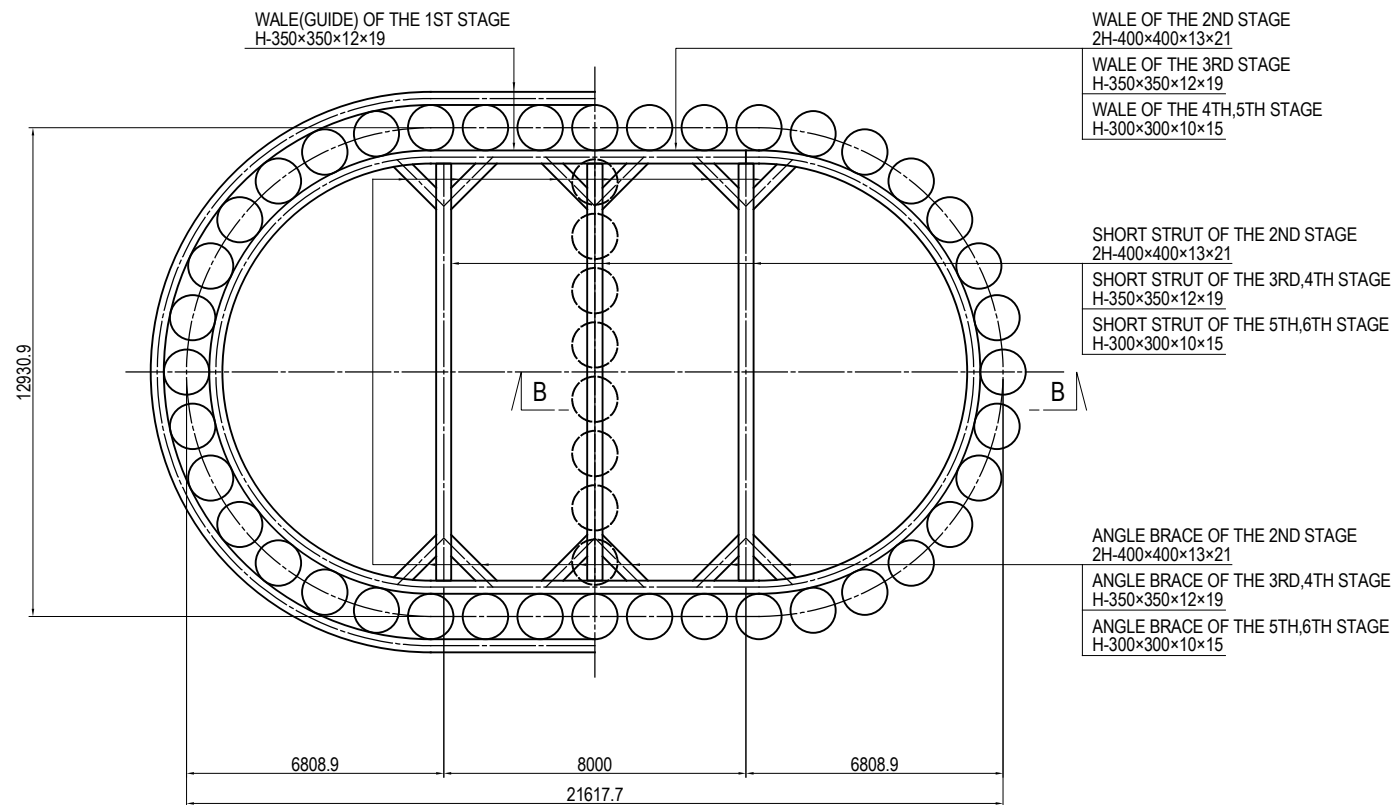
LAYOUT PLAN OF GUIDE FRAMES AND GUIDE PILES S=1:200



DETAIL OF ATTACHMENT OF GUIDE PILES AND GUIDE FRAMES S=1:40



LAYOUT PLAN OF STRUTS AND WALES S=1:200

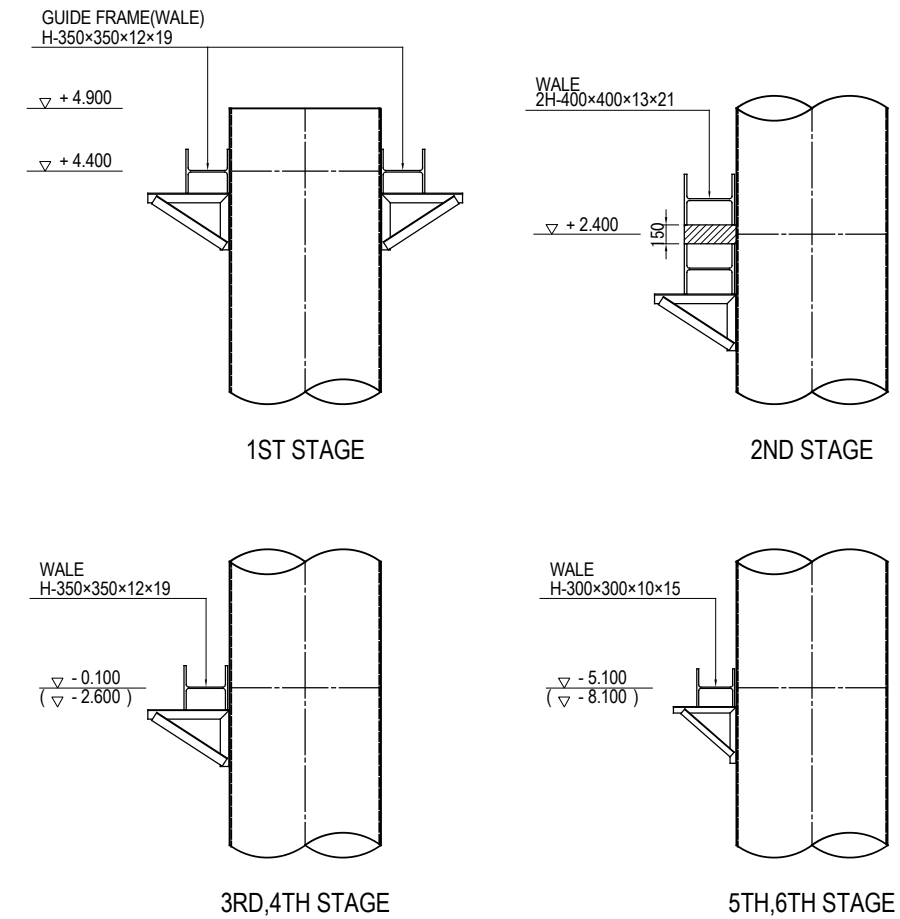
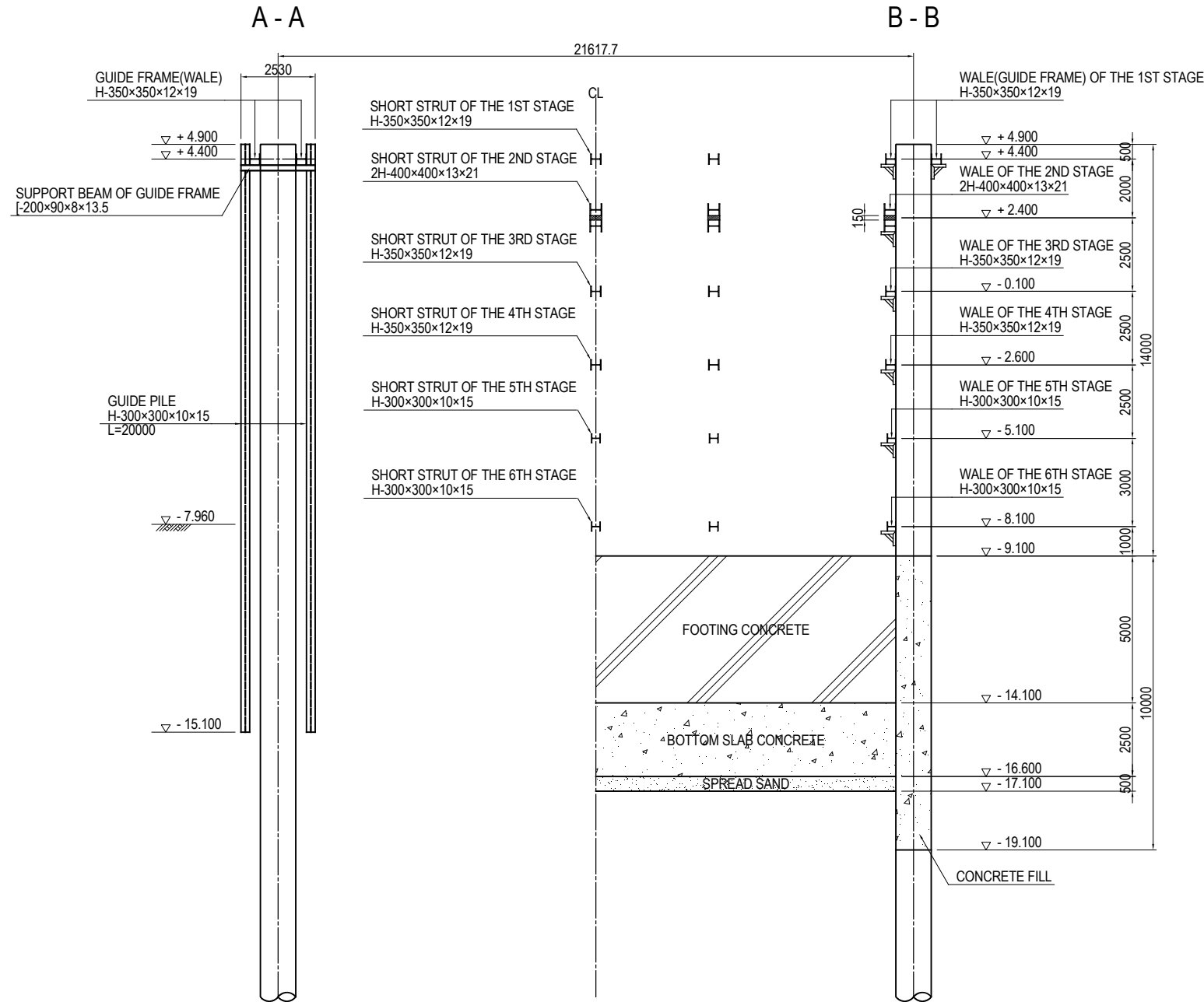


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P11 PIER (1)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2133

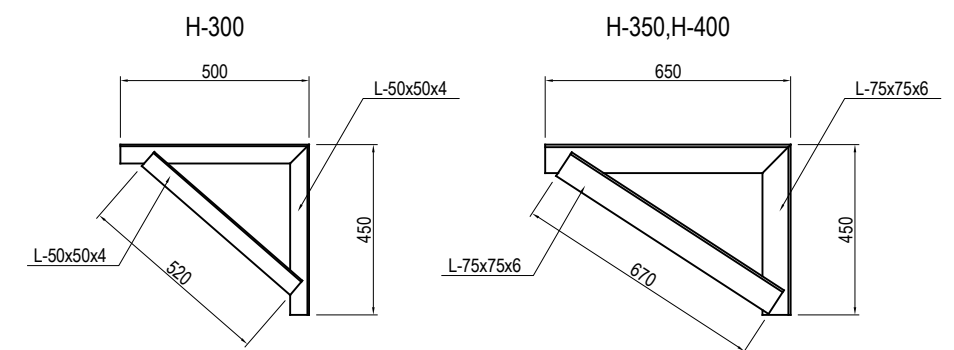
(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P11 PIER (2)

CROSS SECTION S=1/200

DETAIL OF ATTACHMENT OF WALE S=1:60

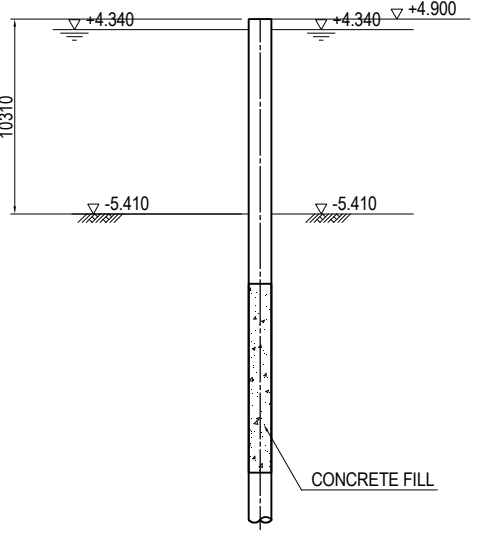
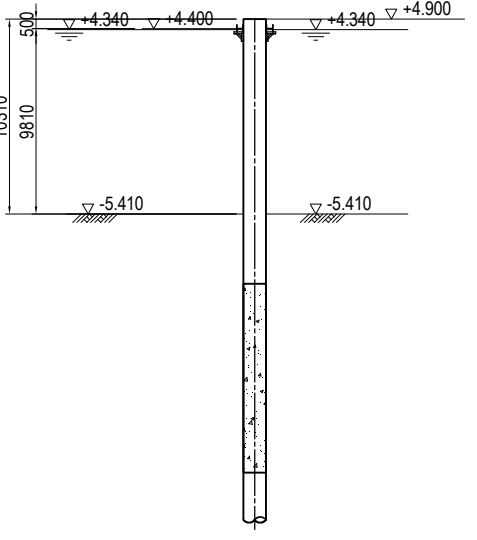
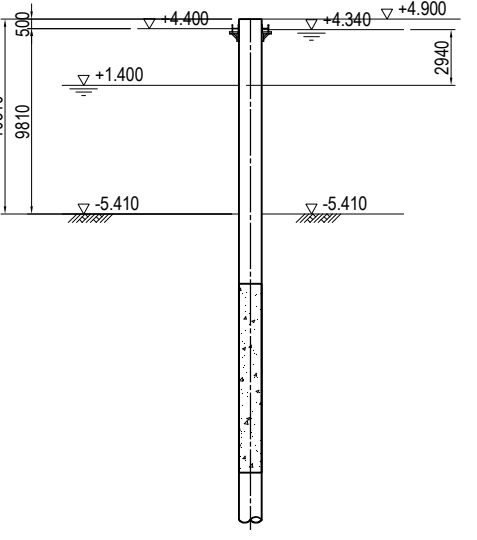
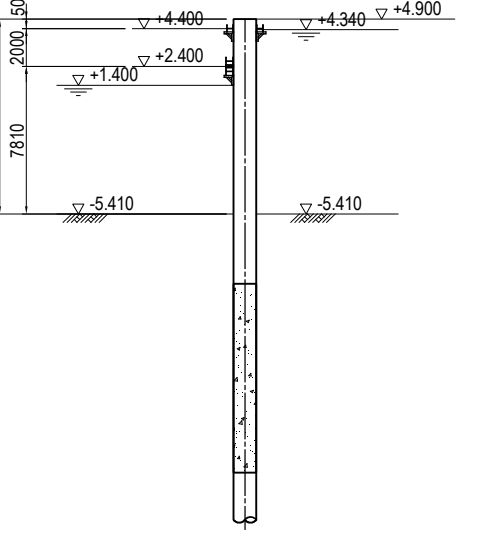
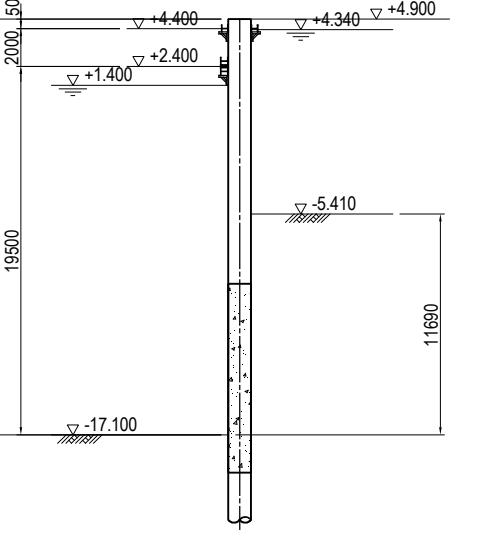
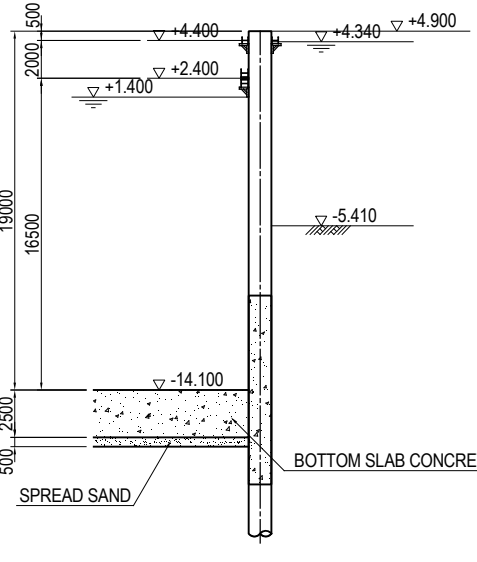
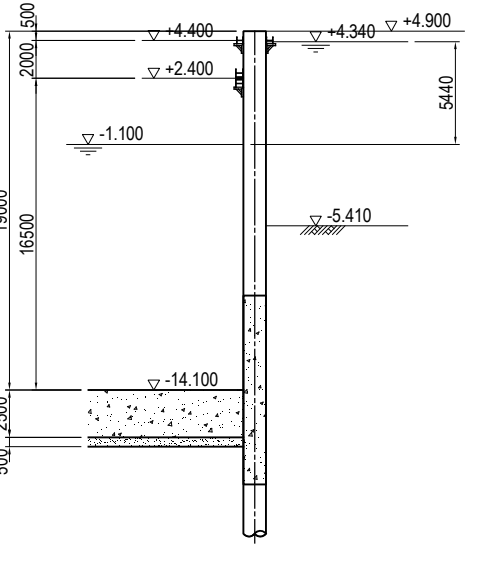
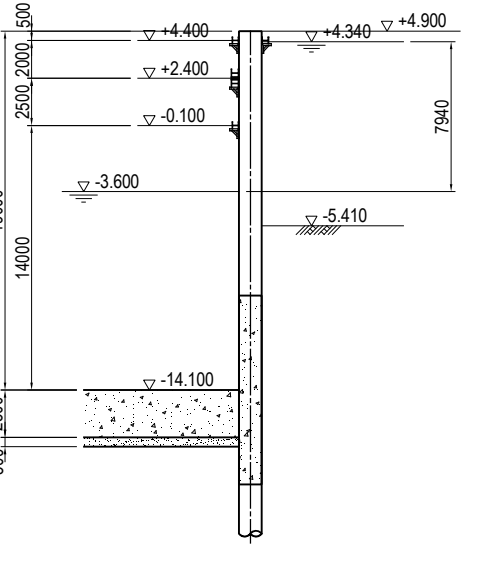
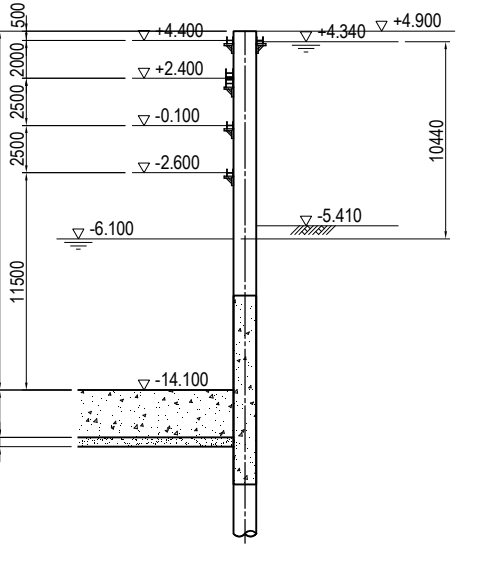
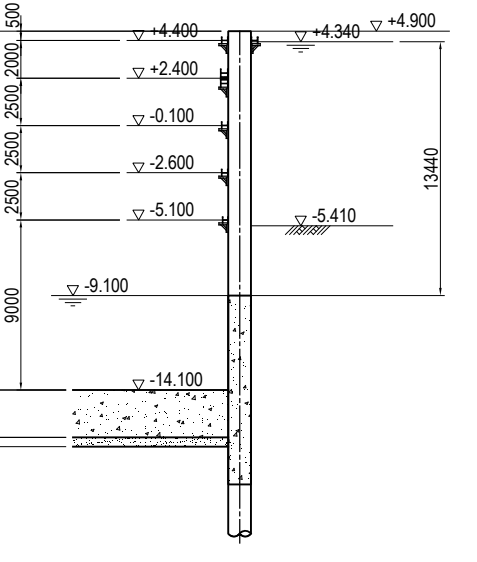


DETAIL OF BRACKET S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P11 PIER (2)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2134

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P11 PIER (1) S=1:400

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
				
<p>Excavate inside of exterior sheet piles and filled with concrete as shown.</p>	<p>The 1st support Installation.</p>	<p>Draining the inside of cofferdam up to +1.400m level.</p>	<p>The 2nd support Installation.</p>	<p>Underwater excavation up to -17.100m level.</p>
STEP 6	STEP 7	STEP 8	STEP 9	STEP 10
				
<p>Placement of spread sand followed by casting underwater bottom slab concrete.</p>	<p>Draining the inside of cofferdam up to -1.100m level.</p>	<p>Draining the inside of cofferdam up to -3.600m level after the 3rd support Installation.</p>	<p>Draining the inside of cofferdam up to -6.100m level after the 4th support Installation.</p>	<p>Draining the inside of cofferdam up to -9.100m level after the 5th support Installation.</p>

Note : This drawing can be used for reference only.

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM  NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>PREPARED BY CHECKED BY APPROVED BY</p>	<p>NAME T. HAYAKAWA T. HAYAKAWA Y. SANO</p>	<p>SIGNATURE</p>	<p>DATE</p>	<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P11 PIER (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-2135</p>
---	---	---	--	---	---	------------------	-------------	--	---

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P11 PIER (2) S=1:400

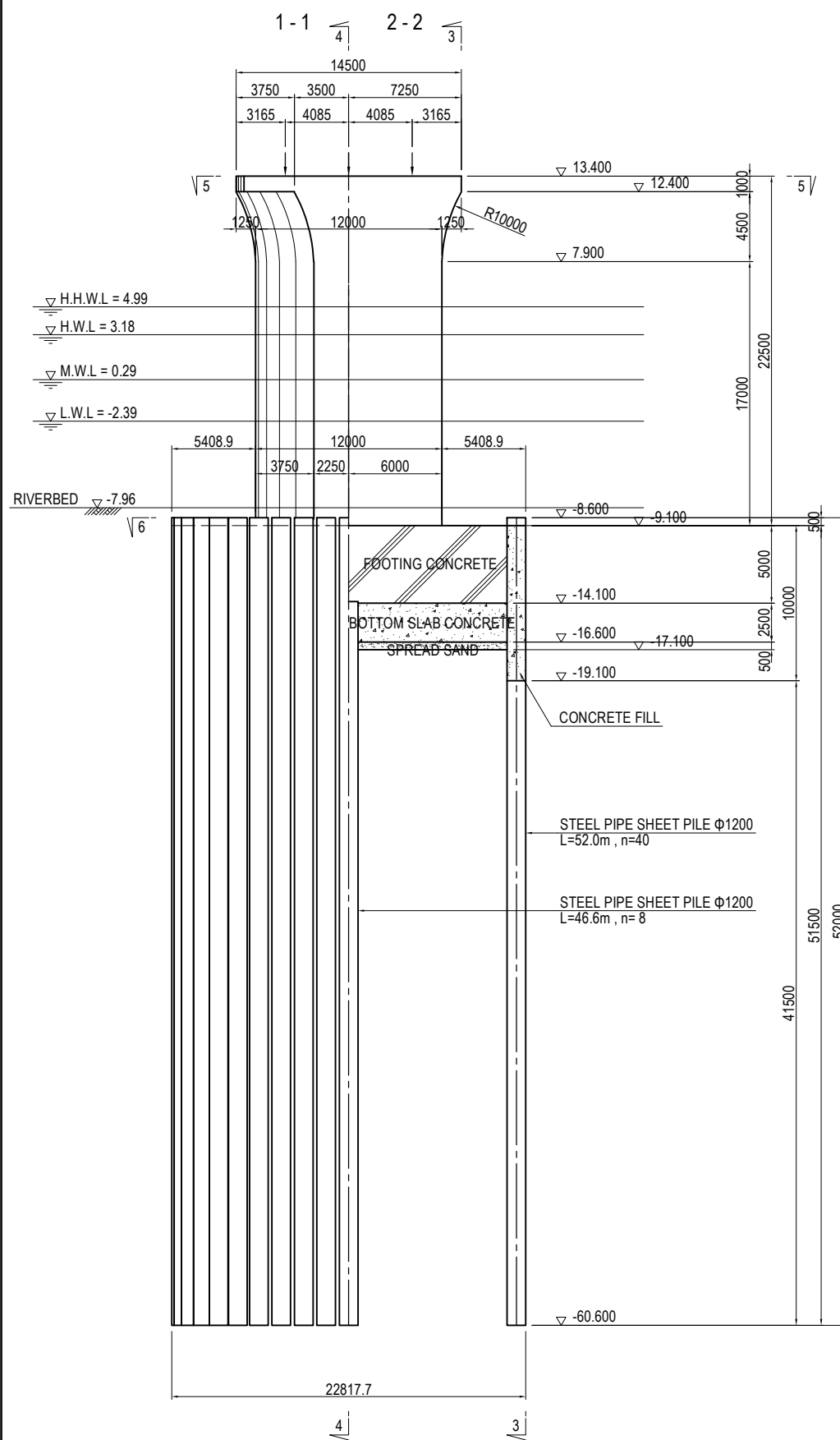
STEP 11	STEP 12	STEP 13		
<p>Draining the inside of cofferdam up to -14.100m level. after the 6th support Installation.</p>	<p>Casting of footing concrete.</p>	<p>The 6th support Removal.</p>		

Note : This drawing can be used for reference only.

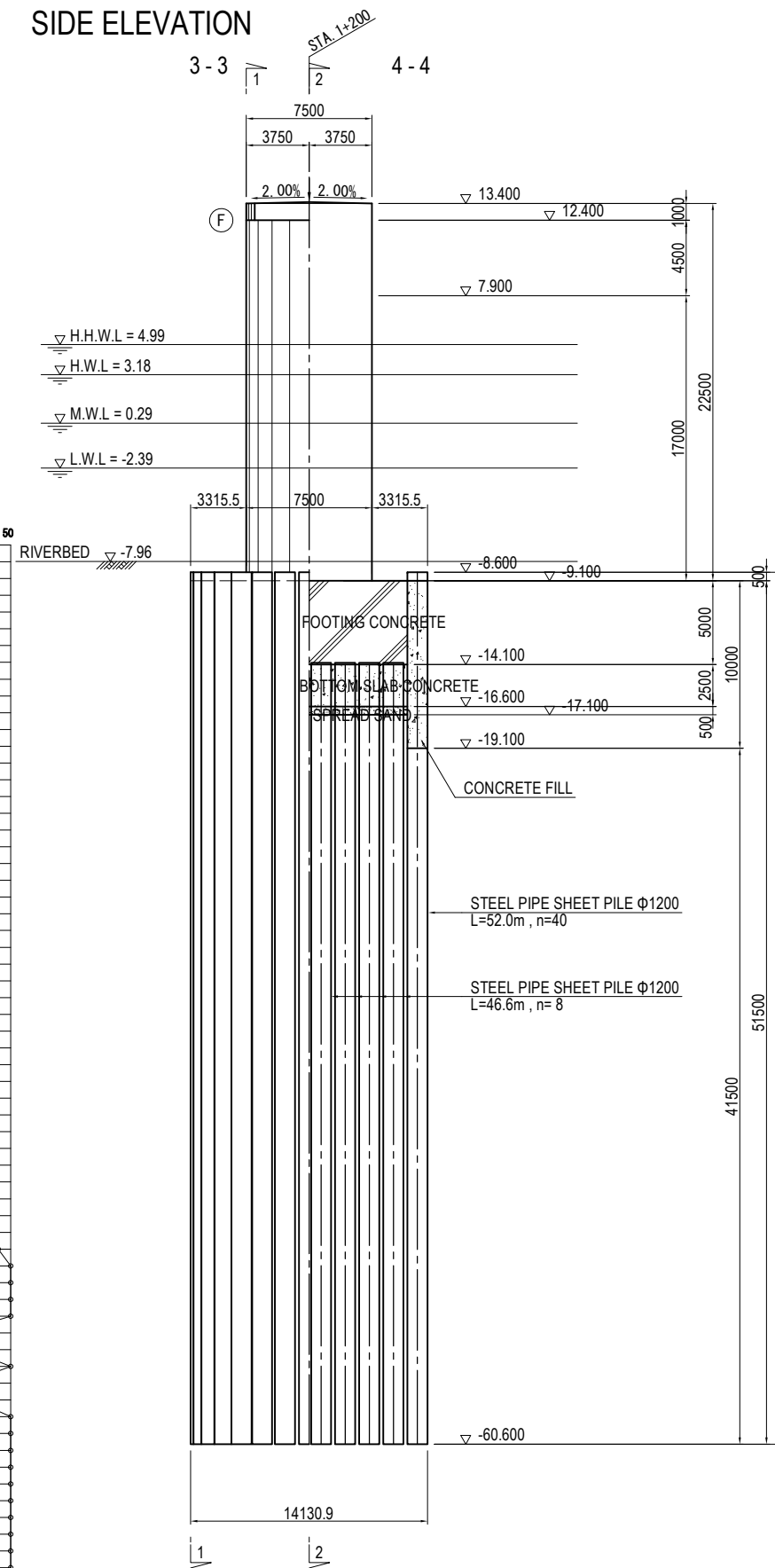
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>PREPARED BY CHECKED BY APPROVED BY</p>	<p>NAME T. HAYAKAWA T. HAYAKAWA Y. SANO</p>	<p>SIGNATURE</p>	<p>DATE</p>	<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P11 PIER (2)</p>	<p>PACKAGE 1 DWG No. P1-CS-2136</p>
---	--	--	---	---	---	------------------	-------------	--	---

GENERAL ARRANGEMENT OF P12 PIER(1) S=1:400

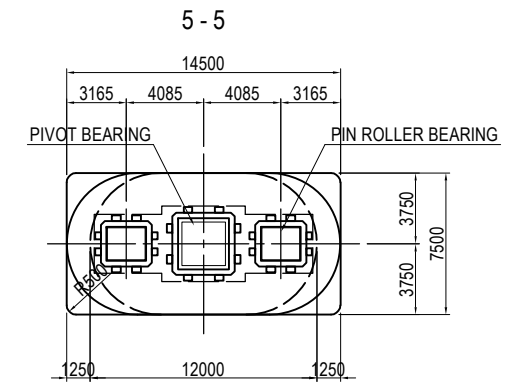
FRONT ELEVATION



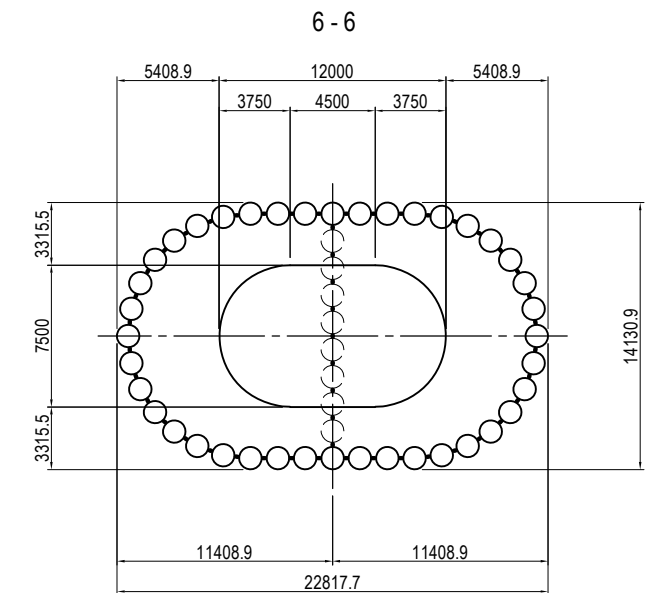
SIDE ELEVATION



PLAN



PLAN



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

PROJECT NAME
 DETAILED DESIGN ON
 BAGO RIVER BRIDGE
 CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
 COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
 MINISTRY OF CONSTRUCTION
 DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
 GENERAL ARRANGEMENT OF P12 PIER(1)

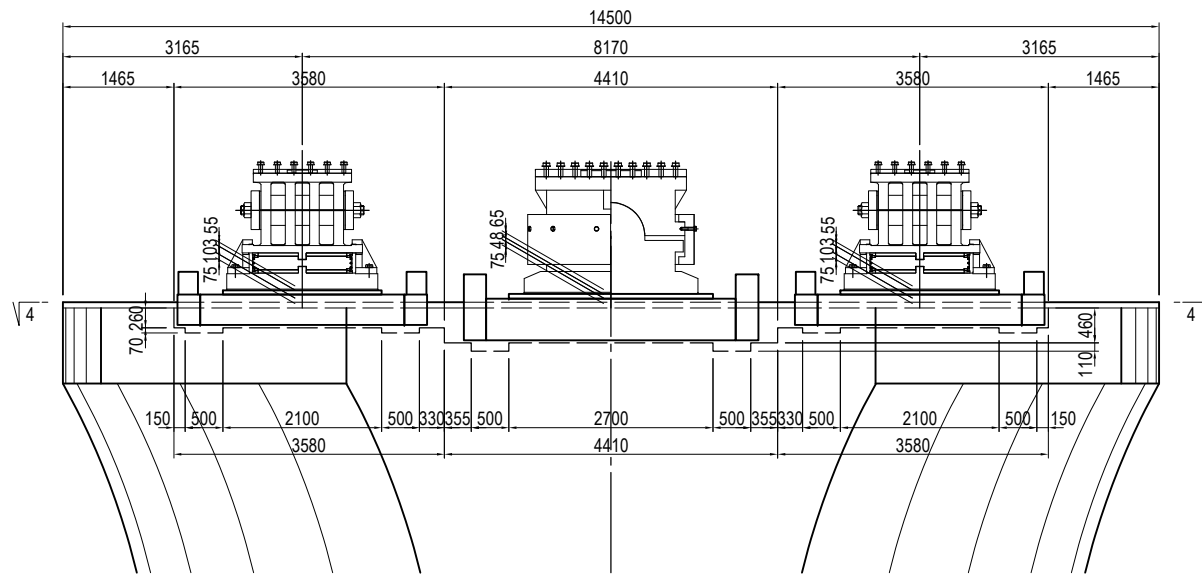
PACKAGE
 1
 DWG No.
 P1-CS-2201

GENERAL ARRANGEMENT OF P12 PIER (2) S=1:100

DETAIL OF BEARING AND ANCHOR

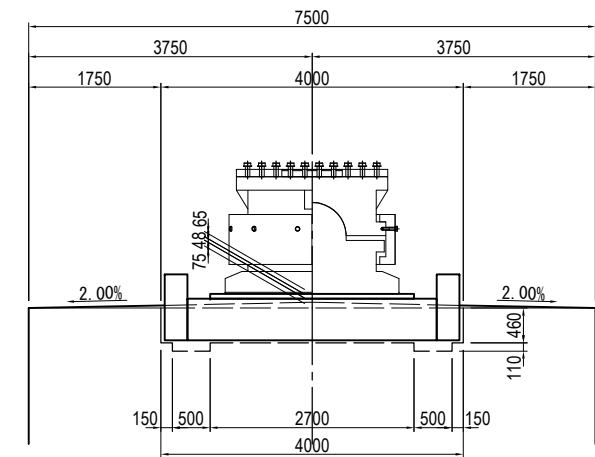
FRONT ELEVATION

1 - 1

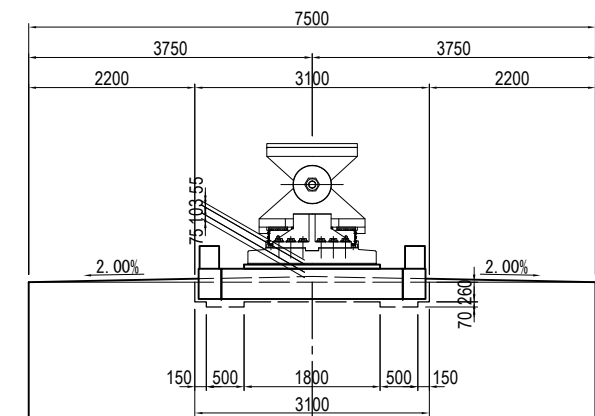


SIDE ELEVATION

2 - 2

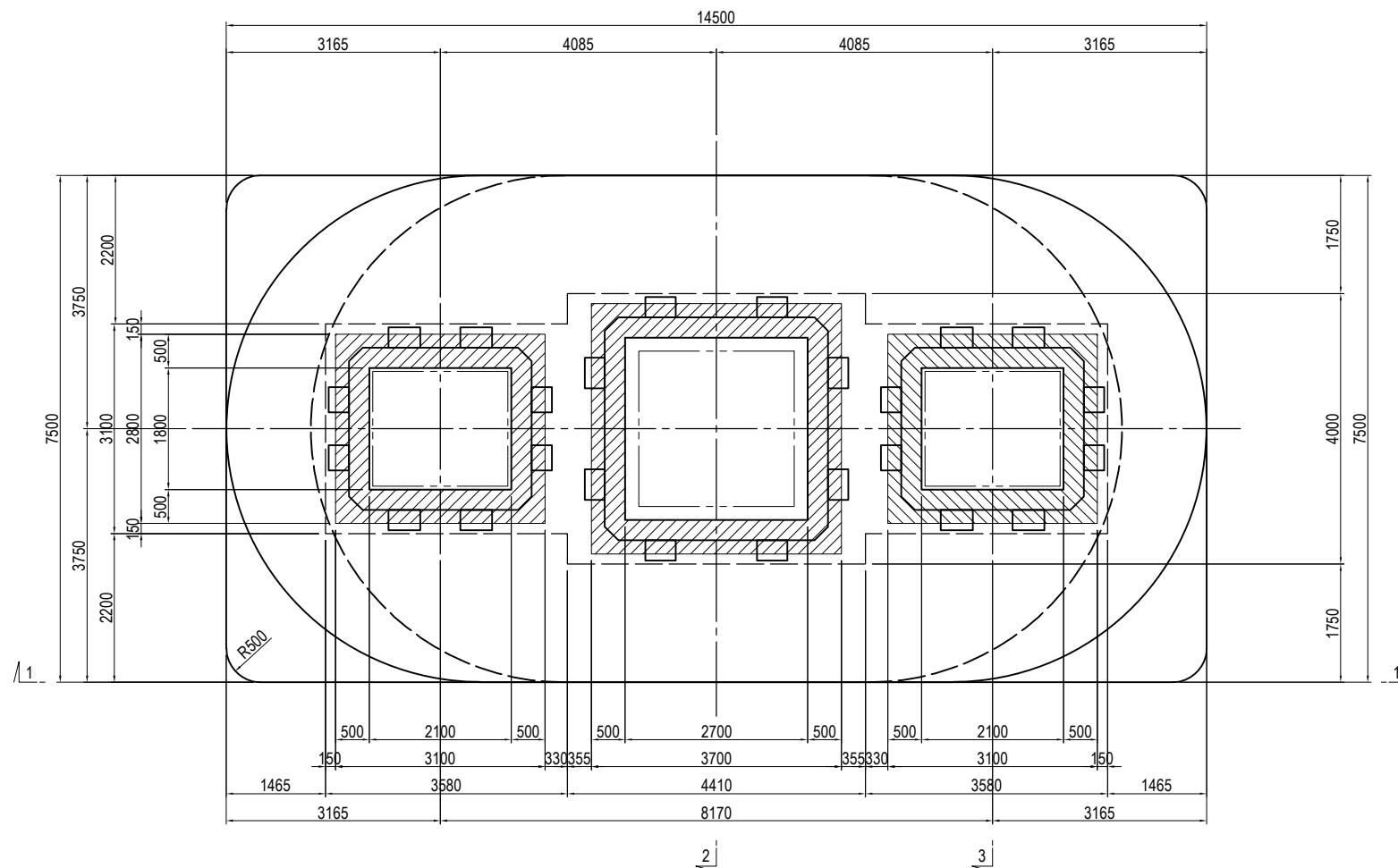


3 - 3

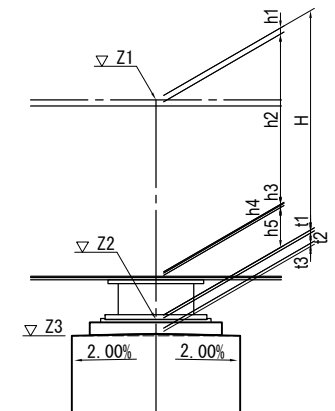


PLAN

4 - 4



	P12 PIER			
	SL2	CL	SR2	
PROPOSED HEIGHT	Z1	17.948	18.030	17.948
PAVEMENT	h1	0.080	0.080	0.080
GIRDER	h2	2.618	2.700	2.618
BOTTOM FLANGE	h3	0.015	0.015	0.015
SOLE PLATE	h4	0.052	0.097	0.052
BEARING	h5	1.550	1.550	1.550
SUBTOTAL	H	4.315	4.442	4.315
ELEVATION OF BEARING BOTTOM	Z2	13.633	13.588	13.633
MORTAR	t1	0.055	0.065	0.055
BEARING BASE	t2	0.103	0.048	0.103
DRAINAGE INCLINE	t3	0.075	0.075	0.075
ELEVATION OF PIER TOP	Z3	13.400	13.400	13.400



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

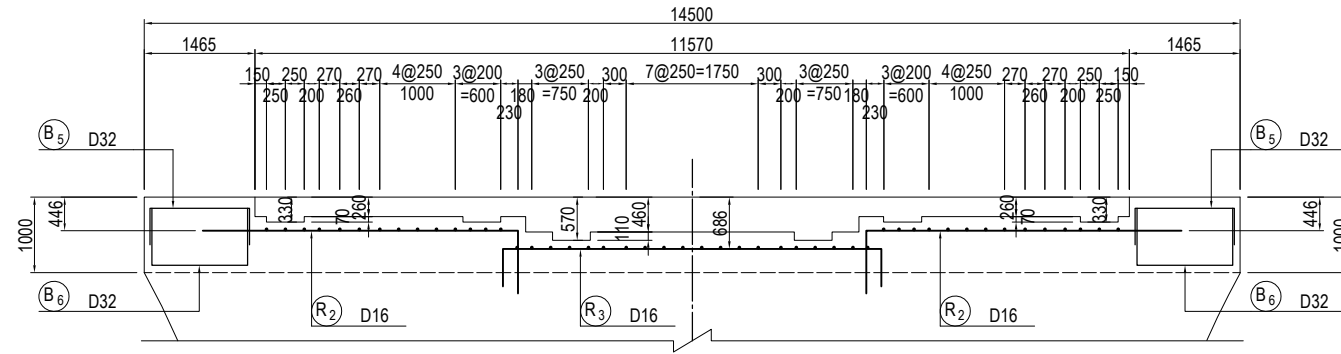
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
GENERAL ARRANGEMENT OF P12 PIER (2)

PACKAGE
1
DWG No.
P1-CS-2202

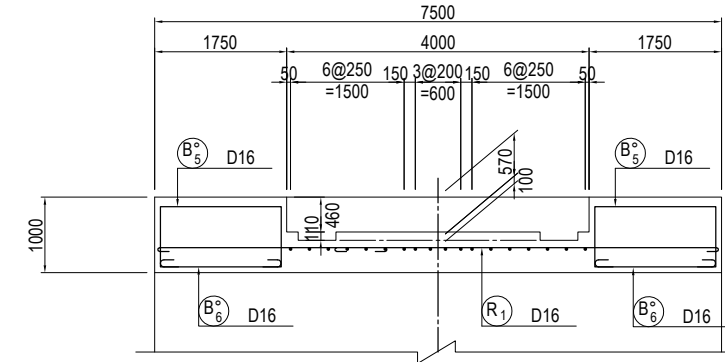
BAR ARRANGEMENT OF P12 PIER (2) S=1:100

SECTION A - A

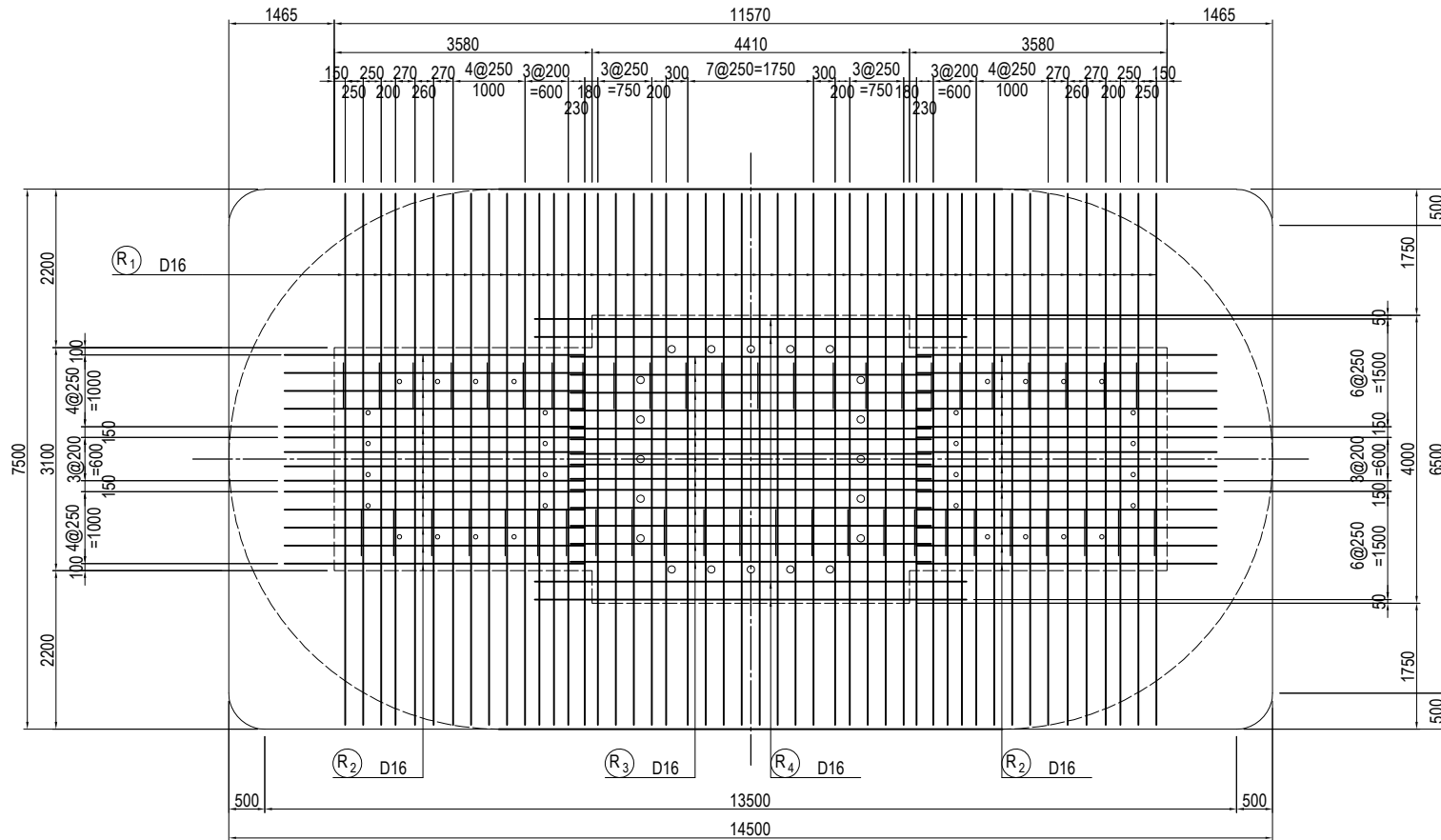


BEAM

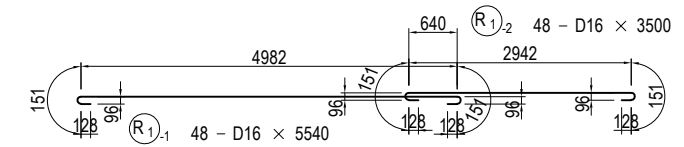
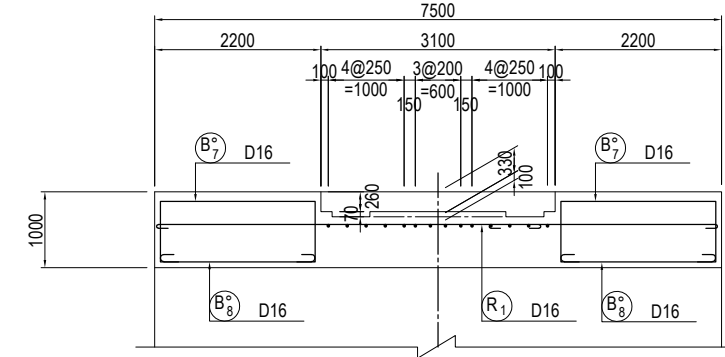
SECTION C - C



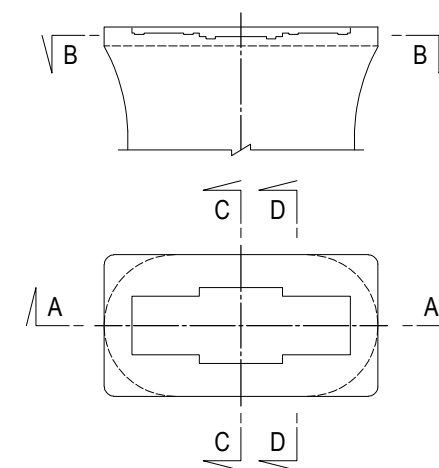
PLAN B - B



SECTION D - D



MARKING DIAGRAM

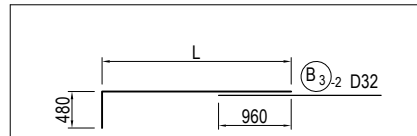
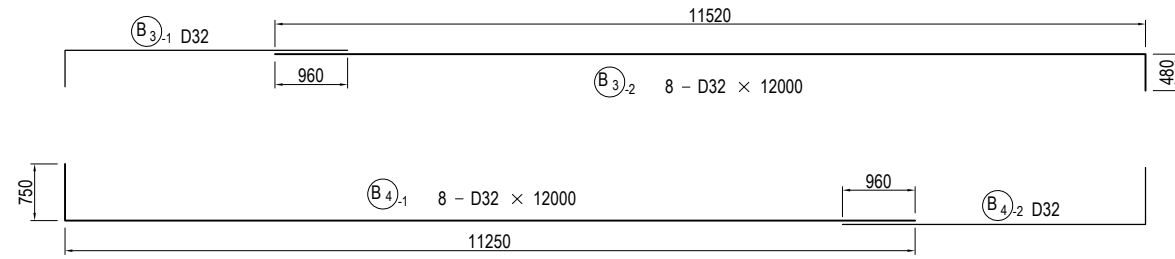
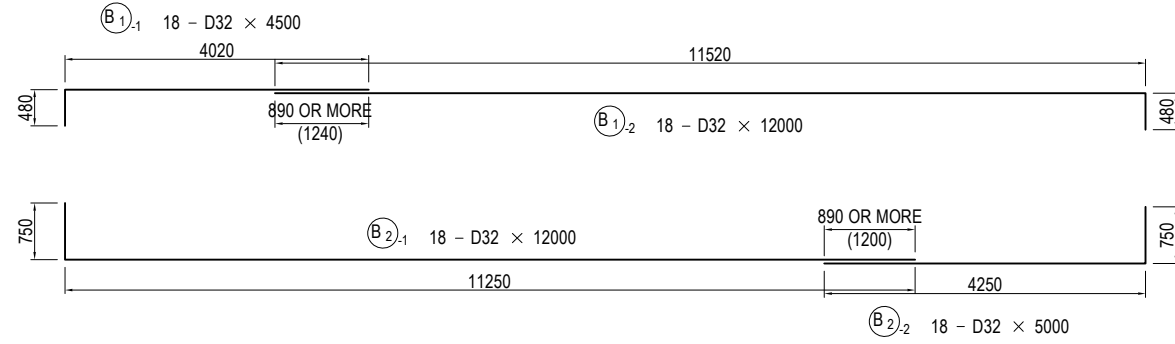


USE MATERIALS

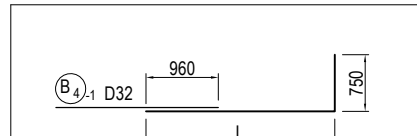
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P12 PIER (2)</h3>	PACKAGE 1 DWG No. P1-CS-2204
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

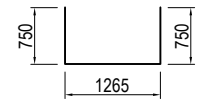
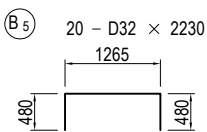
BAR ARRANGEMENT OF P12 PIER (3) S=1:100 BEAM



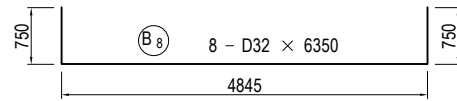
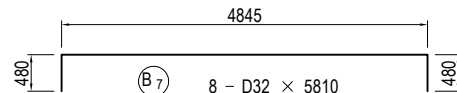
B ₃₋₁ 8 - D32 × 3960 (AVE)				
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B3-1 1	D32	2	2940	3420
2	"	2	3530	4010
3	"	2	3689	4169
4	"	2	3740	4220
AVE		8		3955



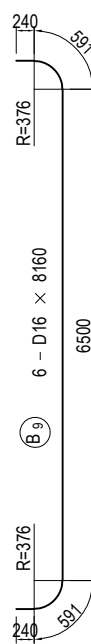
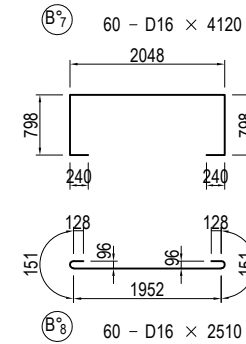
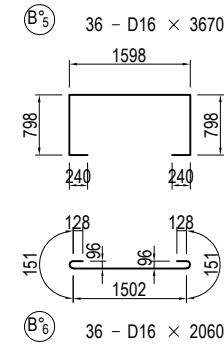
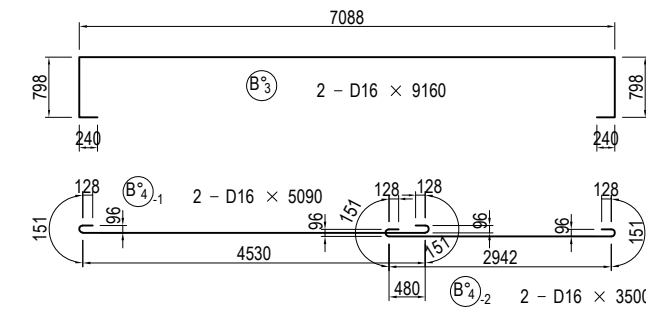
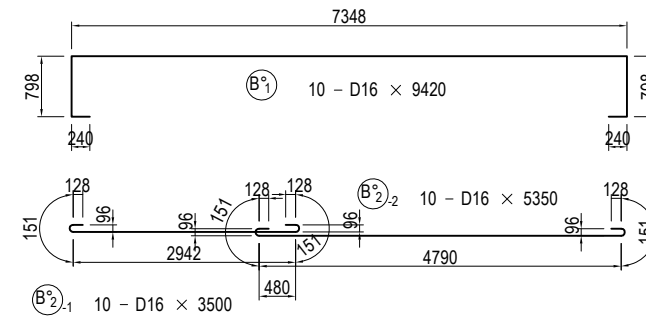
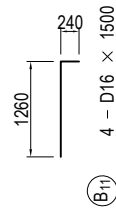
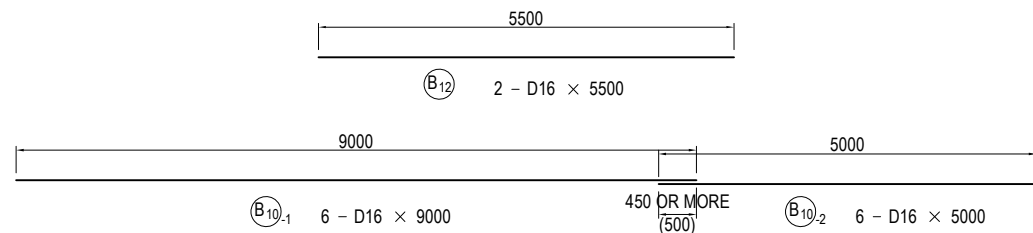
B ₄₋₂ 8 - D32 × 4500 (AVE)				
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B4-2 1	D32	2	3210	3960
2	"	2	3800	4550
3	"	2	3959	4709
4	"	2	4010	4760
AVE		8		4495



B₅ 20 - D32 × 2230
B₆ 20 - D32 × 2770



B₇ 8 - D32 × 5810
B₈ 8 - D32 × 6350



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 PIER (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2205

BAR ARRANGEMENT OF P12 PIER (4) S=1:100

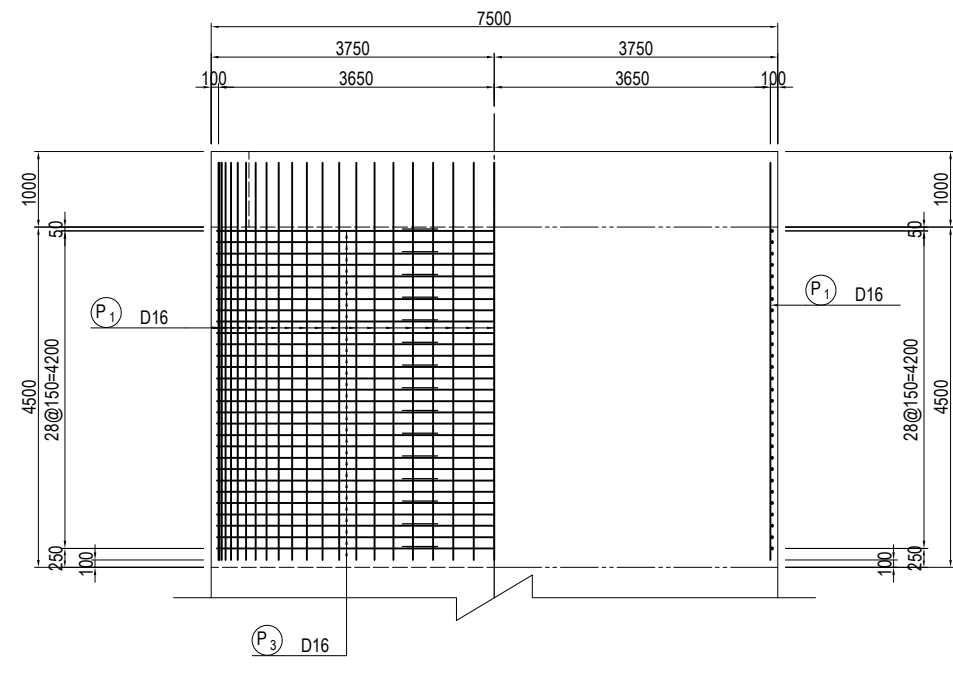
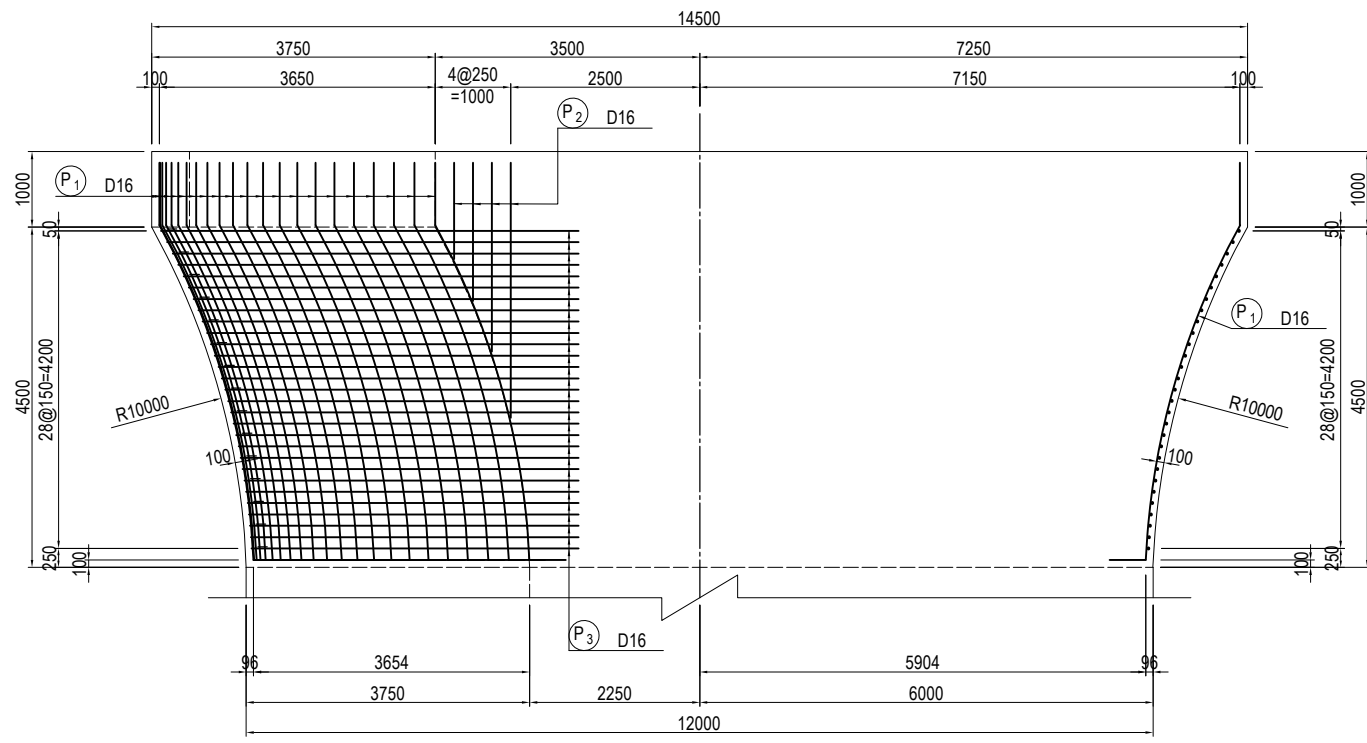
BEAM

FRONT ELEVATION
1 - 1

SECTION
2 - 2

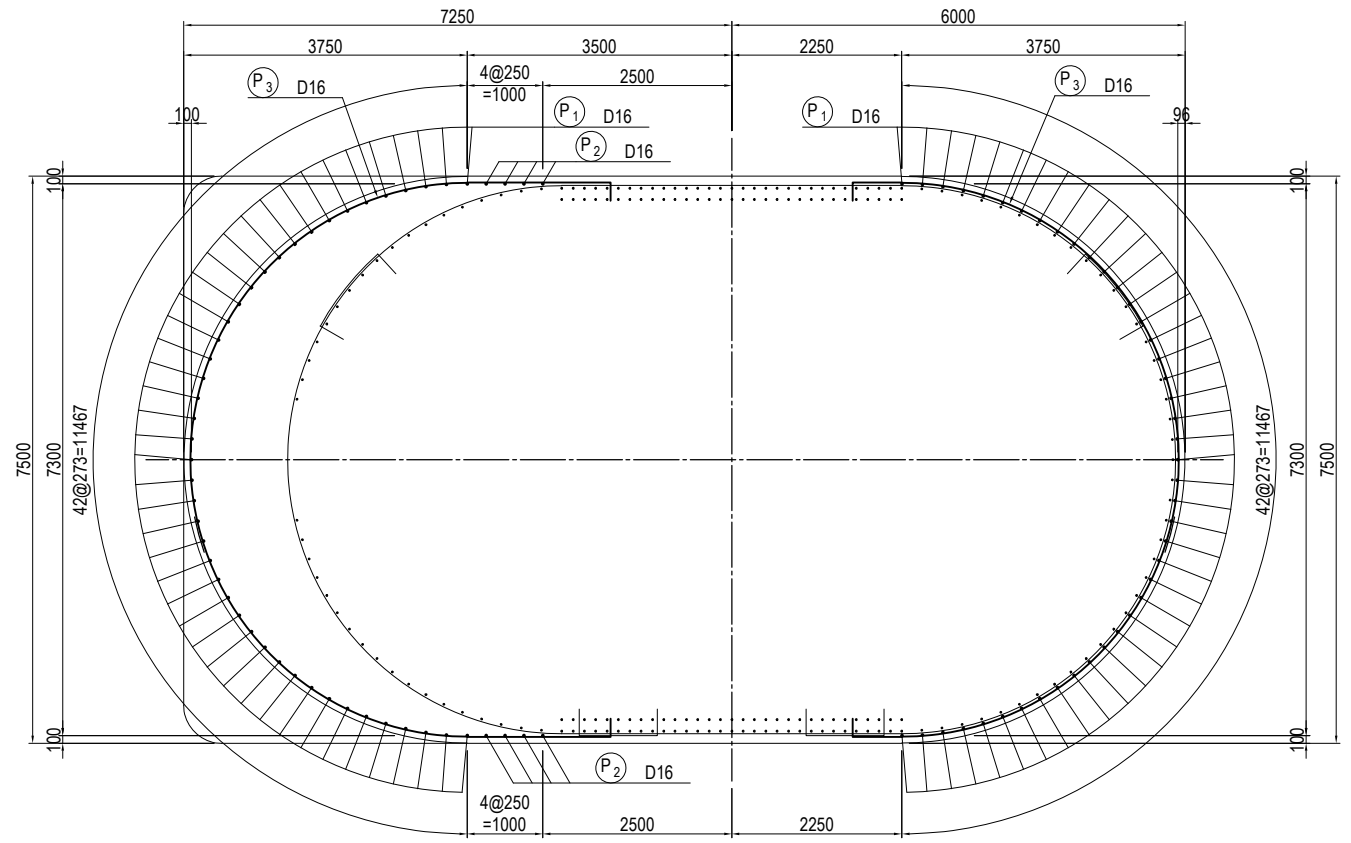
SIDE ELEVATION
3 - 3

SECTION
4 - 4

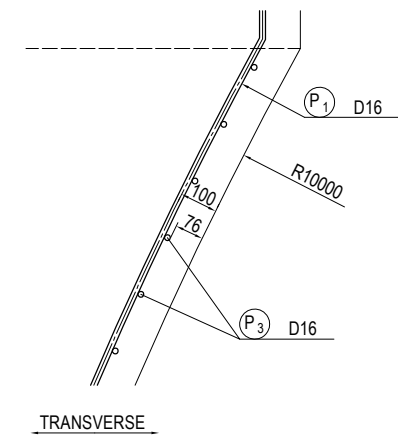


5 - 5 PLAN

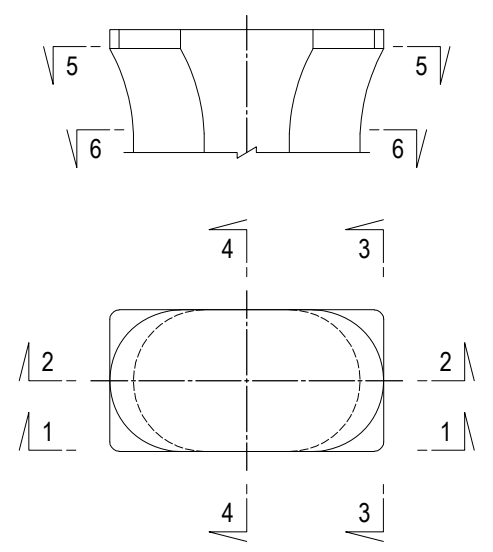
6 - 6



DETAIL OF WIDENED PART S=1:20



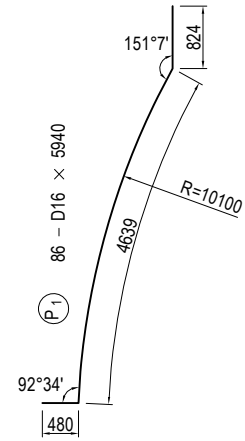
MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P12 PIER (5) S=1:100 BEAM



(P₂) 16 - D16 × 2720 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P2	1	D16	4	1271	1751
	2	"	4	1826	2306
	3	"	4	2494	2974
	4	"	4	3371	3851
AVE			16		2721

(P₃₋₁) 58 - D16 × 6340 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P3-1	1	D16	2	1859	7099
	2	"	2	1779	7019
	3	"	2	1703	6943
	4	"	2	1629	6869
	5	"	2	1559	6799
	6	"	2	1492	6732
	7	"	2	1428	6668
	8	"	2	1366	6606
	9	"	2	1307	6547
	10	"	2	1251	6491
	11	"	2	1198	6438
	12	"	2	1147	6387
	13	"	2	1099	6339
	14	"	2	1054	6294
	15	"	2	1011	6251
	16	"	2	970	6210
	17	"	2	932	6172
	18	"	2	897	6137
	19	"	2	863	6103
	20	"	2	833	6073
	21	"	2	804	6044
	22	"	2	778	6018
	23	"	2	754	5994
	24	"	2	733	5973
	25	"	2	714	5954
	26	"	2	697	5937
	27	"	2	682	5922
	28	"	2	670	5910
	29	"	2	660	5900
AVE			58		6339

(P₃₋₂) 58 - D16 × 8340 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL	
P3-2	1	D16	2	1859	9096
	2	"	2	1779	9016
	3	"	2	1703	8940
	4	"	2	1629	8866
	5	"	2	1559	8796
	6	"	2	1492	8729
	7	"	2	1428	8665
	8	"	2	1366	8603
	9	"	2	1307	8544
	10	"	2	1251	8488
	11	"	2	1198	8435
	12	"	2	1147	8384
	13	"	2	1099	8336
	14	"	2	1054	8291
	15	"	2	1011	8248
	16	"	2	970	8207
	17	"	2	932	8169
	18	"	2	897	8134
	19	"	2	863	8100
	20	"	2	833	8070
	21	"	2	804	8041
	22	"	2	778	8015
	23	"	2	754	7991
	24	"	2	733	7970
	25	"	2	714	7951
	26	"	2	697	7934
	27	"	2	682	7919
	28	"	2	670	7907
	29	"	2	660	7897
AVE			58		8336

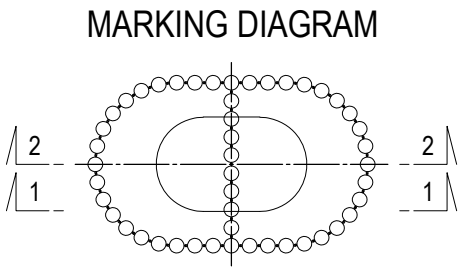
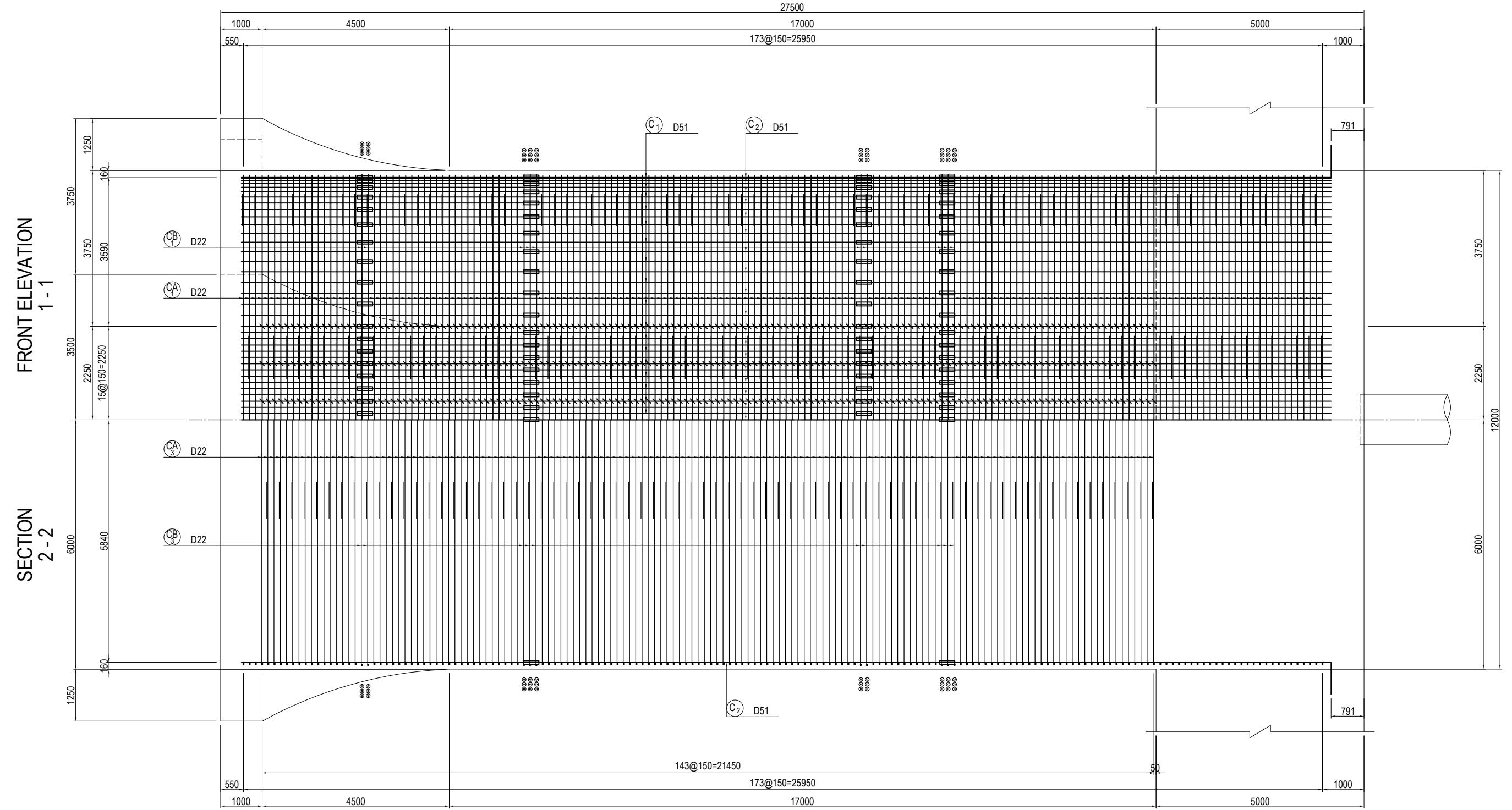
USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			BAR ARRANGEMENT OF P12 PIER (5)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-2207

BAR ARRANGEMENT OF P12 PIER (6) COLUMN

S=1:100



Notes) 1. : This mark indicates hoop arranged in the location of mechanical joint.
 2. : This mark indicates a mechanical joint.

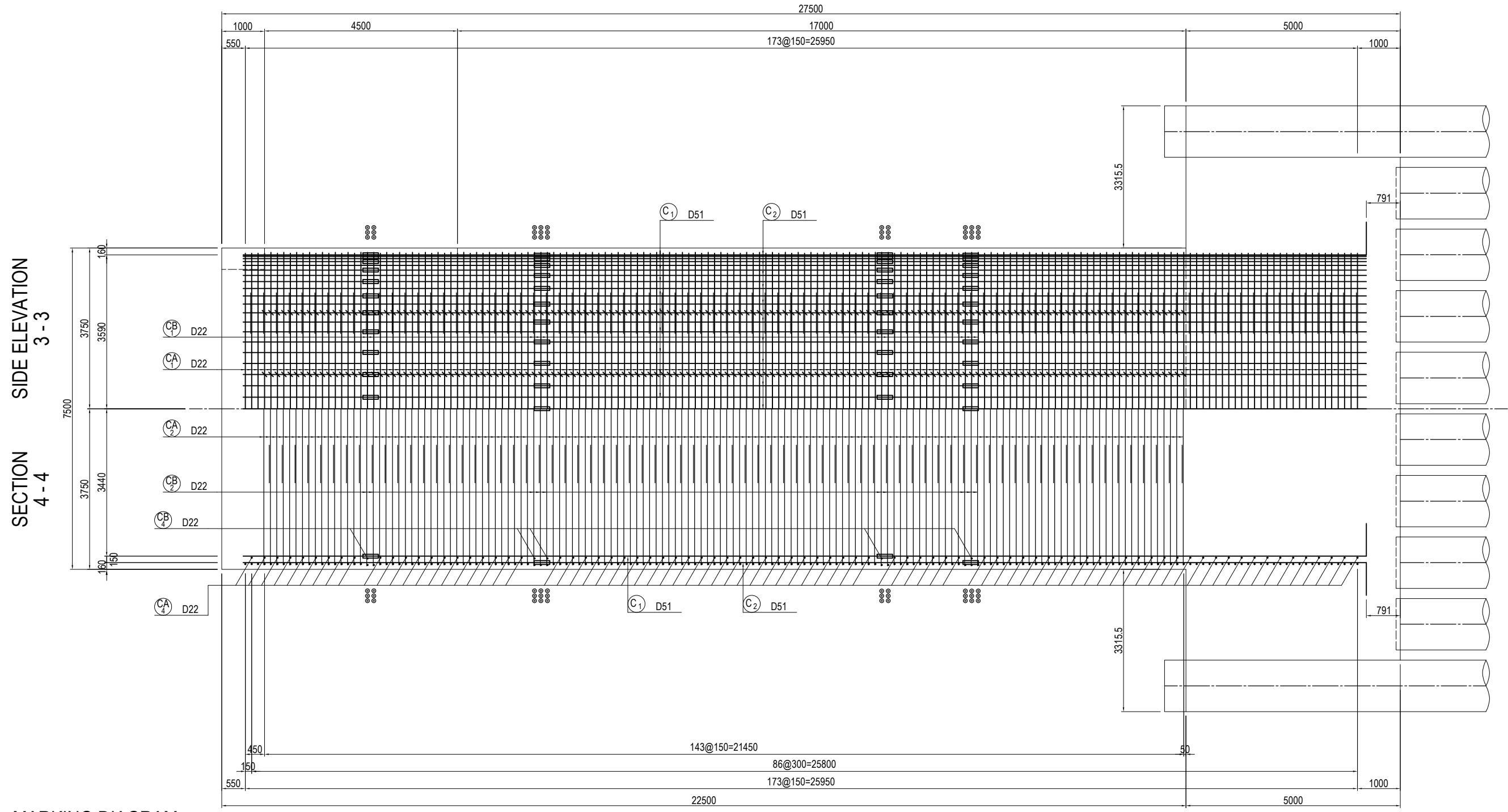
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

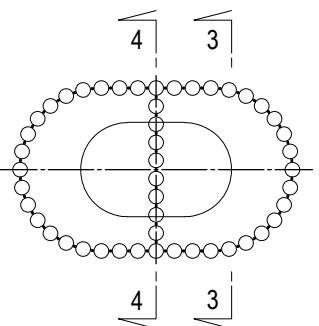
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE BAR ARRANGEMENT OF P12 PIER (6)	PACKAGE 1 DWG No. P1-CS-2208
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P12 PIER (7) COLUMN

S=1:100



MARKING DIAGRAM



Notes) 1. : This mark indicates hoop arranged in the location of mechanical joint.
 2. : This mark indicates a mechanical joint.

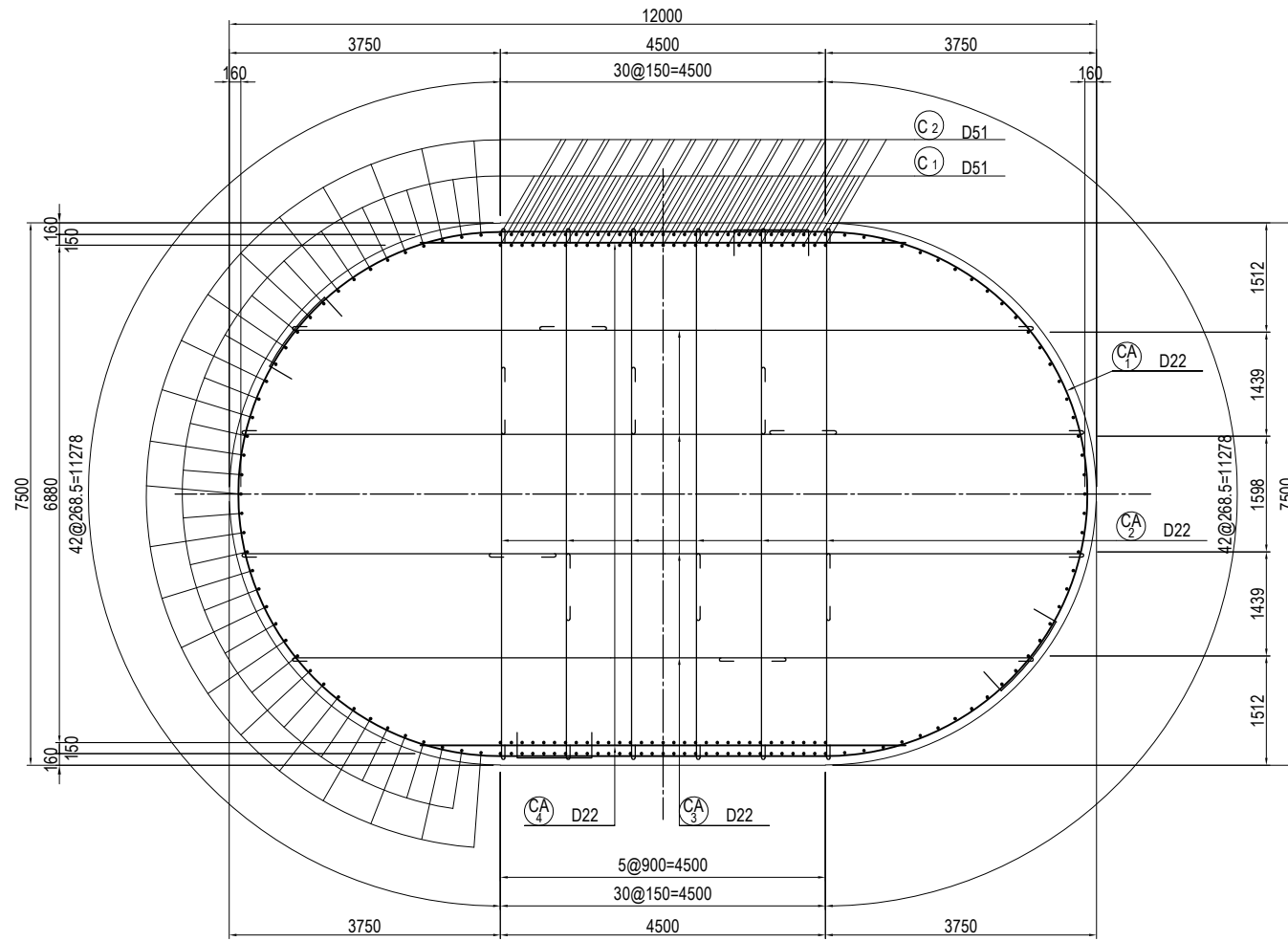
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

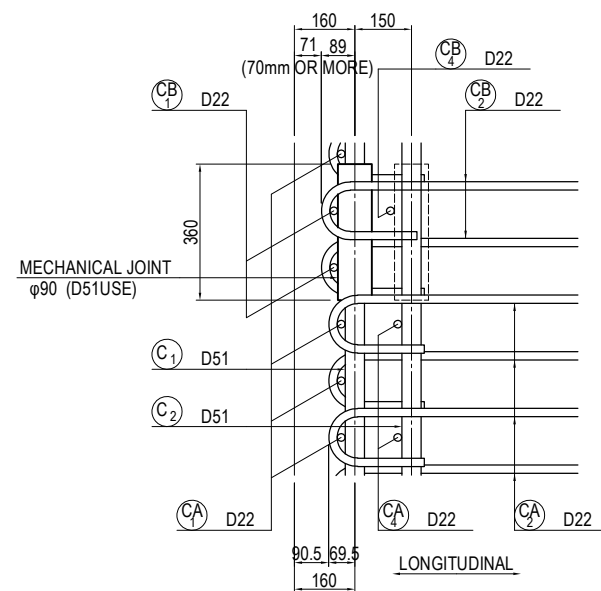
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE BAR ARRANGEMENT OF P12 PIER (7)	PACKAGE 1 DWG No. P1-CS-2209
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P12 PIER (8) S=1:100 COLUMN

PLAN
5-5

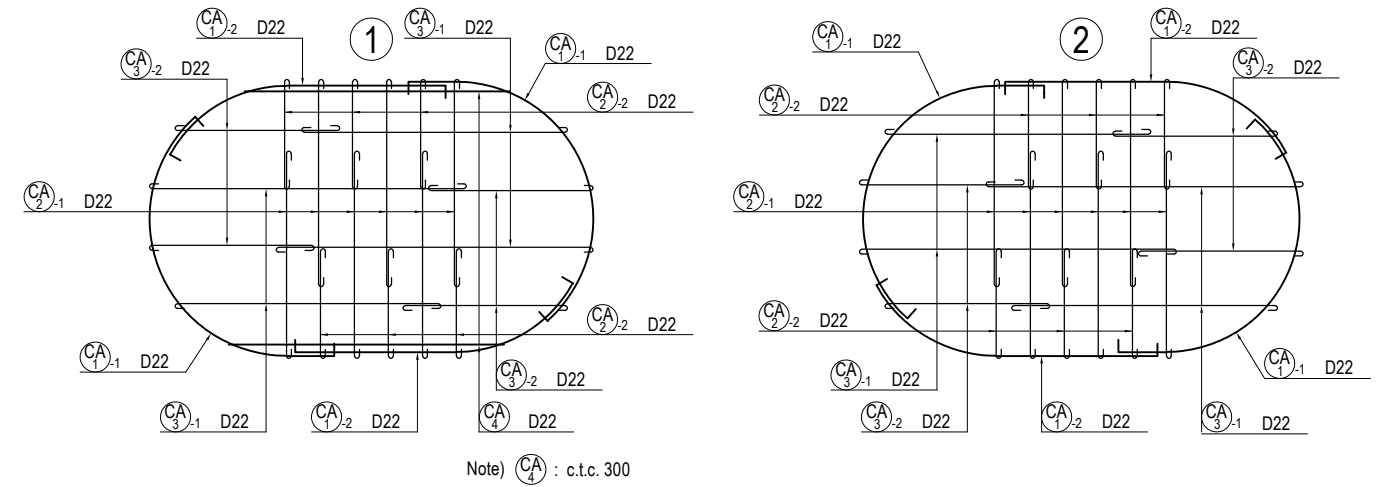


DETAIL OF COLUMN S=1:20

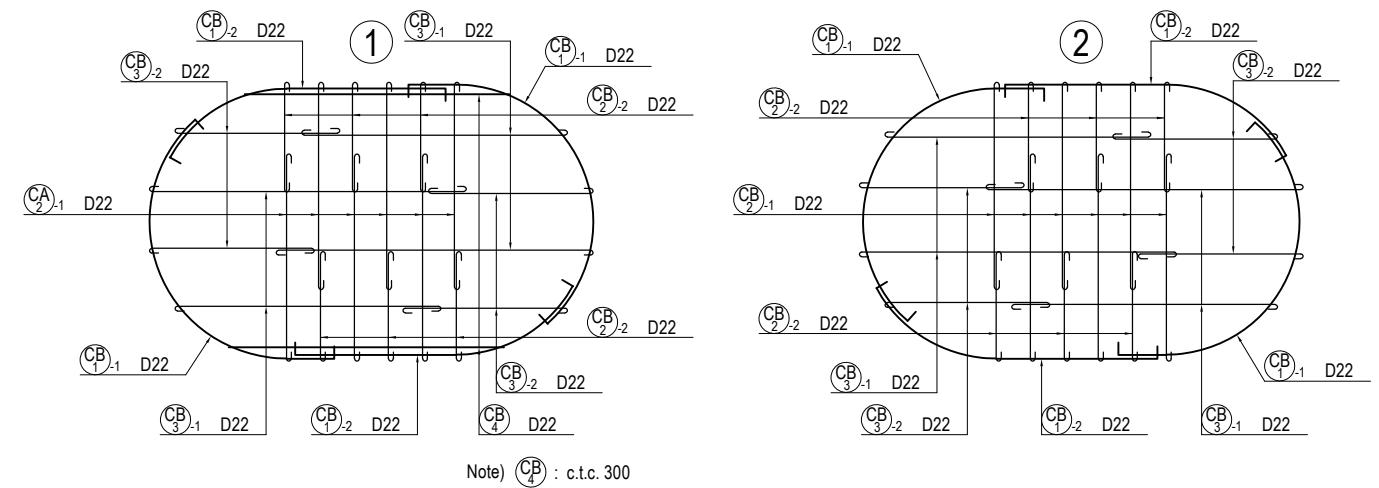


ASSEMBLY DRAWING OF HOOP
(c.t.c. 150)

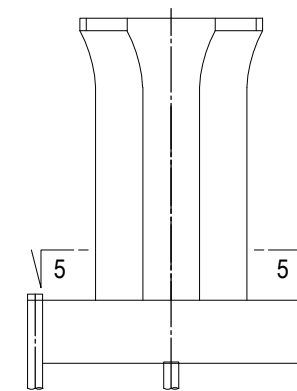
【STANDARD PART】



【MECHANICAL JOINT PART】



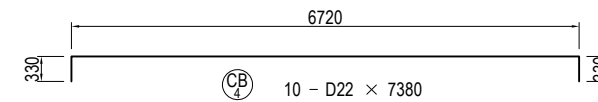
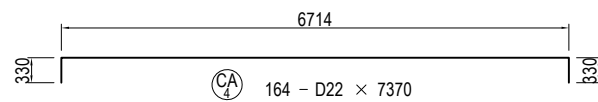
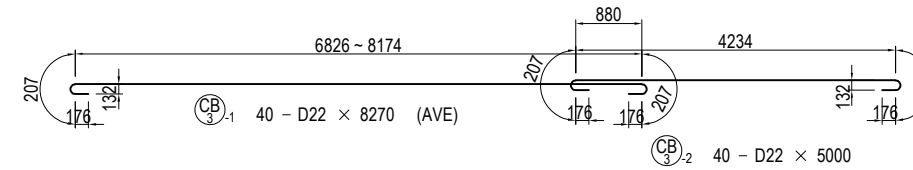
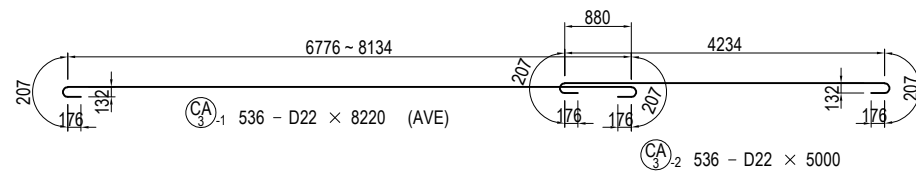
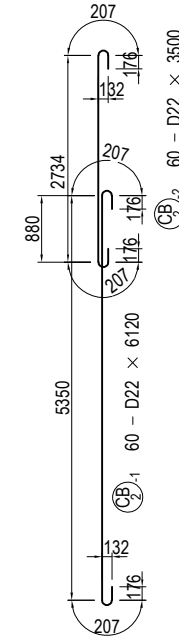
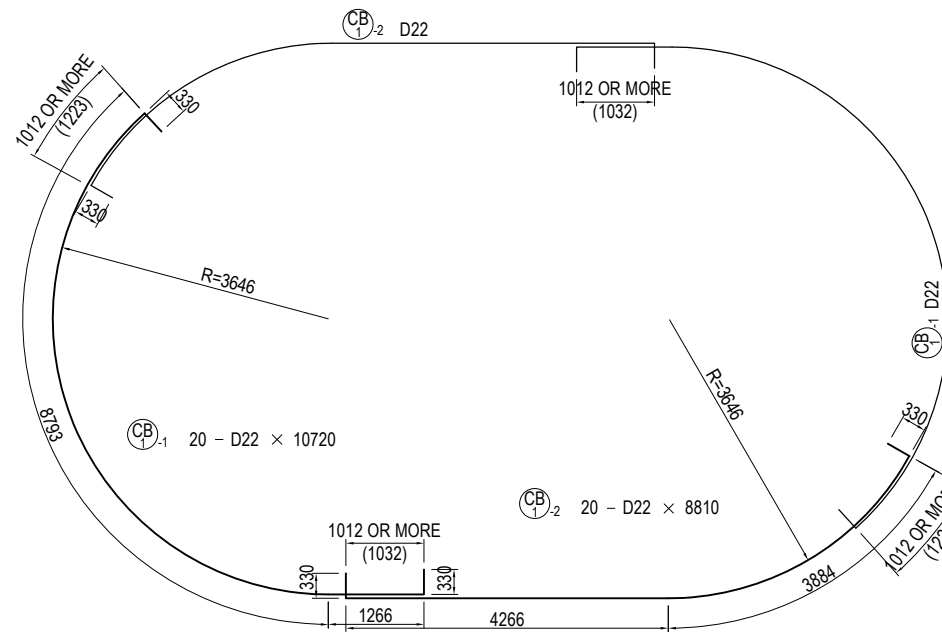
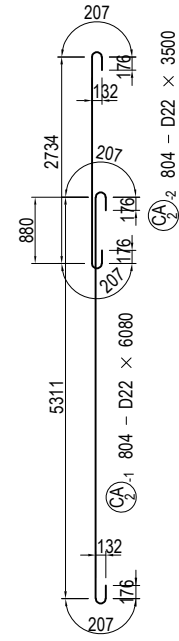
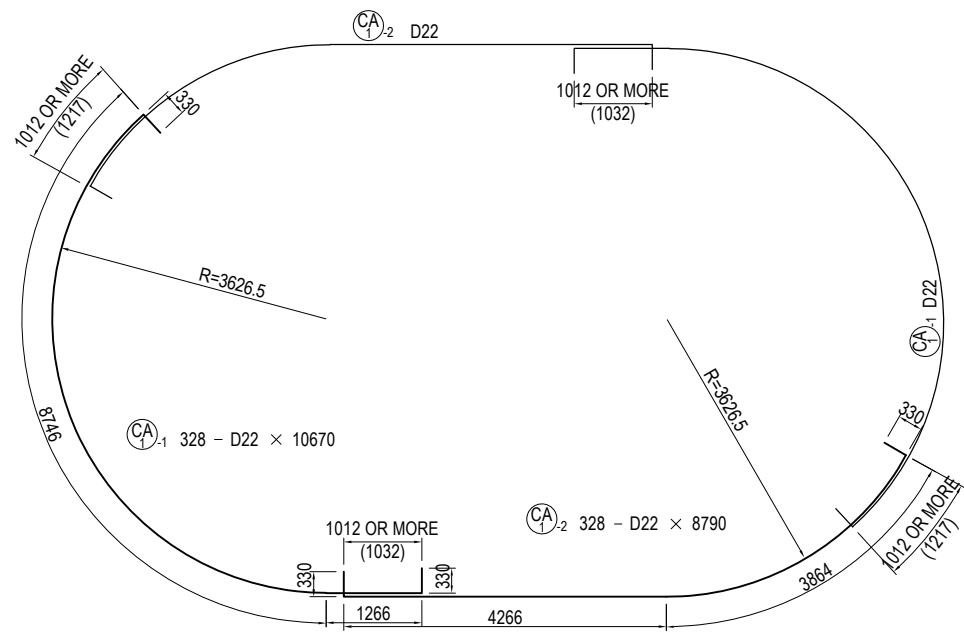
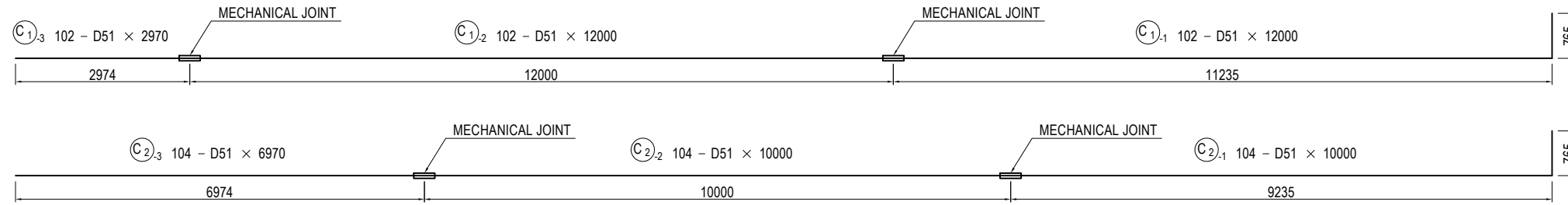
MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P12 PIER (9) S=1:100 COLUMN



LAP LENGTH LIST OF HOOP

DIA.	R	LAP LENGTH (40φ)	L
D13	39	520	598
D16	48	640	736
D19	57	760	874
D22	66	880	1012
D25	75	1000	1150
D29	87	1160	1334
D32	96	1280	1472

Note) : This mark indicates a mechanical joint.

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 PIER (9)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2211

BAR ARRANGEMENT OF P12 PIER (10) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS	
B	1-1	D32	4500	18	6.23	28.04	505	┌
	1-2	"	12000	18	"	74.76	1346	└
	2-1	"	12000	18	"	74.76	1346	└
	2-2	"	5000	18	"	31.15	561	└
	3-1	"	3960	8	"	24.67	197	┌ (AVE)
	3-2	"	12000	8	"	74.76	598	└
	4-1	"	12000	8	"	74.76	598	└
	4-2	"	4500	8	"	28.04	224	└ (AVE)
	5	"	2230	20	"	13.89	278	┌
	6	"	2770	20	"	17.26	345	└
	7	"	5810	8	"	36.20	290	┌
	8	"	6350	8	"	39.56	316	└
	9	D16	8160	6	1.56	12.73	76	└
	10-1	"	9000	6	"	14.04	84	└
	10-2	"	5000	6	"	7.80	47	"
	11	"	1500	4	"	2.34	9	┌
	12	"	5500	2	"	8.58	17	└
						SUBTOTAL	6837	kg
B°	1	D16	9420	10	1.56	14.70	147	└
	2-1	"	3500	10	"	5.46	55	└
	2-2	"	5350	10	"	8.35	84	"
	3	"	9160	2	"	14.29	29	└
	4-1	"	5090	2	"	7.94	16	└
	4-2	"	3500	2	"	5.46	11	"
	5	"	3670	36	"	5.73	206	└
	6	"	2060	36	"	3.21	116	└
	7	"	4120	60	"	6.43	386	└
	8	"	2510	60	"	3.92	235	└
						SUBTOTAL	1285	kg
R	1-1	D16	5540	48	1.56	8.64	415	└
	1-2	"	3500	48	"	5.46	262	"
	2	"	5000	28	"	7.80	218	└
	3	"	6000	14	"	9.36	131	└
	4	"	6000	4	"	9.36	37	└
						SUBTOTAL	1063	kg
P	1	D16	5940	86	1.56	9.27	797	└
	2	"	2720	16	"	4.24	68	└ (AVE)
	3-1	"	6340	58	"	9.89	574	└ (AVE)
	3-2	"	8340	58	"	13.01	755	└ (AVE)
						SUBTOTAL	2194	kg

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS	
C	1-1	D51	12000	102	15.9	190.80	19462	└ (102)
	1-2	"	12000	102	"	190.80	19462	└ (102)
	1-3	"	2970	102	"	47.22	4816	└
	2-1	"	10000	104	"	159.00	16536	└ (104)
	2-2	"	10000	104	"	159.00	16536	└ (104)
	2-3	"	6970	104	"	110.82	11525	└
						SUBTOTAL	88337	kg
CA	1-1	D22	10670	328	3.04	32.44	10640	└
	1-2	"	8790	328	"	26.72	8764	└
	2-1	"	6080	804	"	18.48	14858	└
	2-2	"	3500	804	"	10.64	8555	"
	3-1	"	8220	536	"	24.99	13395	└ (AVE)
	3-2	"	5000	536	"	15.20	8147	"
	4	"	7370	164	"	22.40	3674	└
						SUBTOTAL	68033	kg
CB	1-1	D22	10720	20	3.04	32.59	652	└
	1-2	"	8810	20	"	26.78	536	└
	2-1	"	6120	60	"	18.60	1116	└
	2-2	"	3500	60	"	10.64	638	"
	3-1	"	8270	40	"	25.14	1006	└ (AVE)
	3-2	"	5000	40	"	15.20	608	"
	4	"	7380	10	"	22.44	224	└
						SUBTOTAL	4780	kg
(MECHANICAL JOINT)								
				D51	88337	kg	(412)	
				D32	6604	"		
				D22	72813	"		
				D16	4775	"		
					TOTAL	172529	kg (412)	

USE MATERIALS

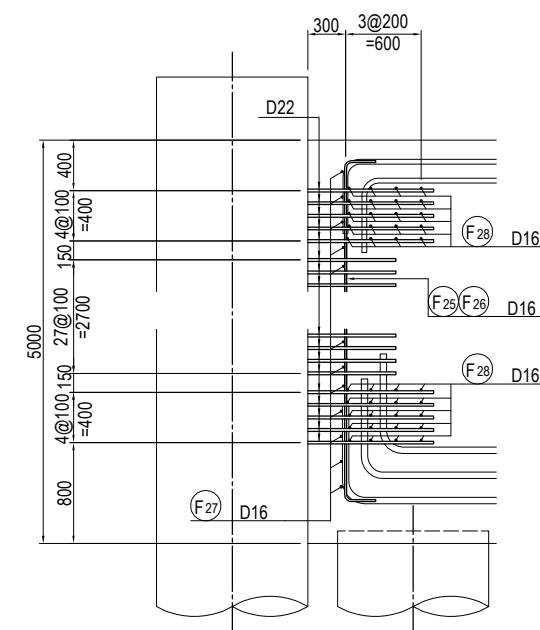
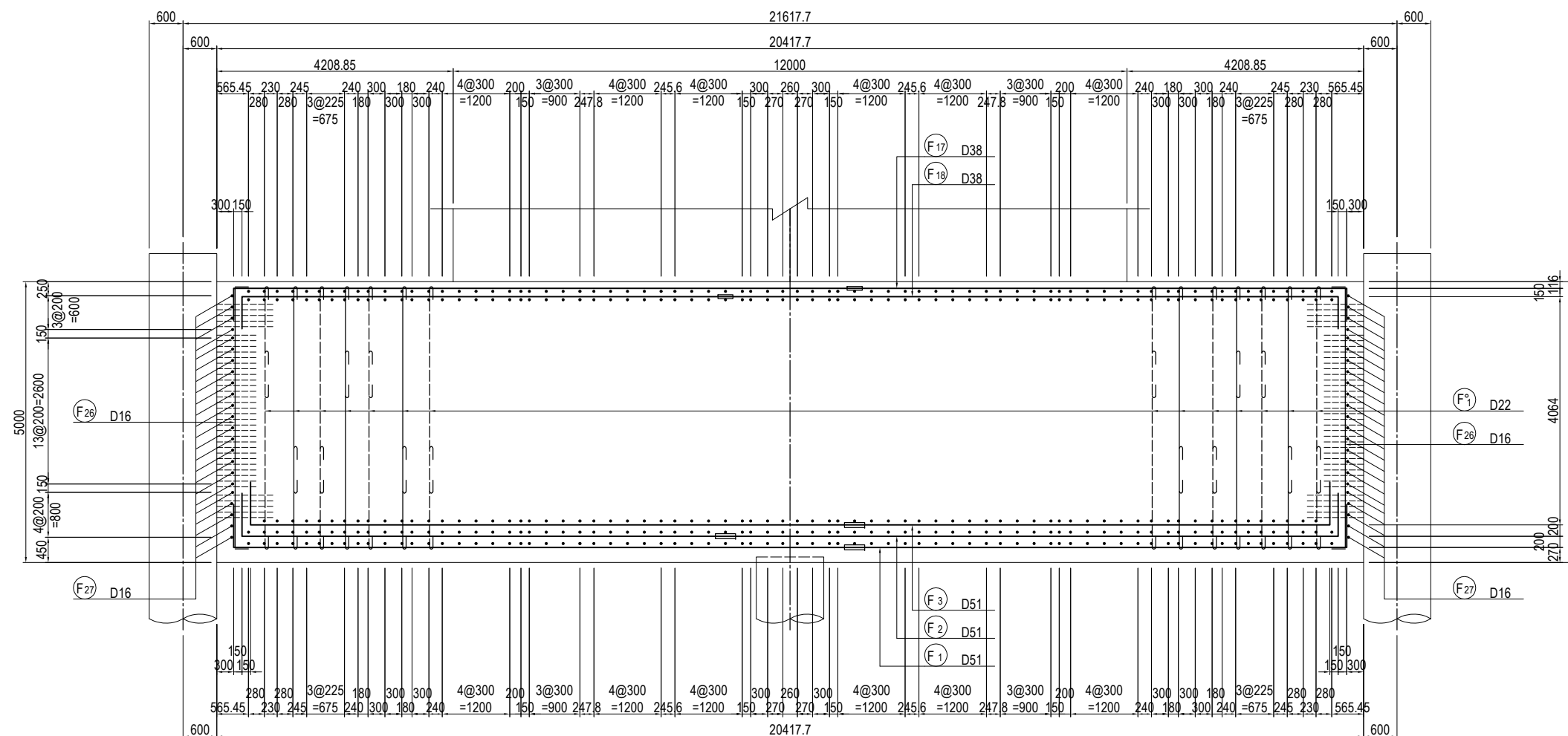
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P12 PIER (10)	<small>PACKAGE</small> 1 DWG No. P1-CS-2212
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

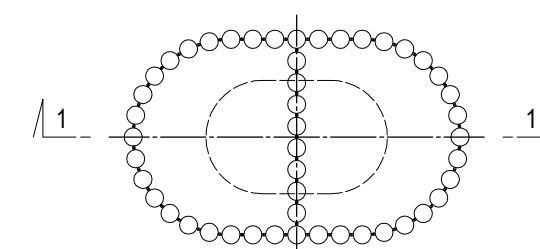
BAR ARRANGEMENT OF P12 FOOTING (1) S=1:100

SECTION 1 - 1

DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:60



MARKING DIAGRAM



USE MATERIALS

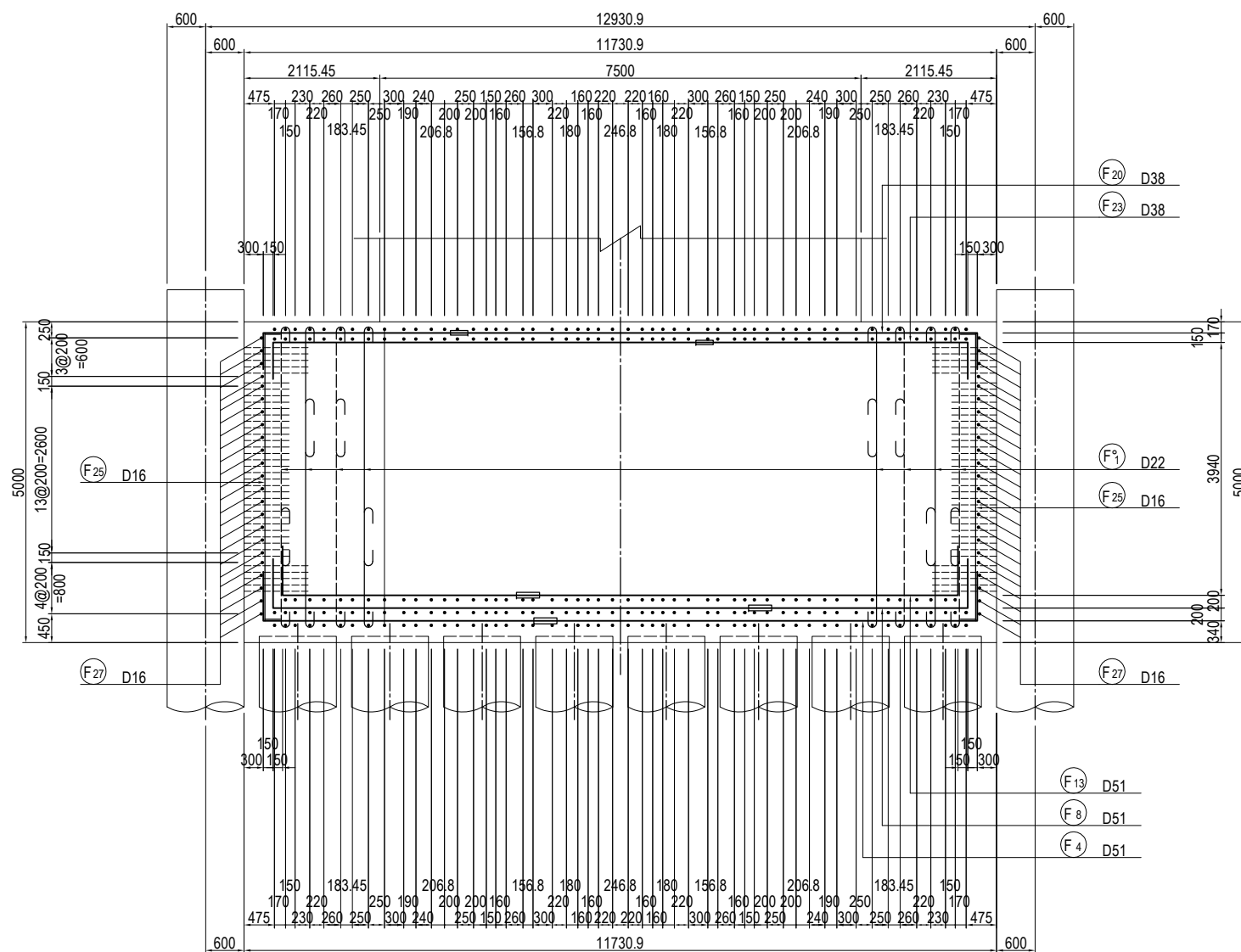
	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

Note) : MECHANICAL JOINT

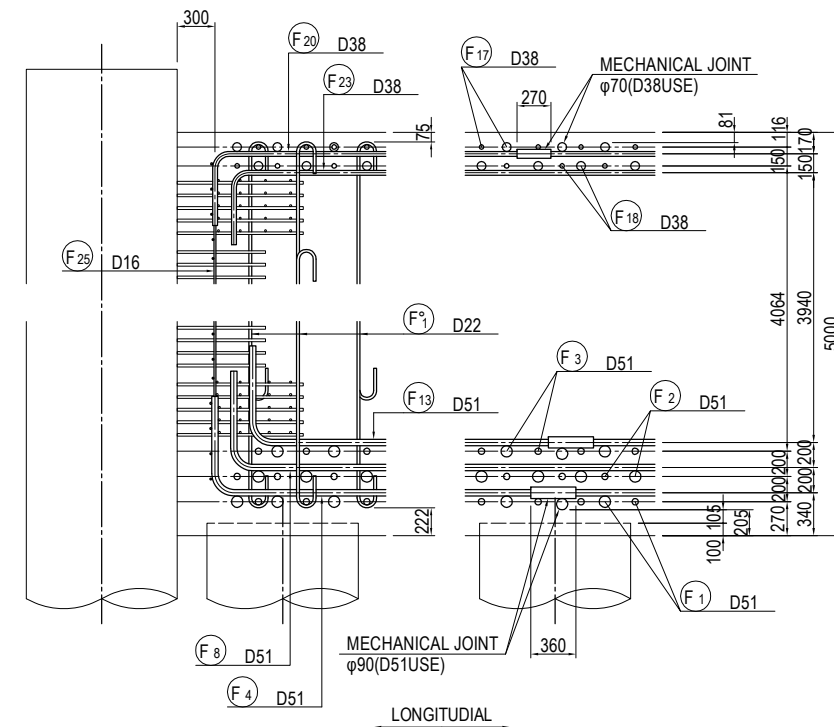
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 FOOTING (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2213

BAR ARRANGEMENT OF P12 FOOTING (2) S=1:100

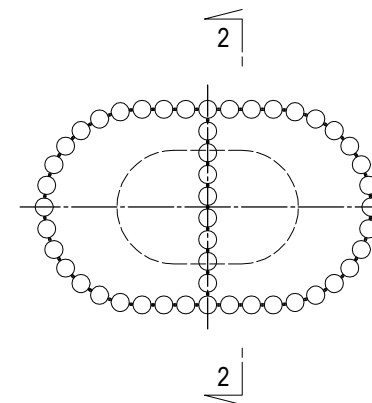
SECTION 2-2



DETAIL OF PILE CAP S=1:60



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

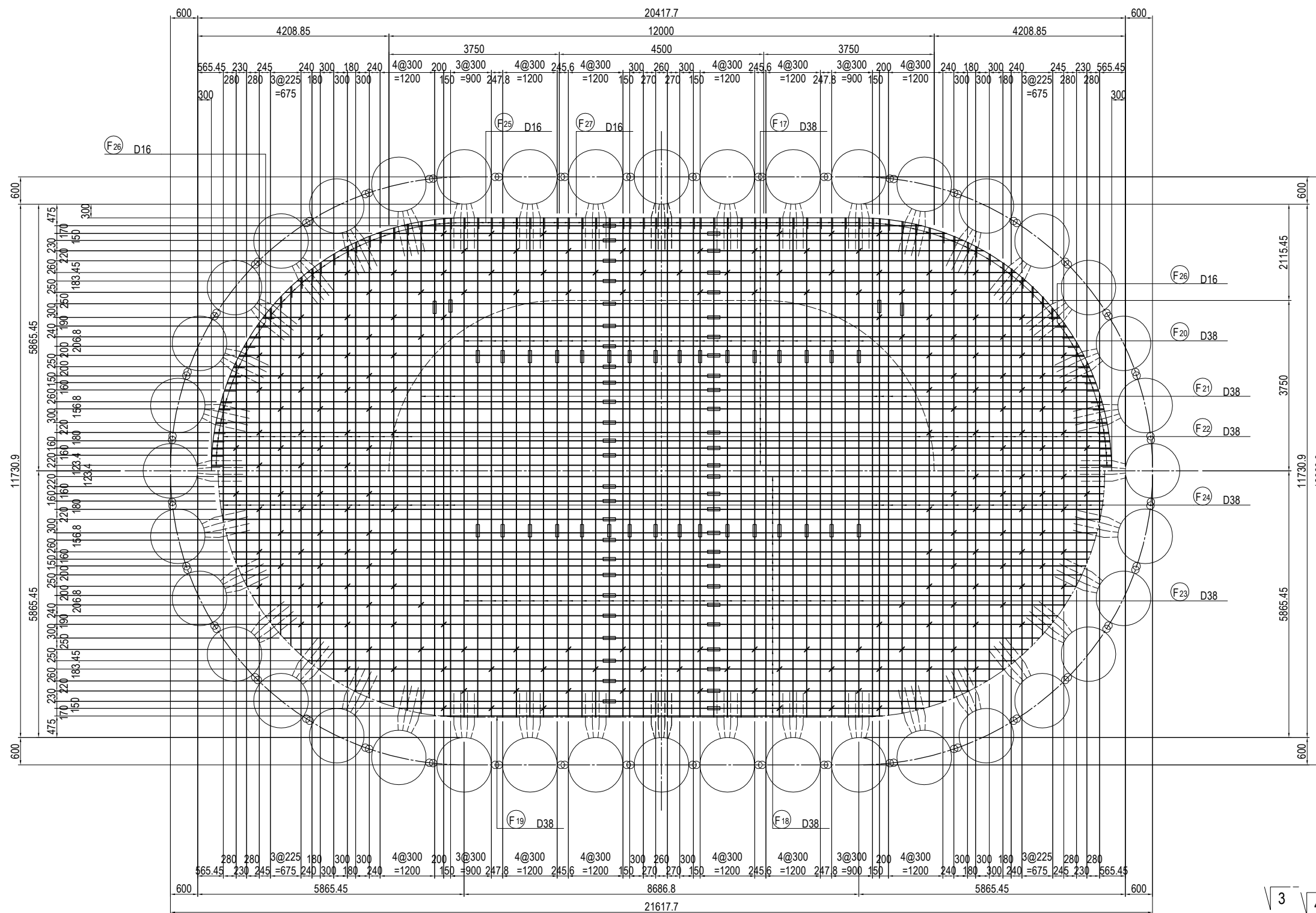
Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 FOOTING (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2214

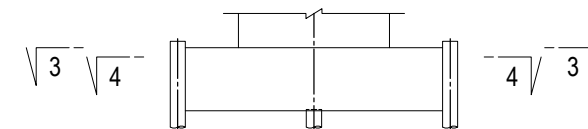
BAR ARRANGEMENT OF P12 FOOTING (3) S=1:100

PLAN 3-3

PLAN 4-4



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

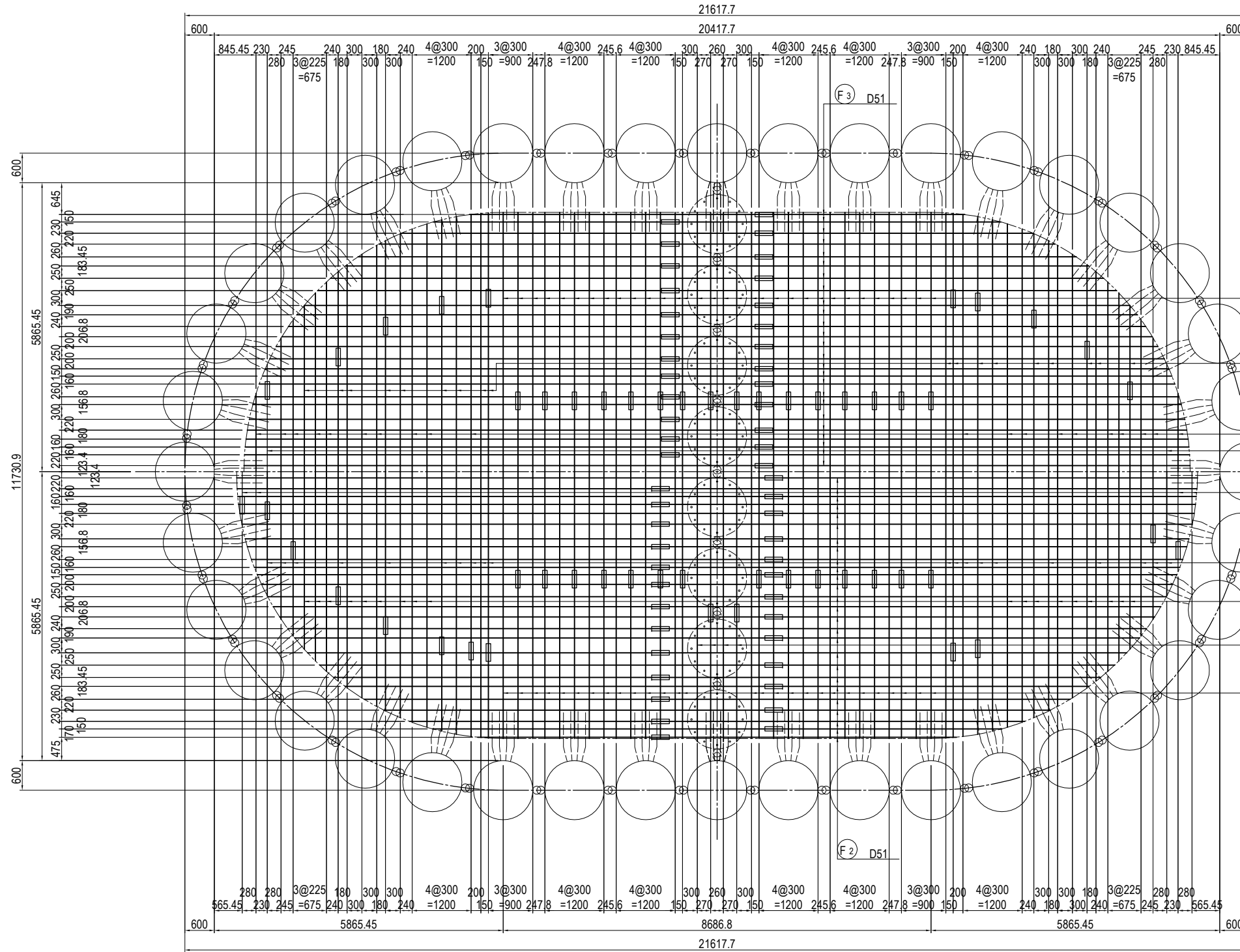
Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P12 FOOTING (3)</h2>	PACKAGE 1 DWG No. P1-CS-2215
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

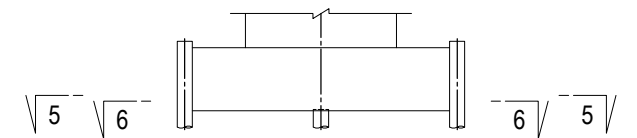
BAR ARRANGEMENT OF P12 FOOTING (4) S=1:100

PLAN
5-5

PLAN
6-6



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

Note) : MECHANICAL JOINT

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

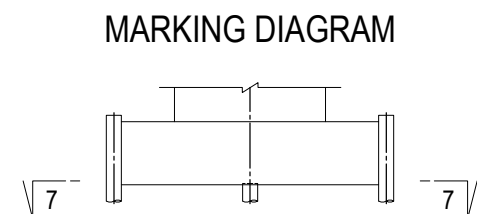
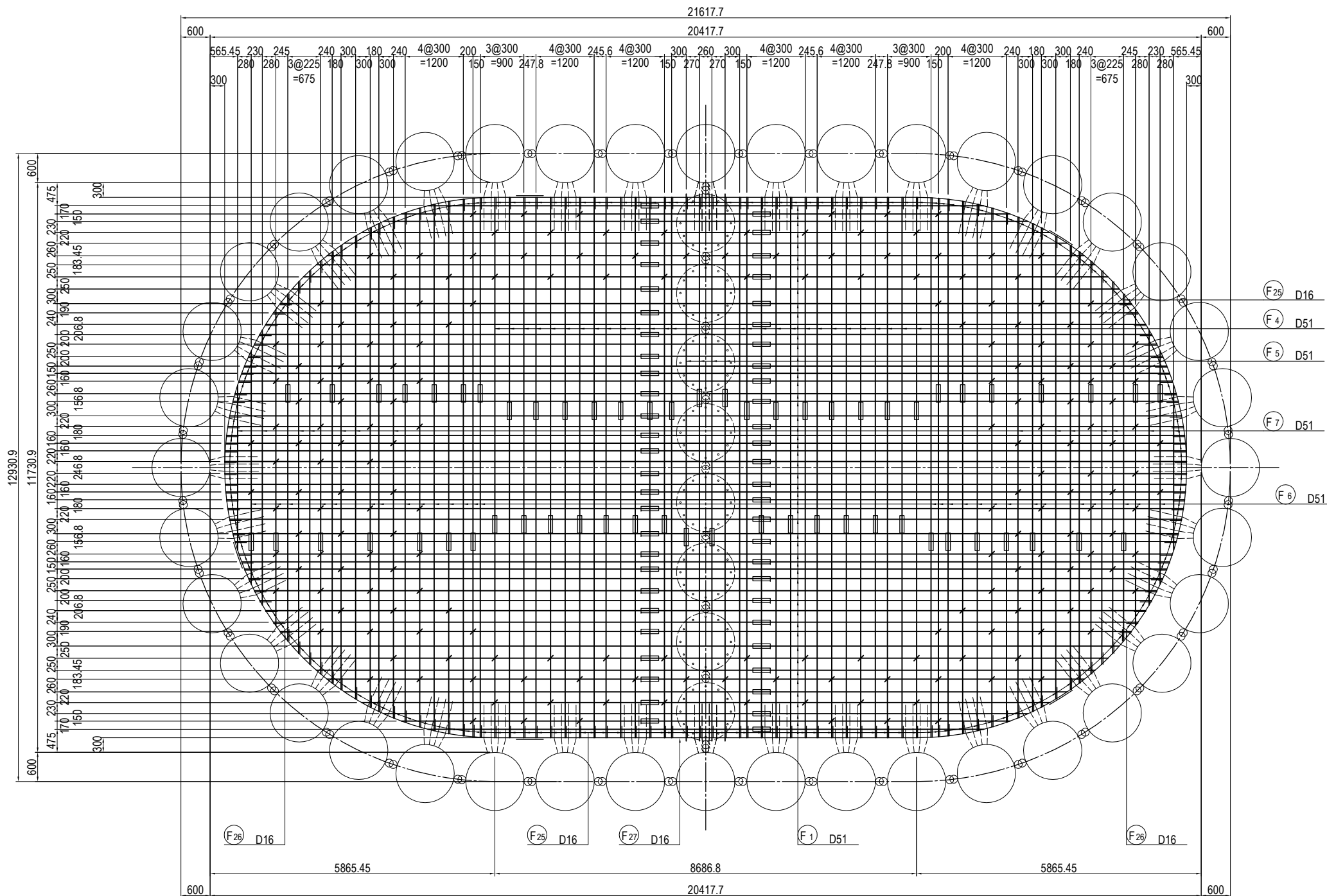
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
BAR ARRANGEMENT OF P12 FOOTING (4)

PACKAGE
1
DWG No.
P1-CS-2216

BAR ARRANGEMENT OF P12 FOOTING (5) S=1:100

PLAN
7-7



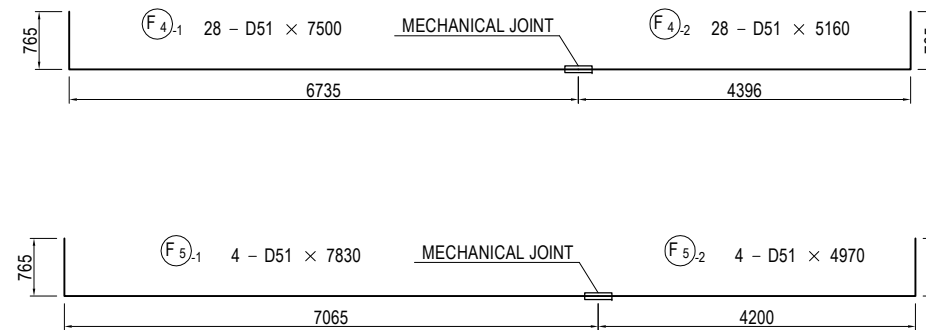
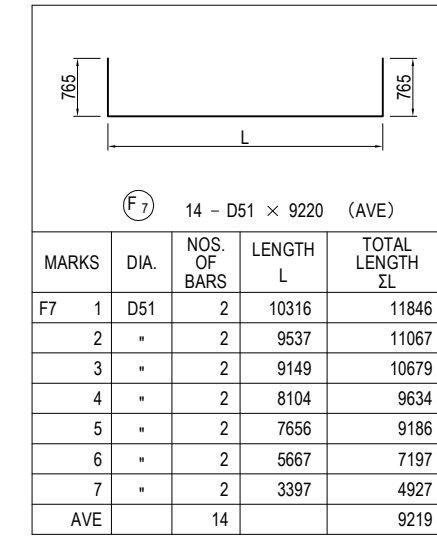
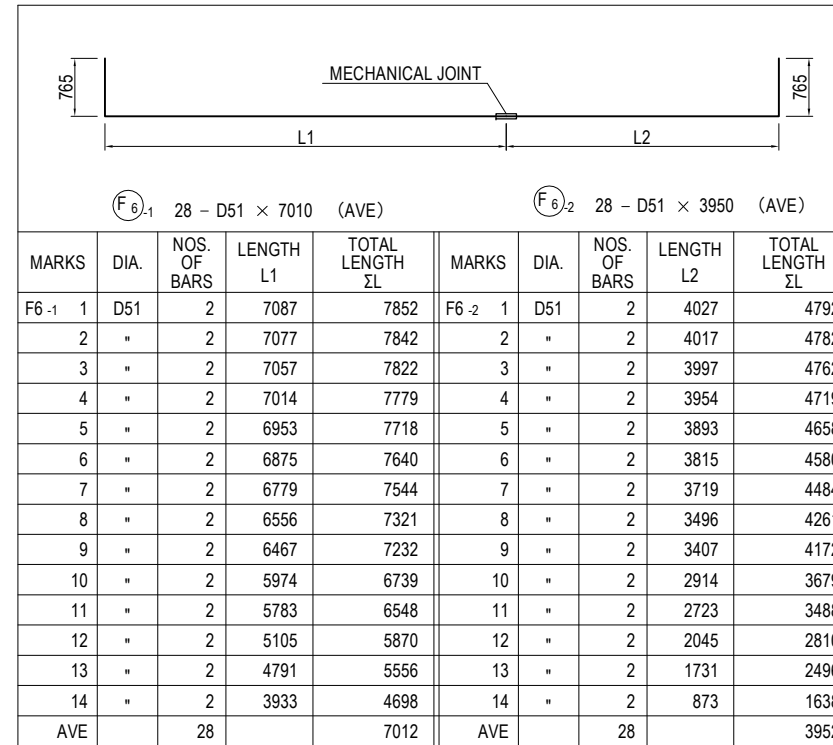
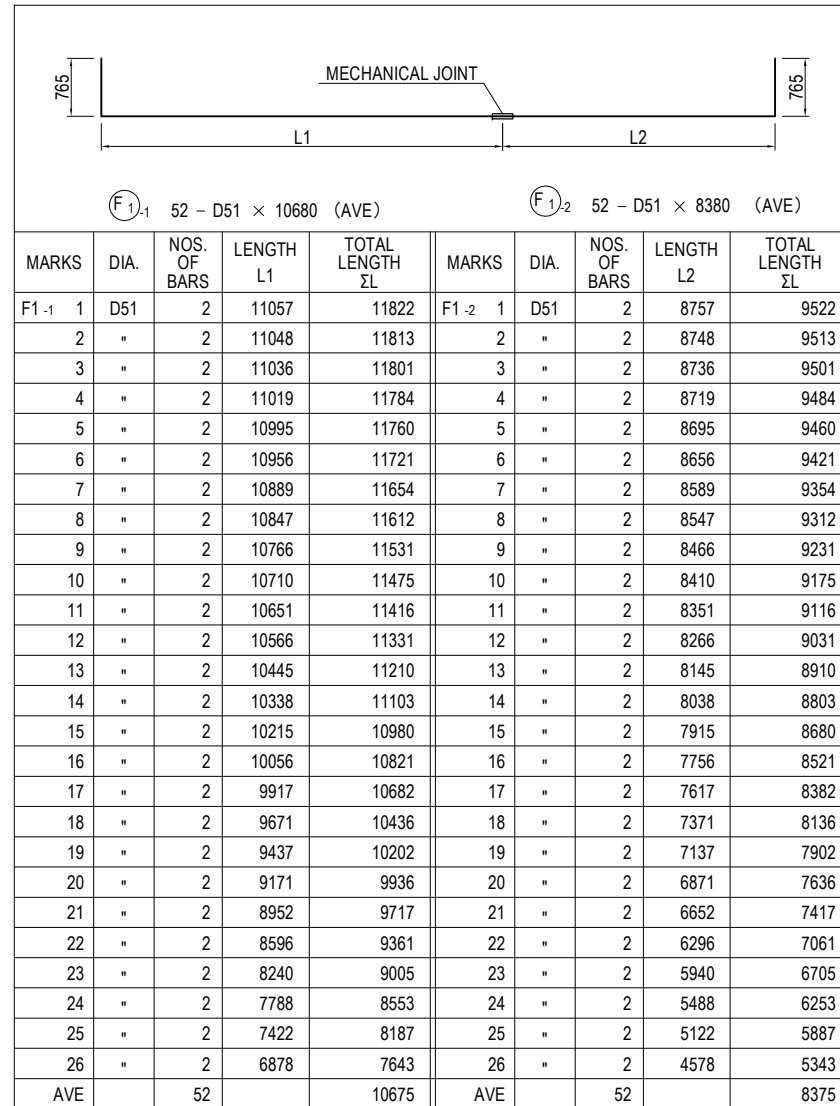
USE MATERIALS

	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM 	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 FOOTING (5)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2217

BAR ARRANGEMENT OF P12 FOOTING (6) S=1:100

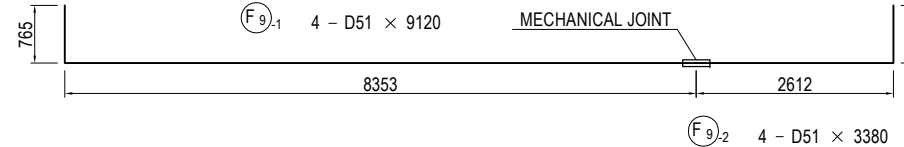
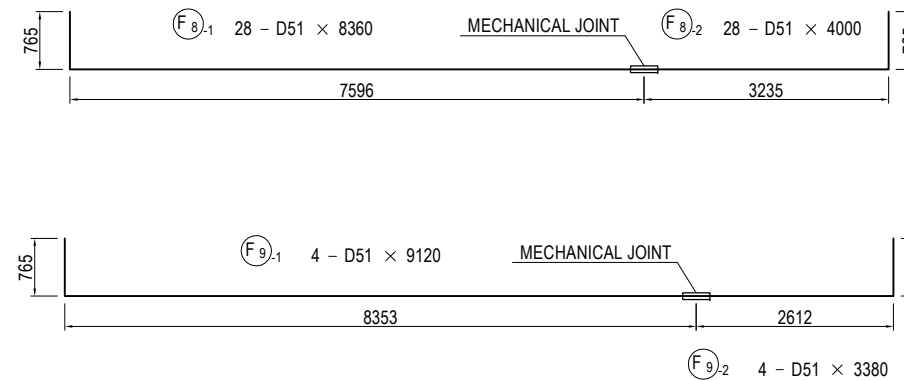
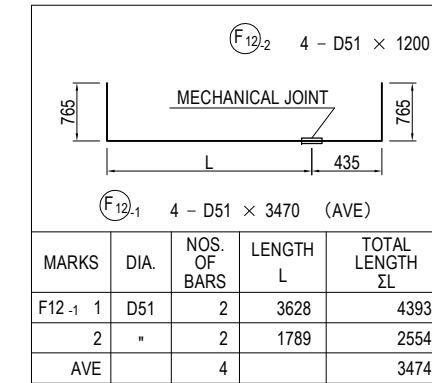
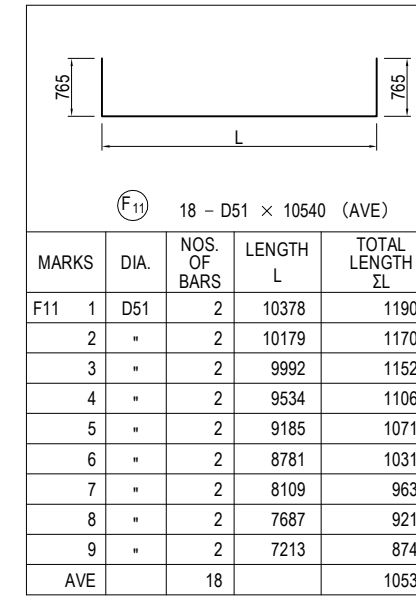
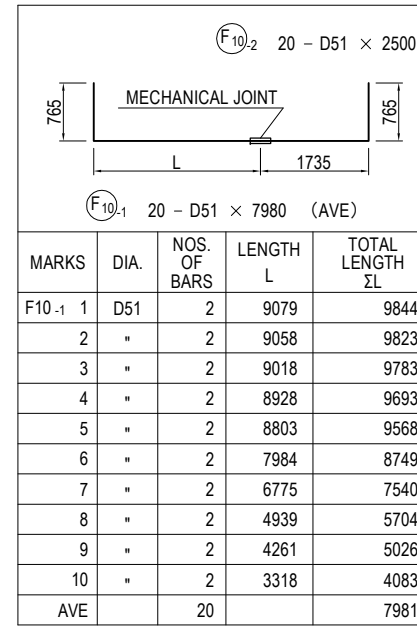
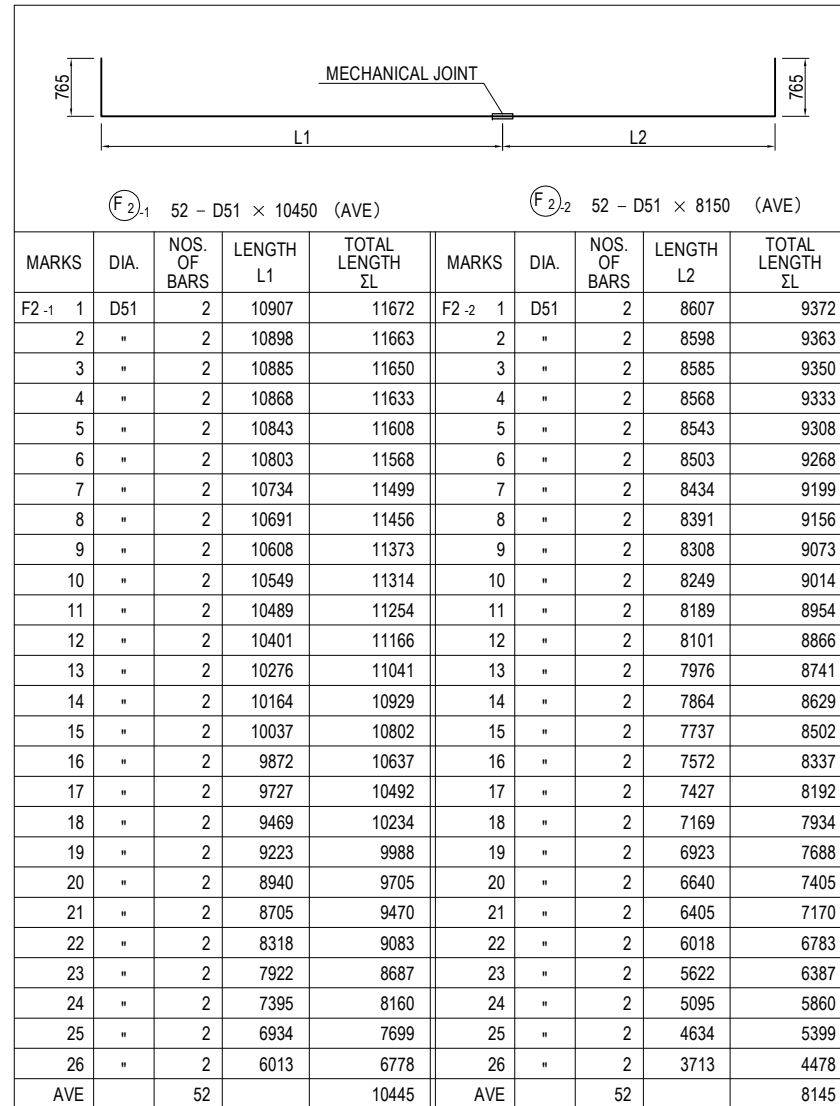


USE MATERIALS

FOOTING	CONCRETE σ _{ck} = 24 N/mm ²	BAR SD345
---------	--	--------------

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE BAR ARRANGEMENT OF P12 FOOTING (6)	PACKAGE 1 DWG No. P1-CS-2218
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P12 FOOTING (7) S=1:100

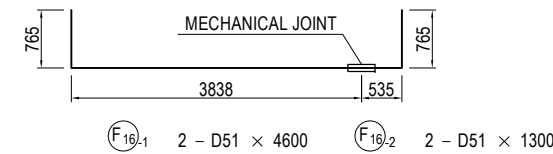
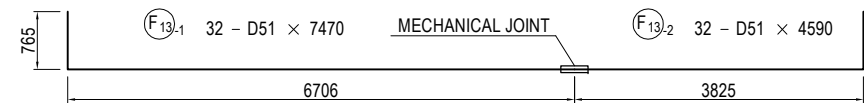
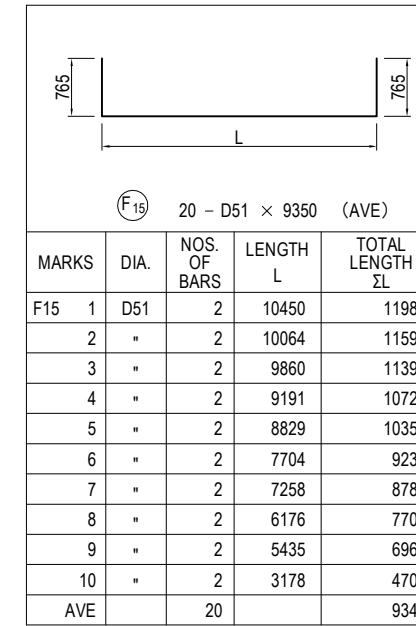
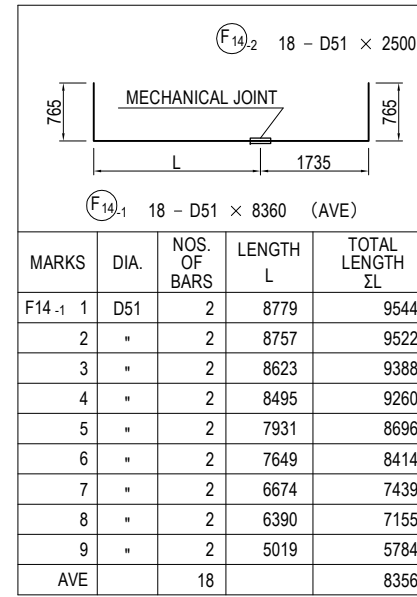
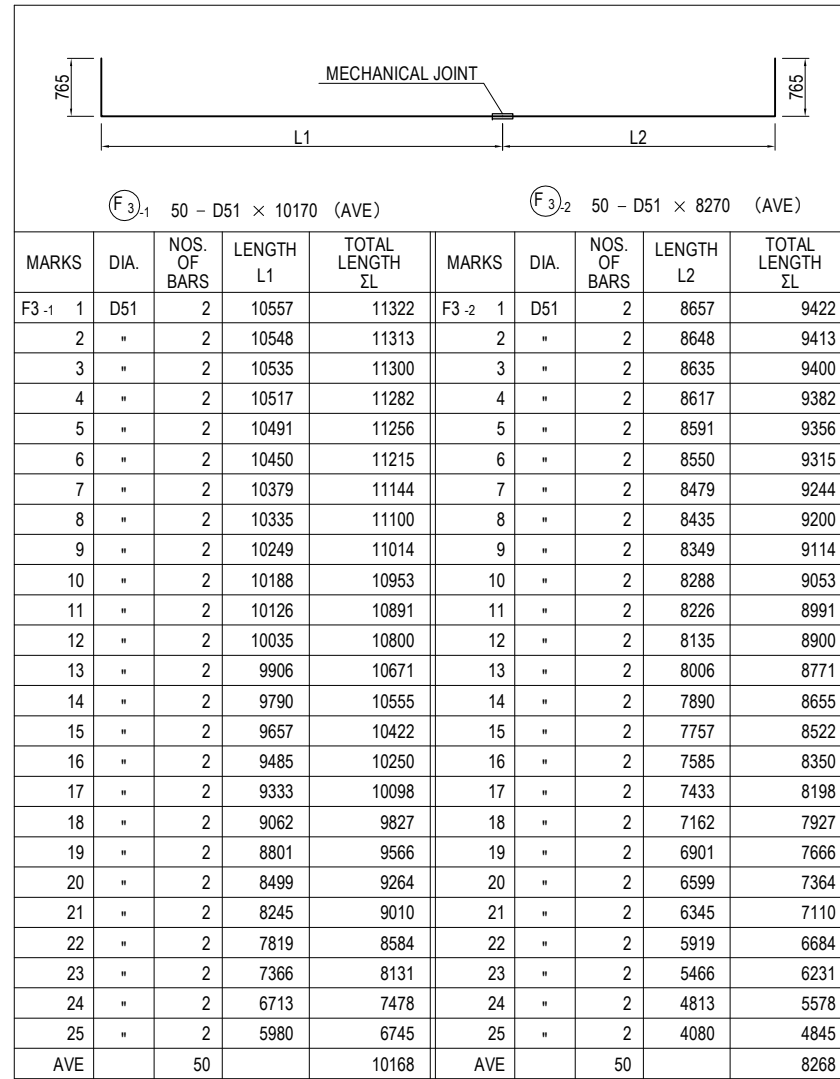


USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">DRAWING TITLE</th> <th>PACKAGE</th> </tr> <tr> <td colspan="2" style="text-align: center;">BAR ARRANGEMENT OF P12 FOOTING (7)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">P1-CS-2219</td> </tr> </table>	DRAWING TITLE		PACKAGE	BAR ARRANGEMENT OF P12 FOOTING (7)		1			DWG No.			P1-CS-2219
NAME	SIGNATURE	DATE																											
PREPARED BY	T. TOMODA																												
CHECKED BY	T. HAYAKAWA																												
APPROVED BY	Y. SANO																												
DRAWING TITLE		PACKAGE																											
BAR ARRANGEMENT OF P12 FOOTING (7)		1																											
		DWG No.																											
		P1-CS-2219																											

BAR ARRANGEMENT OF P12 FOOTING (8) S=1:100

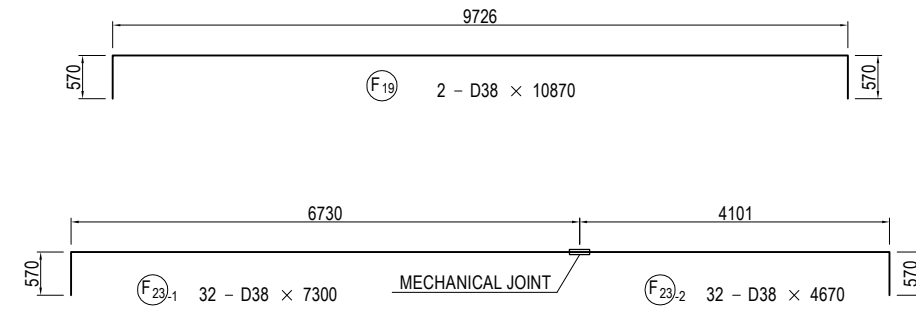
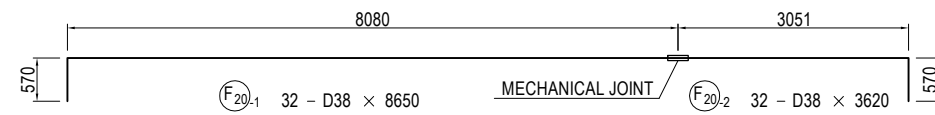
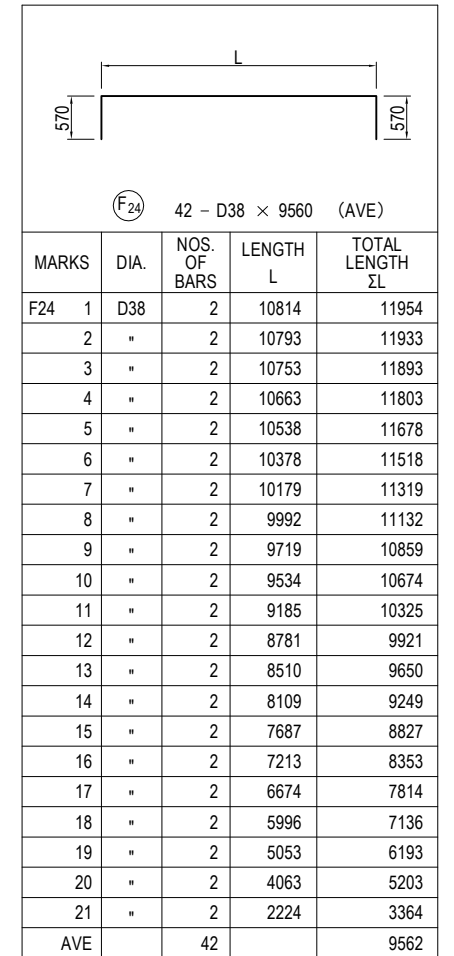
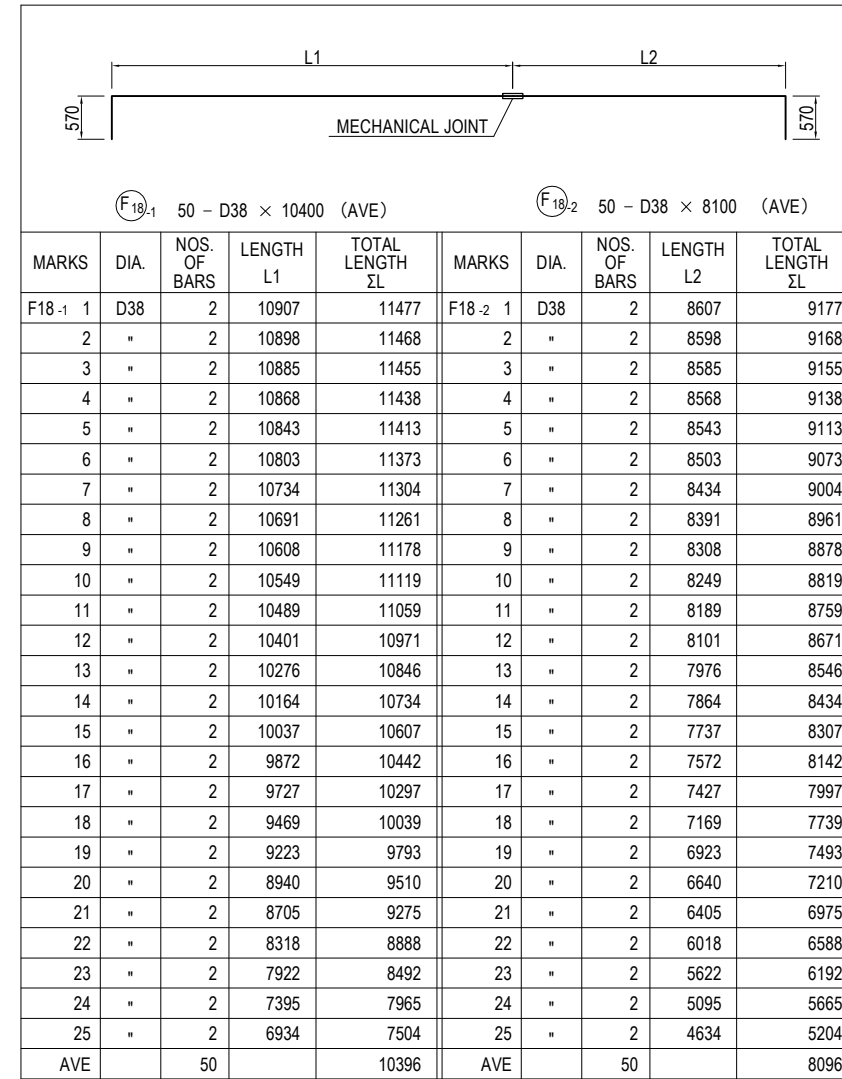
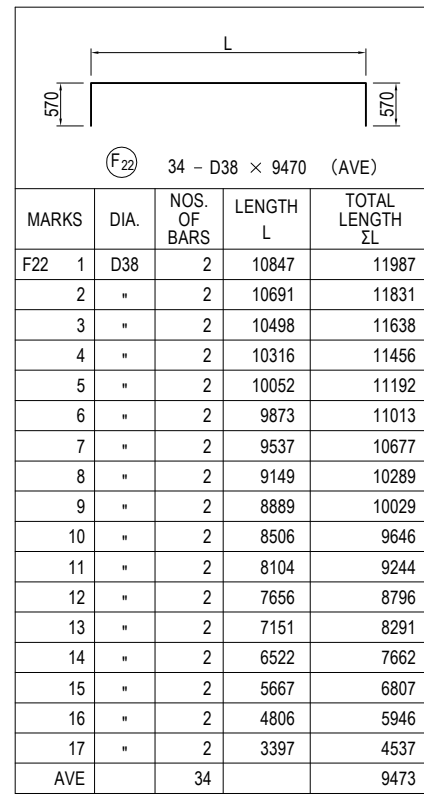
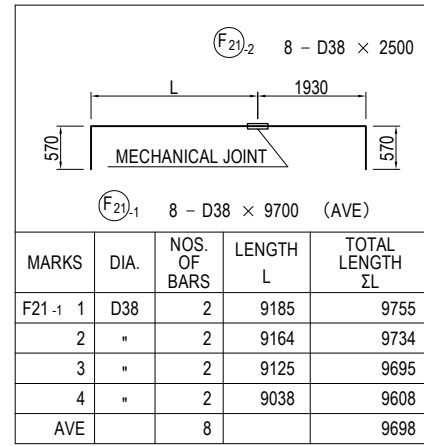


USE MATERIALS

FOOTING	CONCRETE σ _{ck} = 24 N/mm ²	BAR SD345
---------	--	--------------

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">NAME</th> <th style="width: 20%;">SIGNATURE</th> <th style="width: 20%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P12 FOOTING (8)</h3>	PACKAGE 1 DWG No. P1-CS-2220
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P12 FOOTING (9) S=1:100

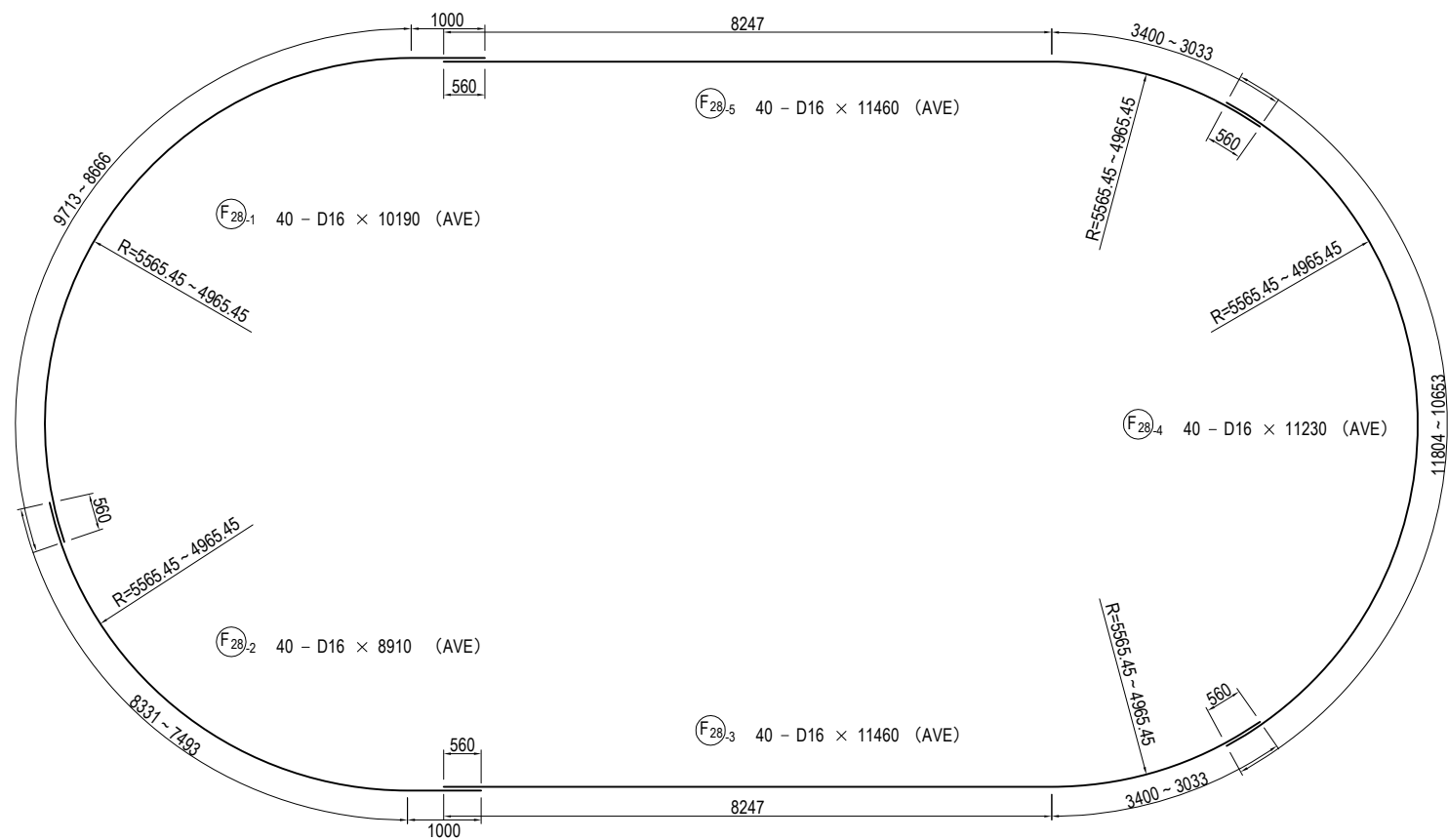
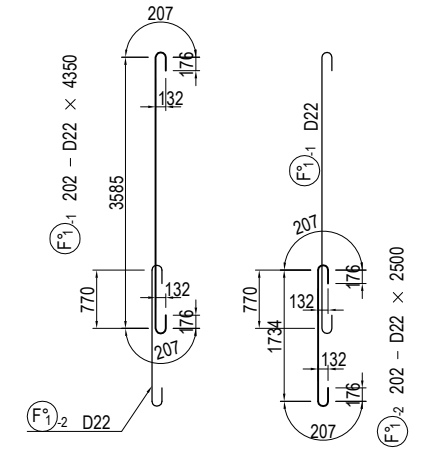
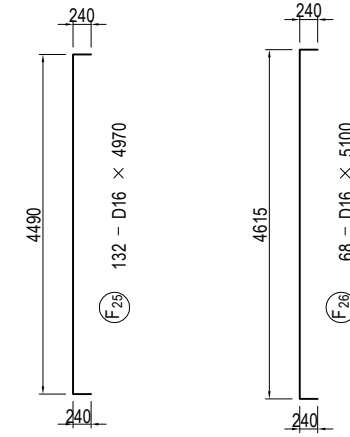
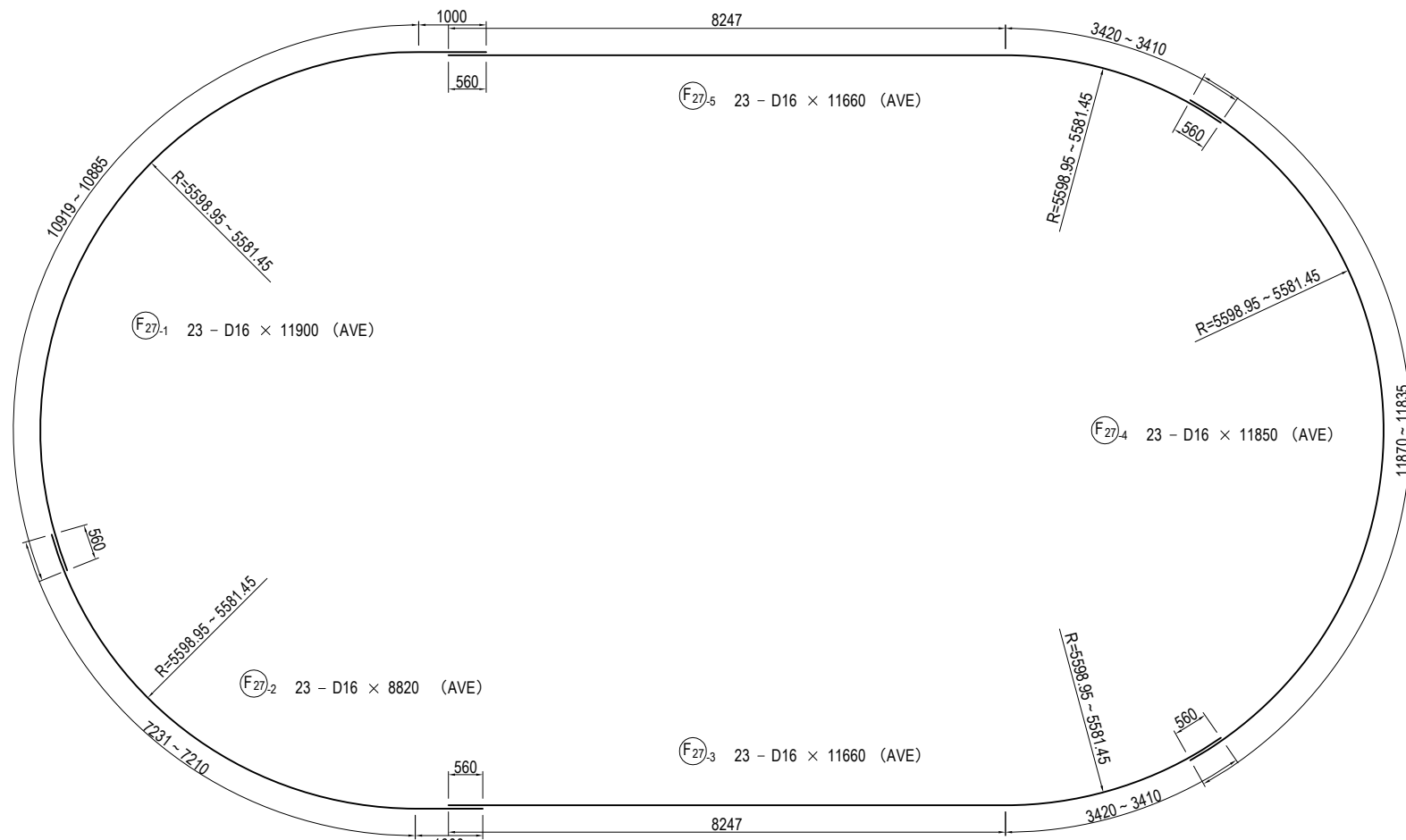


USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">DRAWING TITLE</th> <th>PACKAGE</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">BAR ARRANGEMENT OF P12 FOOTING (9)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">P1-CS-2221</td> </tr> </tbody> </table>	DRAWING TITLE		PACKAGE	BAR ARRANGEMENT OF P12 FOOTING (9)		1			DWG No.			P1-CS-2221
	NAME	SIGNATURE	DATE																														
PREPARED BY	T. TOMODA																																
CHECKED BY	T. HAYAKAWA																																
APPROVED BY	Y. SANO																																
DRAWING TITLE		PACKAGE																															
BAR ARRANGEMENT OF P12 FOOTING (9)		1																															
		DWG No.																															
		P1-CS-2221																															

BAR ARRANGEMENT OF P12 FOOTING (10) S=1:100



Note) The joint position of the reinforcing bar is rotated 180 degrees for each step arranged.

USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P12 FOOTING (10)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2222

BAR ARRANGEMENT OF P12 FOOTING (11) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 1-1	D51	10680	52	15.9	169.81	8830	┌ (52) (AVE)
1-2	"	8380	52	"	133.24	6928	┐ (AVE)
2-1	"	10450	52	"	166.16	8640	└ (52) (AVE)
2-2	"	8150	52	"	129.59	6739	┘ (AVE)
3-1	"	10170	50	"	161.70	8085	┌ (50) (AVE)
3-2	"	8270	50	"	131.49	6575	┐ (AVE)
4-1	"	7500	28	"	119.25	3339	└ (28)
4-2	"	5160	28	"	82.04	2297	┘
5-1	"	7830	4	"	124.50	498	┌ (4)
5-2	"	4970	4	"	79.02	316	┐
6-1	"	7010	28	"	111.46	3121	└ (28) (AVE)
6-2	"	3950	28	"	62.81	1759	┘ (AVE)
7	"	9220	14	"	146.60	2052	┌ (AVE)
8-1	"	8360	28	"	132.92	3722	┐ (28)
8-2	"	4000	28	"	63.60	1781	└
9-1	"	9120	4	"	145.01	580	┘ (4)
9-2	"	3380	4	"	53.74	215	┌
10-1	"	7980	20	"	126.88	2538	┐ (20) (AVE)
10-2	"	2500	20	"	39.75	795	└
11	"	10540	18	"	167.59	3017	┘ (AVE)
12-1	"	3470	4	"	55.17	221	┌ (4) (AVE)
12-2	"	1200	4	"	19.08	76	┐
13-1	"	7470	32	"	118.77	3801	└ (32)
13-2	"	4590	32	"	72.98	2335	┘
14-1	"	8360	18	"	132.92	2393	┌ (18) (AVE)
14-2	"	2500	18	"	39.75	716	┐
15	"	9350	20	"	148.67	2973	└ (AVE)
16-1	"	4600	2	"	73.14	146	┘ (2)
16-2	"	1300	2	"	20.67	41	┌
17-1	D38	10480	52	8.95	93.80	4878	┐ (52) (AVE)
17-2	"	8180	52	"	73.21	3807	└ (AVE)
18-1	"	10400	50	"	93.08	4654	┘ (50) (AVE)
18-2	"	8100	50	"	72.50	3625	┌ (AVE)
19	"	10870	2	"	97.29	195	┐
20-1	"	8650	32	"	77.42	2477	└ (32)
20-2	"	3620	32	"	32.40	1037	┘
21-1	"	9700	8	"	86.82	695	┌ (8) (AVE)
21-2	"	2500	8	"	22.38	179	┐
22	"	9470	34	"	84.76	2882	└ (AVE)
23-1	"	7300	32	"	65.34	2091	┘ (32)
23-2	"	4670	32	"	41.80	1338	┌
24	"	9560	42	"	85.56	3594	┐ (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 25	D16	4970	132	1.56	7.75	1023	┌
26	"	5100	68	"	7.96	541	┐
27-1	"	11900	23	"	18.56	427	└ (AVE)
27-2	"	8820	23	"	13.76	316	┘ (AVE)
27-3	"	11660	23	"	18.19	418	┌ (AVE)
27-4	"	11850	23	"	18.49	425	┐ (AVE)
27-5	"	11660	23	"	18.19	418	└ (AVE)
28-1	"	10190	40	"	15.90	636	┘ (AVE)
28-2	"	8910	40	"	13.90	556	┌ (AVE)
28-3	"	11460	40	"	17.88	715	┐ (AVE)
28-4	"	11230	40	"	17.52	701	└ (AVE)
28-5	"	11460	40	"	17.88	715	┘ (AVE)
SUBTOTAL						122872 kg	
F° 1-1	D22	4350	202	3.04	13.22	2670	┌
1-2	"	2500	202	"	7.60	1535	┐
SUBTOTAL						4205 kg	
(MECHANICAL JOINT)							
				D51	84529 kg	(322)	
				D38	31452 "	(174)	
				D22	4205 "		
				D16	6891 "		
TOTAL					127077 kg	(496)	

USE MATERIALS

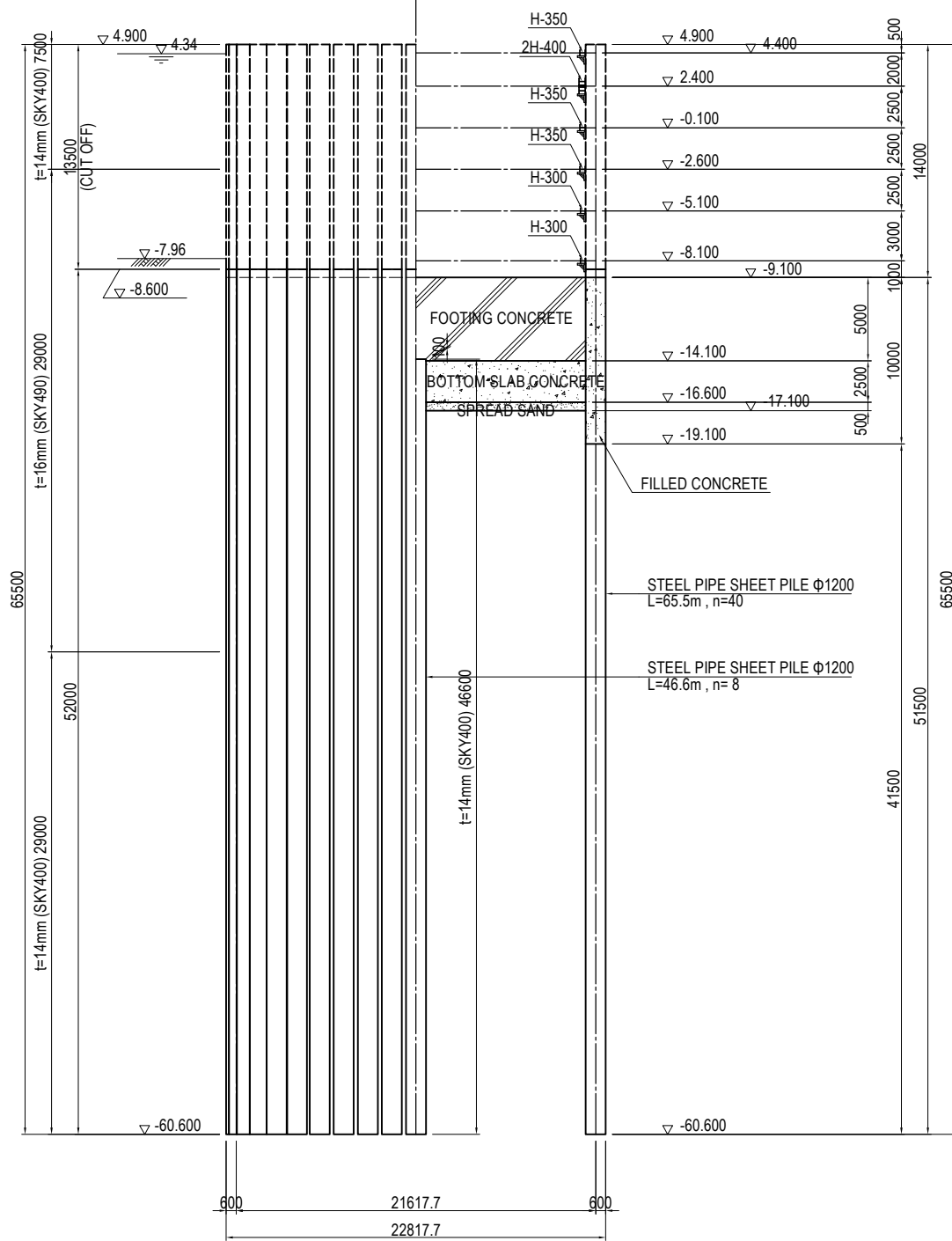
	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE		
				PREPARED BY	T. TOMODA				BAR ARRANGEMENT OF P12 FOOTING (11)	1
				CHECKED BY	T. HAYAKAWA					DWG No.
				APPROVED BY	Y. SANO					P1-CS-2223

GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P12 PIER S=1:400

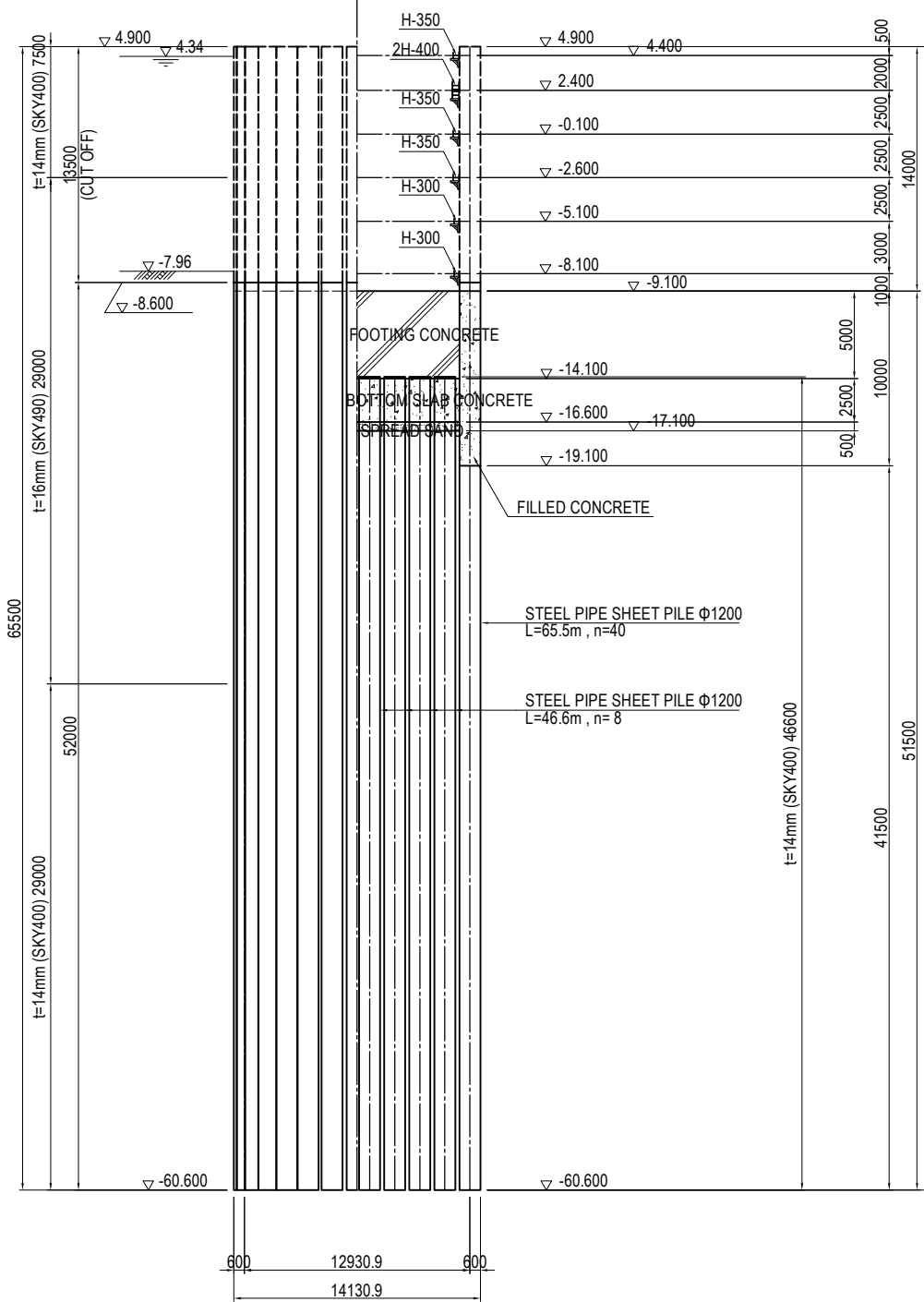
FRONT ELEVATION S=1/400

1-1 2-2

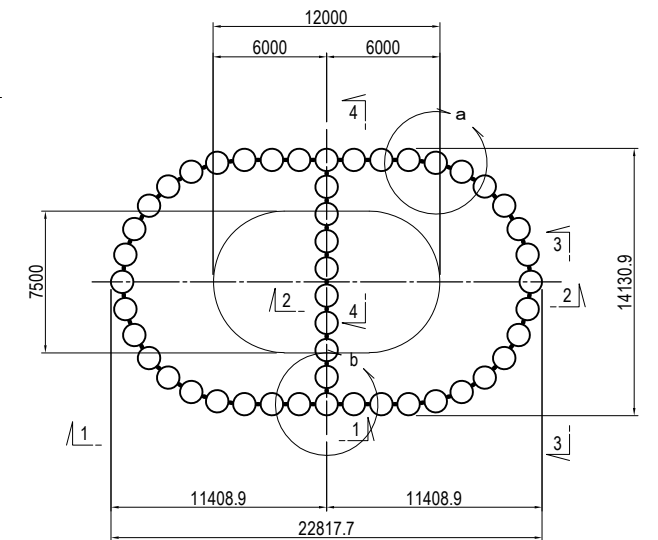


SIDE ELEVATION S=1/400

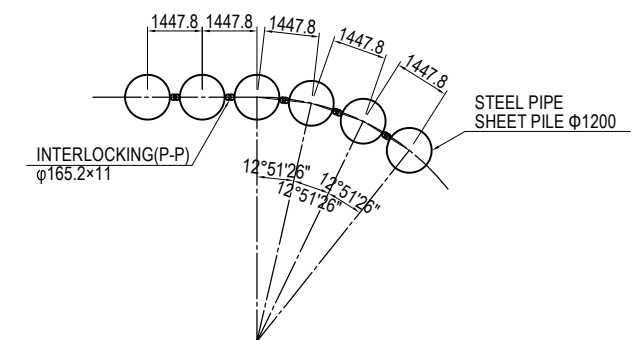
3-3 4-4



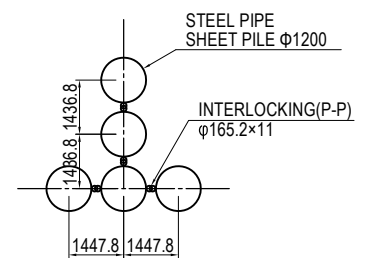
PLAN



DETAIL a S=1:200



DETAIL b S=1:200



USE MATERIALS

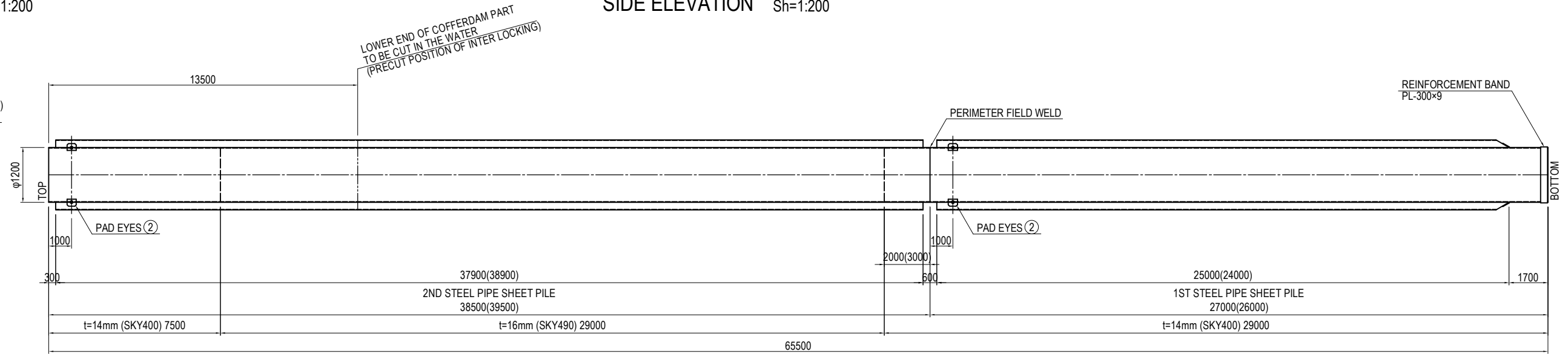
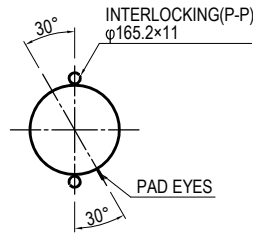
	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

DETAIL OF STEEL PIPE SHEET PILE OF P12 PIER (1)

CROSS SECTION S=1:200

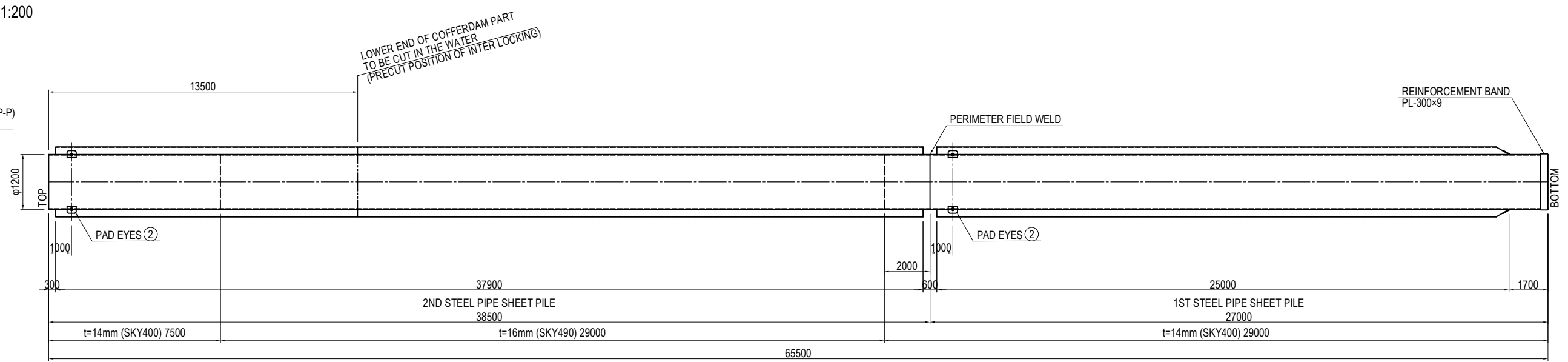
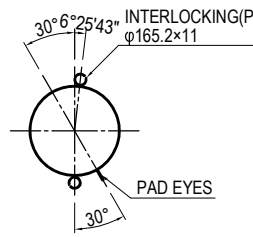
SIDE ELEVATION Sv=1:100
Sh=1:200

TYPE A
(TYPE B)

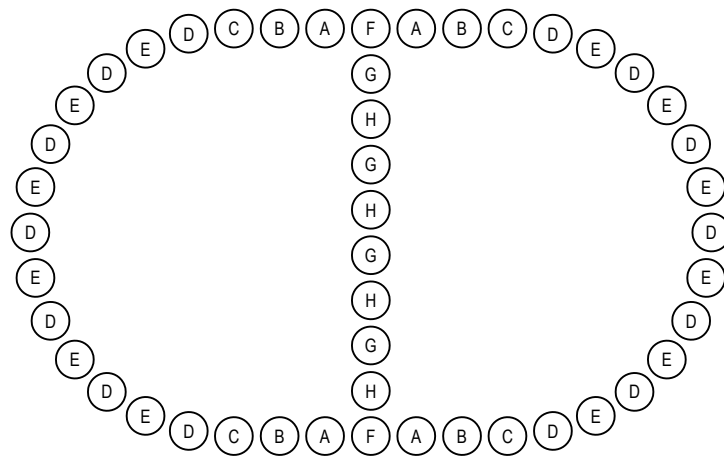


CROSS SECTION S=1:200

TYPE C



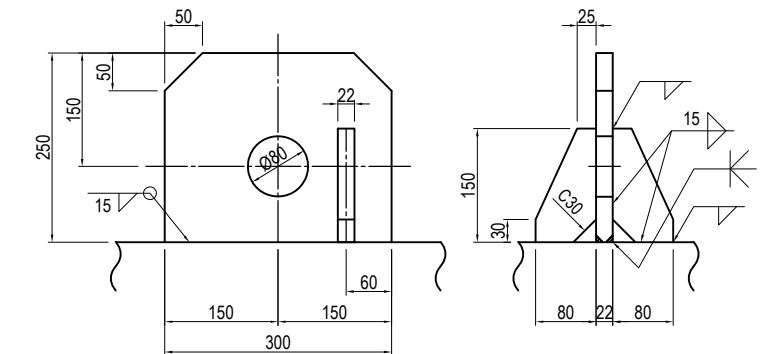
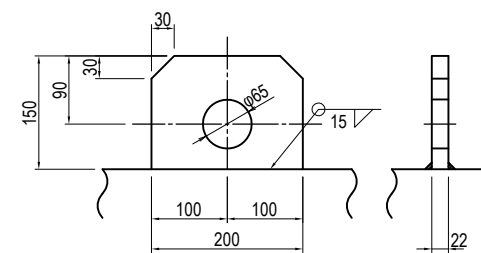
STEEL PIPE SHEET PILE TYPE AND POSITION



DETAIL OF EYES S=1:10

PAD EYES ① PL-200x150x22 (SM490A)

PAD EYES ② PL-300x250x22 (SM490A)



Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

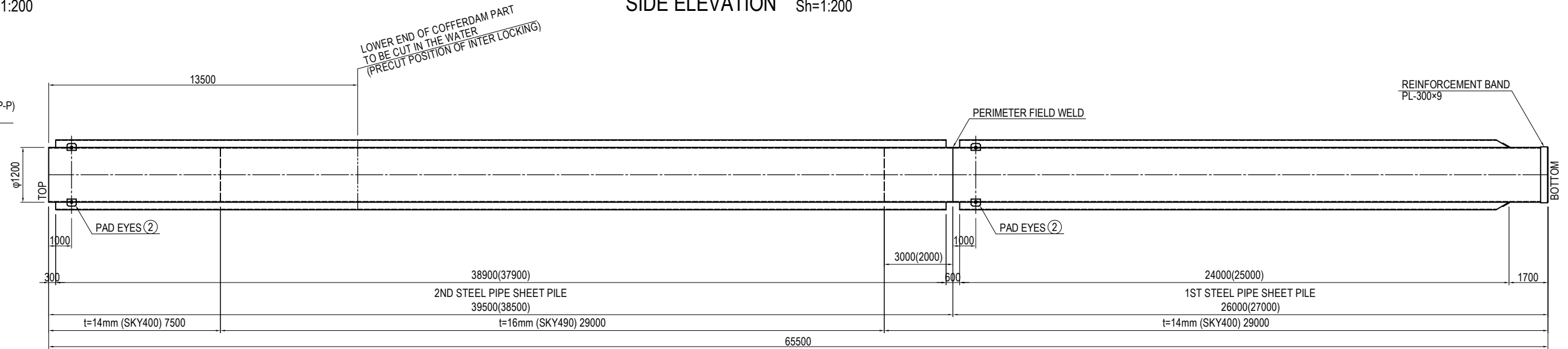
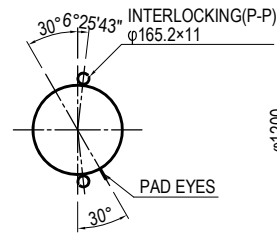
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P12 PIER (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2225

DETAIL OF STEEL PIPE SHEET PILE OF P12 PIER (2)

CROSS SECTION S=1:200

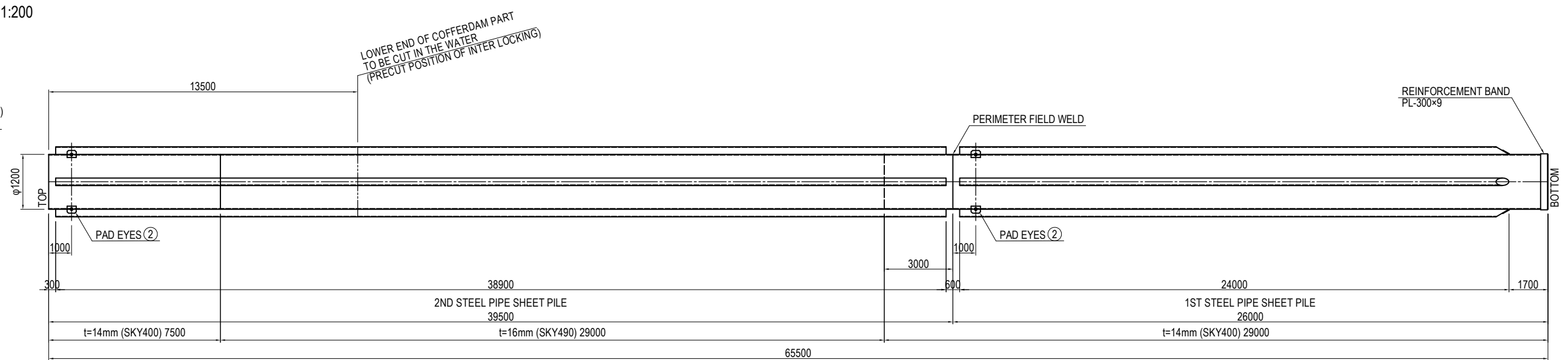
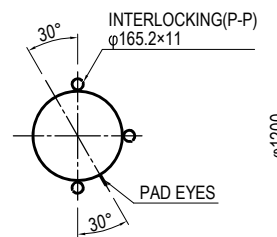
SIDE ELEVATION Sv=1:100 Sh=1:200

**TYPE D
(TYPE E)**



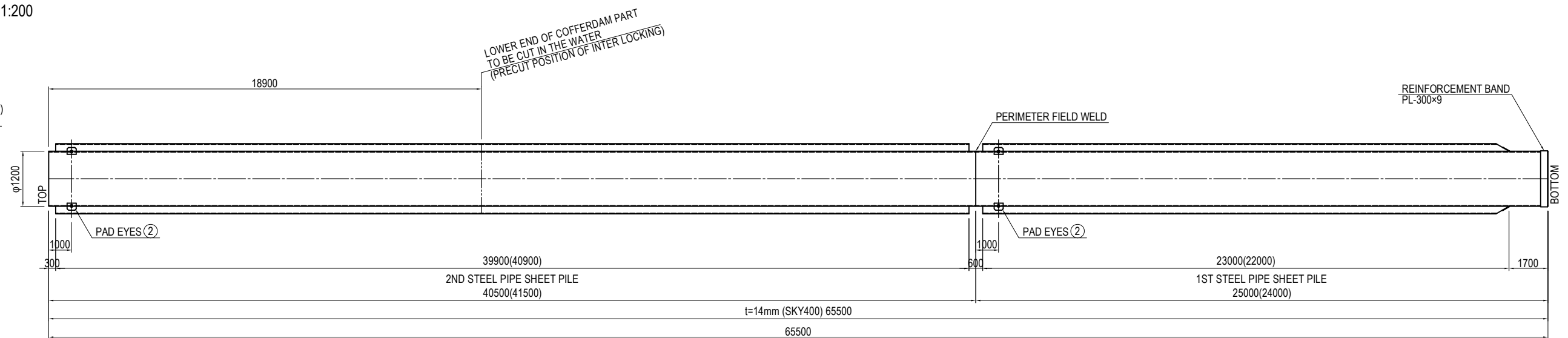
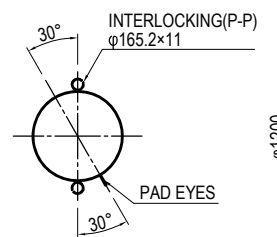
CROSS SECTION S=1:200

TYPE F



CROSS SECTION S=1:200

**TYPE G
(TYPE H)**

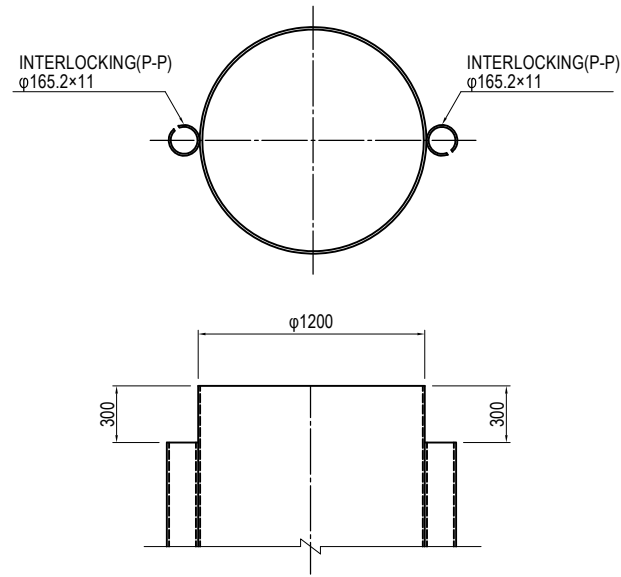


Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

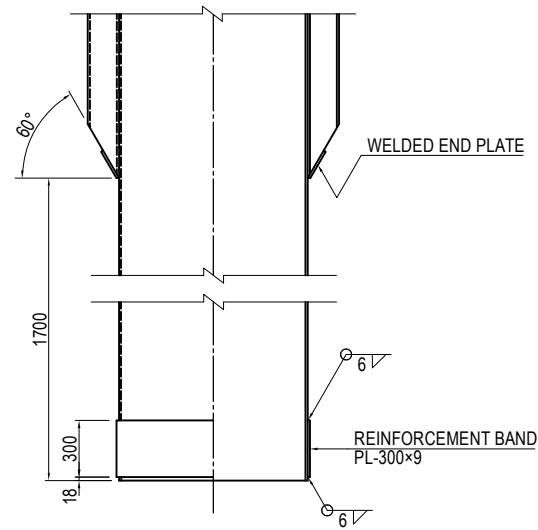
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P12 PIER (2)	PACKAGE 1 DWG No. P1-CS-2226
				PREPARED BY				
				CHECKED BY				
				APPROVED BY				

DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P12 PIER

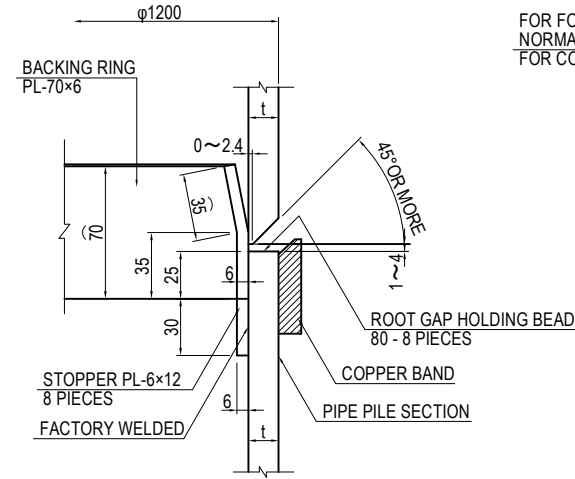
DETAIL OF STEEL PIPE SHEET PILE TOP S=1:40



DETAIL OF STEEL PIPE SHEET PILE TOE S=1:40

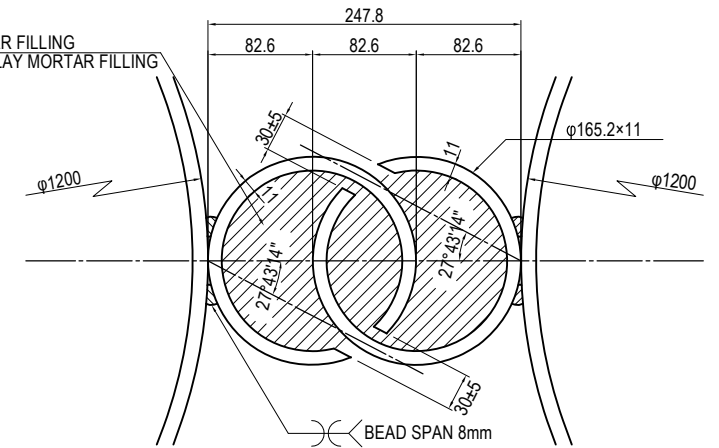


DETAIL OF PERIMETER FIELD WELDING OF STEEL PIPE SHEET PILE S=1:4



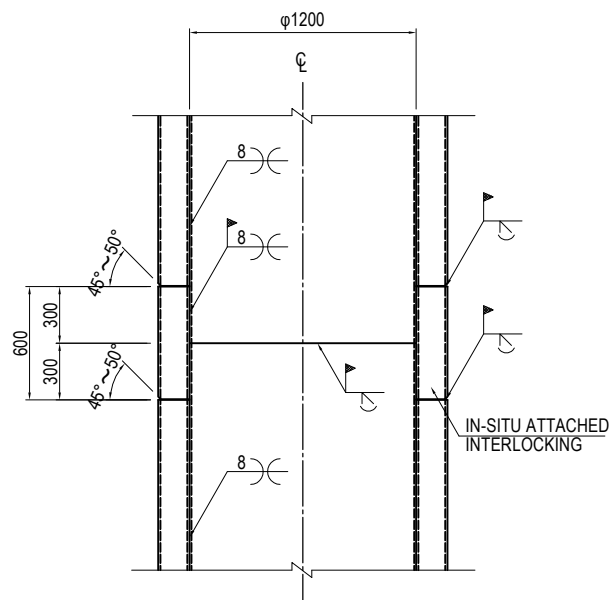
FOR FOUNDATION PART :
NORMAL STRENGTH MORTAR FILLING
FOR COFFERDAM PART : CLAY MORTAR FILLING

DETAIL OF CONNECTED INTERLOCKING(P-P) S=1:6

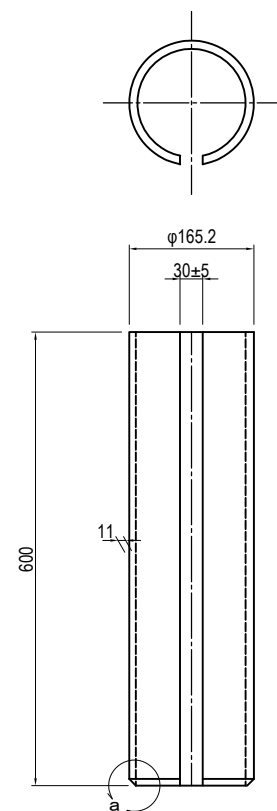


TREATMENT OF STEEL PIPE SHEET PILE INTERLOCKING

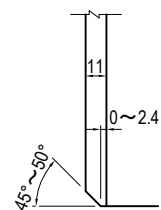
DETAIL OF IN-SITU LONGITUDINAL WELDING PART S=1:40



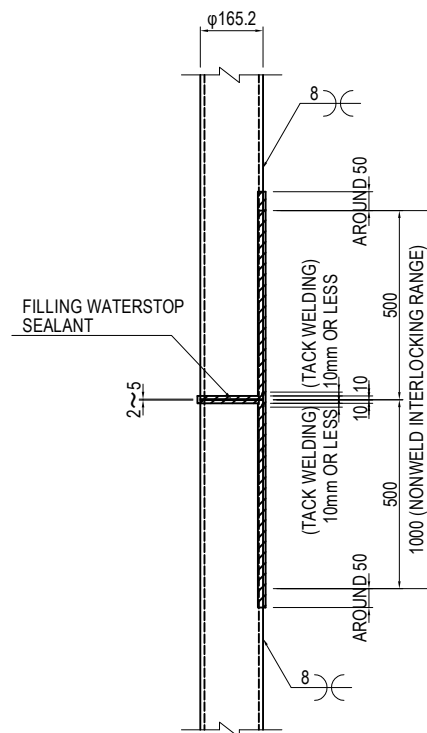
DETAIL OF IN-SITU ATTACHED INTERLOCKING S=1:10



DETAIL a

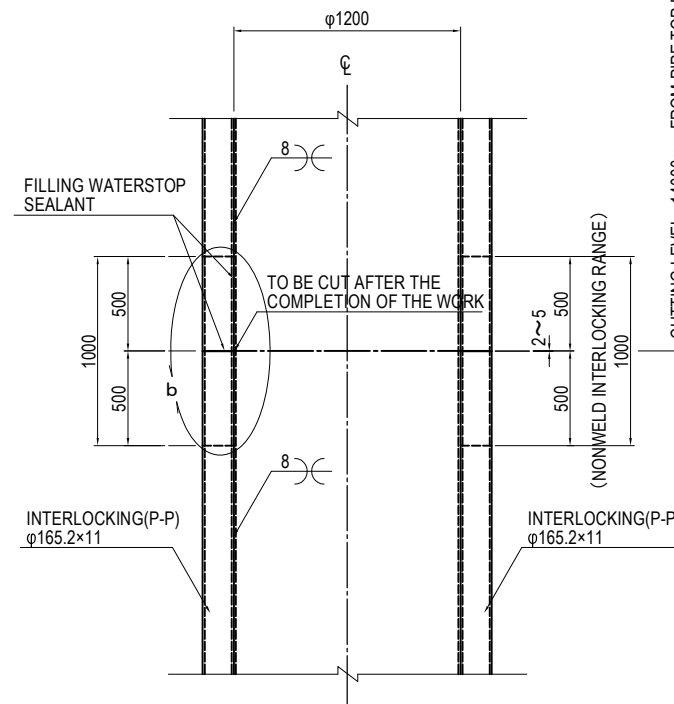


DETAIL b

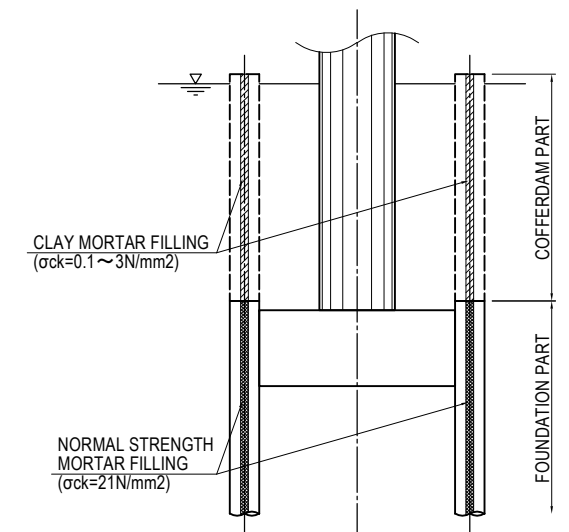


CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

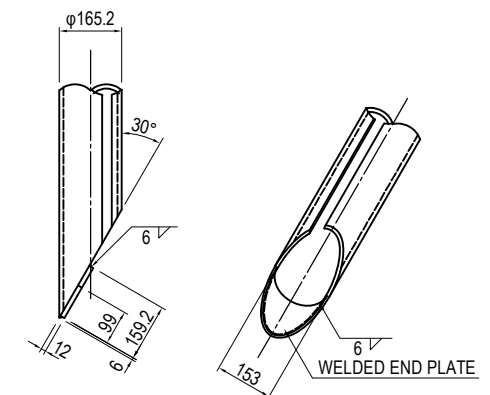
DETAIL OF PRECUT INTERLOCKING S=1:40



CUTTING LEVEL : 14000mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.



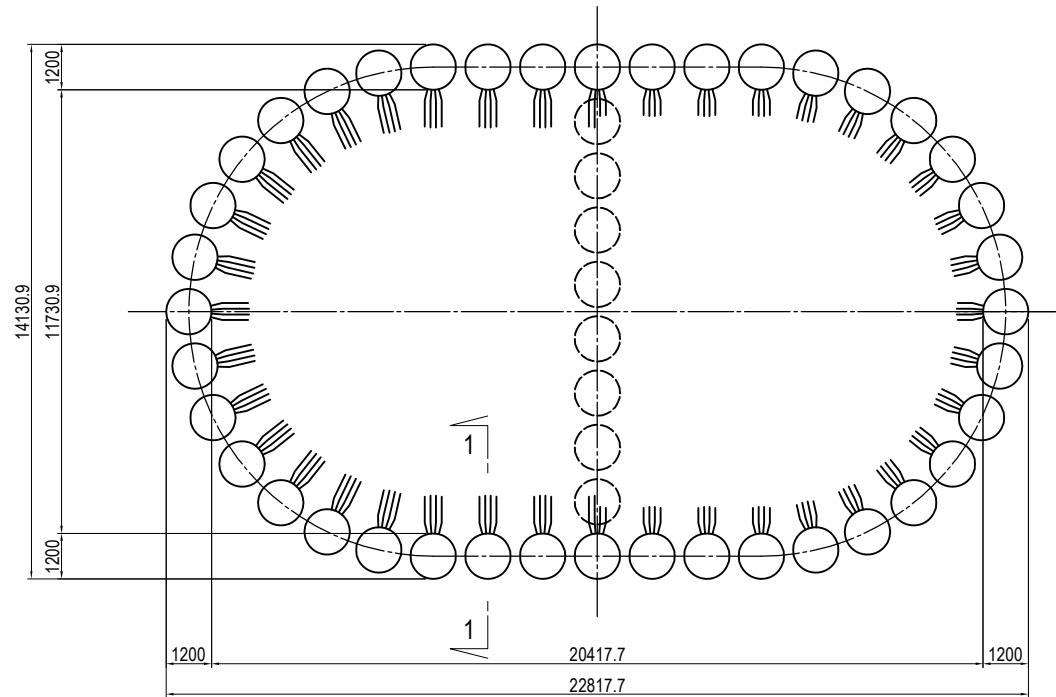
DETAIL OF INTERLOCKING TOE S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P12 PIER	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2227

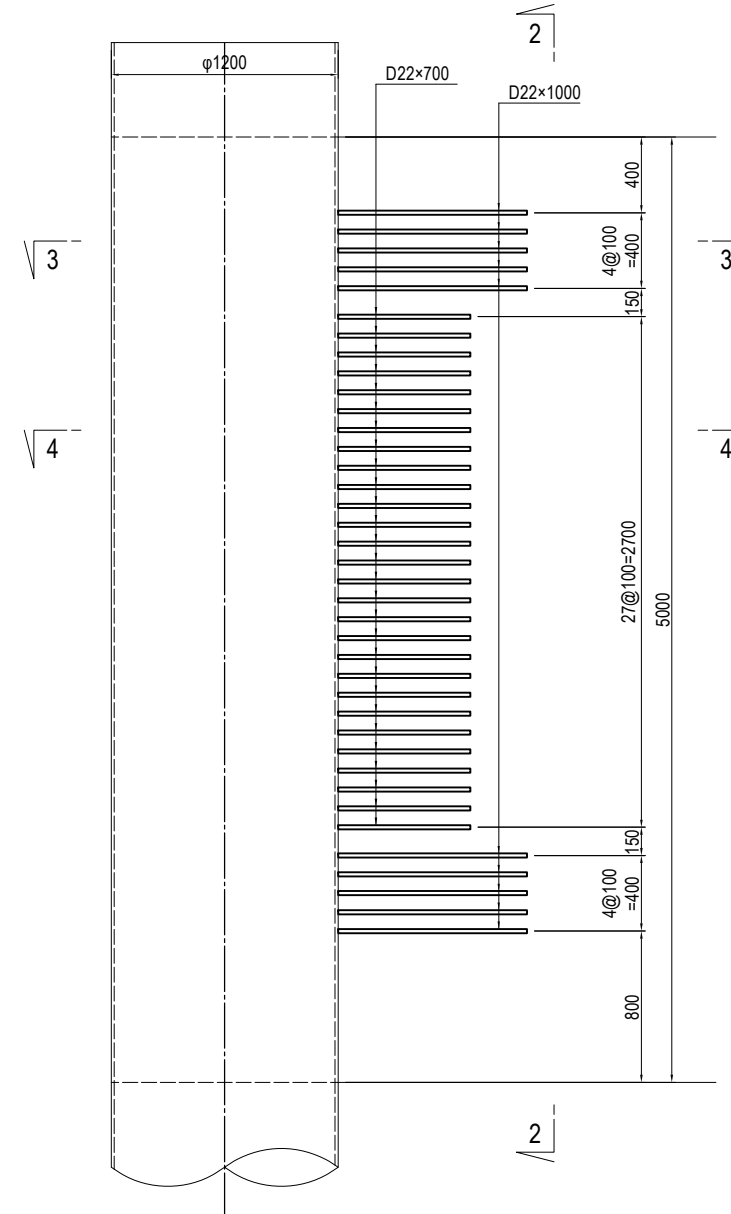
DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING OF P12 PIER

PLAN S=1:200

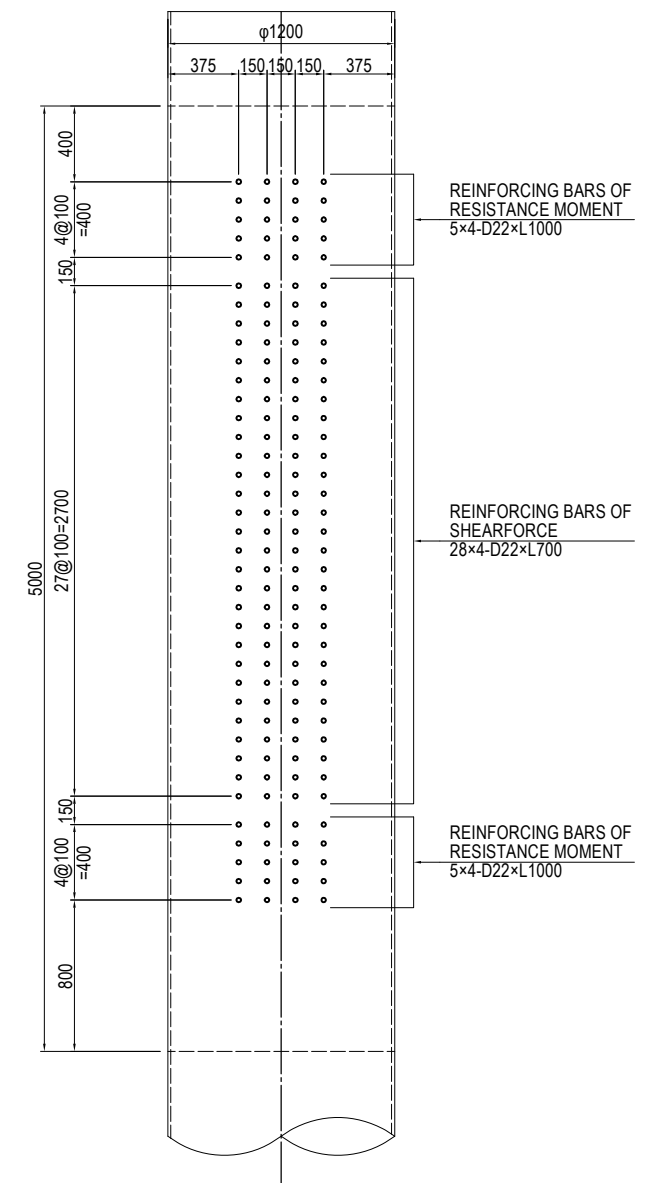


DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:40

1 - 1 CROSS SECTION



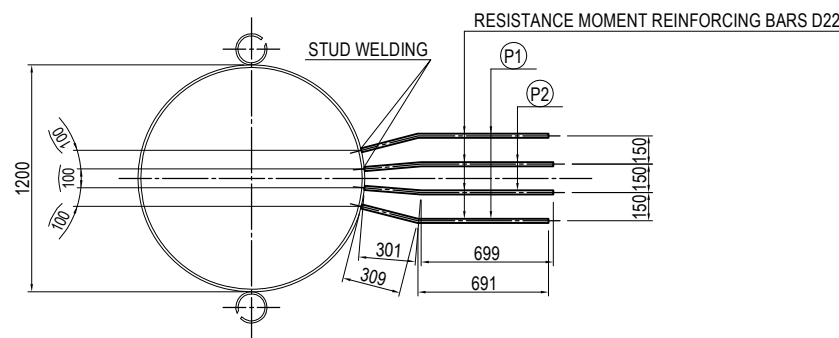
2 - 2 CROSS SECTION



CROSS SECTION OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND REINFORCING BARS S=1:40

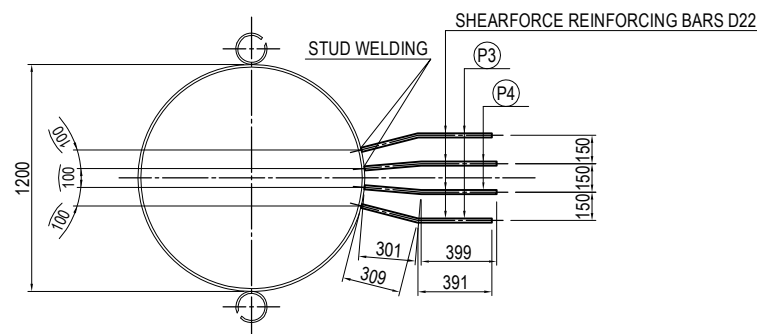
3 - 3 CROSS SECTION

(RESISTANCE MOMENT REINFORCING BARS CONNECTION PART)



4 - 4 CROSS SECTION

(SHEARFORCE REINFORCING BARS CONNECTION PART)



FABRICATION OF REINFORCING BARS S=1:40

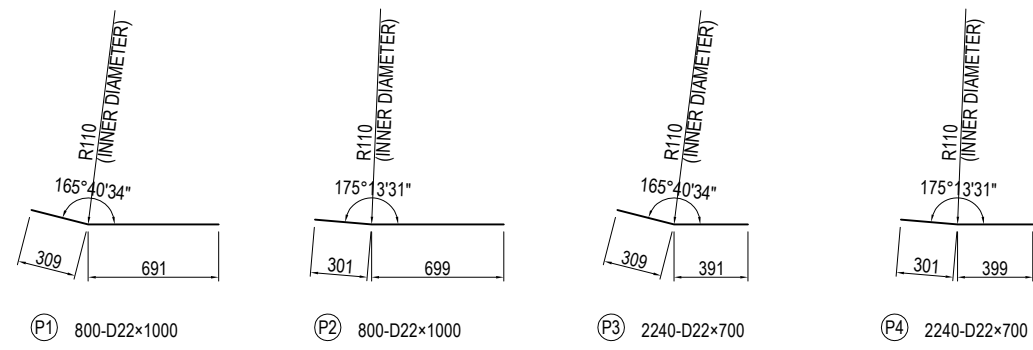
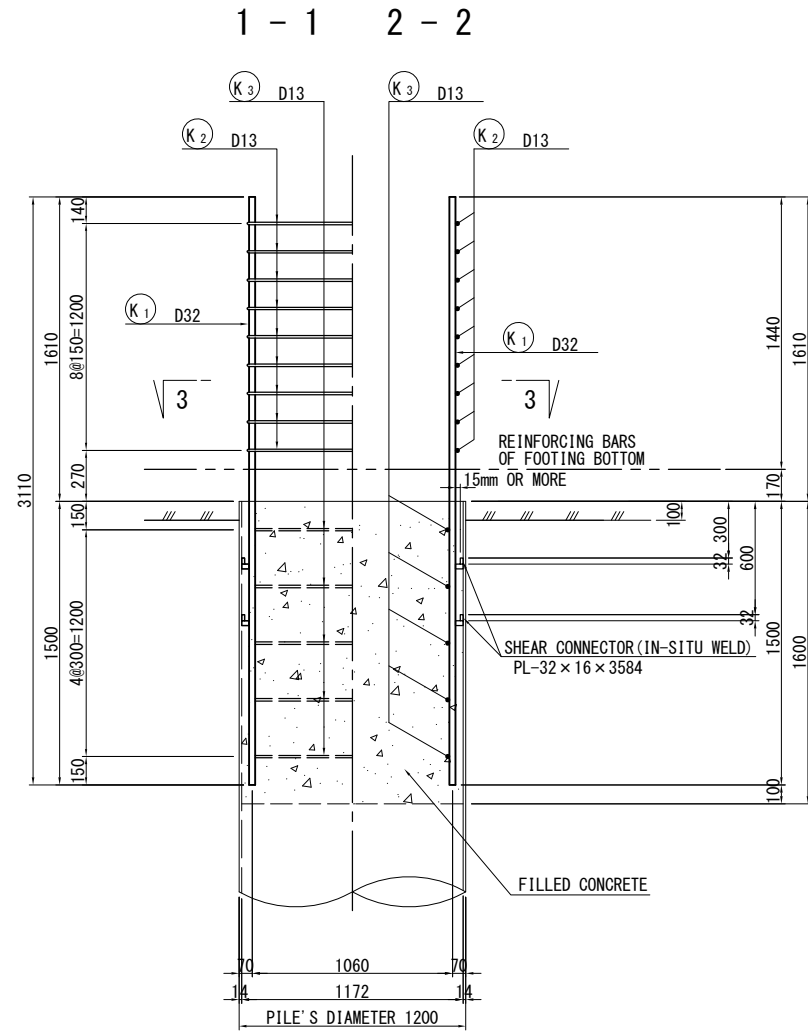


TABLE OF REINFORCING BARS

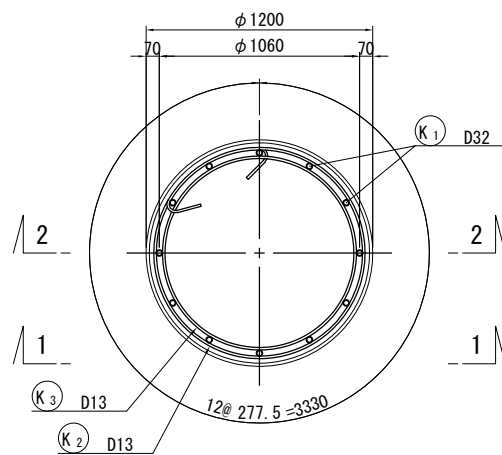
MARK	TYPE	LENGTH (mm)	PIECES (piece)	UNIT WEIGHT (kg/m)	UNIT WEIGHT (kg/piece)	WEIGHT (kg)	GRADE	MEMO
P1	D22	1000	800	3.04	3.04	2432.0	SD345 for STUD WELDING	
P2	D22	1000	800	3.04	3.04	2432.0	SD345 for STUD WELDING	
P3	D22	700	2240	3.04	2.13	4771.2	SD345 for STUD WELDING	
P4	D22	700	2240	3.04	2.13	4771.2	SD345 for STUD WELDING	
					D22	14406.4 kg		
					TOTAL WEIGHT	14406.4 kg		

DETAIL OF PILE TOP CONNECTION TO THE BASE CONCRETE OF P12 PIER S=1:40

DETAIL OF PILE TOP

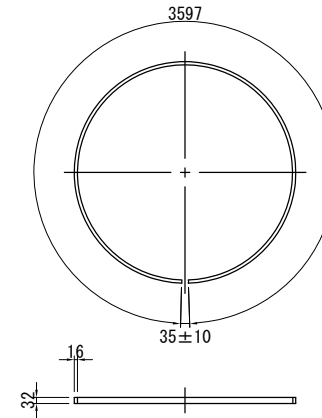


3 - 3

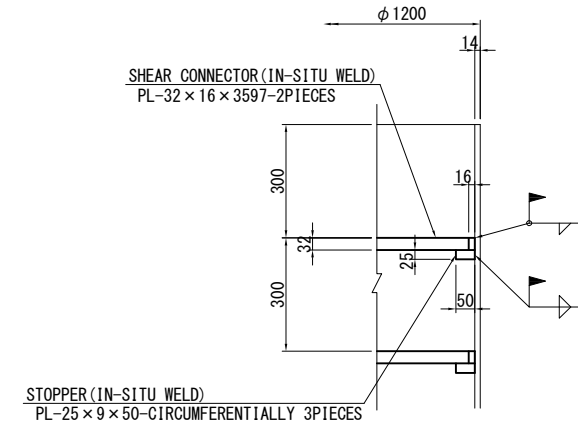


DETAIL OF ATTACHMENT OF SHEAR CONNECTOR

CENTER OF LENGTH

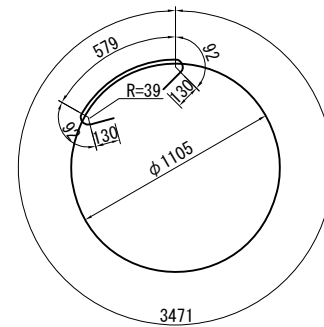


SETTING IN THE FIELD S=1:20

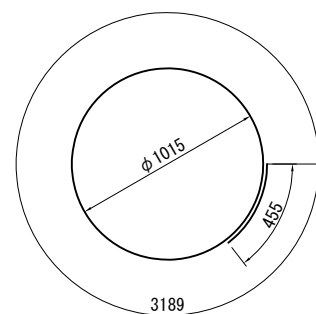


MATERIAL LIST

MARKS	SECTION SIZE	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	MATERIAL	REMARKS
PILE TOP ACCOMPANYING ITEMS								
PL	PL-32*16	3597	2	4.019	14.456	28.9	SS400	SHEAR CONNECTOR
PL	PL-25*9	50	6	1.766	0.088	0.5	SS400	STOPPER
REINFORCEMENT								
K1	D32	3110	12	6.23	19.38	233	SD345	
K2	D13	4490	9	0.995	4.47	40	SD345	○
K3	D13	3640	5	0.995	3.62	18	SD345	○
Total						291		
FILLED CONCRETE (σ _{ck} = 24 N/mm ²)								
$V = 1/4 \times \pi \times 1.172^2 \times 1.600 = 1.726 \text{ m}^3$								



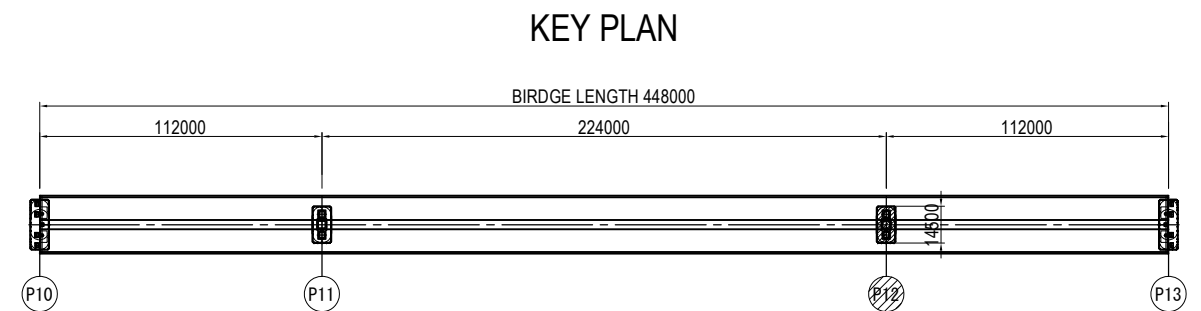
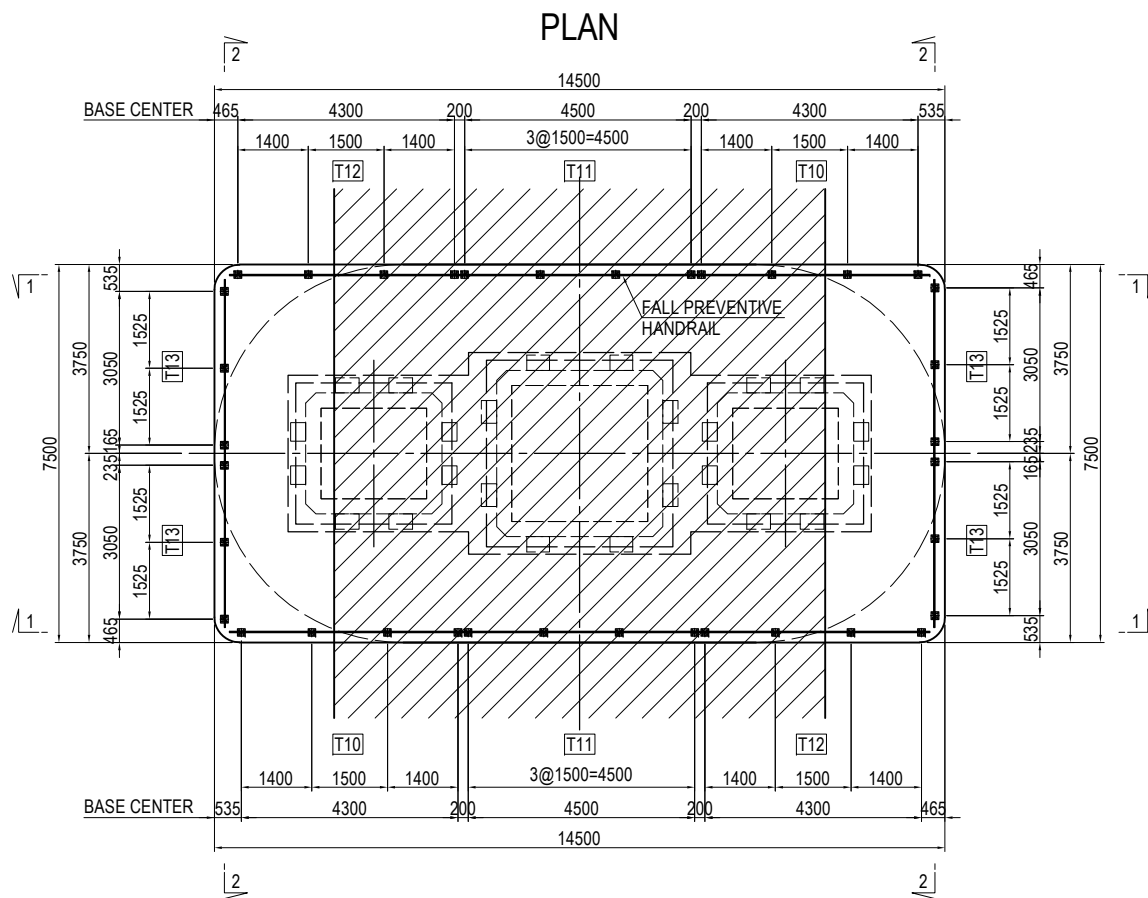
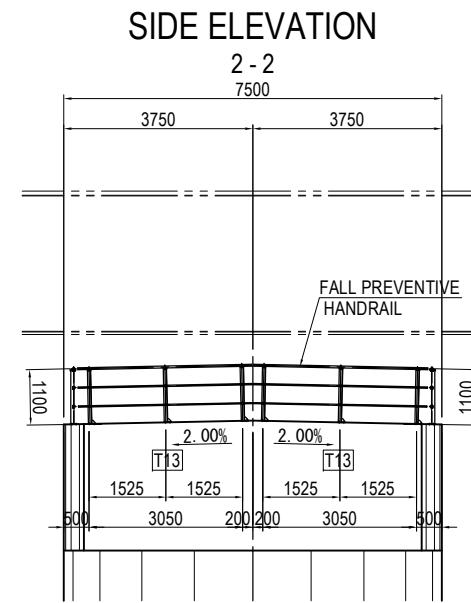
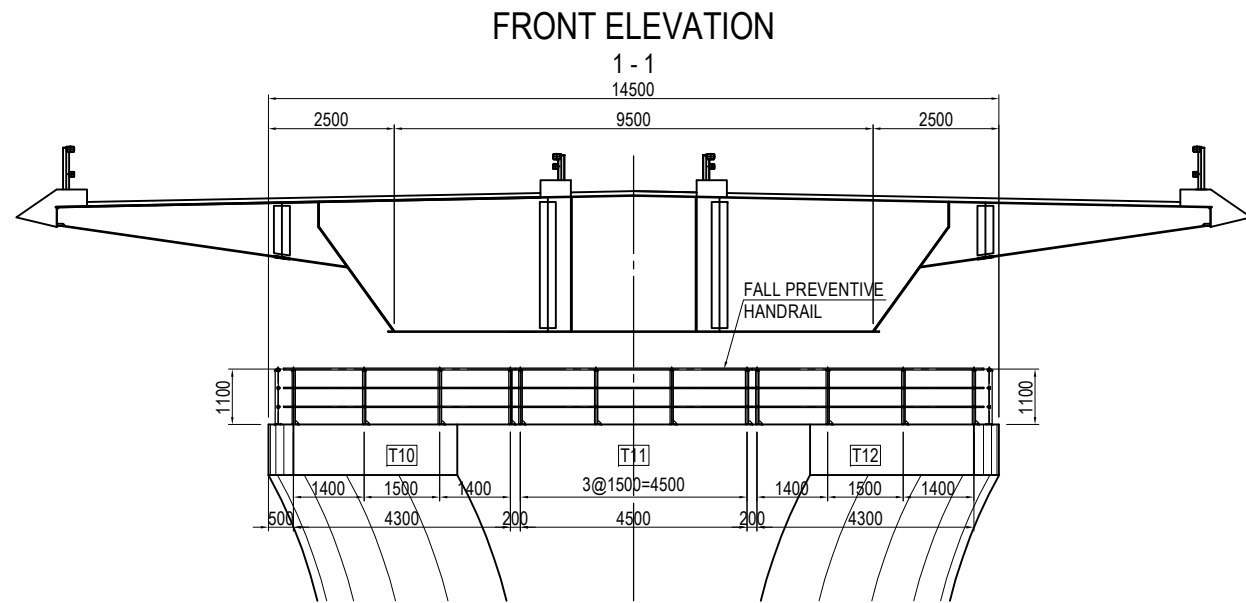
K₂ 9 - D13 × 4490



K₃ 5 - D13 × 3640

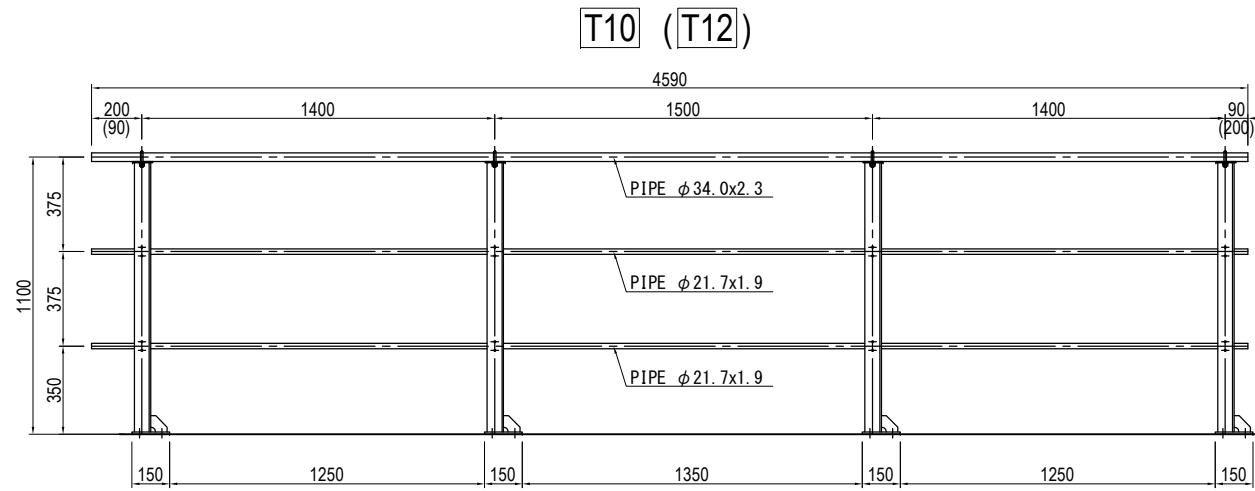
ITEM	DIVISION	UNIT CONTENT	WEIGHT/EA.	QUANTITY
NUMBER OF PILE		Number		8
PILE TOP	SS400	TOTAL	kg	29.4
REINFORCEMENT	SD345	D32	kg	233
		D13	kg	58
		TOTAL	kg	291
FILLED CONCRETE	σ _{ck} = 24 N/mm ²	m ³	1.726	13.8

FALL PREVENTIVE HANDRAIL OF P12 PIER (1) S=1:150

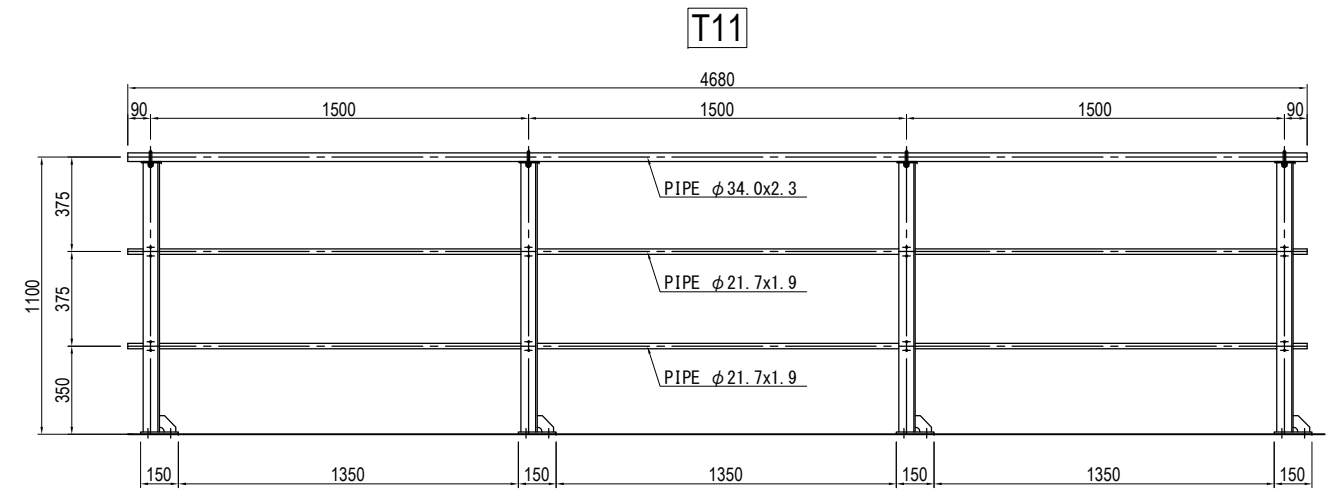


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P12 PIER (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2230

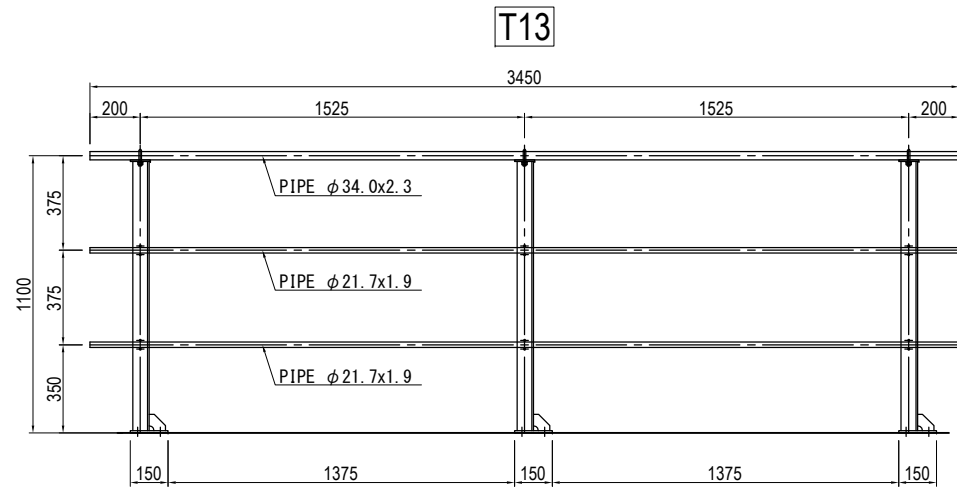
FALL PREVENTIVE HANDRAIL OF P12 PIER (2) S=1:30



- <T10, T12> Production volume : each2 (per pier)
- | | |
|--------------------------------------|---------------------------|
| 1-PIPE ϕ 34.0x2.3x4590 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE ϕ 21.7x1.9x4590 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |



- <T11> Production volume : 2(per pier)
- | | |
|--------------------------------------|---------------------------|
| 1-PIPE ϕ 34.0x2.3x4680 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE ϕ 21.7x1.9x4680 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |



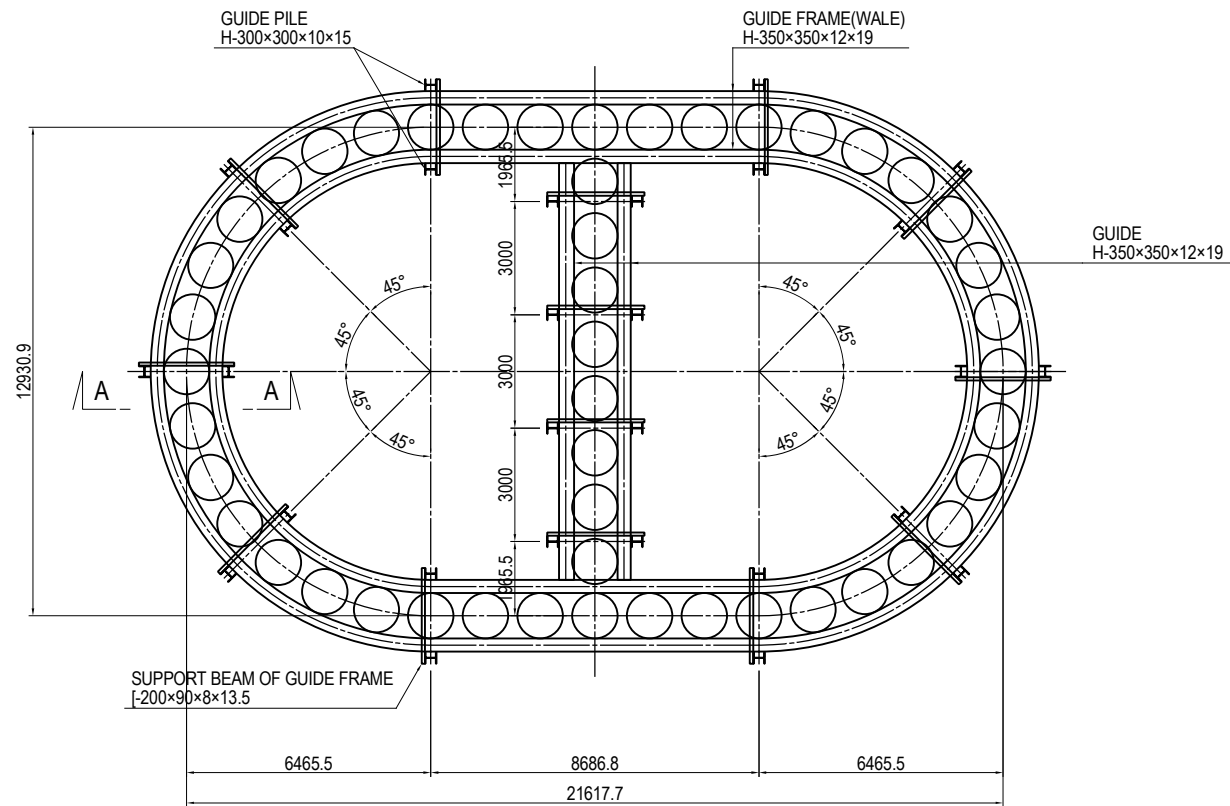
- <T13> Production volume : 4 (per pier)
- | | |
|--------------------------------------|---------------------------|
| 1-PIPE ϕ 34.0x2.3x3450 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE ϕ 21.7x1.9x3450 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

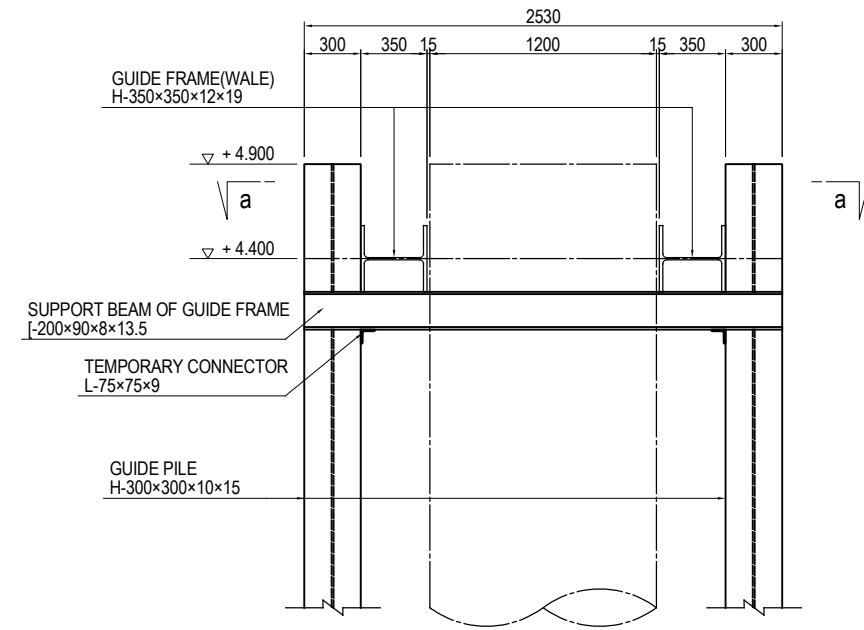
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P12 PIER (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2231

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P12 PIER (1)

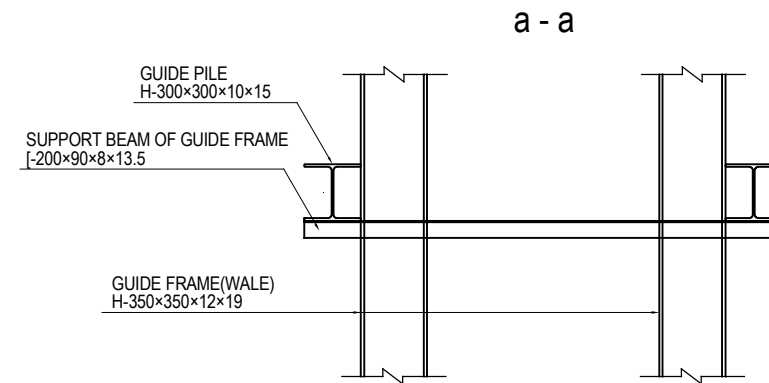
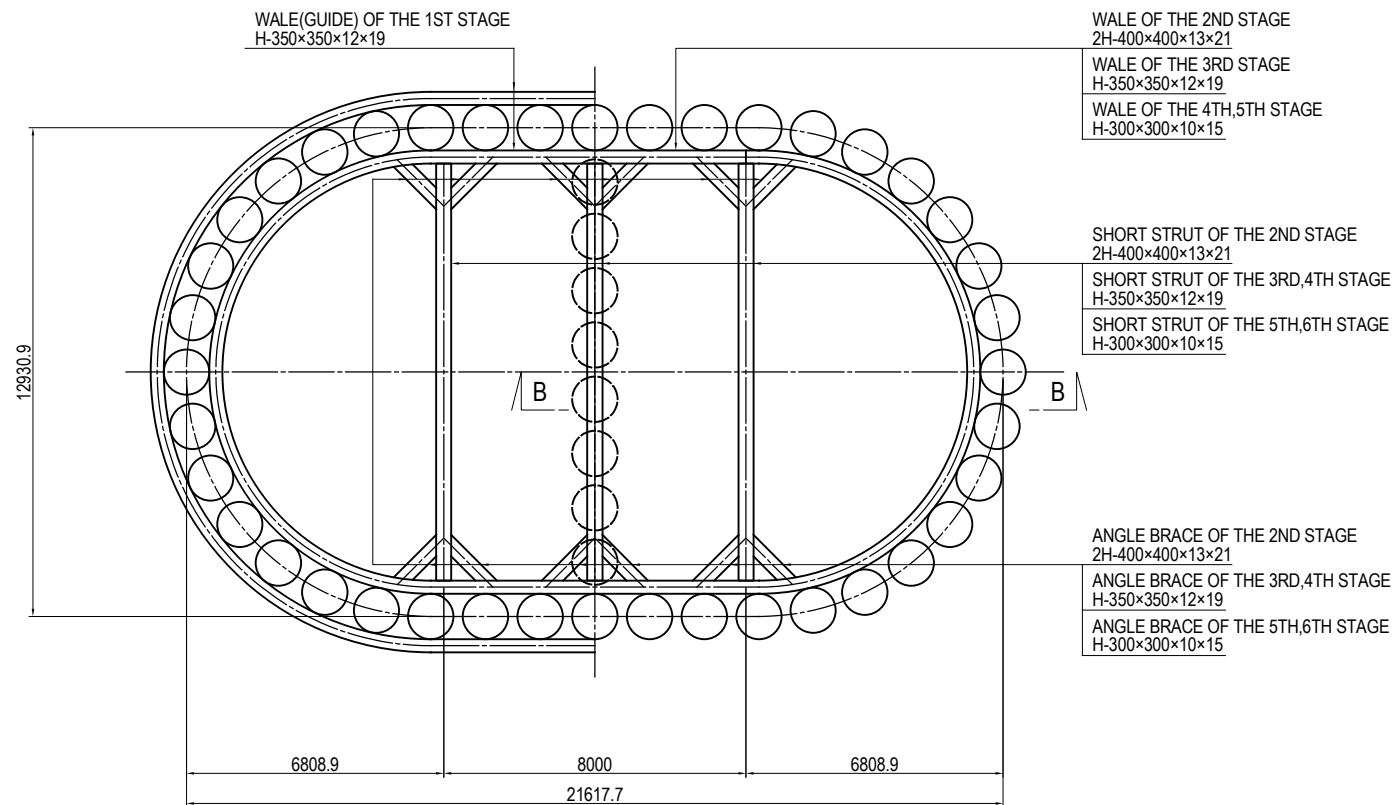
LAYOUT PLAN OF GUIDE FRAMES AND GUIDE PILES S=1:200



DETAIL OF ATTACHMENT OF GUIDE PILES AND GUIDE FRAMES S=1:40



LAYOUT PLAN OF STRUTS AND WALES S=1:200

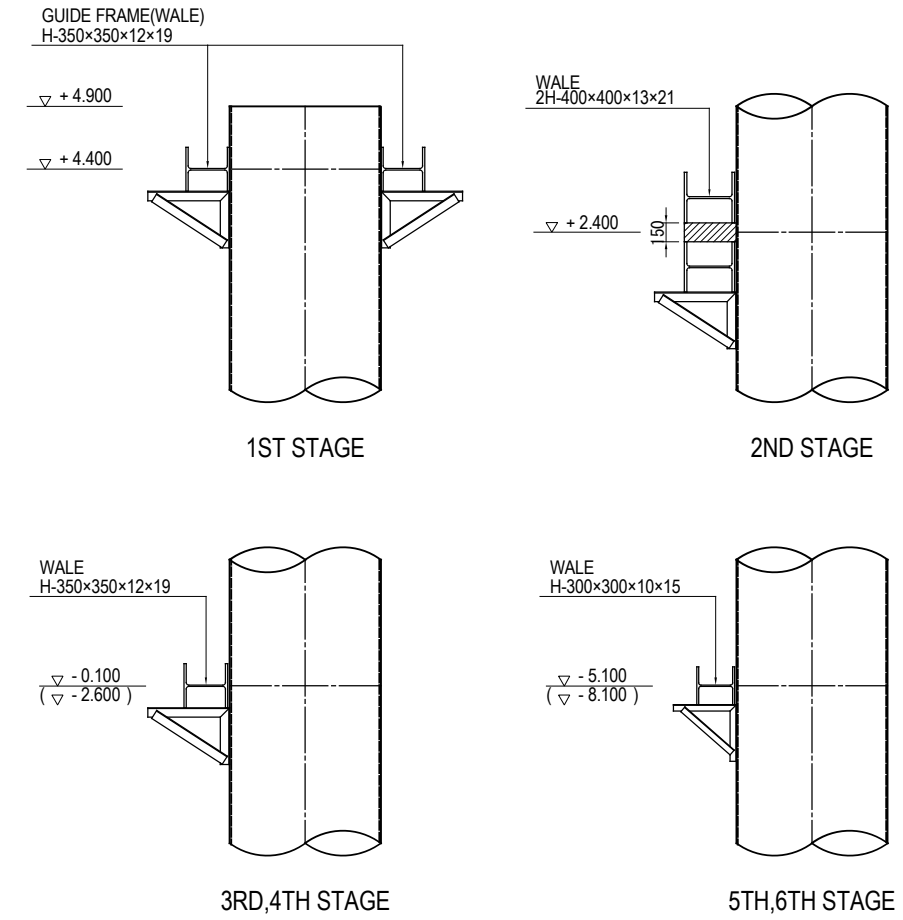
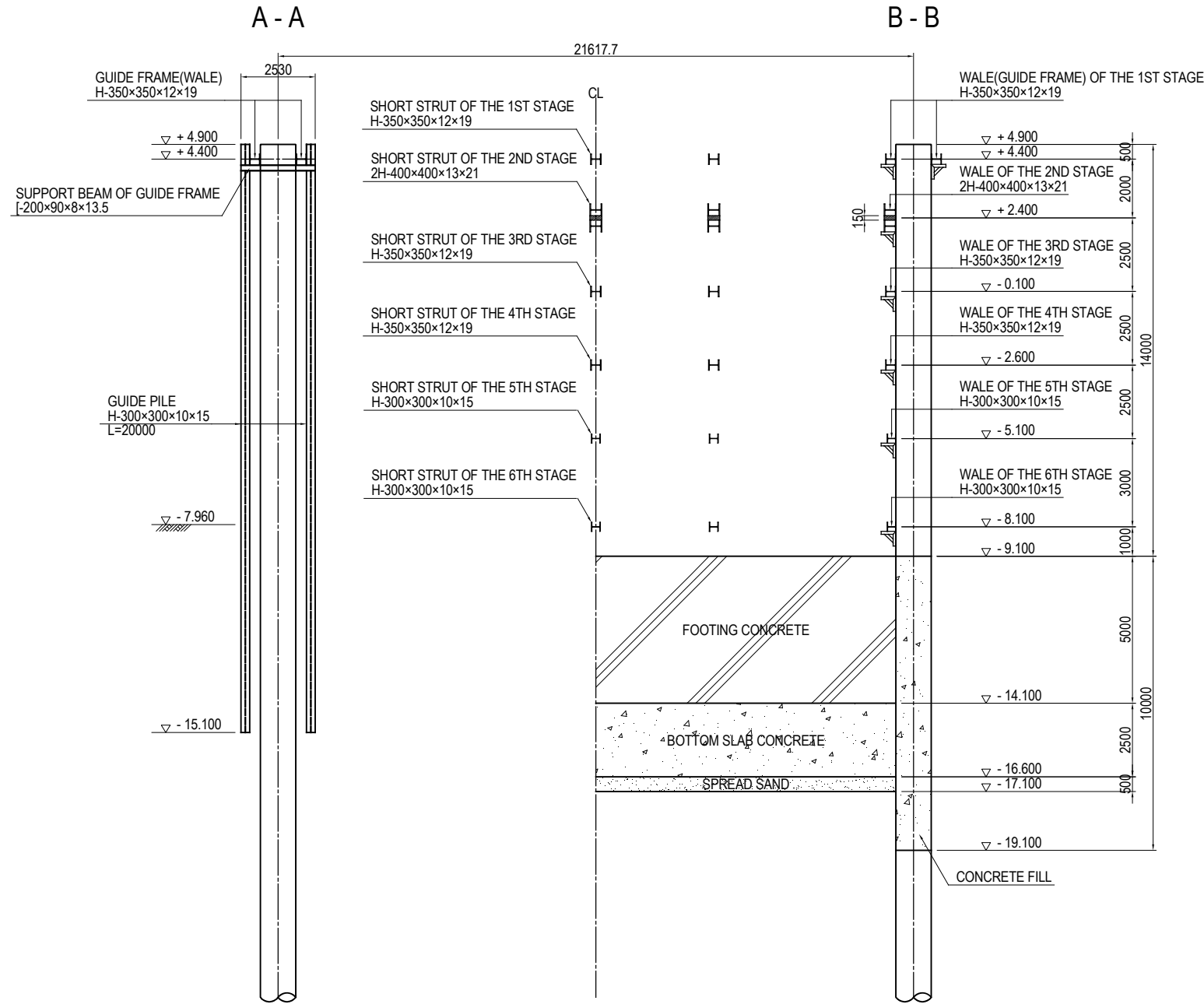


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P12 PIER (1)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2233

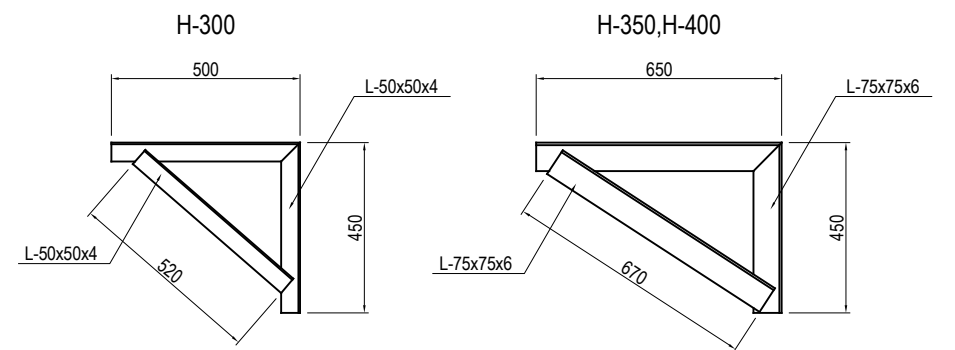
(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P12 PIER (2)

CROSS SECTION S=1/200

DETAIL OF ATTACHMENT OF WALE S=1:60

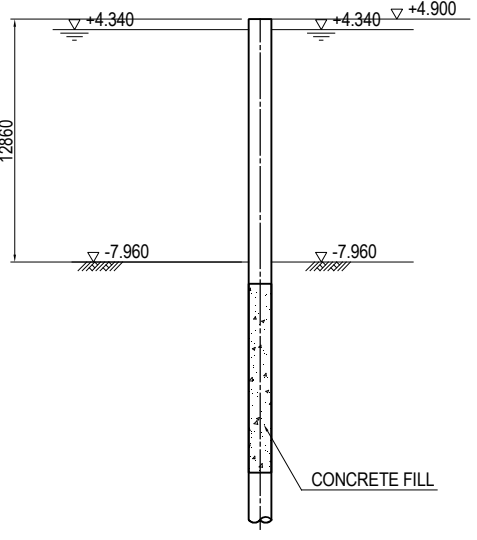
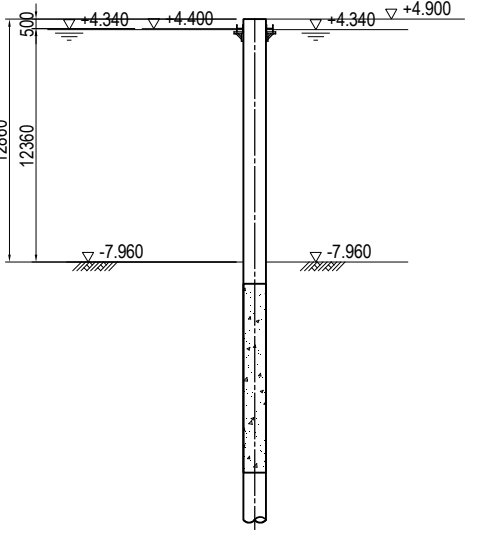
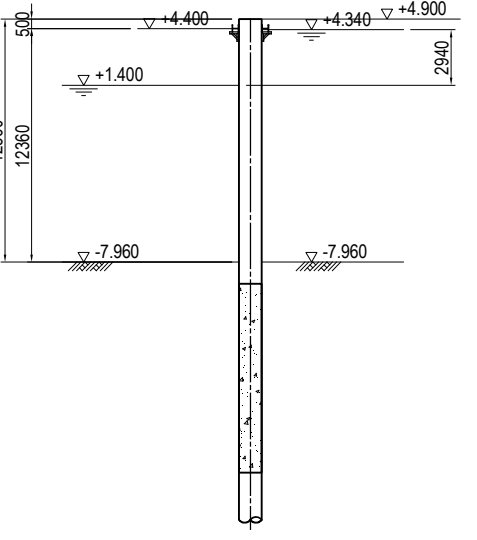
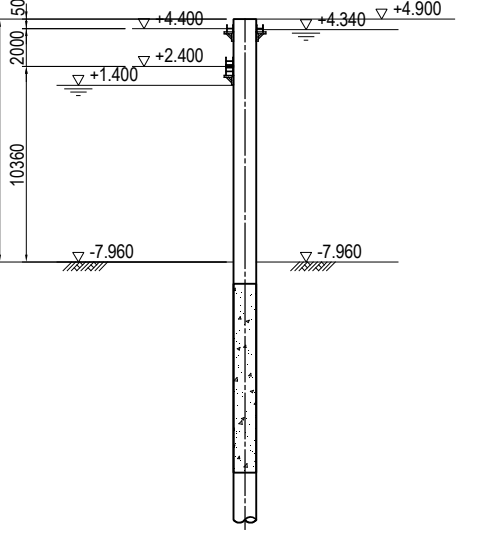
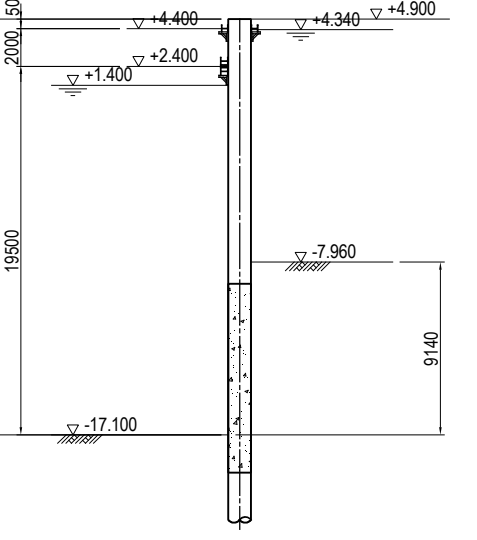
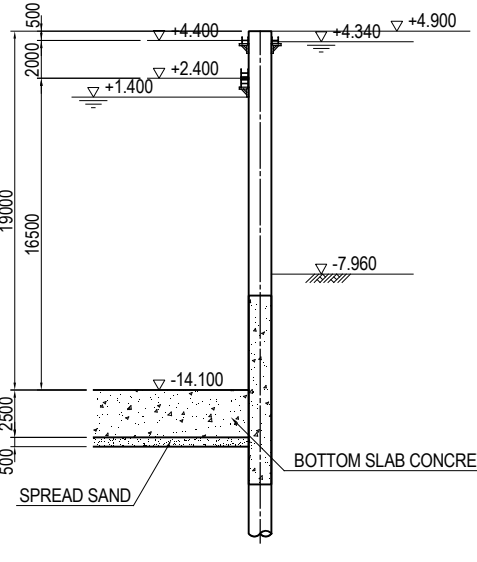
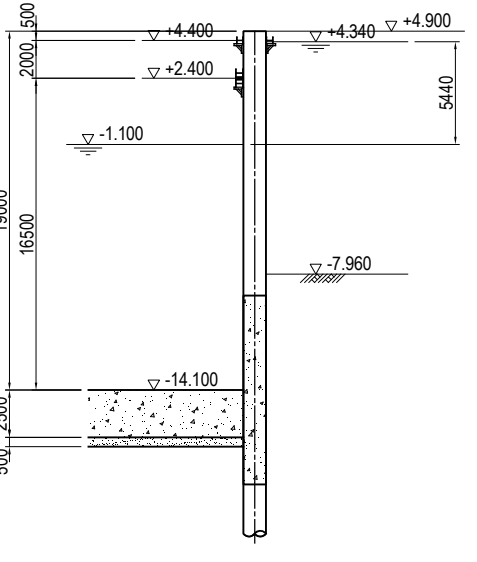
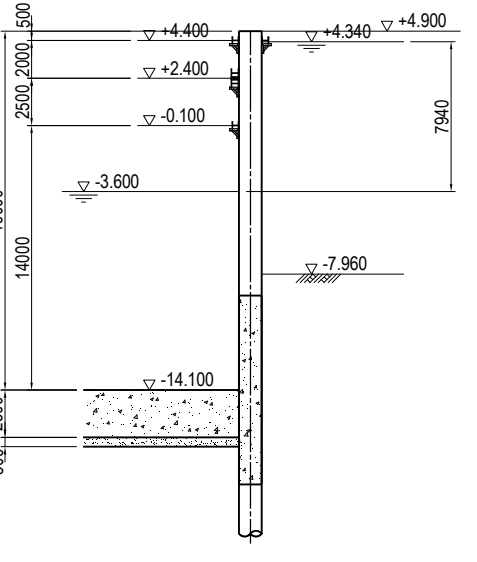
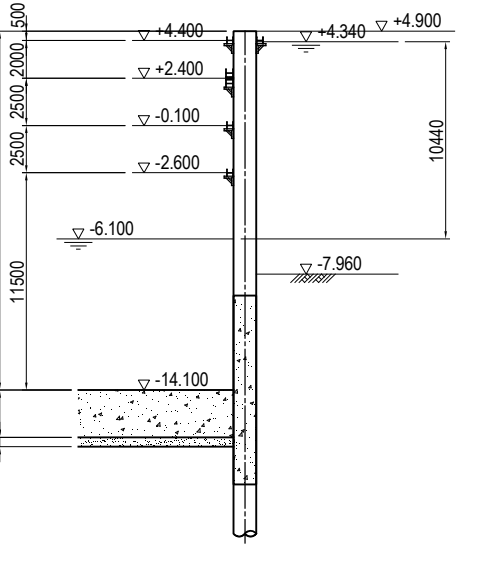
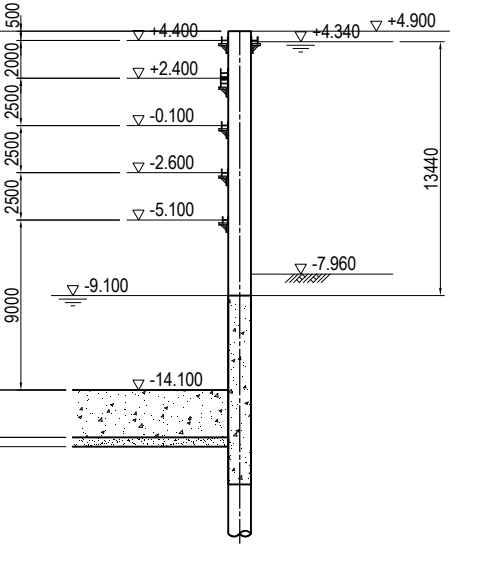


DETAIL OF BRACKET S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P12 PIER (2)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2234

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P12 PIER (1) S=1:400

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
				
<p>Excavate inside of exterior sheet piles and filled with concrete as shown.</p>	<p>The 1st support Installation.</p>	<p>Draining the inside of cofferdam up to +1.400m level.</p>	<p>The 2nd support Installation.</p>	<p>Underwater excavation up to -17.100m level.</p>
STEP 6	STEP 7	STEP 8	STEP 9	STEP 10
				
<p>Placement of spread sand followed by casting underwater bottom slab concrete.</p>	<p>Draining the inside of cofferdam up to -1.100m level.</p>	<p>Draining the inside of cofferdam up to -3.600m level after the 3rd support Installation.</p>	<p>Draining the inside of cofferdam up to -6.100m level after the 4th support Installation.</p>	<p>Draining the inside of cofferdam up to -9.100m level after the 5th support Installation.</p>

Note : This drawing can be used for reference only.

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM  NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>PREPARED BY CHECKED BY APPROVED BY</p>	<p>NAME T. HAYAKAWA T. HAYAKAWA Y. SANO</p>	<p>SIGNATURE </p>	<p>DATE </p>	<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P12 PIER (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-2235</p>
---	---	---	--	---	---	---------------------------------	----------------------------	--	---

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P12 PIER (2) S=1:400

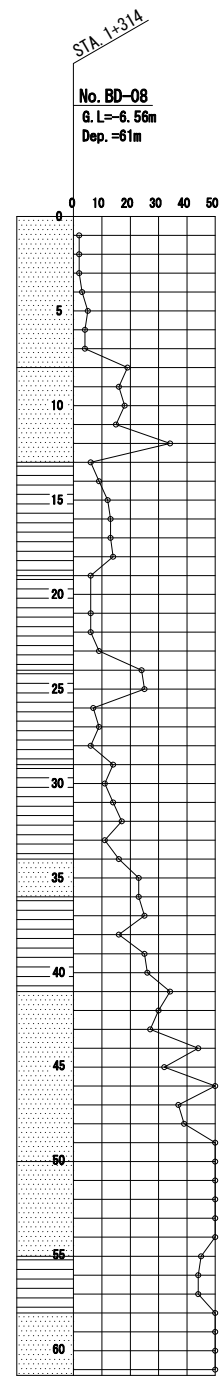
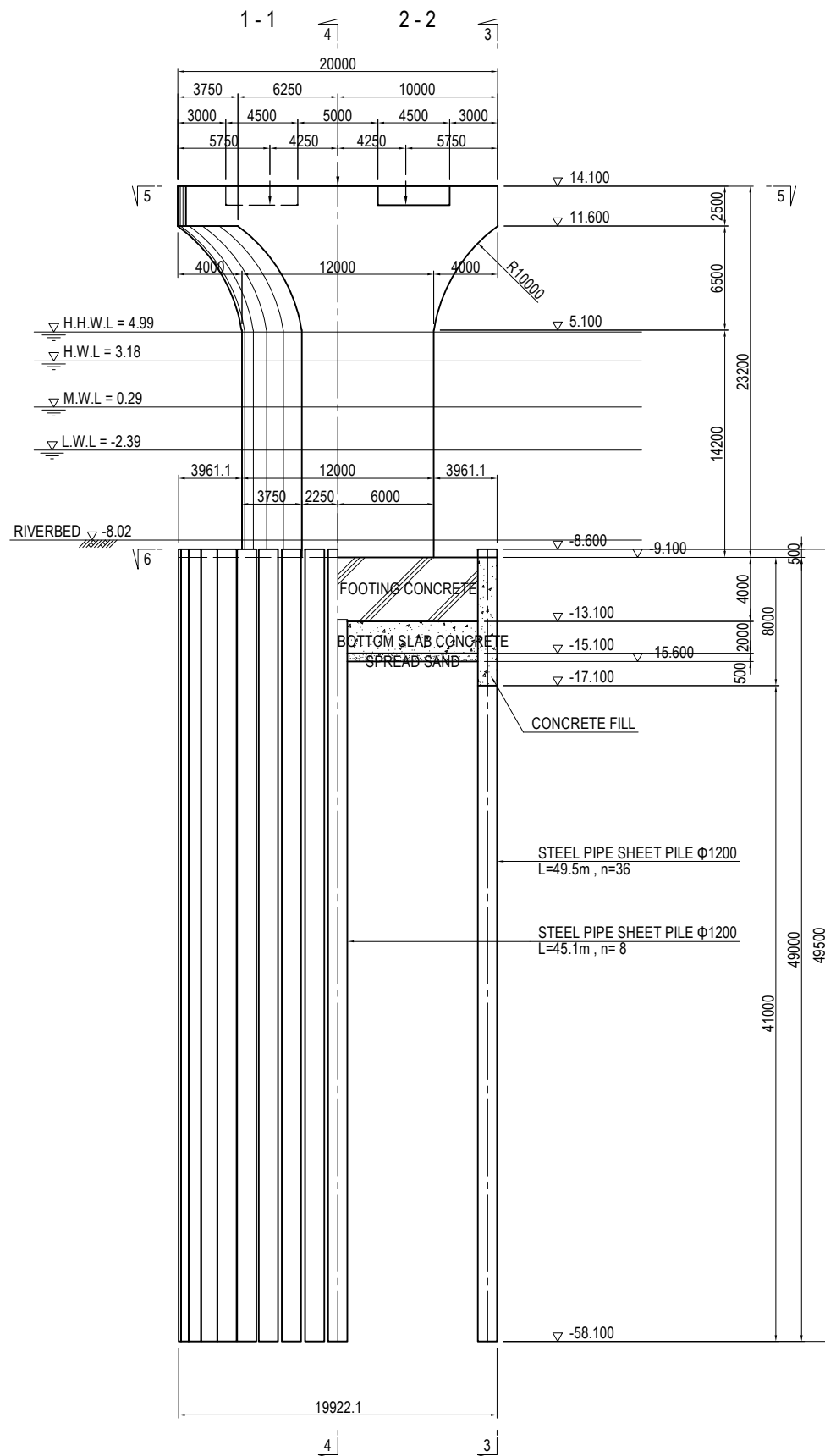
STEP 11	STEP 12	STEP 13		
<p>Draining the inside of cofferdam up to -14.100m level. after the 6th support Installation.</p>	<p>Casting of footing concrete.</p>	<p>The 6th support Removal.</p>		

Note : This drawing can be used for reference only.

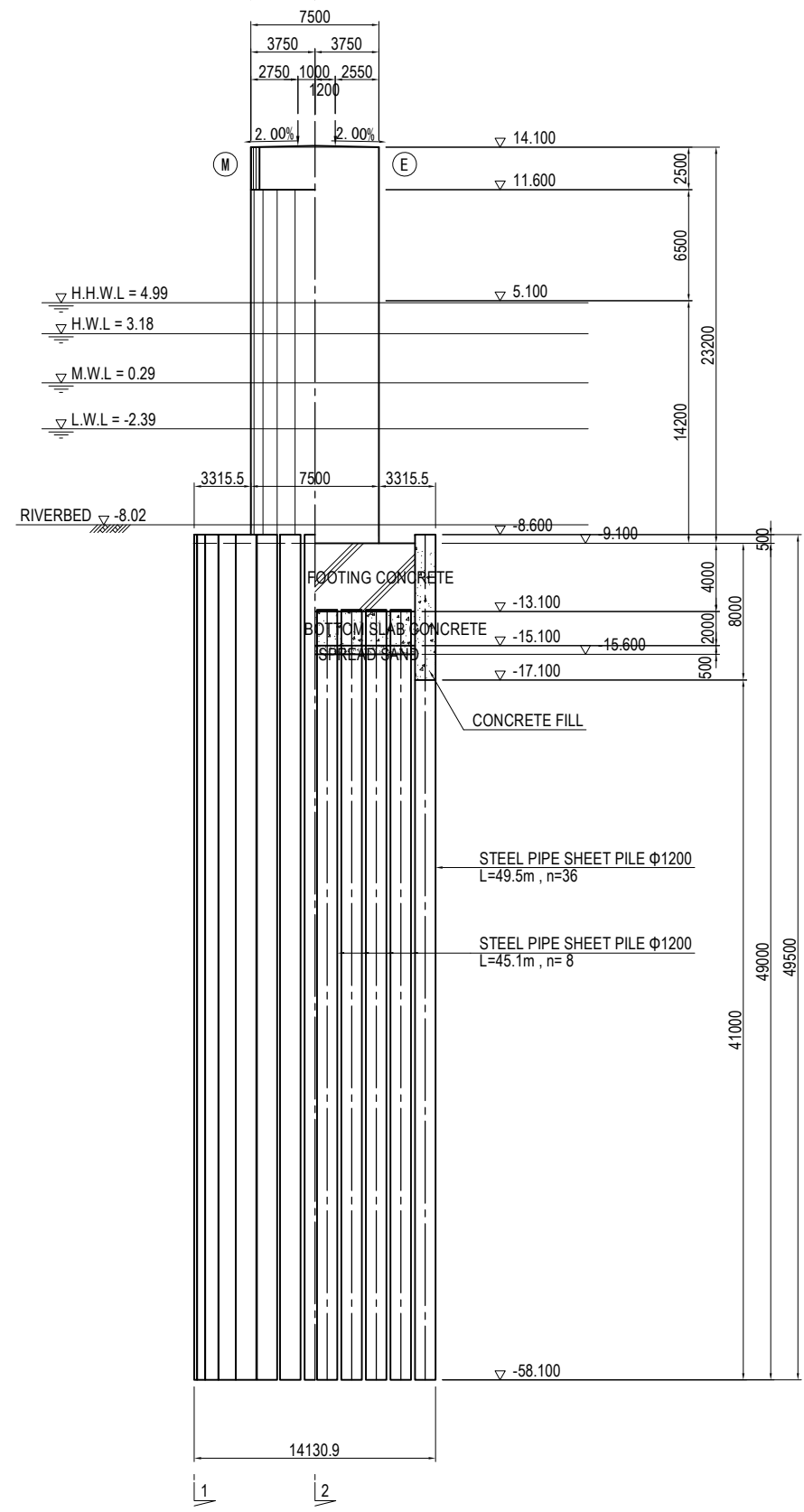
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. HAYAKAWA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P12 PIER (2)</p>	<p>PACKAGE 1 DWG No. P1-CS-2236</p>
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. HAYAKAWA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

GENERAL ARRANGEMENT OF P13 PIER(1) S=1:400

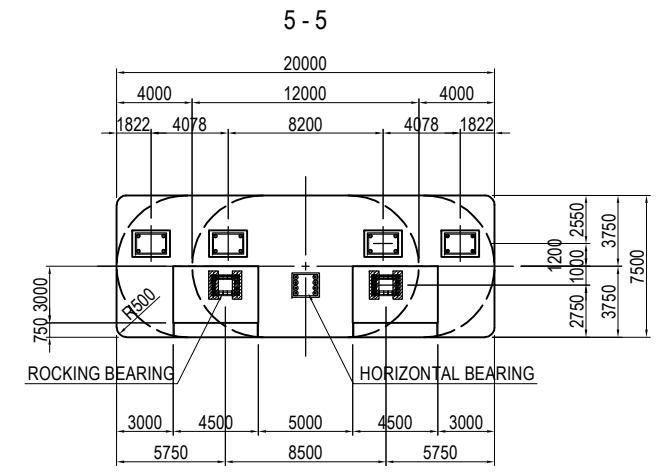
FRONT ELEVATION



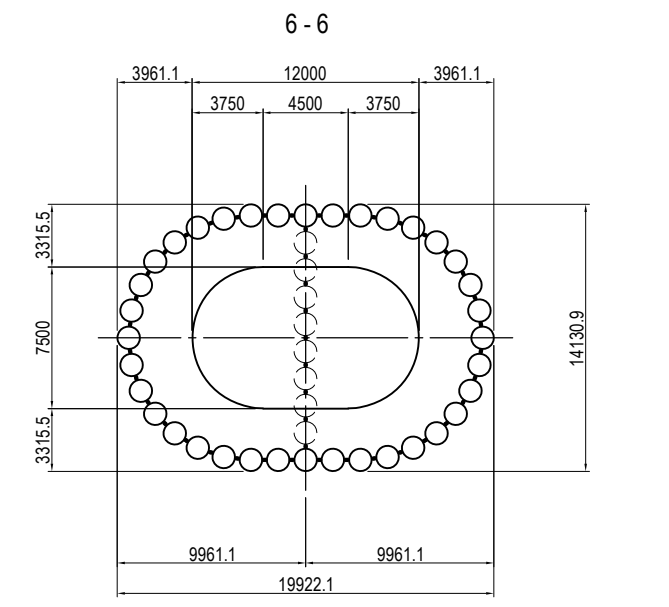
FRONT ELEVATION (Continued)



PLAN



PLAN



USE MATERIALS

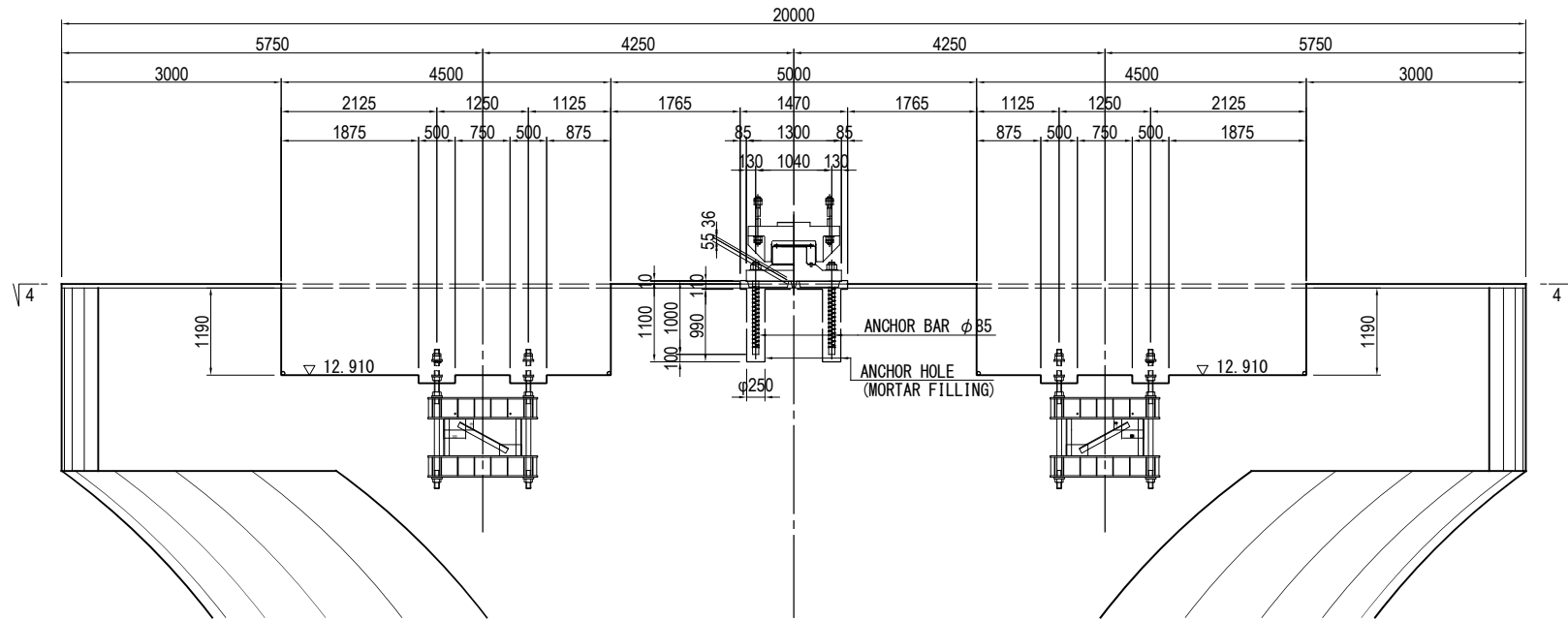
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

GENERAL ARRANGEMENT OF P13 PIER (2) S=1:100

DETAIL OF BEARING AND ANCHOR

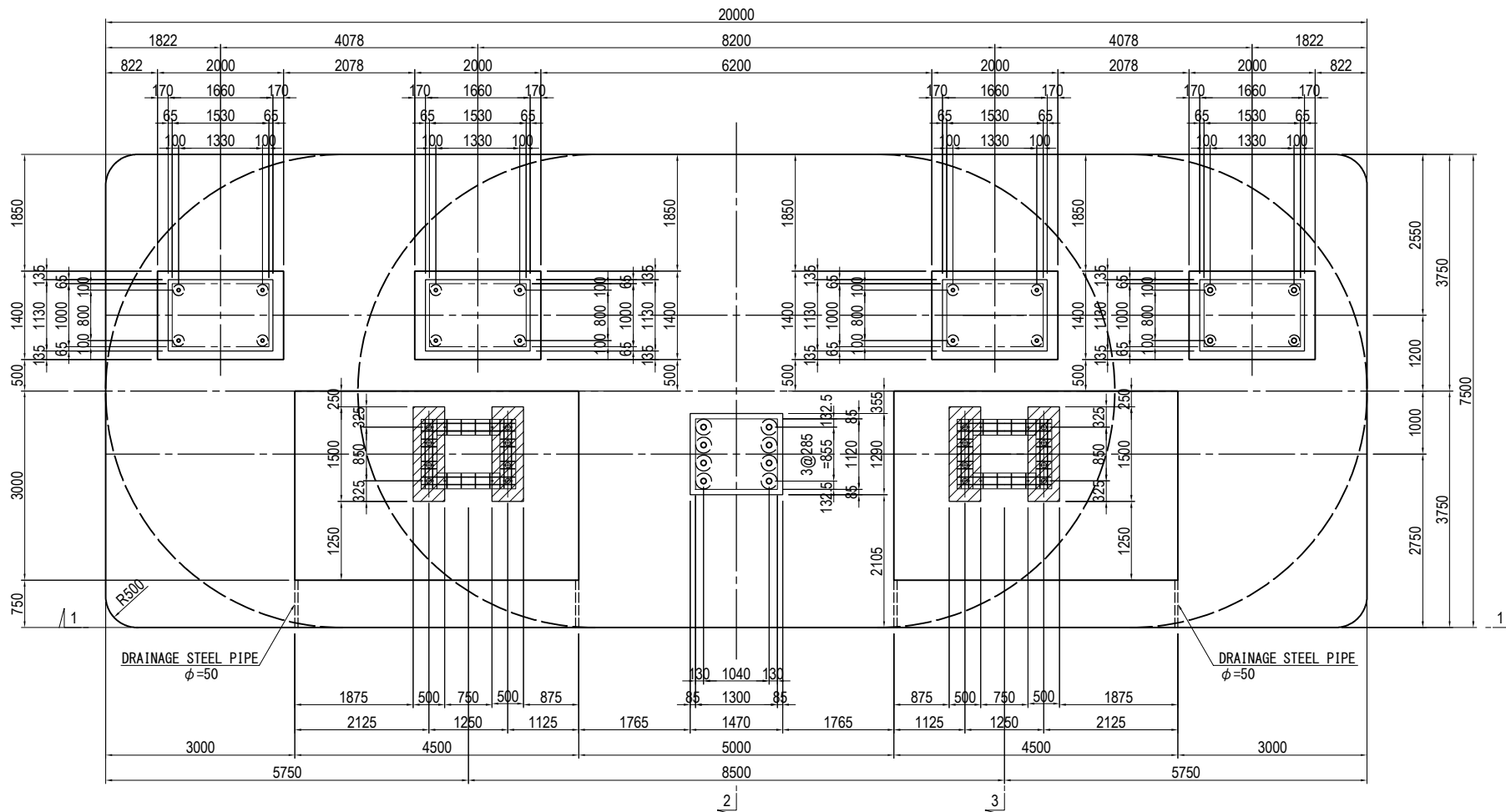
FRONT ELEVATION

1 - 1



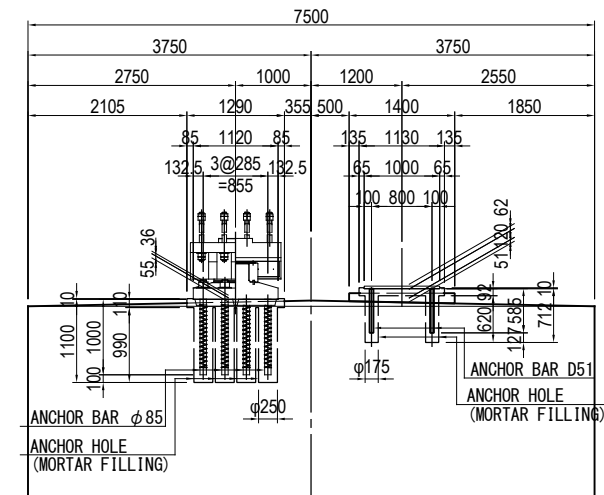
PLAN

4 - 4

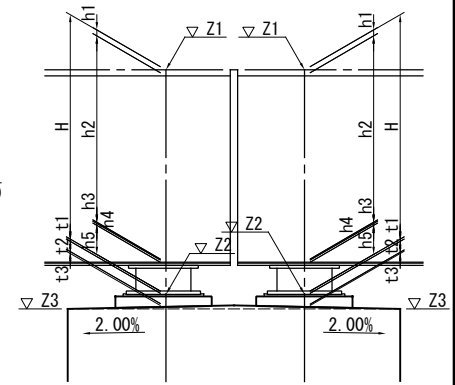
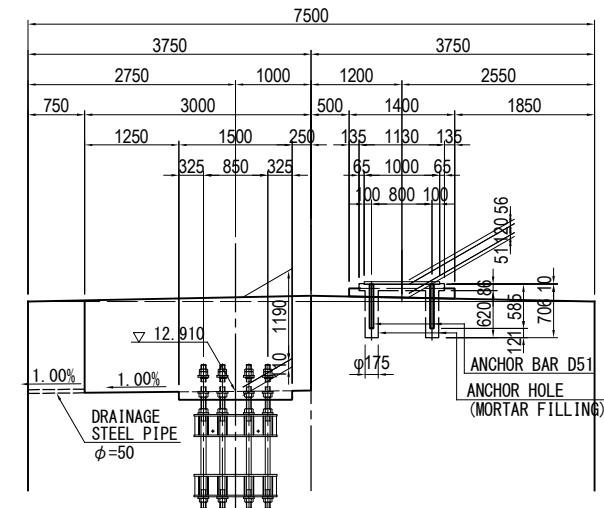


SIDE ELEVATION

2 - 2



3 - 3



	P13 PIER (S2)			P13 PIER (S1) ※				
	SL1	CL	SR1	G1	G2	G3	G4	
PROPOSED HEIGHT	Z1	17.712	17.797	17.712	17.618	17.708	17.708	17.618
PAVEMENT	h1	0.080	0.080	0.080	0.080	0.080	0.080	0.080
GIRDER	h2	2.615	2.700	2.615	2.700	2.790	2.790	2.700
BOTTOM FLANGE	h3	0.014	0.014	0.014	0.020	0.014	0.014	0.020
SOLE PLATE	h4	—	0.062	—	0.025	0.025	0.025	0.025
BEARING	h5	0.903	0.750	0.903	0.466	0.466	0.466	0.466
SUBTOTAL	H	3.612	3.606	3.612	3.291	3.375	3.375	3.291
ELEVATION OF BEARING BOTTOM	Z2	14.100	14.191	14.100	14.327	14.333	14.333	14.327
MORTAR	t1	—	0.036	—	0.056	0.062	0.062	0.056
BEARING BASE	t2	—	—	—	0.120	0.120	0.120	0.120
DRAINAGE INCLINE	t3	—	0.055	—	0.051	0.051	0.051	0.051
ELEVATION OF PIER TOP	Z3	14.100	14.100	14.100	14.100	14.100	14.100	14.100

※ This non-shrinkage mortar for bearing base shall be constructed by Package-2.

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

NAME
PREPARED BY T.TOMODA
CHECKED BY T.HAYAKAWA
APPROVED BY Y.SANO

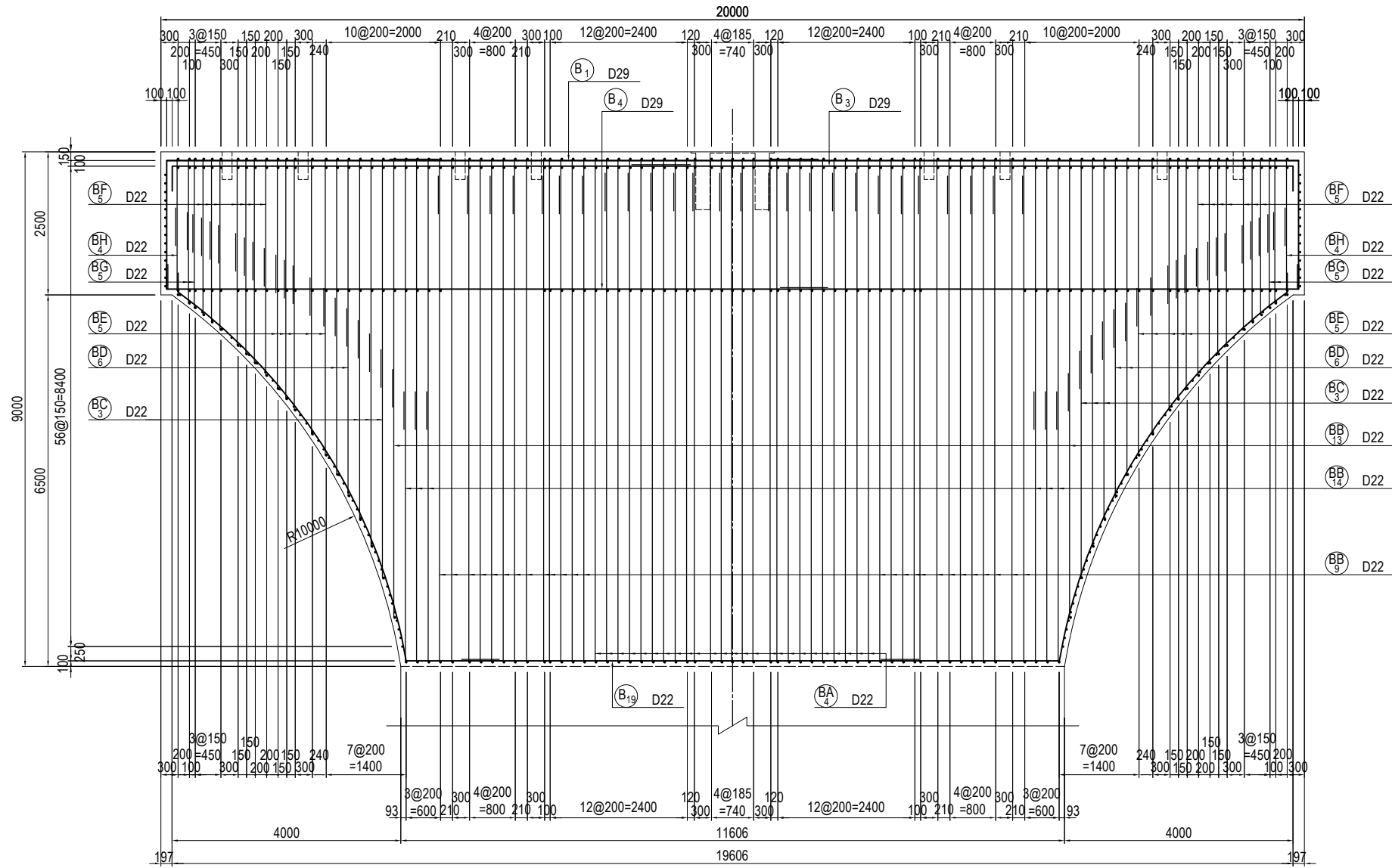
SIGNATURE
DATE

DRAWING TITLE
GENERAL ARRANGEMENT OF P13 PIER (2)

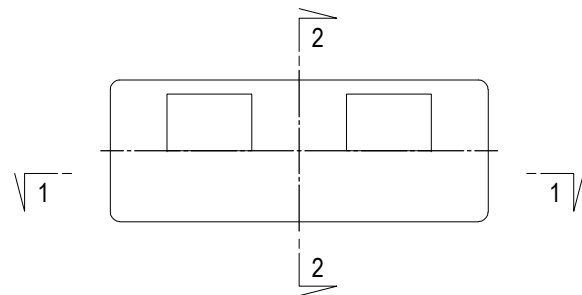
PACKAGE
1
DWG No.
P1-CS-2302

BAR ARRANGEMENT OF P13 PIER (1) S=1:100

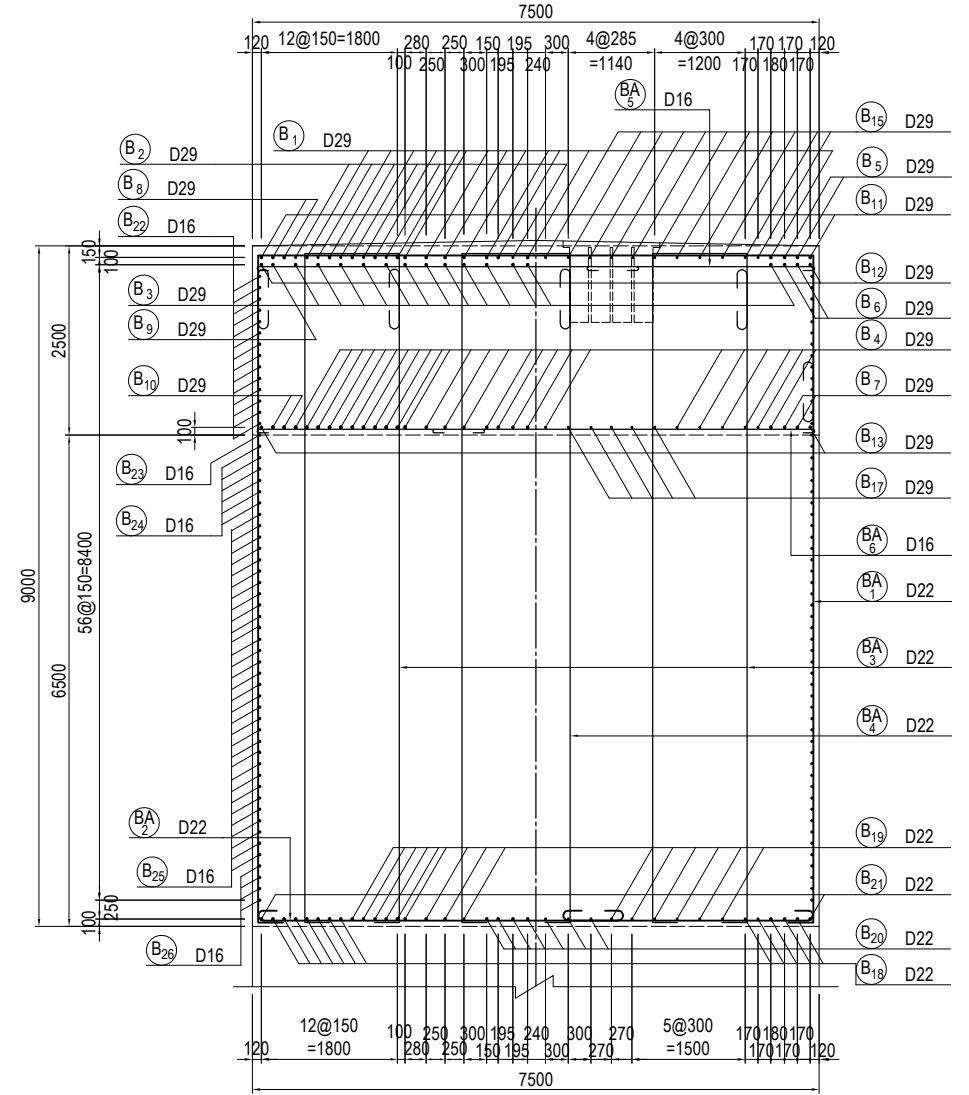
SECTION 1-1



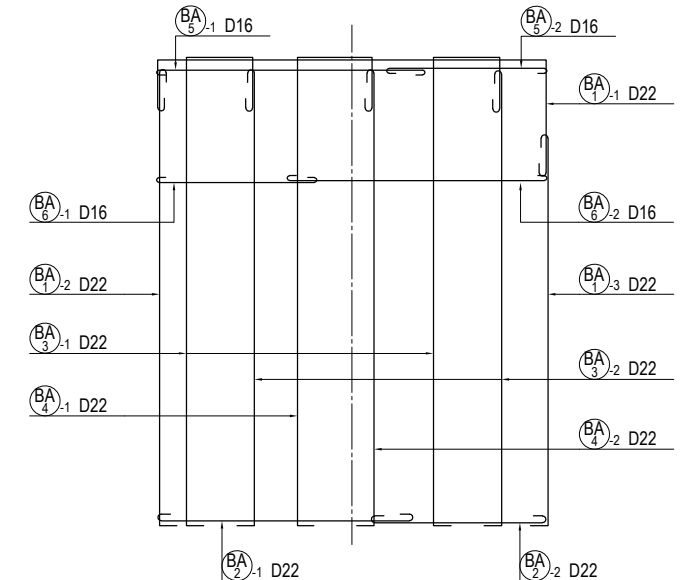
MARKING DIAGRAM



SECTION 2-2



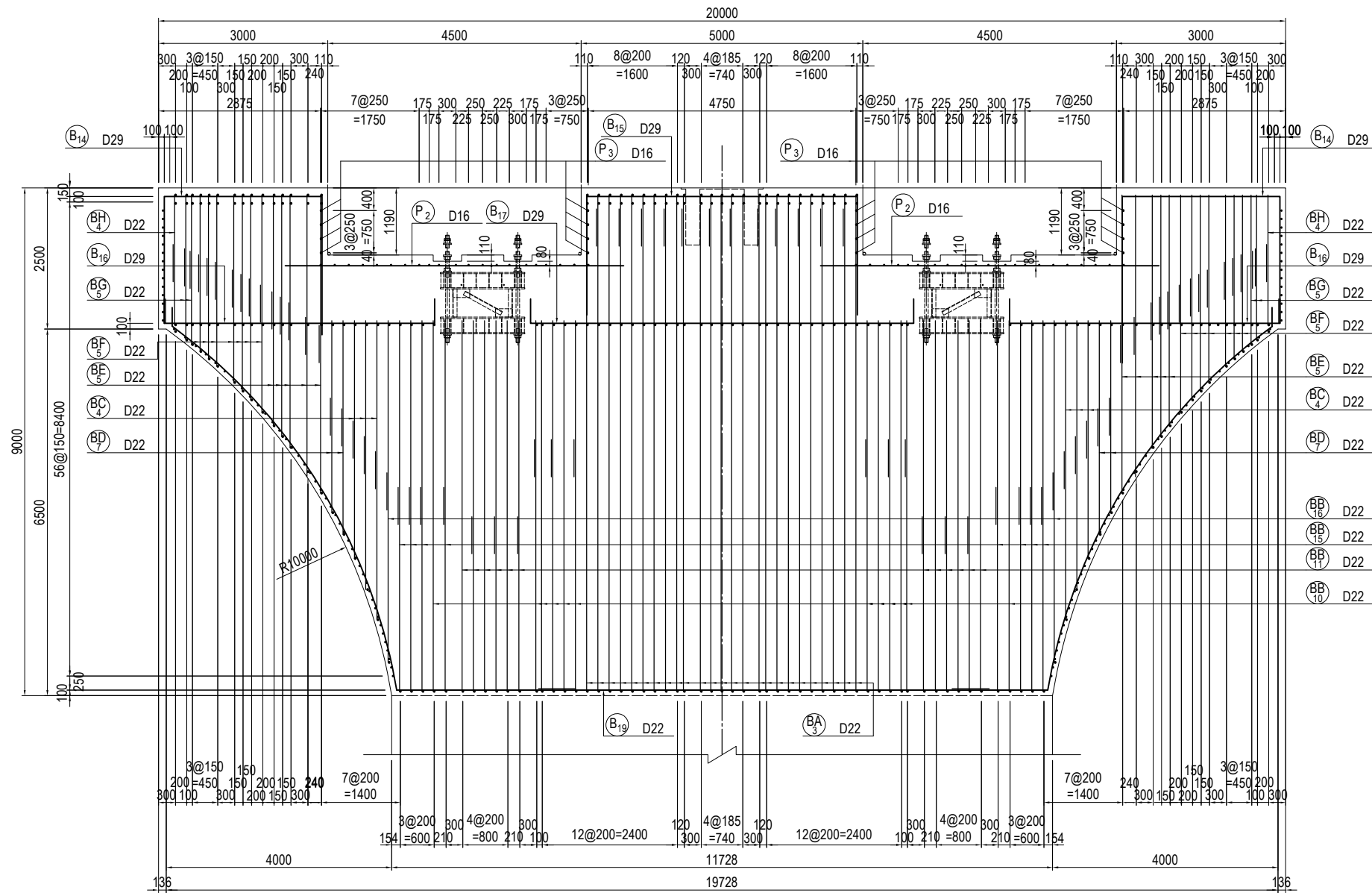
ASSEMBLY DRAWING OF STIRRUP



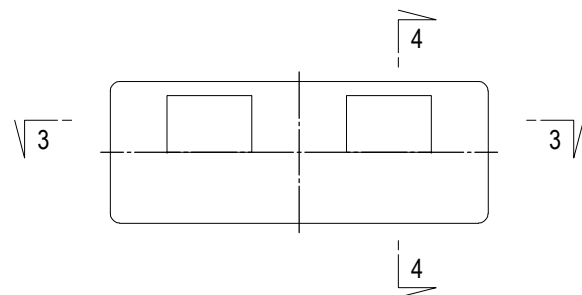
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF P13 PIER (1)</td> </tr> </tbody> </table>	DRAWING TITLE	BAR ARRANGEMENT OF P13 PIER (1)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">PACKAGE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td style="text-align: center;">P1-CS-2303</td> </tr> </tbody> </table>	PACKAGE	1	DWG No.	P1-CS-2303
NAME	SIGNATURE	DATE																						
PREPARED BY	T. TOMODA																							
CHECKED BY	T. HAYAKAWA																							
APPROVED BY	Y. SANO																							
DRAWING TITLE																								
BAR ARRANGEMENT OF P13 PIER (1)																								
PACKAGE																								
1																								
DWG No.																								
P1-CS-2303																								

BAR ARRANGEMENT OF P13 PIER (2) S=1:100

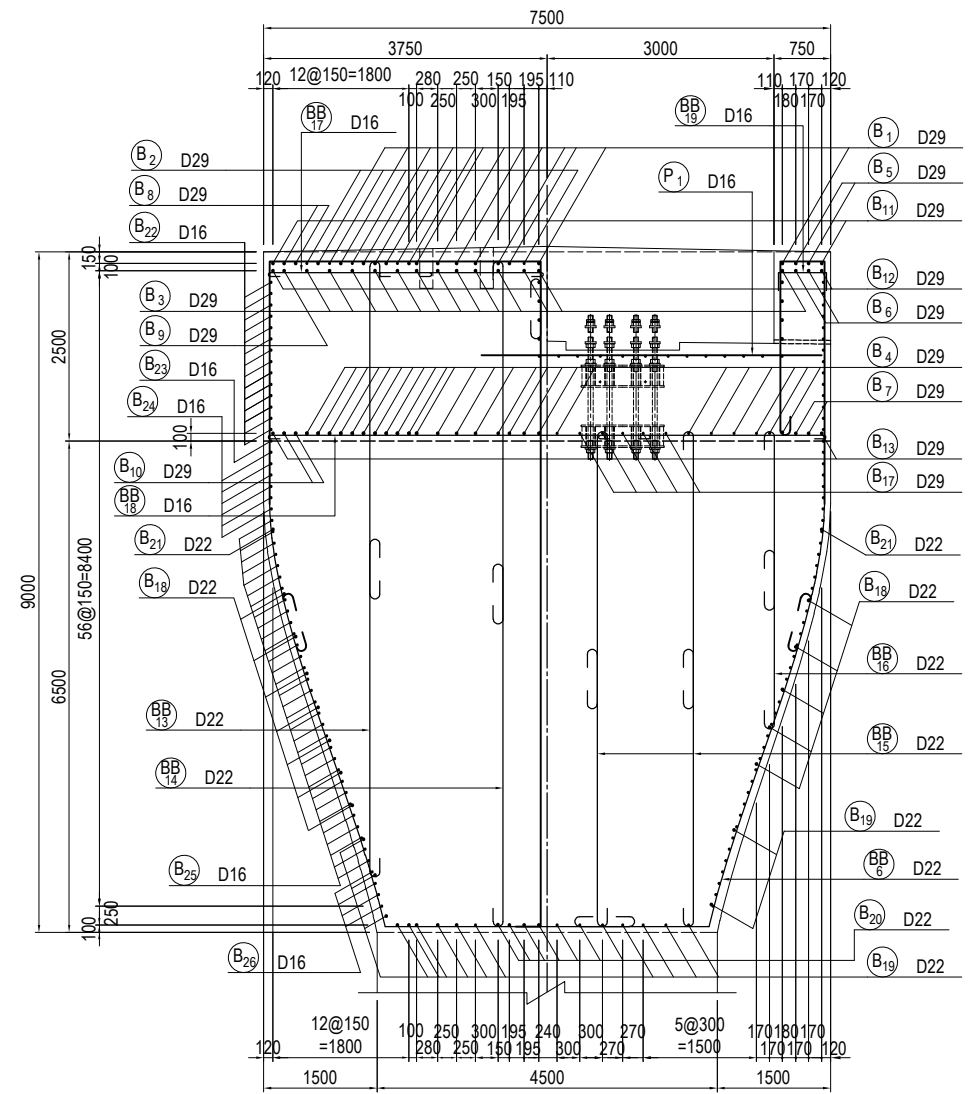
SECTION 3 - 3 BEAM



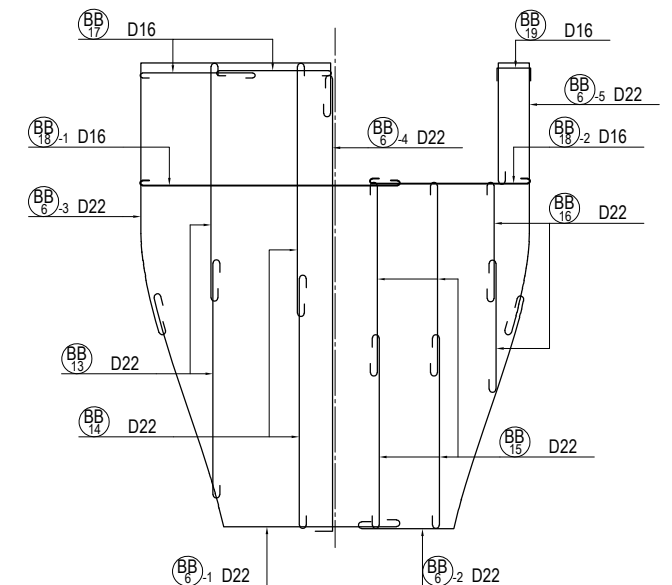
MARKING DIAGRAM



SECTION 4 - 4



ASSEMBLY DRAWING OF STIRRUP



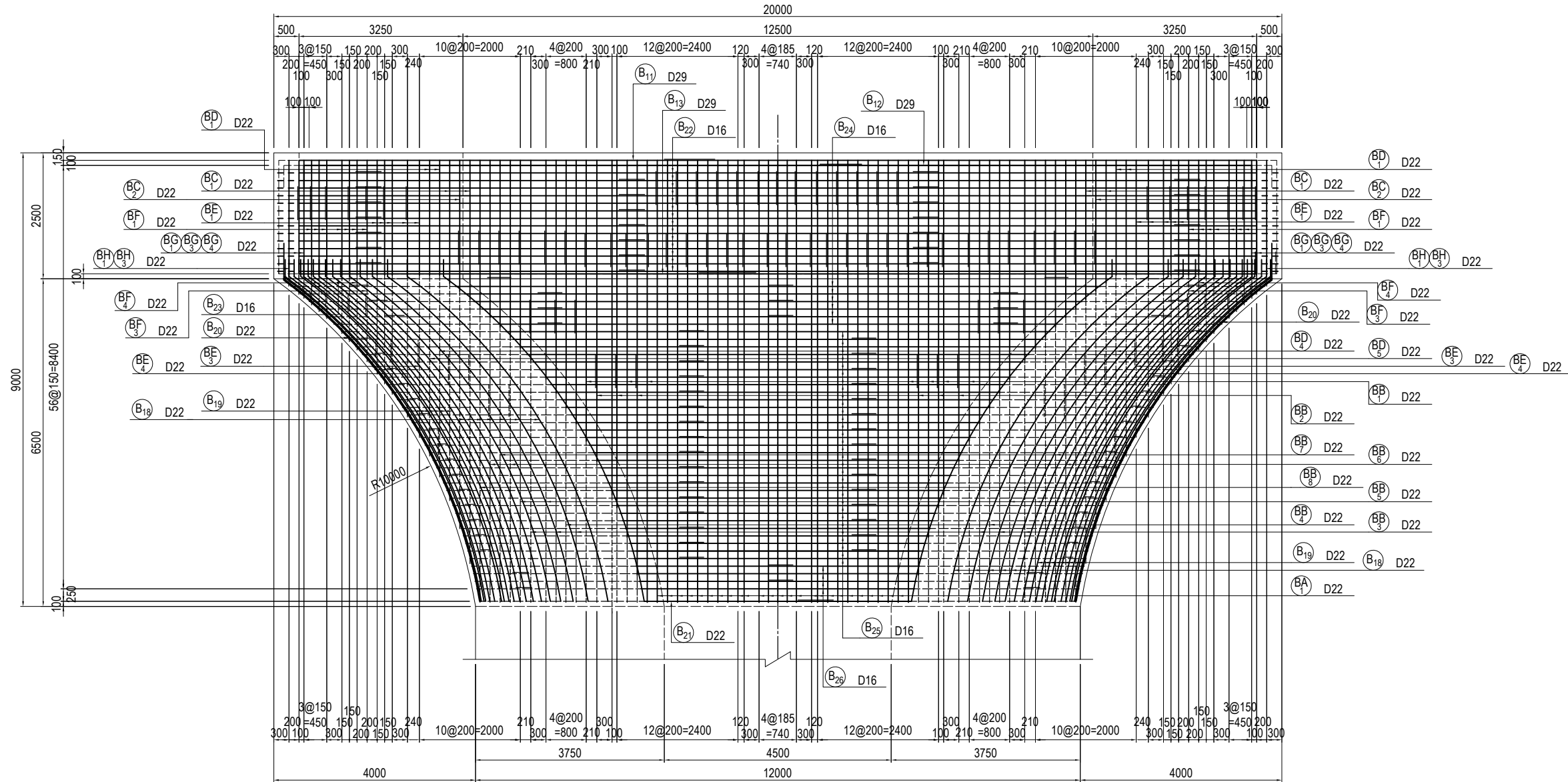
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE <h3 style="text-align: center;">BAR ARRANGEMENT OF P13 PIER (2)</h3>	PACKAGE 1 DWG No. P1-CS-2304
---	--	---	--	---	-----------------------	------------------	---	---------------------------------------

BAR ARRANGEMENT OF P13 PIER (3) S=1:100

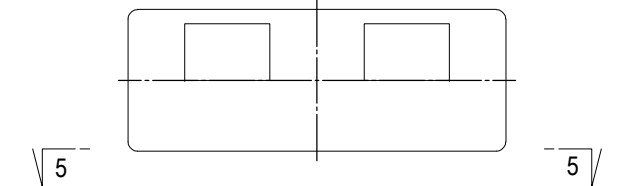
BEAM

FRONT ELEVATION

5 - 5



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
BAR ARRANGEMENT OF P13 PIER (3)

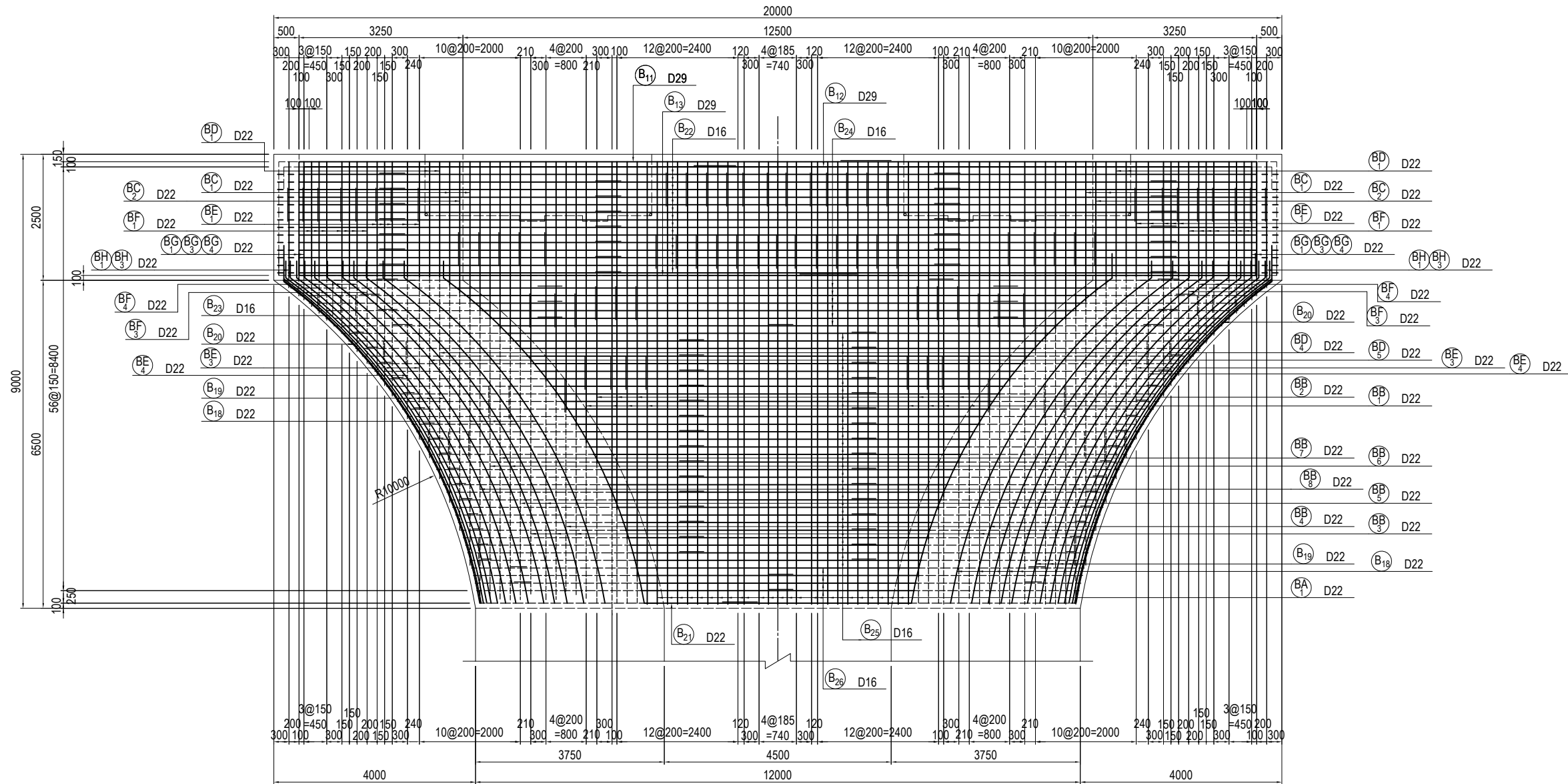
PACKAGE
1
DWG No.
P1-CS-2305

BAR ARRANGEMENT OF P13 PIER (4) S=1:100

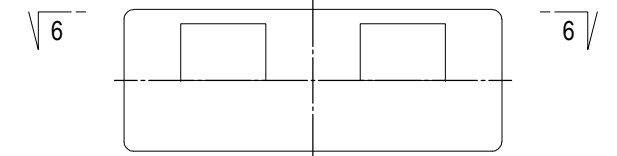
BEAM

FRONT ELEVATION

6 - 6



MARKING DIAGRAM



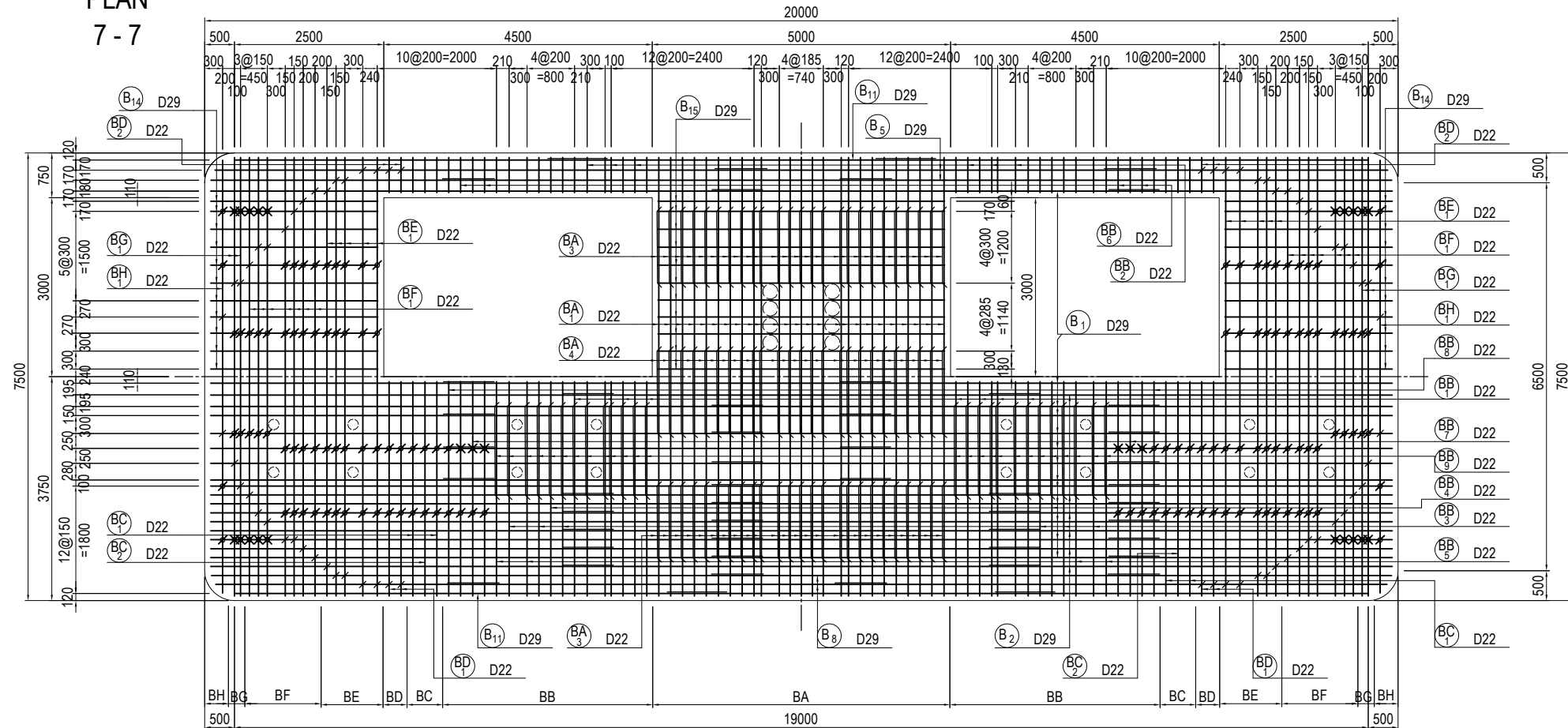
USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (4)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2306

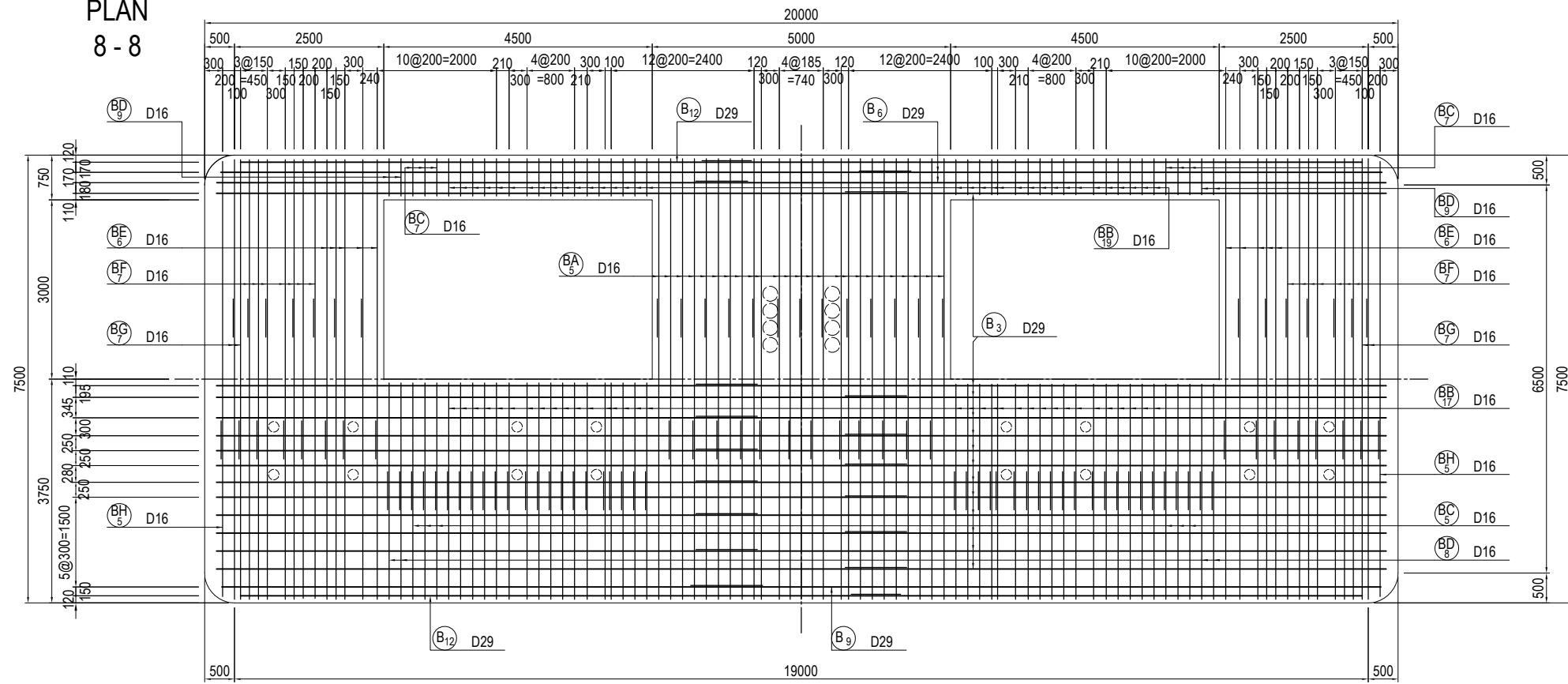
BAR ARRANGEMENT OF P13 PIER (5) S=1:100 BEAM

PLAN
7-7

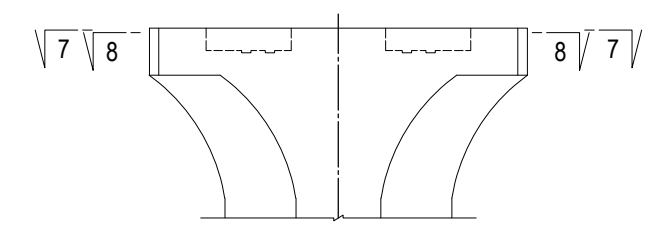


MARKS	DIA.	NOS. OF BARS	REMARKS
BB	∕	D22	10 × 2 = 20 (BB ₁₃)
BC	×	"	6 × 2 = 12 (BB ₁₄)
BD	∕	"	12 × 2 = 24 (BB ₆)
BE	∕	"	8 × 2 = 16 (BB ₅)
BF	∕	"	40 × 2 = 80 (BB ₅)
BF	×	"	44 × 2 = 88 (BF ₅)
BF	×	"	12 × 2 = 24 (BF ₆)
BG	∕	"	8 × 2 = 16 (BG ₆)
BG	×	"	8 × 2 = 16 (BG ₆)
BH	∕	"	8 × 2 = 16 (BH ₄)

PLAN
8-8



MARKING DIAGRAM



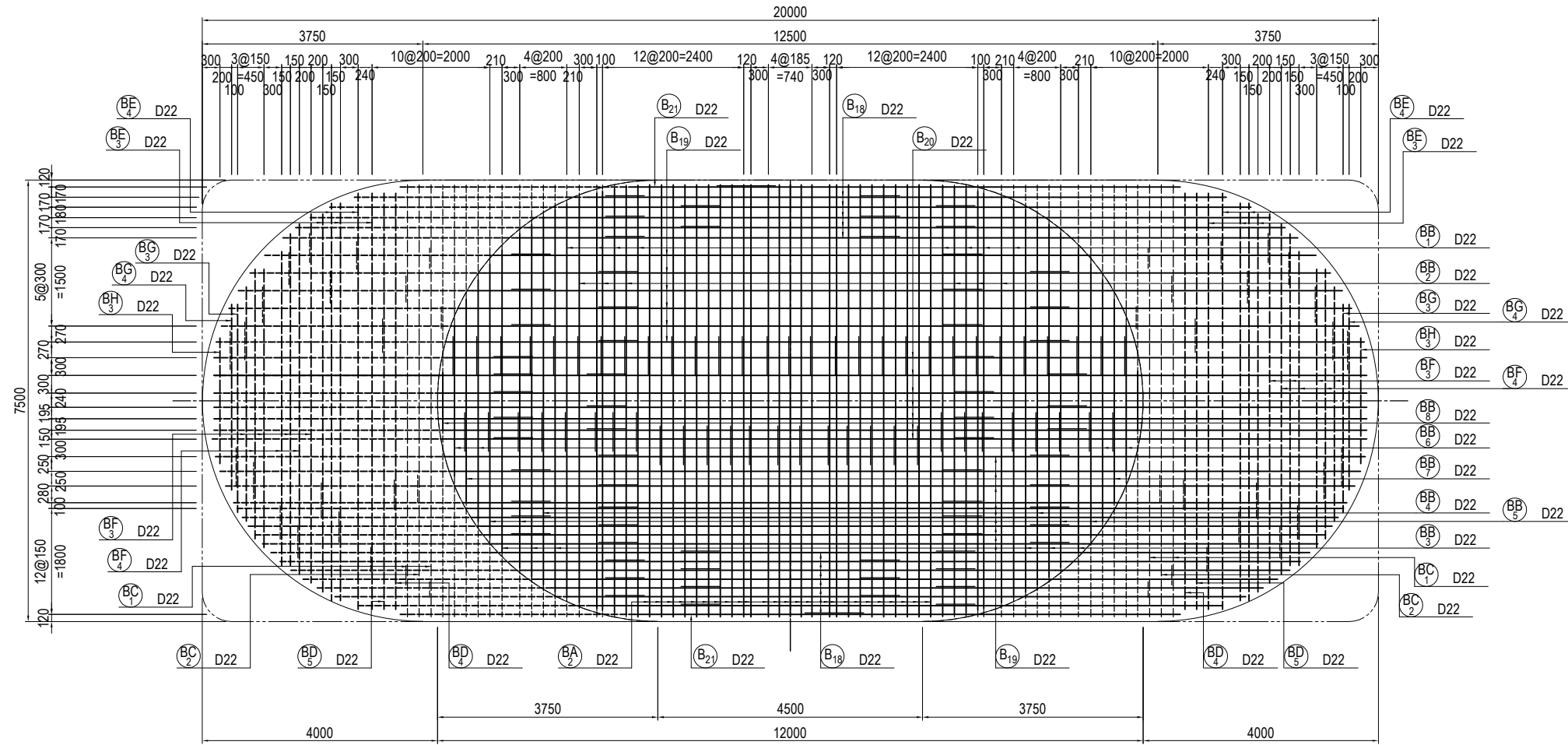
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

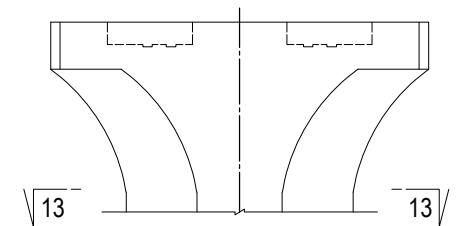
BAR ARRANGEMENT OF P13 PIER (7) S=1:100

BEAM

PLAN
13 - 13



MARKING DIAGRAM



USE MATERIALS

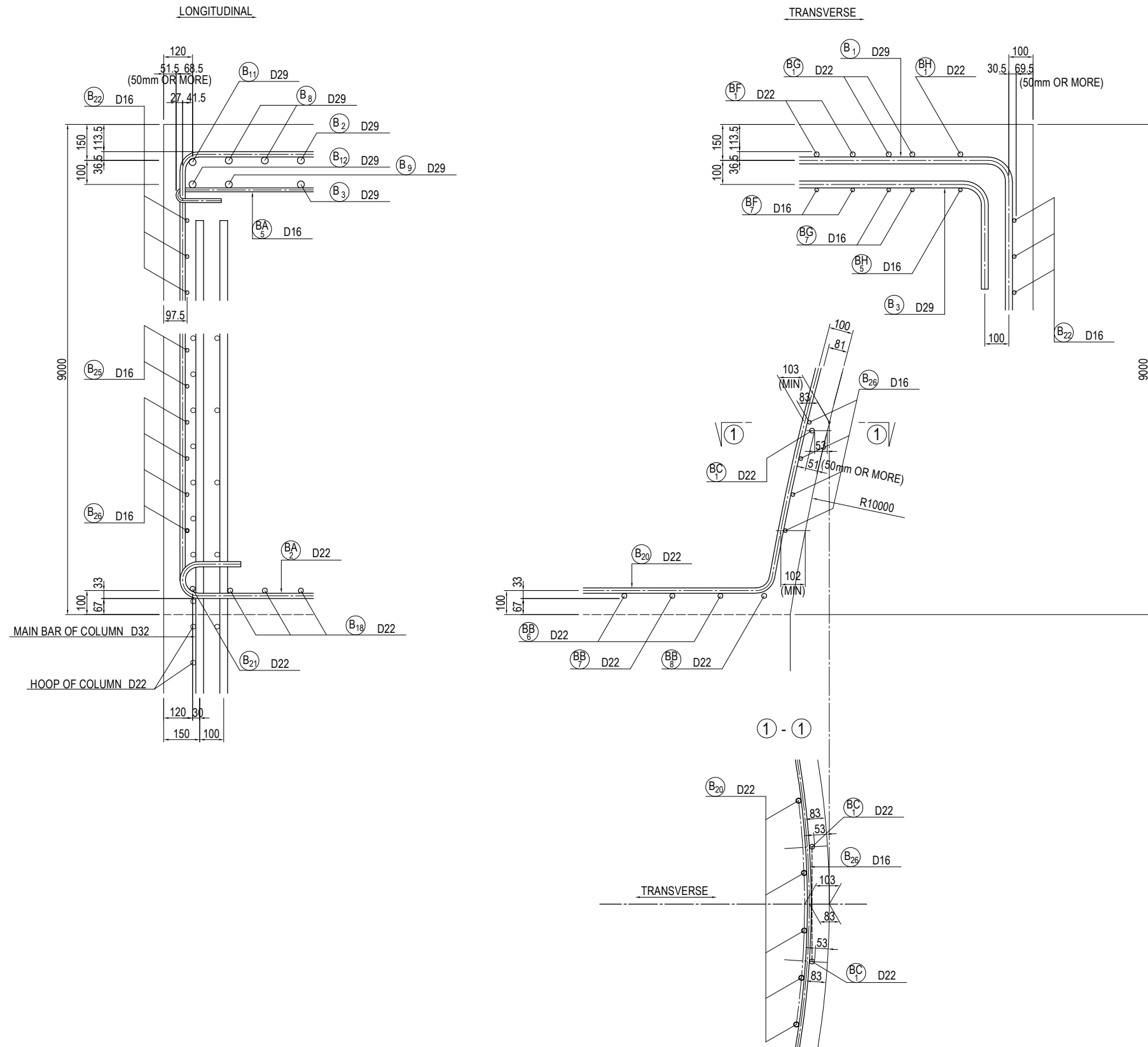
	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P13 PIER (7)	<small>PACKAGE</small> 1 DWG No. P1-CS-2309
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P13 PIER (8) S=1:20

BEAM

DETAIL OF BEAM



USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (8)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2310

BAR ARRANGEMENT OF P13 PIER (9) S=1:100 BEAM

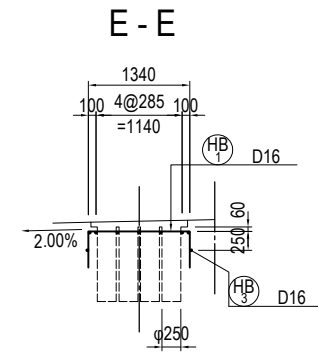
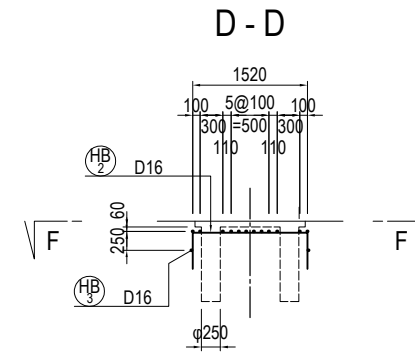
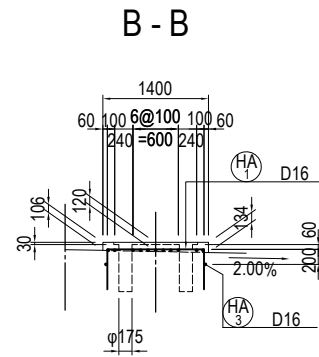
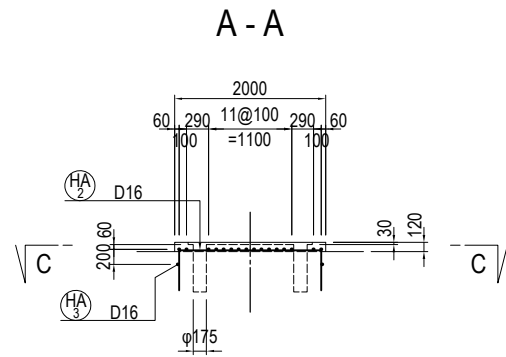
BAR ARRANGEMENT OF BEARING BASE

< G1 ~ G4 >

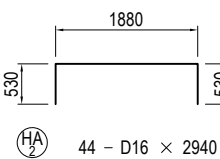
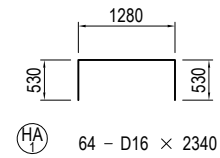
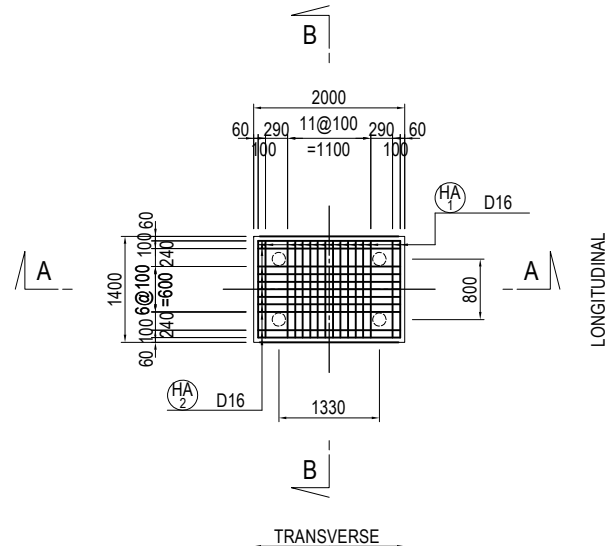
SECTION

< CL >

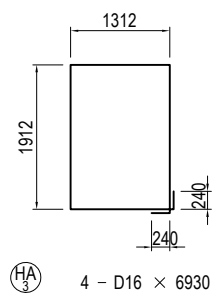
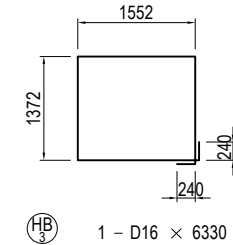
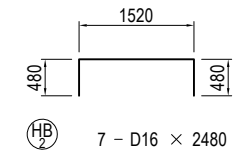
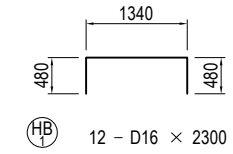
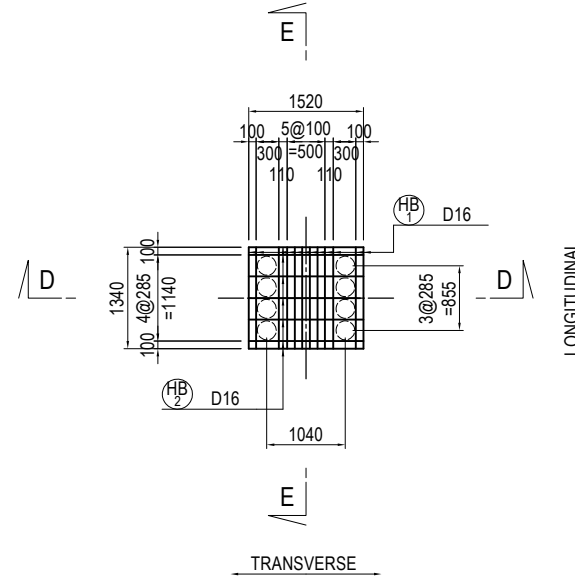
SECTION



PLAN
C - C



PLAN
F - F

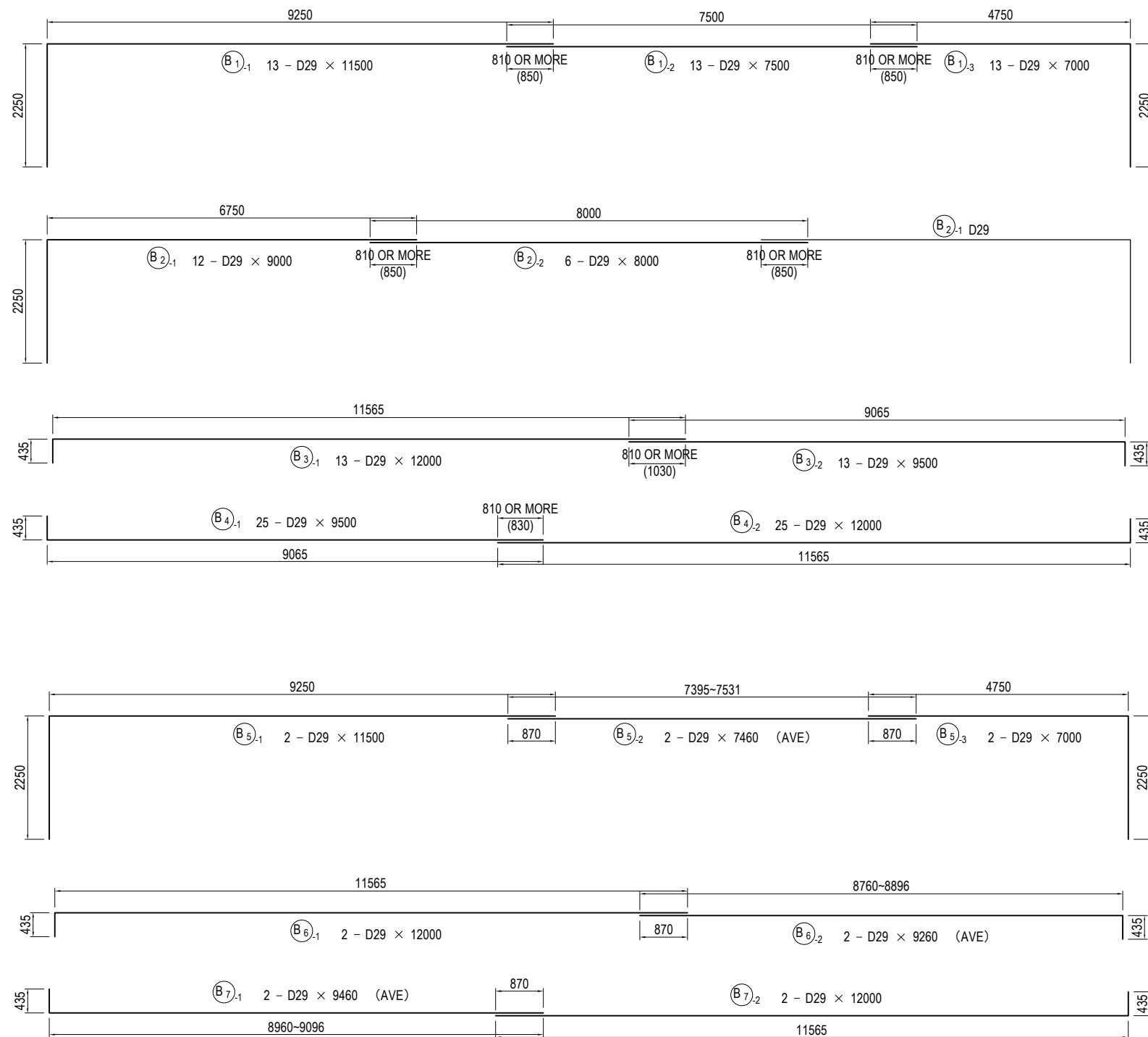


USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (9)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2311

BAR ARRANGEMENT OF P13 PIER (10) S=1:100 BEAM

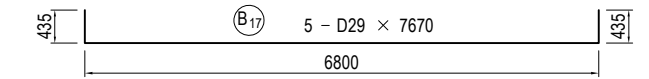
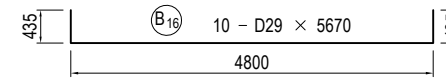
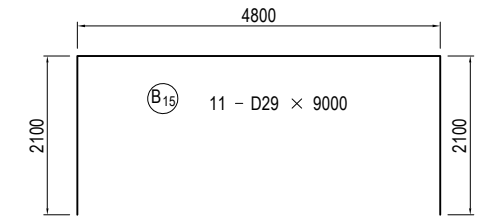
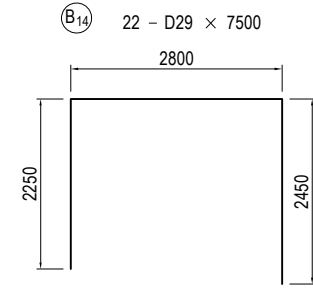
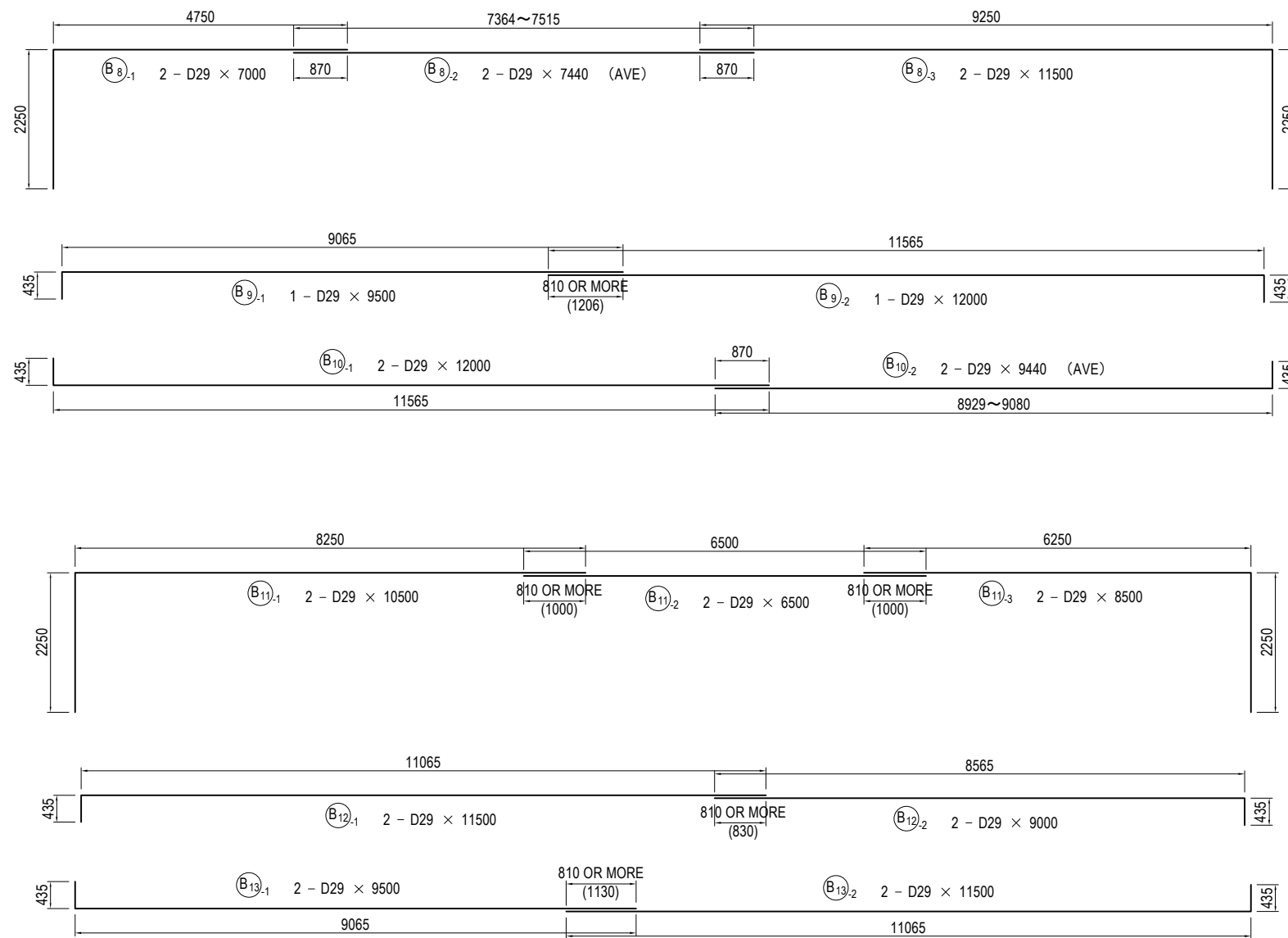


USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			BAR ARRANGEMENT OF P13 PIER (10)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-2312

BAR ARRANGEMENT OF P13 PIER (11) S=1:100 BEAM



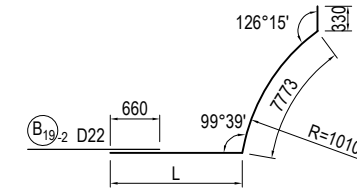
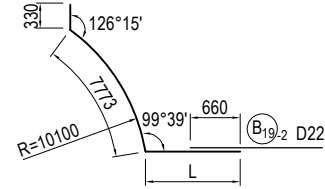
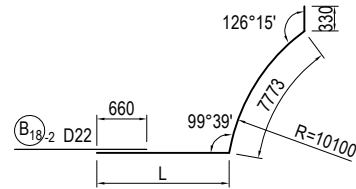
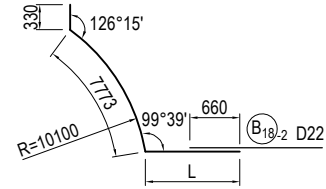
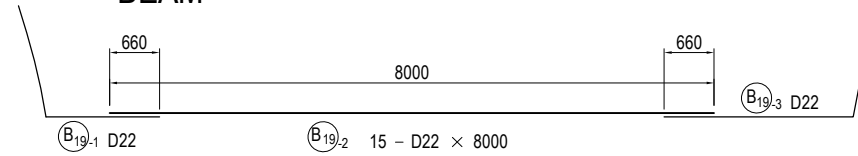
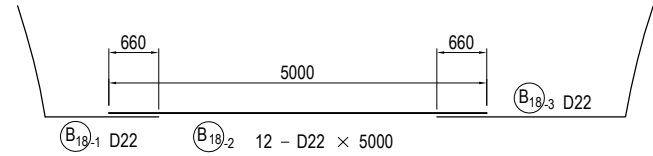
USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">DRAWING TITLE</th> <th style="text-align: left;">PACKAGE</th> </tr> <tr> <td style="text-align: center;">BAR ARRANGEMENT OF P13 PIER (11)</td> <td style="text-align: center;">1</td> </tr> <tr> <td></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td></td> <td style="text-align: center;">P1-CS-2313</td> </tr> </table>	DRAWING TITLE	PACKAGE	BAR ARRANGEMENT OF P13 PIER (11)	1		DWG No.		P1-CS-2313
NAME	SIGNATURE	DATE																							
PREPARED BY	T. TOMODA																								
CHECKED BY	T. HAYAKAWA																								
APPROVED BY	Y. SANO																								
DRAWING TITLE	PACKAGE																								
BAR ARRANGEMENT OF P13 PIER (11)	1																								
	DWG No.																								
	P1-CS-2313																								

BAR ARRANGEMENT OF P13 PIER (12) S=1:100

BEAM



B19-1 12 - D22 × 9790 (AVE)

B19-3 12 - D22 × 11070 (AVE)

B19-1 15 - D22 × 9440 (AVE)

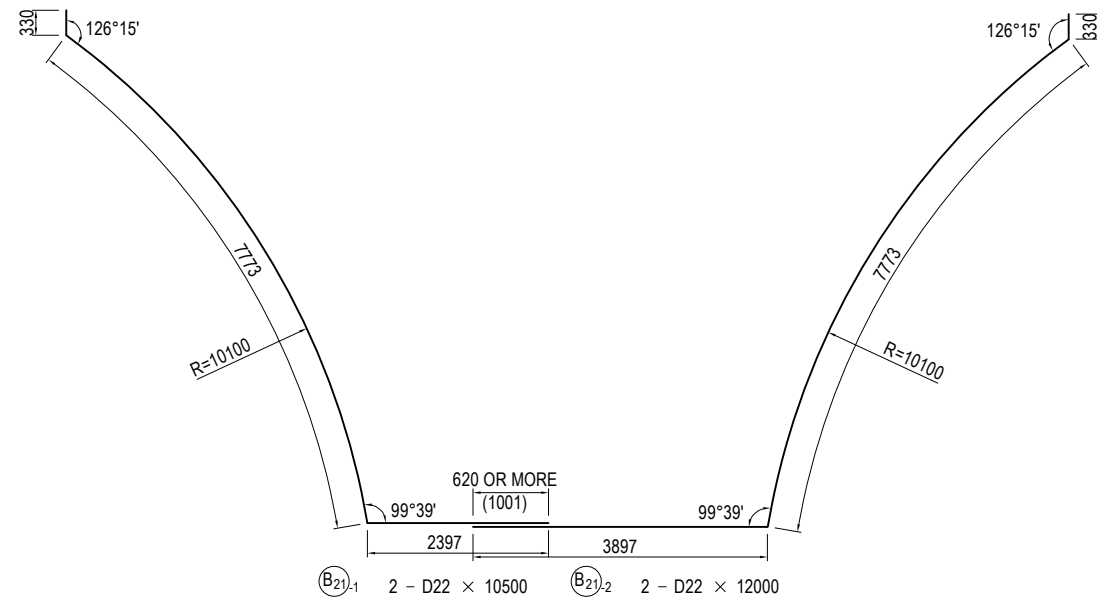
B19-3 15 - D22 × 10920 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B18-1 1	D22	1	948	9051
2	"	1	1366	9469
3	"	1	1696	9799
4	"	1	1948	10051
5	"	1	2162	10265
6	"	1	2367	10470
7	"	1	2208	10311
8	"	1	2028	10131
9	"	1	1820	9923
10	"	1	1577	9680
11	"	1	1280	9383
12	"	1	886	8989
AVE		12	1691	9794

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B18-3 1	D22	1	2228	10331
2	"	1	2646	10749
3	"	1	2976	11079
4	"	1	3228	11331
5	"	1	3442	11545
6	"	1	3647	11750
7	"	1	3488	11591
8	"	1	3308	11411
9	"	1	3100	11203
10	"	1	2857	10960
11	"	1	2560	10663
12	"	1	2166	10269
AVE		12	2971	11074

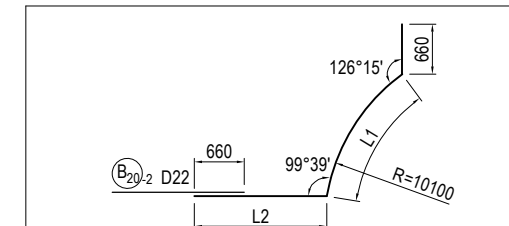
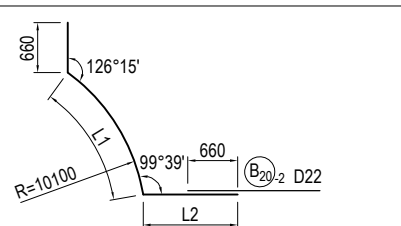
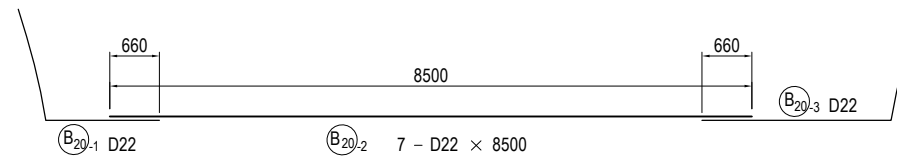
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B19-1 1	D22	1	873	8976
2	"	1	1120	9223
3	"	1	1320	9423
4	"	1	1480	9583
5	"	1	1607	9710
6	"	1	1695	9798
7	"	1	1709	9812
8	"	1	1632	9735
9	"	1	1535	9638
10	"	1	1399	9502
11	"	1	1343	9446
12	"	1	1252	9355
13	"	1	1149	9252
14	"	1	1035	9138
15	"	1	908	9011
AVE		15	1337	9440

MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
B19-3 1	D22	1	2353	10456
2	"	1	2600	10703
3	"	1	2800	10903
4	"	1	2960	11063
5	"	1	3087	11190
6	"	1	3176	11279
7	"	1	3190	11293
8	"	1	3112	11215
9	"	1	3015	11118
10	"	1	2879	10982
11	"	1	2823	10926
12	"	1	2732	10835
13	"	1	2629	10732
14	"	1	2515	10618
15	"	1	2388	10491
AVE		15	2817	10920



B21-1 2 - D22 × 10500

B21-2 2 - D22 × 12000



B20-1 7 - D22 × 9850 (AVE)

B20-3 7 - D22 × 11430 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L1	LENGTH L2	TOTAL LENGTH ΣL
B20-1 1	D22	1	7740	1461	9861
2	"	1	7680	1510	9850
3	"	1	7651	1533	9844
4	"	1	7650	1534	9844
5	"	1	7664	1522	9846
6	"	1	7691	1501	9852
7	"	1	7721	1477	9858
AVE		7	7685	1505	9851

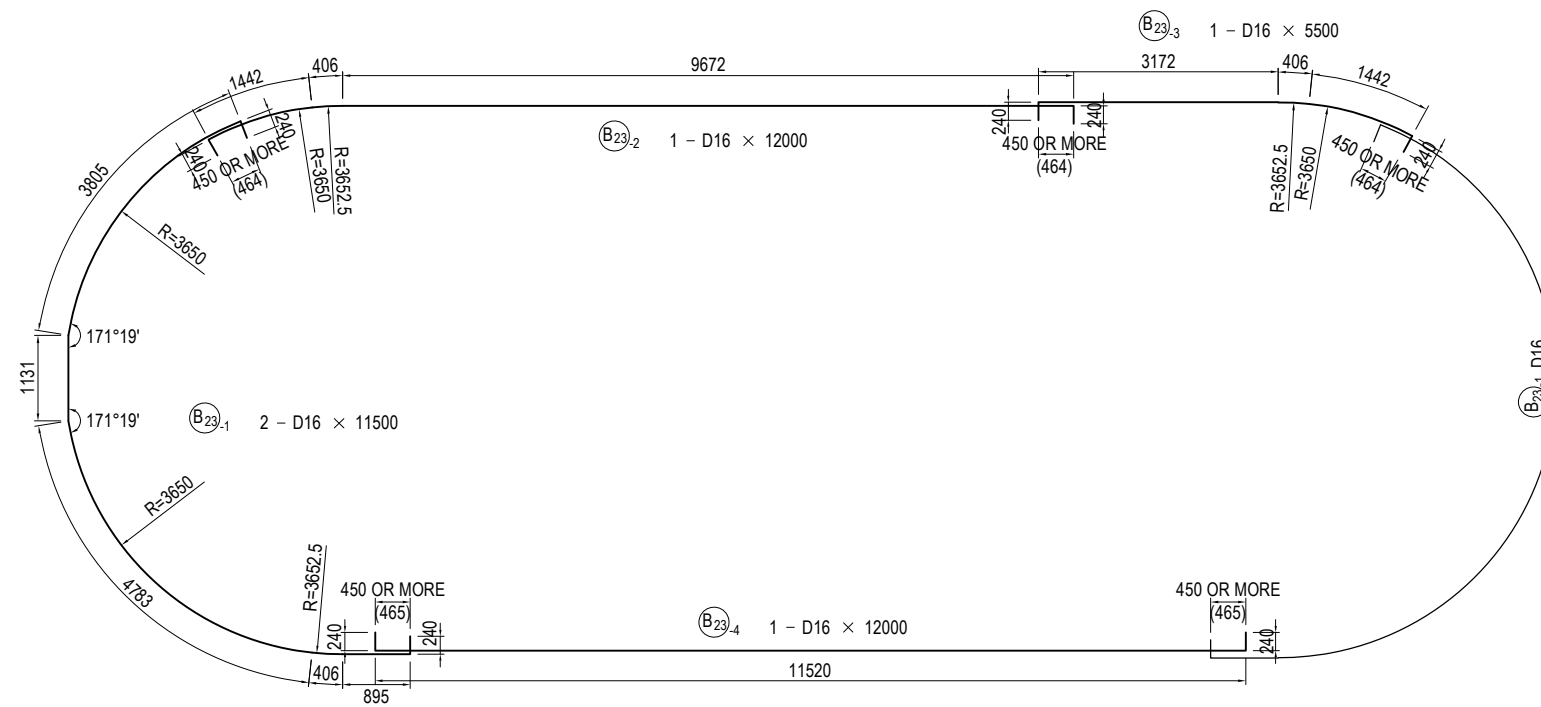
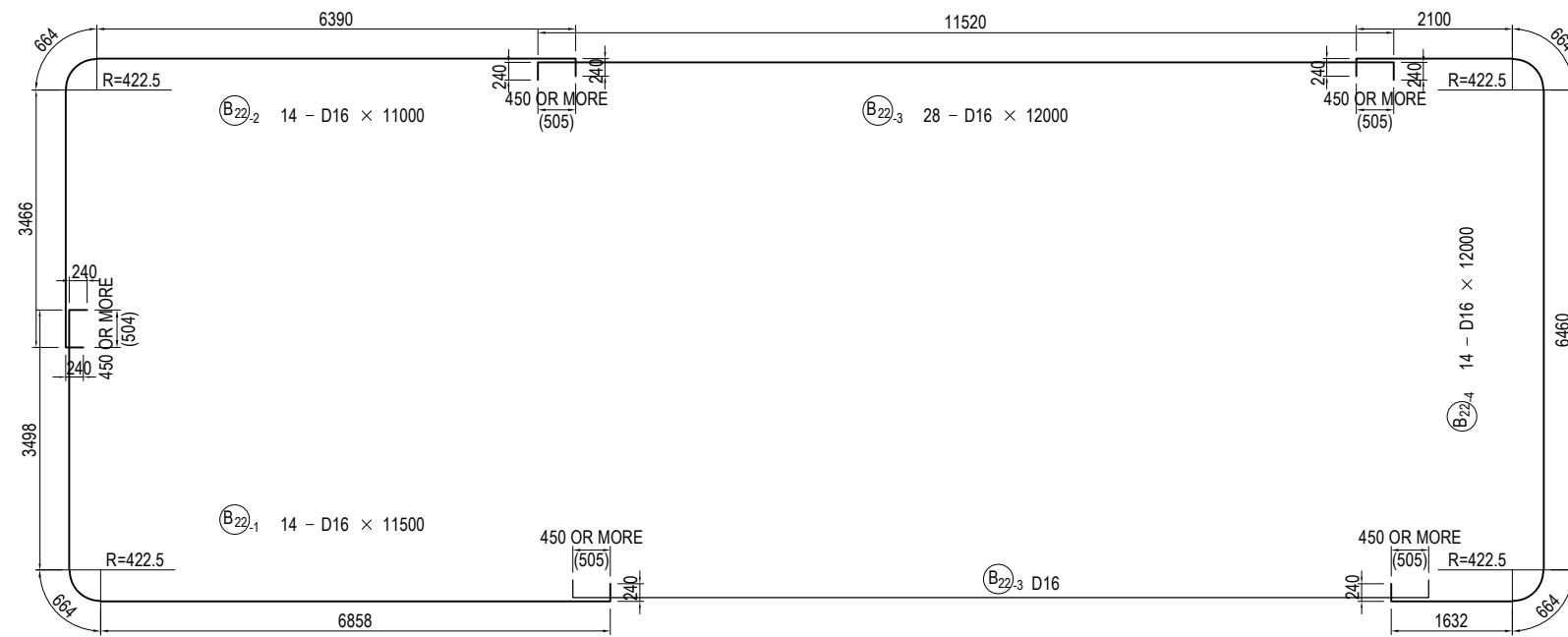
MARKS	DIA.	NOS. OF BARS	LENGTH L1	LENGTH L2	TOTAL LENGTH ΣL
B20-3 1	D22	1	7740	3041	11441
2	"	1	7680	3090	11430
3	"	1	7651	3113	11424
4	"	1	7650	3114	11424
5	"	1	7664	3102	11426
6	"	1	7691	3081	11432
7	"	1	7721	3057	11438
AVE		7	7685	3085	11431

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 PIER (13) S=1:100

BEAM



USE MATERIALS

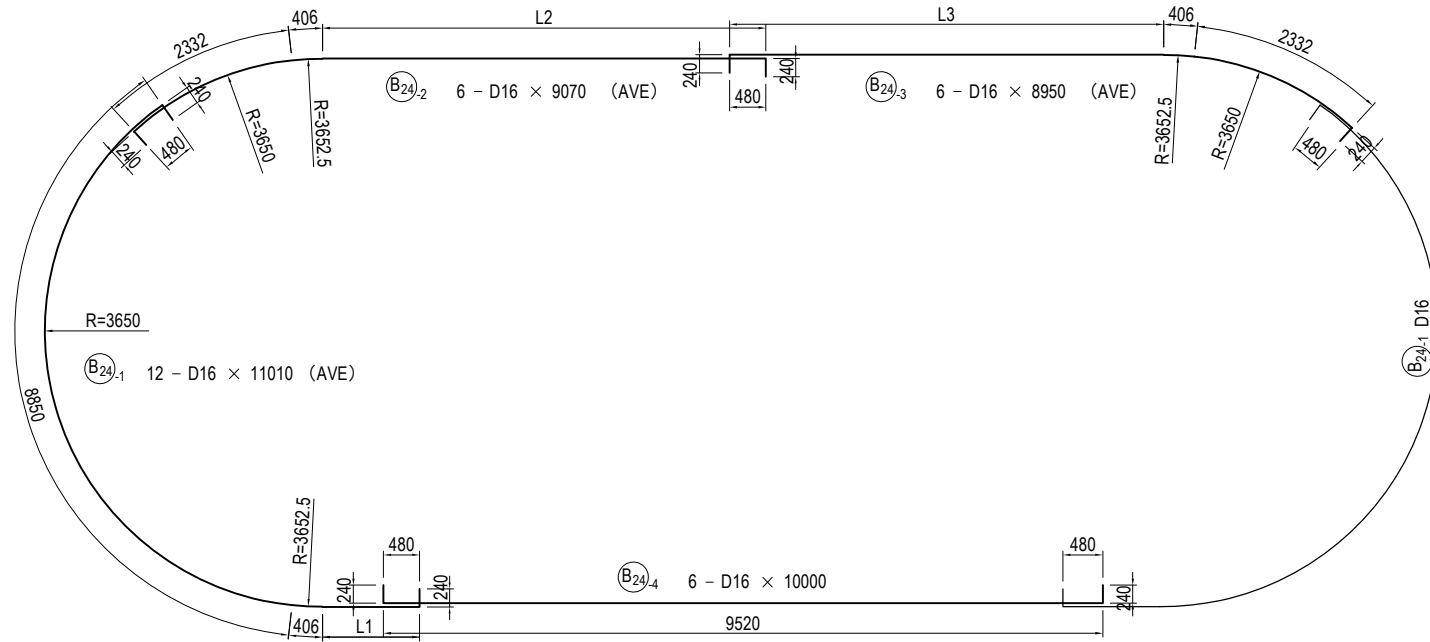
	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (13)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2315

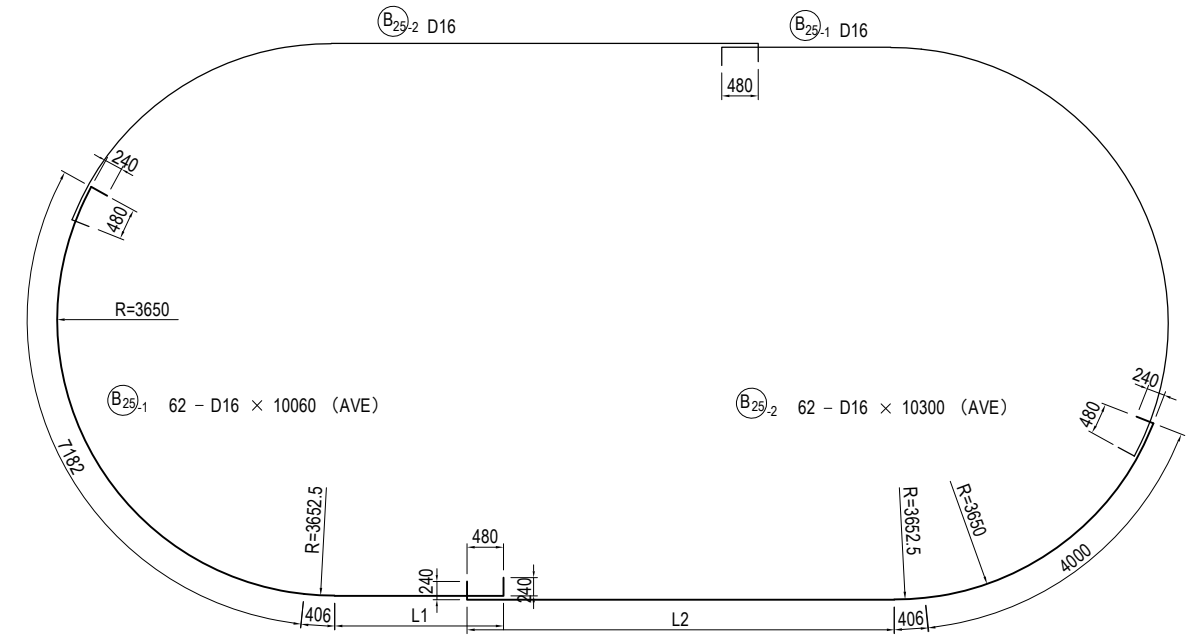
BAR ARRANGEMENT OF P13 PIER (14) S=1:100 BEAM

MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL	
B24-2	1	D16	1	6293	9511
2	"	1	6106	9324	
3	"	1	5927	9145	
4	"	1	5756	8974	
5	"	1	5593	8811	
6	"	1	5437	8655	
AVE		6	5852	9070	

MARKS	DIA.	NOS. OF BARS	LENGTH L3	TOTAL LENGTH ΣL	
B24-3	1	D16	1	6173	9391
2	"	1	5986	9204	
3	"	1	5807	9025	
4	"	1	5636	8854	
5	"	1	5473	8691	
6	"	1	5317	8535	
AVE		6	5732	8950	



MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	
B24-1	1	D16	2	1713	11449
2	"	2	1526	11262	
3	"	2	1347	11083	
4	"	2	1176	10912	
5	"	2	1013	10749	
6	"	2	857	10593	
AVE		12	1272	11008	

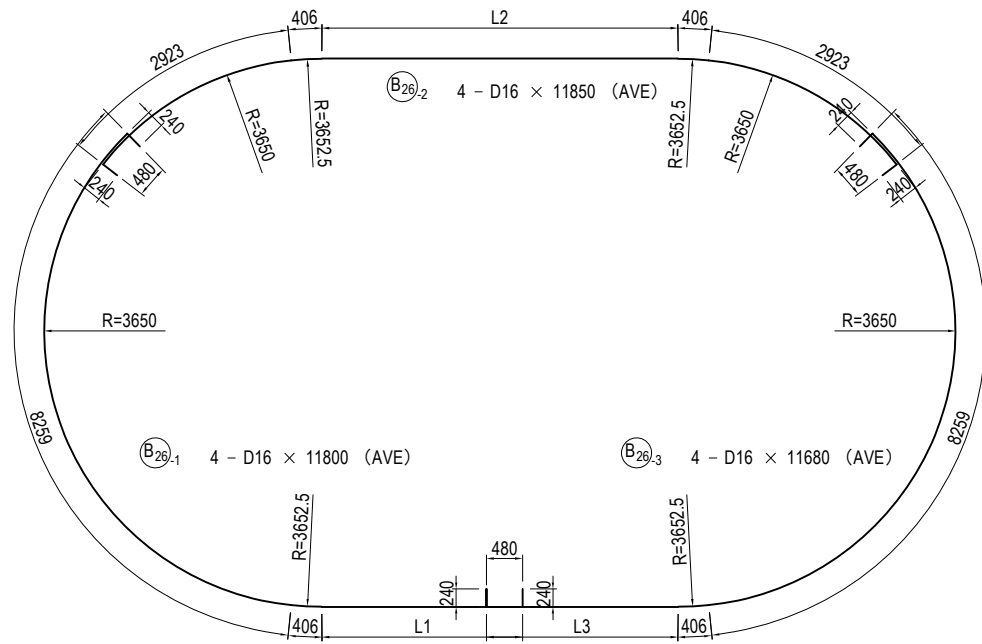


MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	
B25-1	1	D16	2	3518	11586
2	"	2	3374	11442	
3	"	2	3236	11304	
4	"	2	3104	11172	
5	"	2	2977	11045	
6	"	2	2854	10922	
7	"	2	2737	10805	
8	"	2	2624	10692	
9	"	2	2515	10583	
10	"	2	2410	10478	
11	"	2	2309	10377	
12	"	2	2213	10281	
13	"	2	2119	10187	
14	"	2	2030	10098	
15	"	2	1944	10012	
16	"	2	1861	9929	
17	"	2	1781	9849	
18	"	2	1705	9773	
19	"	2	1632	9700	
20	"	2	1562	9630	
21	"	2	1495	9563	
22	"	2	1430	9498	
23	"	2	1369	9437	
24	"	2	1310	9378	
25	"	2	1255	9323	
26	"	2	1201	9269	
27	"	2	1151	9219	
28	"	2	1103	9171	
29	"	2	1057	9125	
30	"	2	1015	9083	
31	"	2	974	9042	
AVE		62	1996	10064	

MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL	
B25-2	1	D16	2	6938	11824
2	"	2	6794	11680	
3	"	2	6656	11542	
4	"	2	6524	11410	
5	"	2	6397	11283	
6	"	2	6274	11160	
7	"	2	6157	11043	
8	"	2	6044	10930	
9	"	2	5935	10821	
10	"	2	5830	10716	
11	"	2	5729	10615	
12	"	2	5633	10519	
13	"	2	5539	10425	
14	"	2	5450	10336	
15	"	2	5364	10250	
16	"	2	5281	10167	
17	"	2	5201	10087	
18	"	2	5125	10011	
19	"	2	5052	9938	
20	"	2	4982	9868	
21	"	2	4915	9801	
22	"	2	4850	9736	
23	"	2	4789	9675	
24	"	2	4730	9616	
25	"	2	4675	9561	
26	"	2	4621	9507	
27	"	2	4571	9457	
28	"	2	4523	9409	
29	"	2	4477	9363	
30	"	2	4435	9321	
31	"	2	4394	9280	
AVE		62	5416	10302	

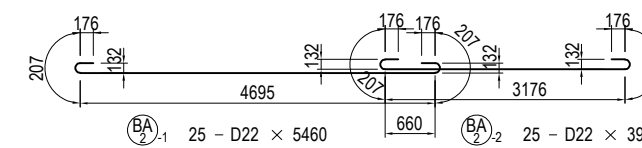
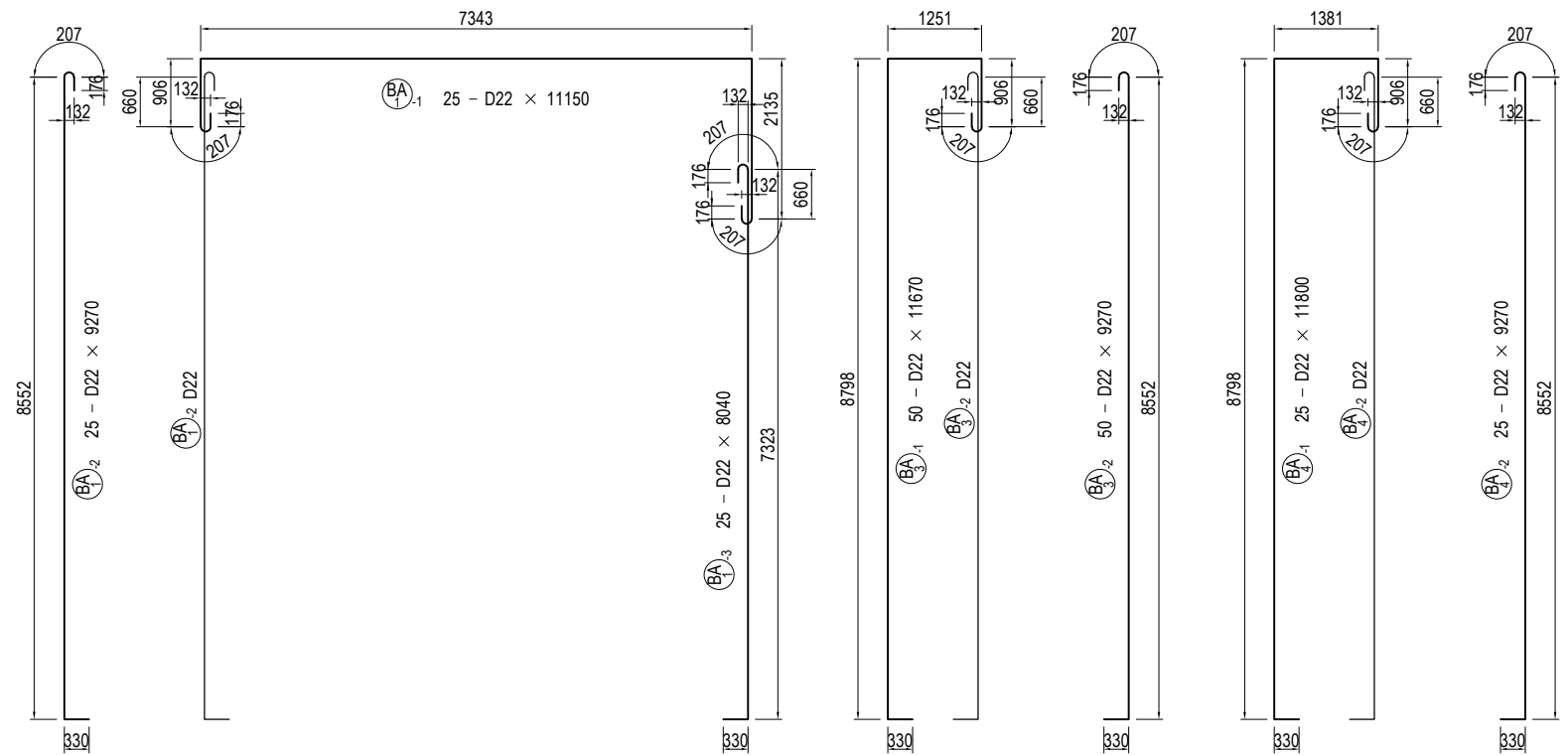
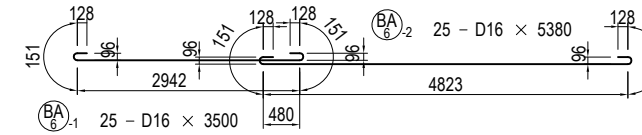
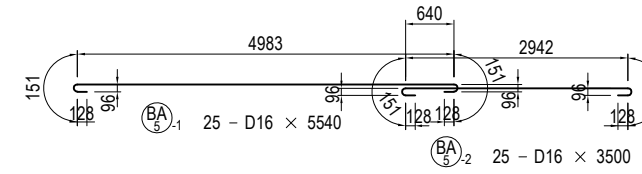
BAR ARRANGEMENT OF P13 PIER (15) S=1:100 BEAM

MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL
B26-2 1	D16	1	4813	11951
2	"	1	4742	11880
3	"	1	4676	11814
4	"	1	4614	11752
AVE		4	4711	11849



MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL
B26-1 1	D16	1	2706	11851
2	"	1	2671	11816
3	"	1	2638	11783
4	"	1	2607	11752
AVE		4	2656	11801

MARKS	DIA.	NOS. OF BARS	LENGTH L3	TOTAL LENGTH ΣL
B26-3 1	D16	1	2586	11731
2	"	1	2551	11696
3	"	1	2518	11663
4	"	1	2487	11632
AVE		4	2536	11681

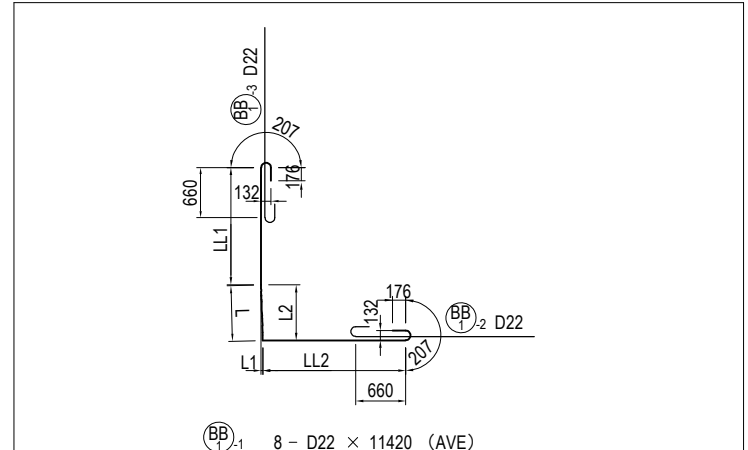
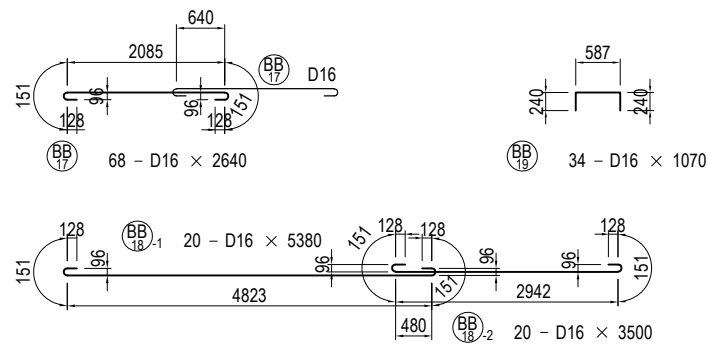
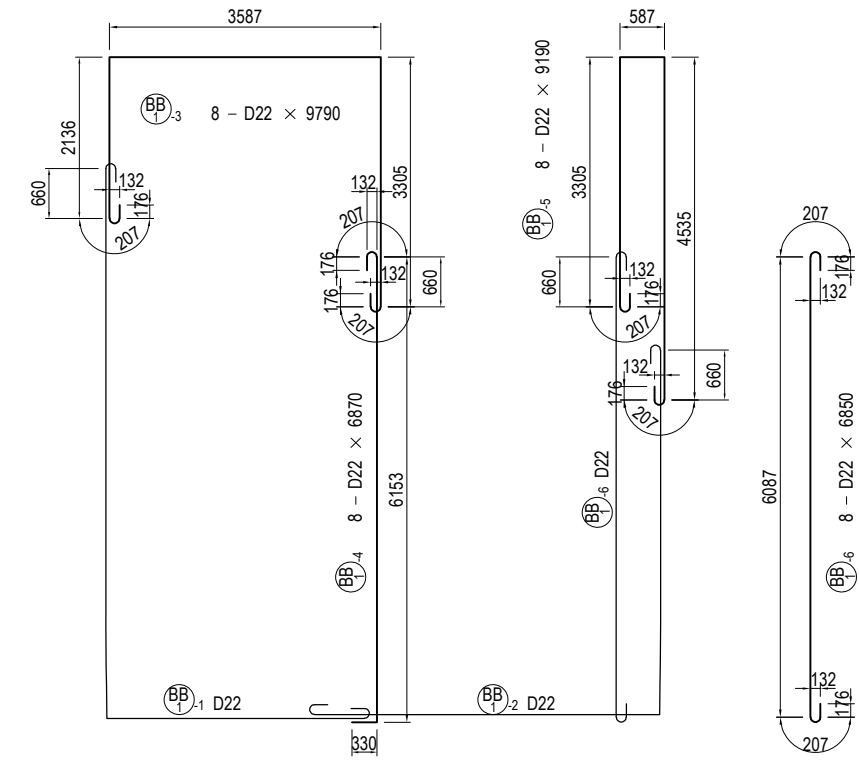
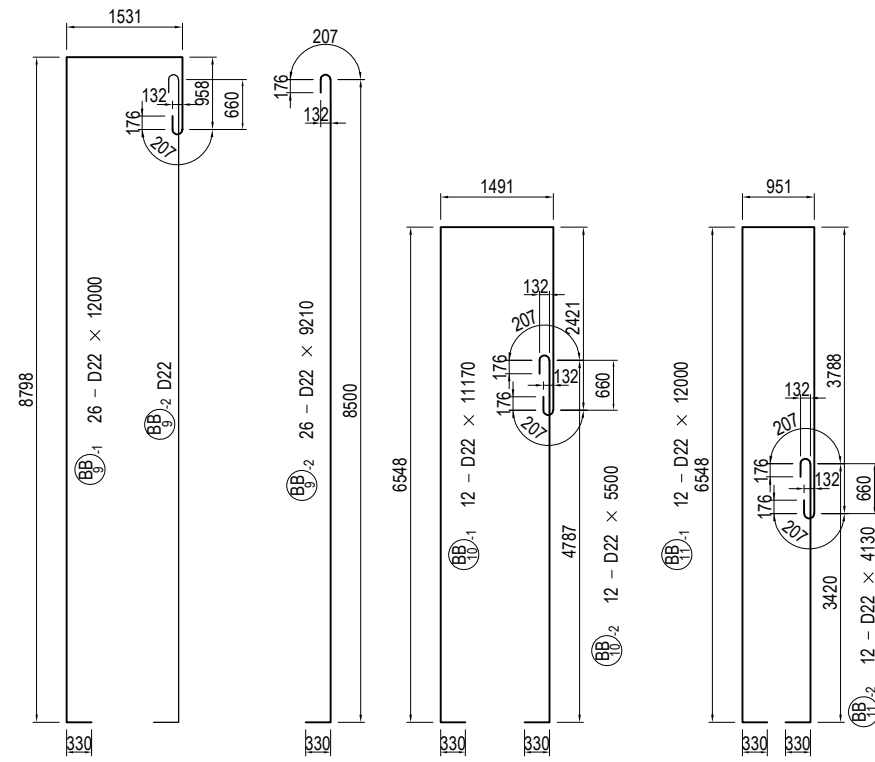


USE MATERIALS

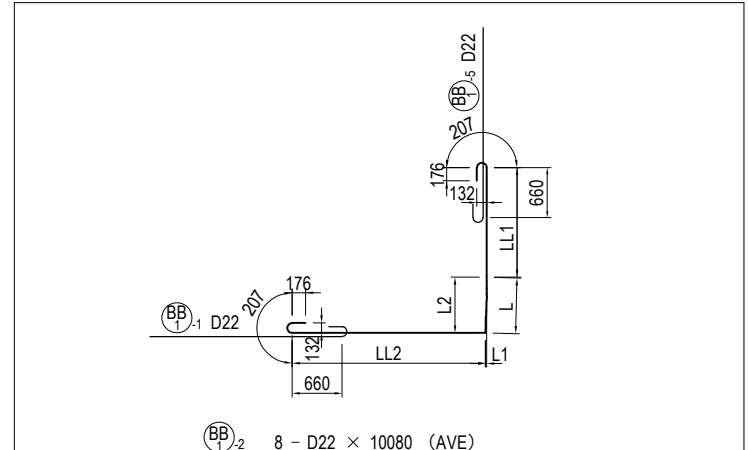
	CONCRETE	BAR
BEAM-COLUMN	σck = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (15)	PACKAGE 1 DWG No. P1-CS-2317
---	--	---	--	--	-------------------	--	---------------------------------------

BAR ARRANGEMENT OF P13 PIER (16) S=1:100 BEAM



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB1-1	D22	2	1472	15	1472	5850	3457	11545
2	"	2	2385	72	2384	4938	3399	11488
3	"	2	3125	145	3121	4200	3326	11417
4	"	2	4037	334	4022	3300	3137	11240
AVE		8	2755			4572	3330	11423

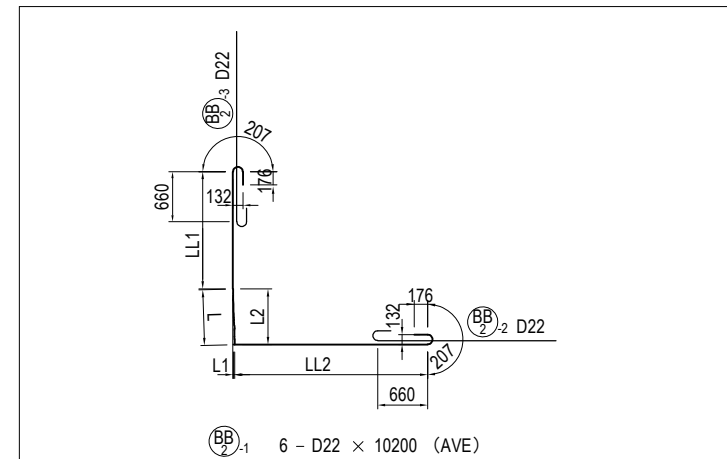
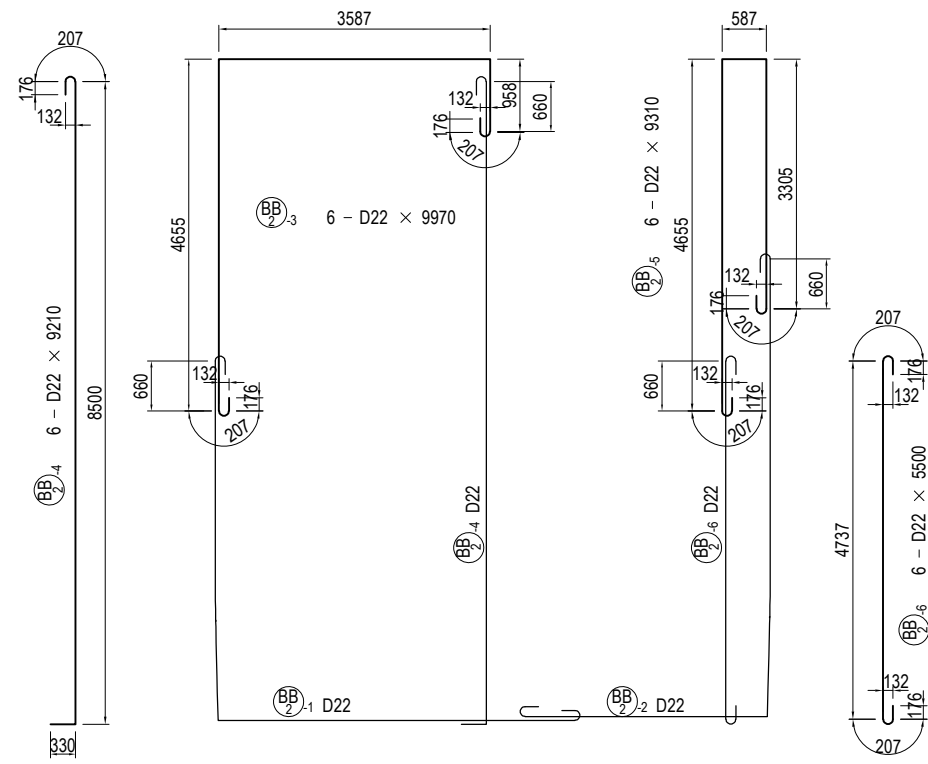


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB2-2	D22	2	1472	15	1472	3450	4517	10205
2	"	2	2385	72	2384	2538	4460	10149
3	"	2	3125	145	3121	1800	4386	10077
4	"	2	4037	334	4022	900	4198	9901
AVE		8	2755			2172	4390	10083

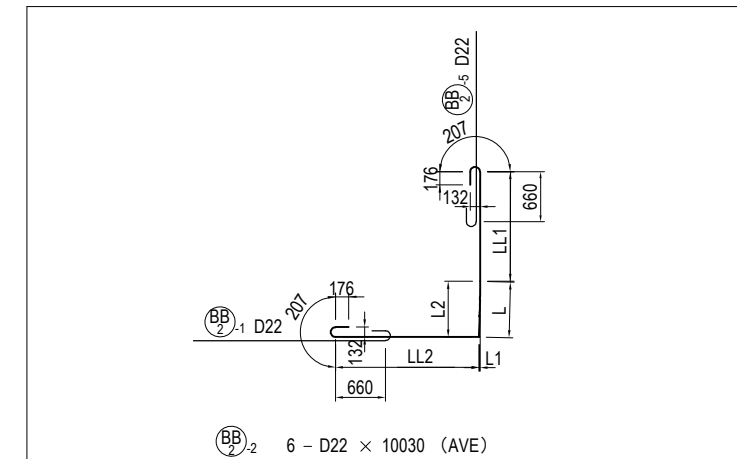
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

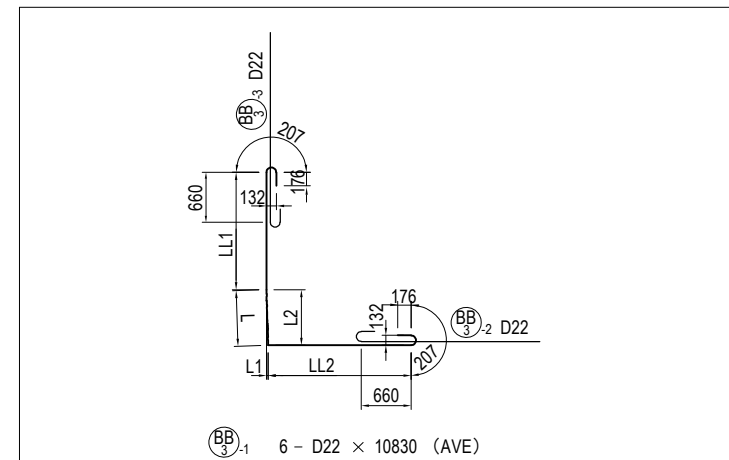
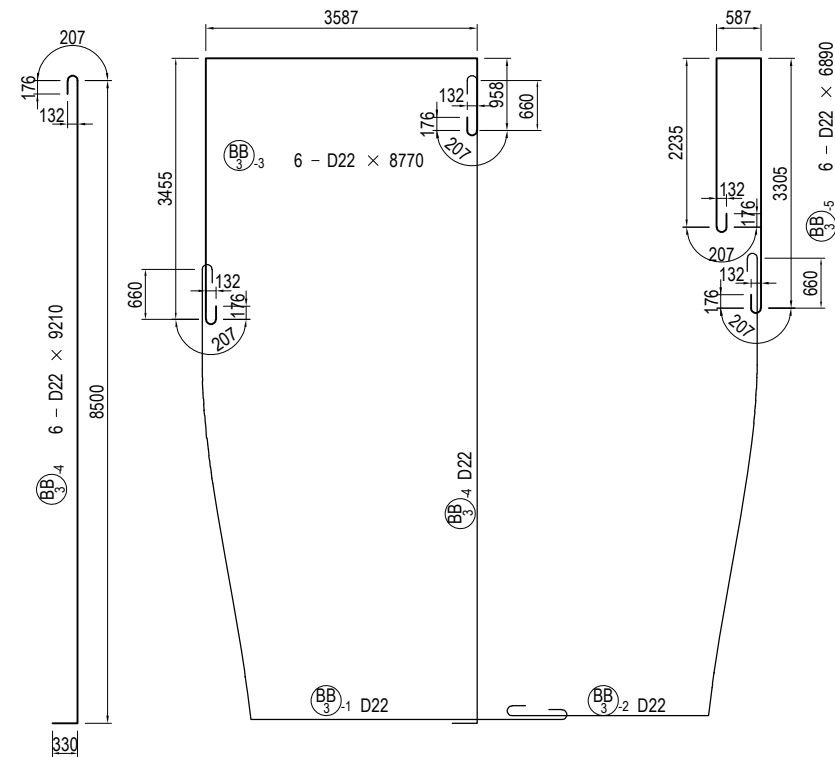
BAR ARRANGEMENT OF P13 PIER (17) S=1:100 BEAM



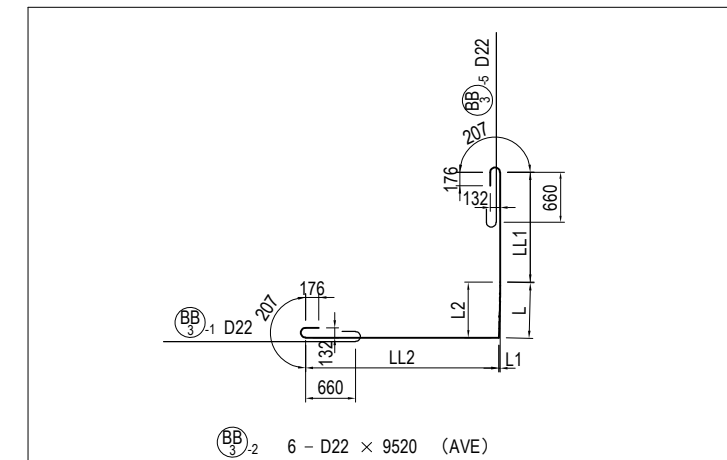
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB2-1	D22	2	1765	38	1765	3037	4723	10291
2	"	2	2838	117	2835	1967	4644	10215
3	"	2	3521	245	3511	1291	4516	10094
AVE		6	2708			2098	4628	10200



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB2-2	D22	2	1765	38	1765	4387	3203	10121
2	"	2	2838	117	2835	3317	3124	10045
3	"	2	3521	245	3511	2641	2996	9924
AVE		6	2708			3448	3108	10030



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB3-1	D22	2	4347	433	4322	1680	4298	11091
2	"	2	4826	681	4772	1230	4050	10872
3	"	2	5498	1111	5372	630	3620	10514
AVE		6	4890			1180	3989	10826

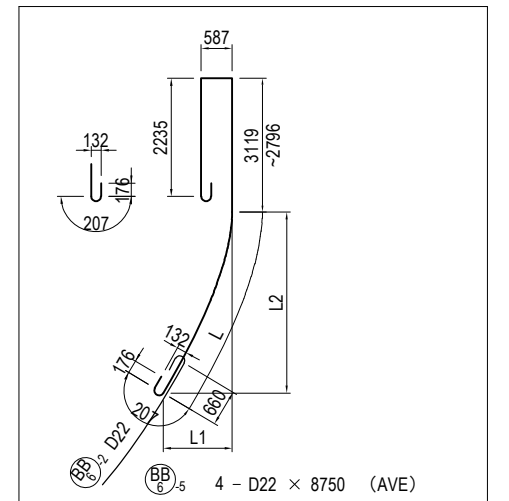
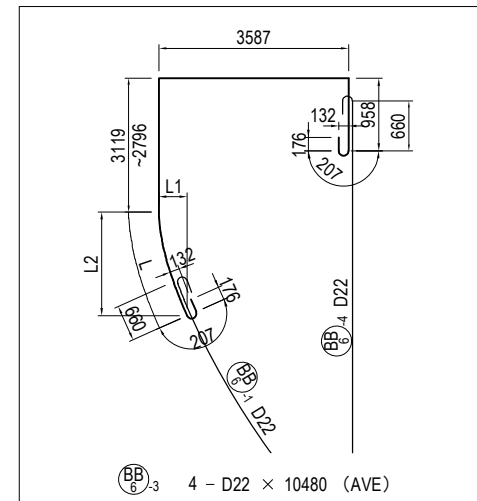
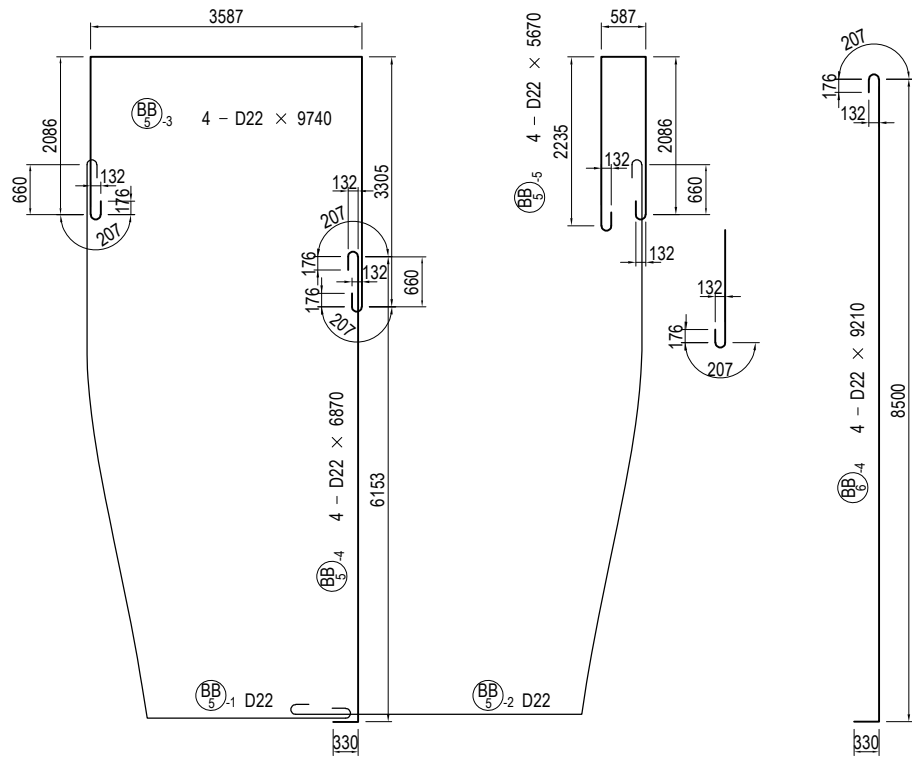
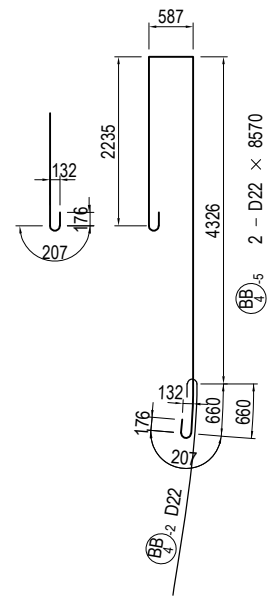
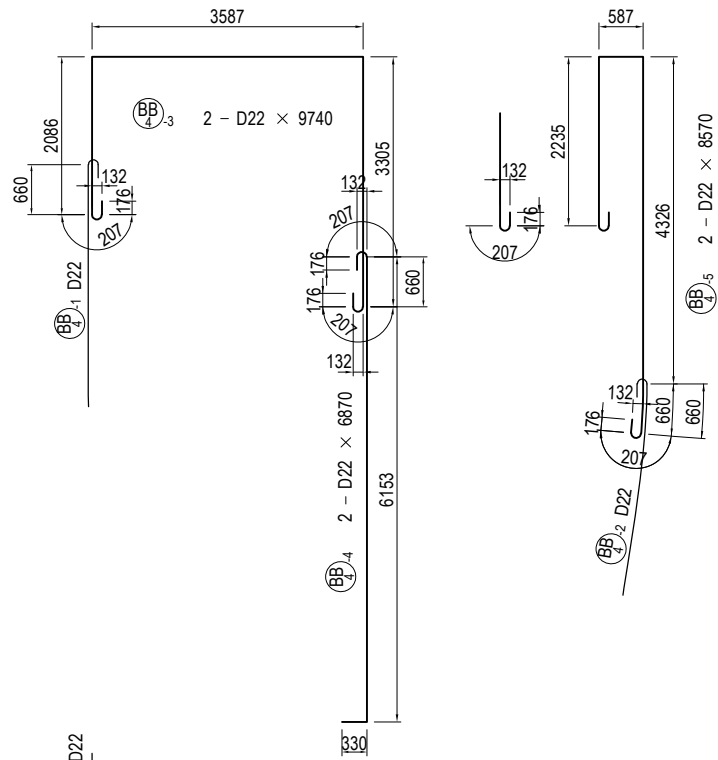


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL1	LENGTH LL2	TOTAL LENGTH ΣL
BB3-2	D22	2	4347	433	4322	1830	2838	9781
2	"	2	4826	681	4772	1380	2590	9562
3	"	2	5498	1111	5372	780	2160	9204
AVE		6	4890			1330	2529	9516

USE MATERIALS

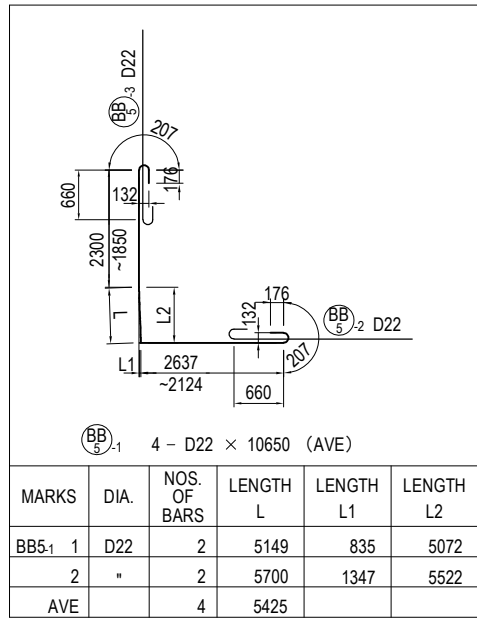
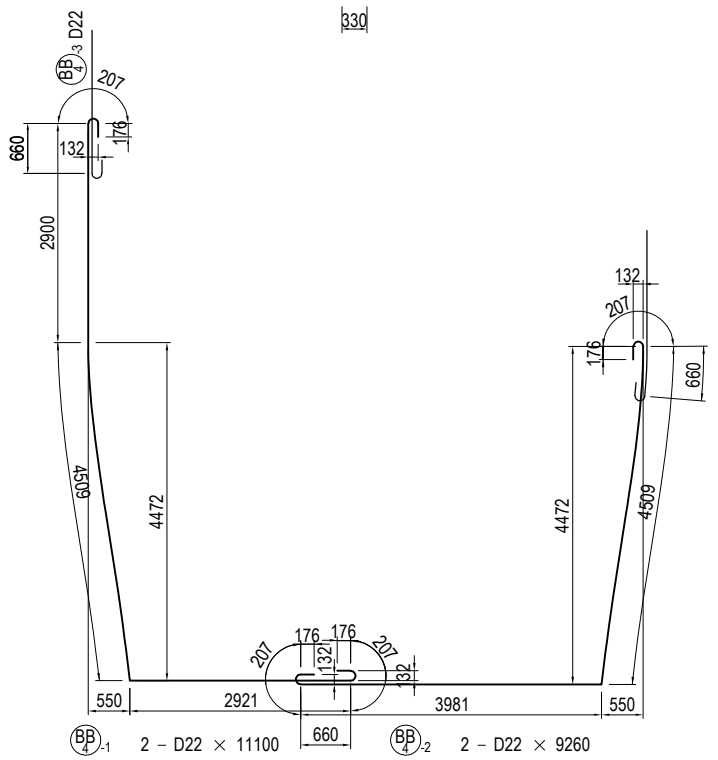
	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 PIER (18) S=1:100 BEAM

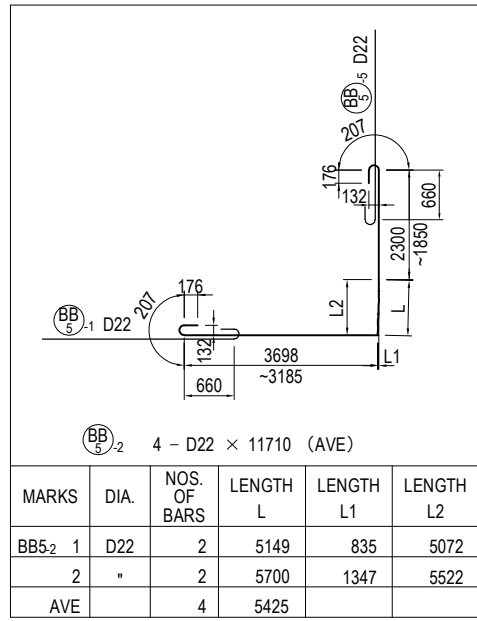


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB6-3 1	D22	2	2034	375	1962
2	"	2	2380	607	2288
AVE		4	2207		

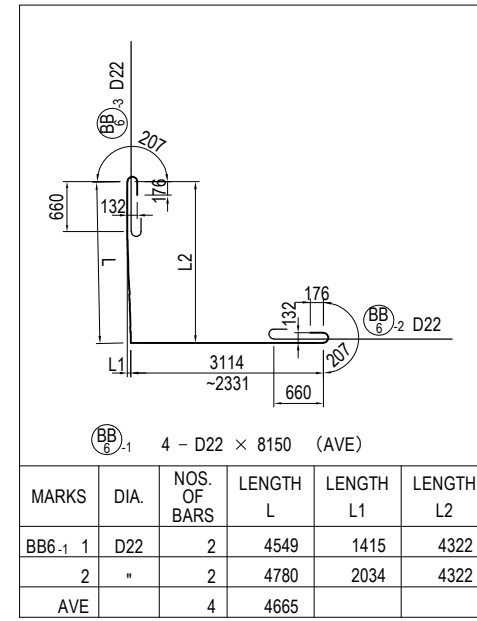
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB6-5 1	D22	2	2034	375	1962
2	"	2	2380	607	2288
AVE		4	2207		



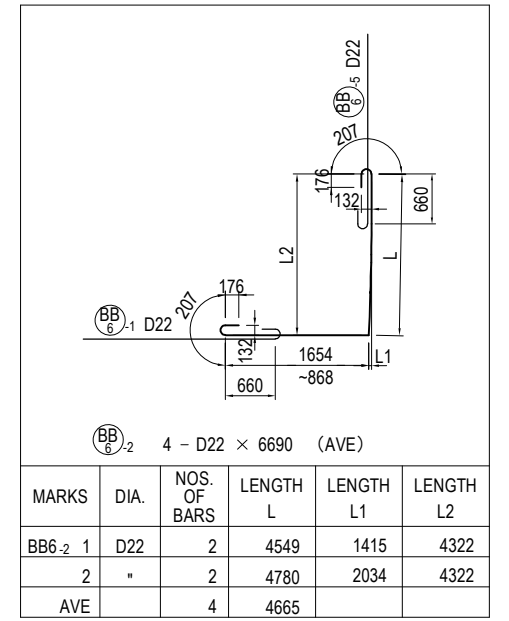
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB5-1 1	D22	2	5149	835	5072
2	"	2	5700	1347	5522
AVE		4	5425		



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB5-2 1	D22	2	5149	835	5072
2	"	2	5700	1347	5522
AVE		4	5425		



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB6-1 1	D22	2	4549	1415	4322
2	"	2	4780	2034	4322
AVE		4	4665		



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2
BB6-2 1	D22	2	4549	1415	4322
2	"	2	4780	2034	4322
AVE		4	4665		

USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

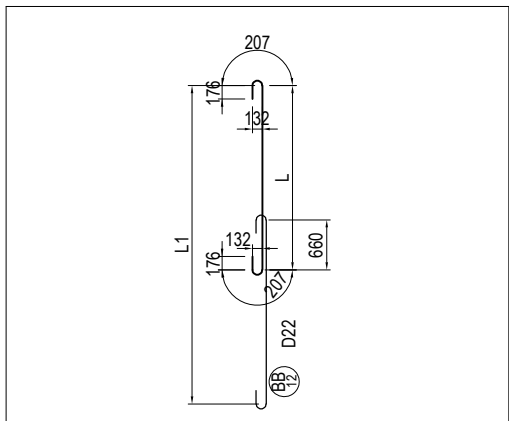
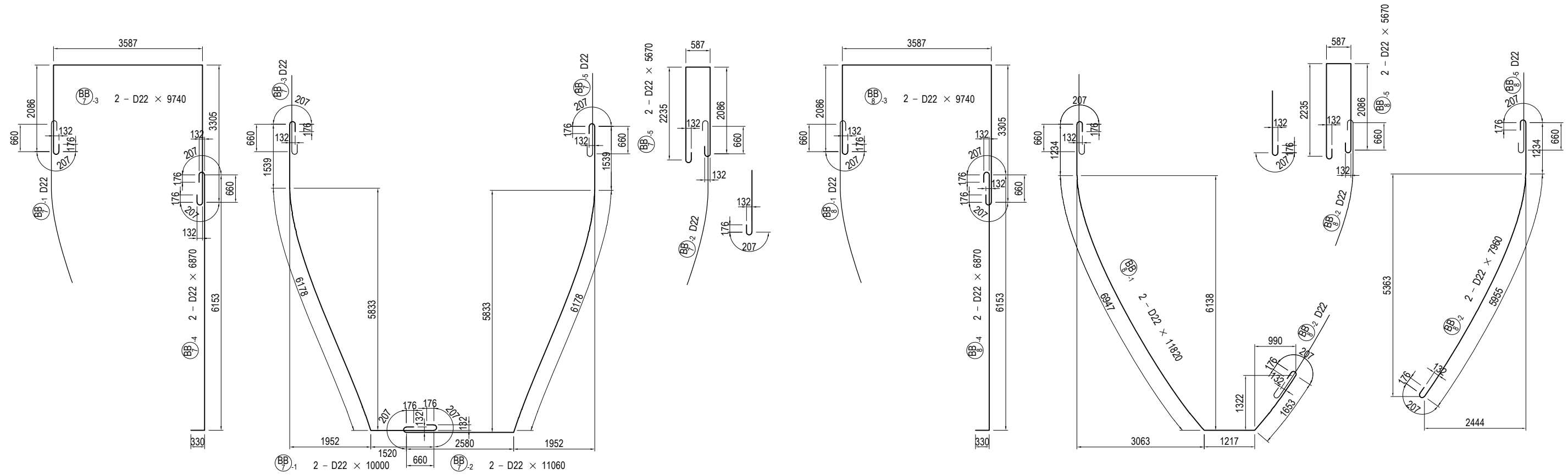
COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

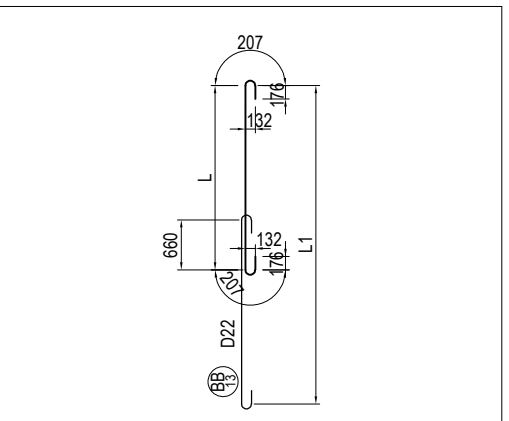
DRAWING TITLE	PACKAGE
BAR ARRANGEMENT OF P13 PIER (18)	1
	DWG No.
	P1-CS-2320

BAR ARRANGEMENT OF P13 PIER (19) S=1:100 BEAM



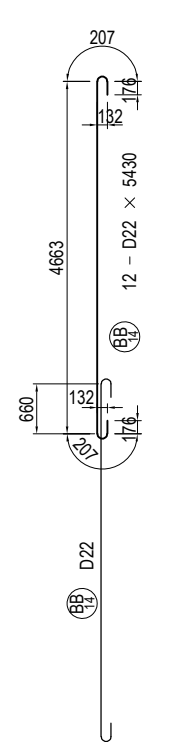
BB-12 24 - D22 x 3900 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BB12 1	D22	4	3538	6416	4304
2	"	4	3538	6416	4304
3	"	4	3538	6416	4304
4	"	4	3134	5608	3900
5	"	4	2650	4640	3416
6	"	4	2386	4112	3152
AVE		24	3131		3897

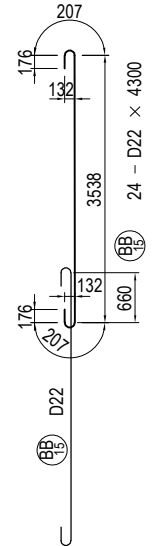


BB-13 20 - D22 x 4640 (AVE)

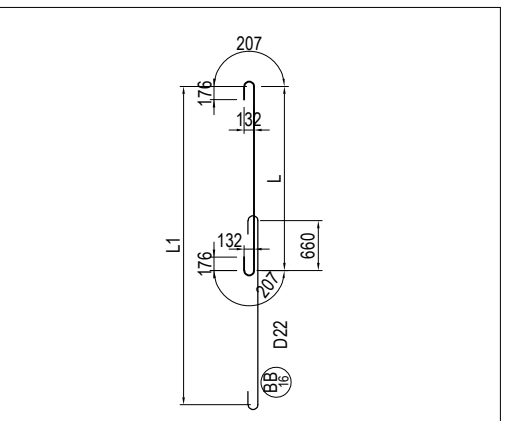
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BB13 1	D22	4	4215	7770	4981
2	"	4	3885	7109	4651
3	"	4	3616	6571	4382
4	"	4	3407	6153	4173
5	"	4	4247	7834	5013
AVE		20	3874		4640



BB-14 12 - D22 x 5430



BB-15 24 - D22 x 4300



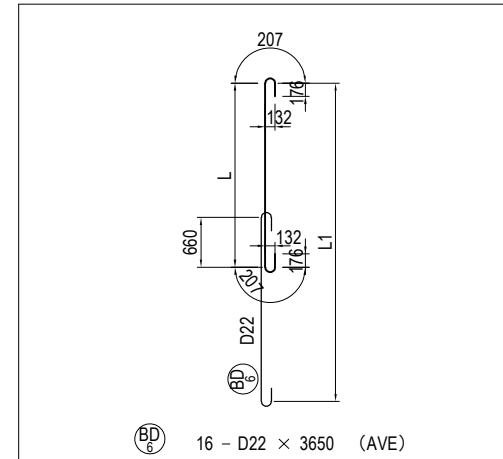
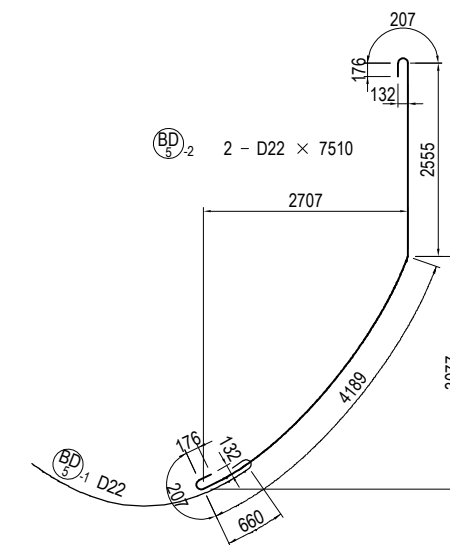
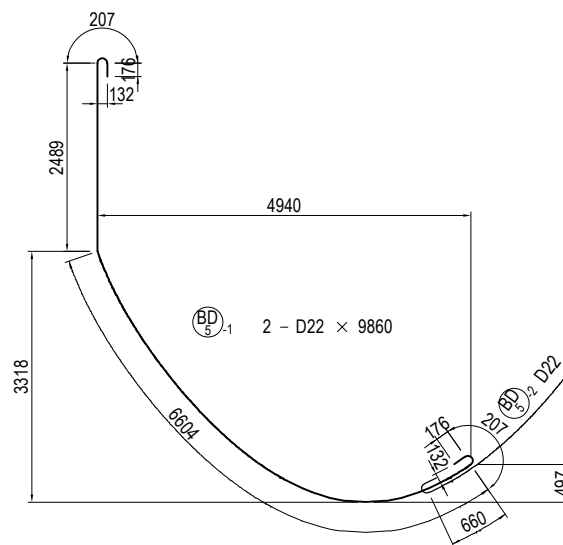
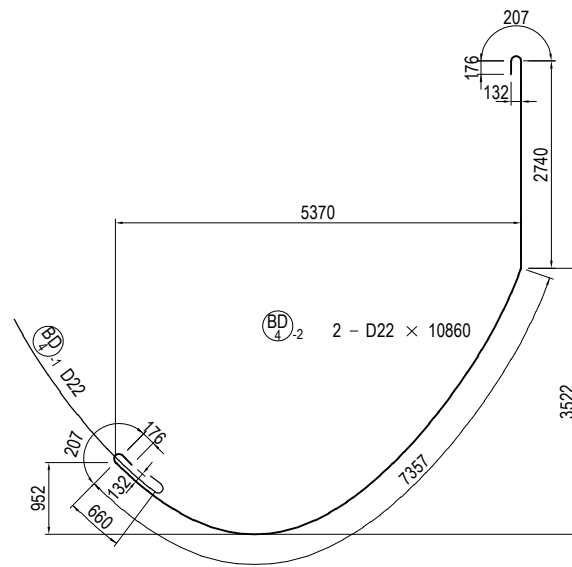
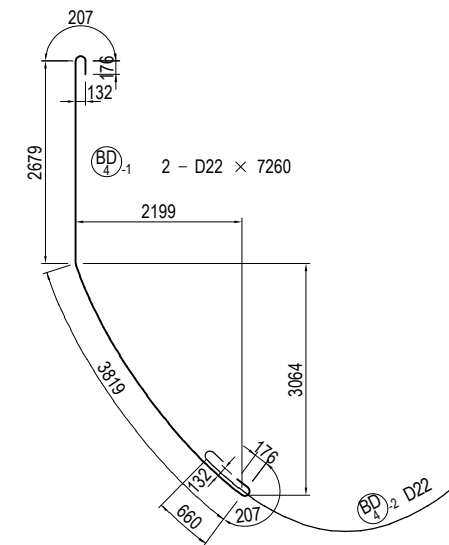
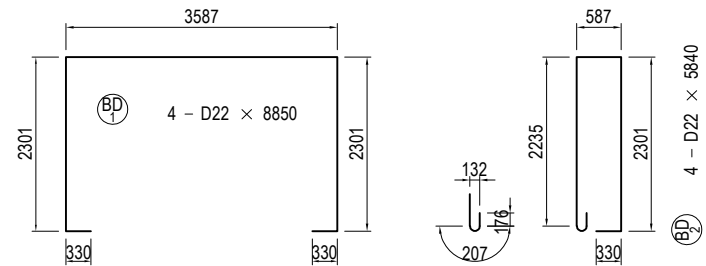
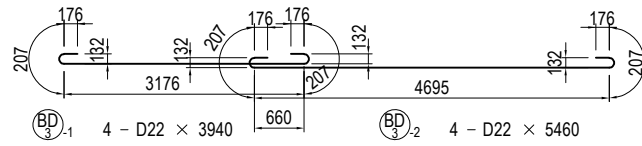
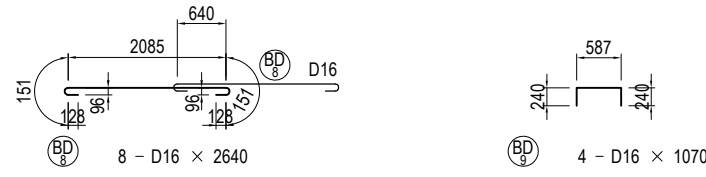
BB-16 32 - D22 x 3240 (AVE)

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BB16 1	D22	4	2169	3677	2935
2	"	4	3261	5862	4027
3	"	4	1975	3290	2741
4	"	4	2888	5116	3654
5	"	4	1799	2938	2565
6	"	4	3408	6155	4174
7	"	4	2647	4634	3413
8	"	4	1654	2647	2420
AVE		32	2475		3241

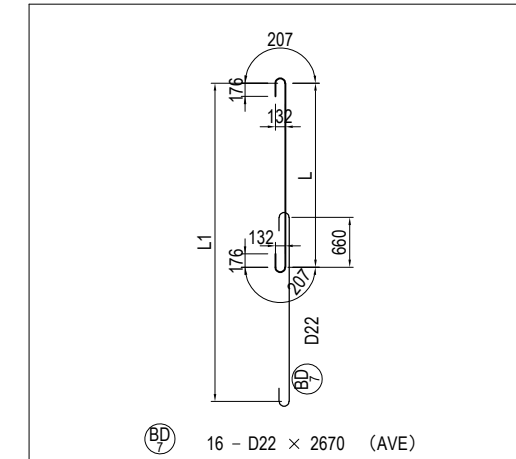
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 PIER (21) S=1:100 BEAM



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BD6 1	D22	4	2693	4726	3459
2	"	4	3312	5964	4078
3	"	4	2536	4411	3302
4	"	4	2996	5331	3762
AVE		16	2884		3650

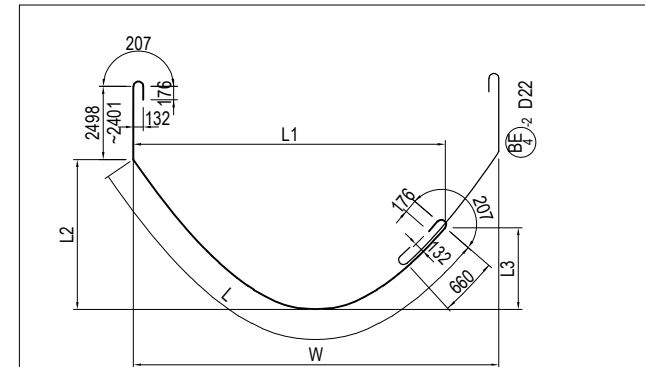
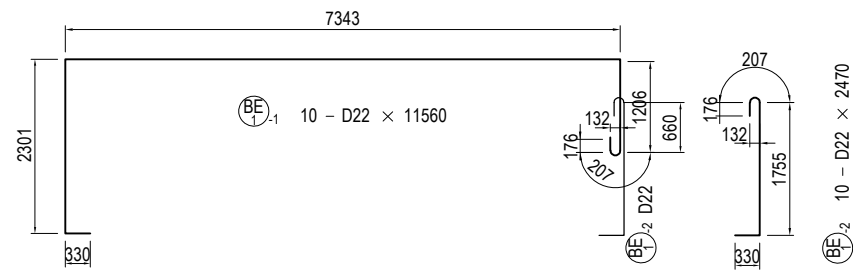
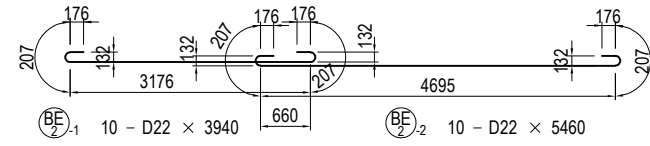
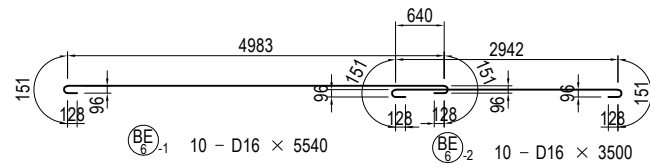


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BD7 1	D22	4	2205	3749	2971
2	"	4	1792	2923	2558
3	"	4	1987	3314	2753
4	"	4	1617	2573	2383
AVE		16	1900		2666

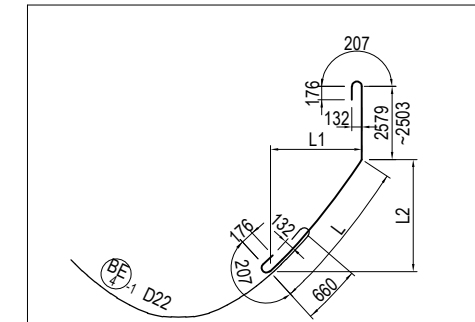
USE MATERIALS

	CONCRETE	BAR
BEAM • COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

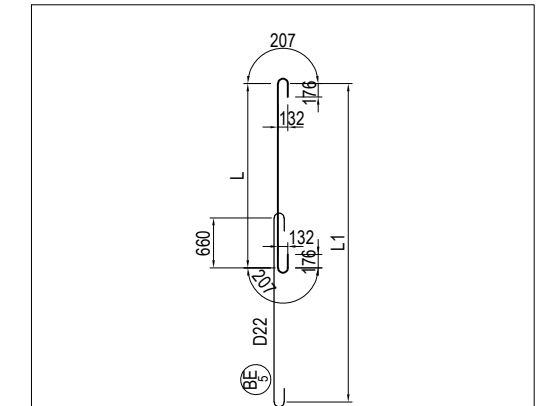
BAR ARRANGEMENT OF P13 PIER (22) S=1:100 BEAM



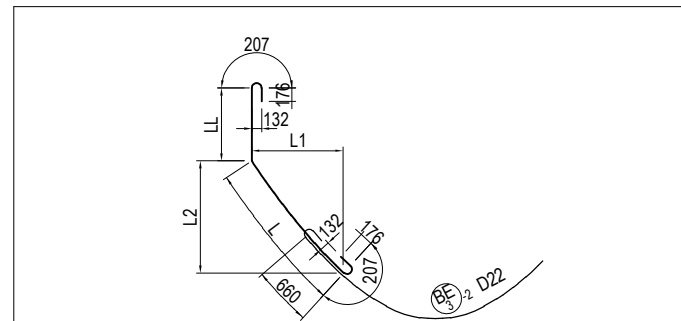
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH W	
BE4-1	1	D22	2	7626	6097	2546	1534	6752
	2	"	2	6359	5449	1982	874	6422
AVE			4	6993				



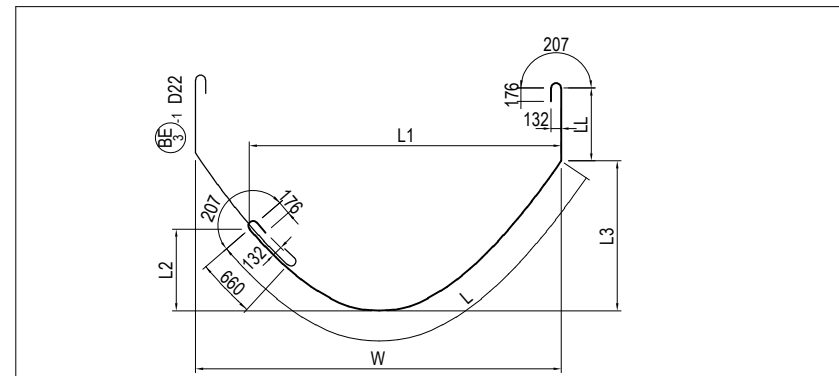
MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	
BE4-2	1	D22	2	1800	1113	1406
	2	"	2	2064	1514	1383
AVE			4	1932		



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL	
BE5	1	D22	4	2403	4146	3169
	2	"	4	2829	4998	3595
	3	"	4	2935	5210	3701
	4	"	4	2595	4529	3361
	5	"	4	2255	3850	3021
	6	"	4	2647	4633	3413
	7	"	4	2743	4825	3509
	8	"	4	2432	4204	3198
	9	"	4	2085	3510	2851
	10	"	4	2440	4220	3206
	11	"	4	2526	4392	3292
	12	"	4	2246	3832	3012
	13	"	4	2006	3351	2772
	14	"	4	2345	4029	3111
	15	"	4	2427	4193	3193
	16	"	4	2160	3659	2926
	17	"	4	1930	3199	2696
	18	"	4	2253	3846	3019
	19	"	4	2332	4003	3098
	20	"	4	2077	3493	2843
AVE			80	2383		3149



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL	
BE3-1	1	D22	2	1993	1055	1678	2346	5105
	2	"	2	2245	1509	1640	2278	5289
	3	"	2	2416	1825	1549	2294	5476
AVE			6	2218		2306	5290	

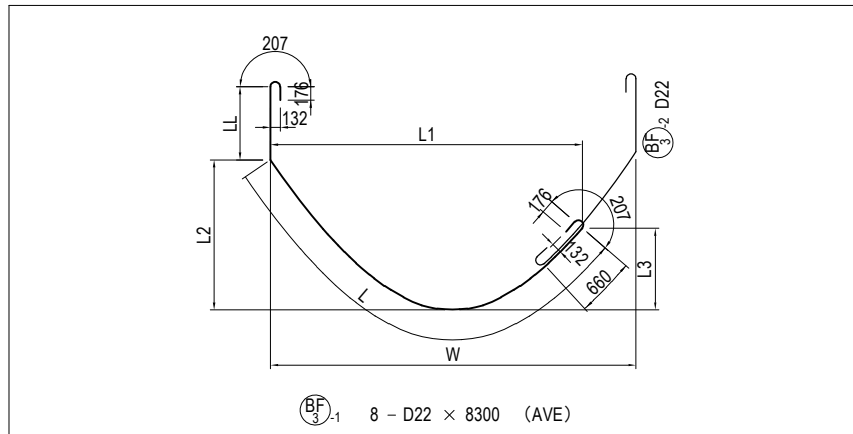
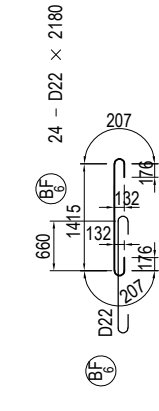
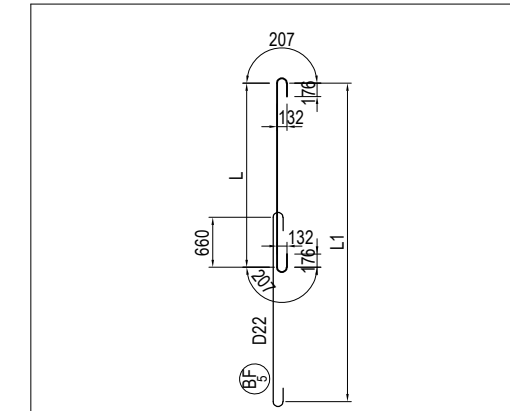
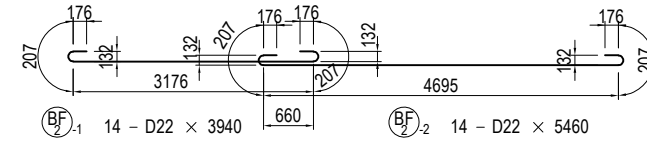
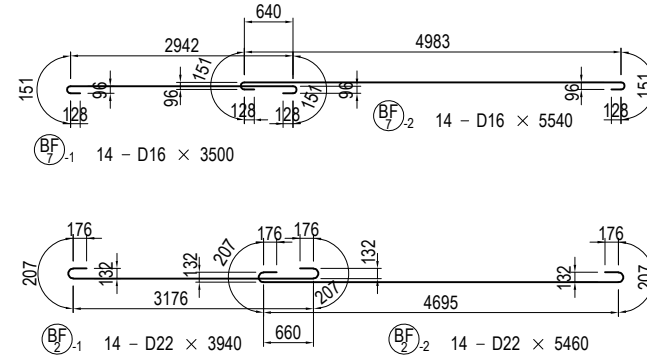
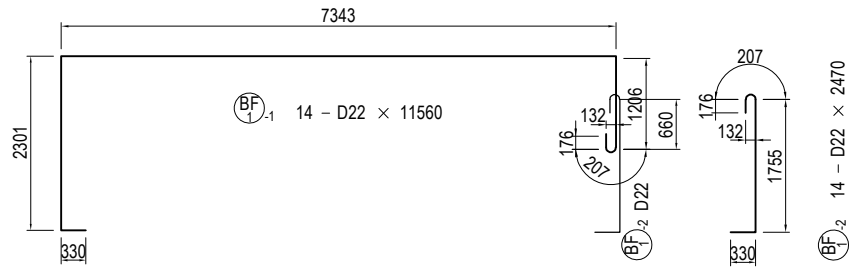


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL	
BE3-2	1	D22	2	8495	6430	1928	3036	2401	7072	11662
	2	"	2	6900	5756	1087	2243	2347	6752	10013
	3	"	2	5910	5166	679	1800	2389	6422	9065
AVE			6	7102			2379		10247	

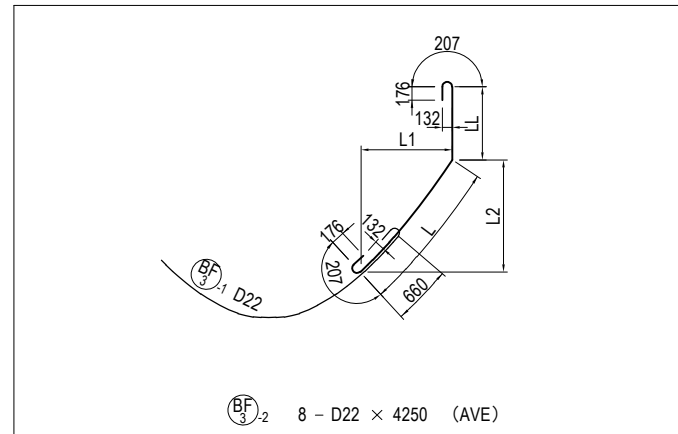
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σck = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 PIER (23) S=1:100 BEAM

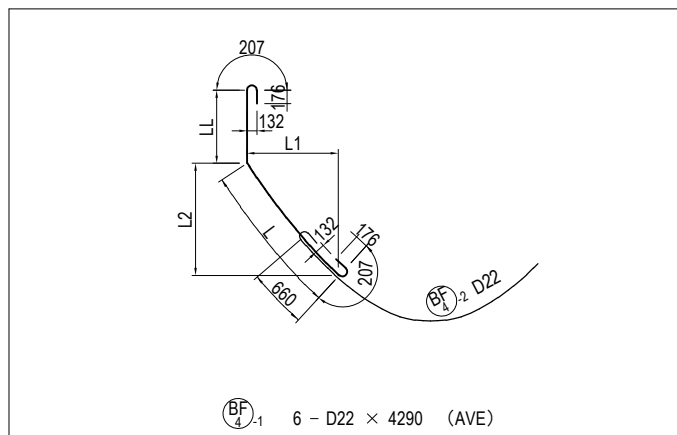


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL
BF3-1	D22	2	6817	5941	1613	1319	2337	6272	9920
2	"	2	5838	5315	1177	946	2378	5632	8982
3	"	2	4681	4439	814	485	2280	4732	7727
4	"	2	3485	3383	501	212	2321	3982	6572
AVE		8	5205				2329		8300

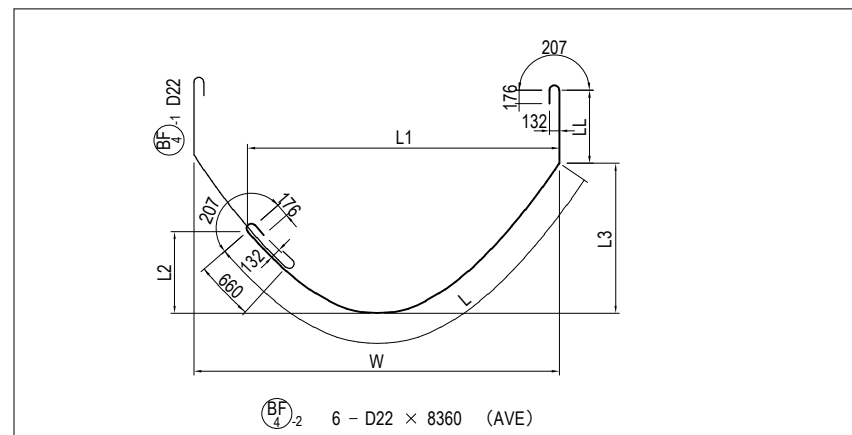


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL
BF3-2	D22	2	1155	825	805	2241	4162
2	"	2	1074	634	864	2344	4184
3	"	2	1002	907	421	2446	4214
4	"	2	1304	1240	391	2375	4445
AVE		8	1134			2352	4251

MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	TOTAL LENGTH ΣL
BF5	D22	4	1833	3005	2599
2	"	4	2139	3617	2905
3	"	4	2212	3763	2978
4	"	4	1972	3284	2738
5	"	4	1741	2822	2507
6	"	4	2030	3400	2796
7	"	4	2099	3538	2865
8	"	4	1873	3085	2639
9	"	4	1676	2691	2442
10	"	4	1953	3246	2719
11	"	4	2020	3379	2786
12	"	4	1803	2945	2569
13	"	4	1613	2565	2379
14	"	4	1879	3098	2645
15	"	4	1943	3225	2709
16	"	4	1734	2808	2500
17	"	4	1774	2888	2540
18	"	4	1798	2936	2564
19	"	4	1707	2754	2473
20	"	4	1731	2801	2497
21	"	4	1645	2629	2411
22	"	4	1665	2670	2431
AVE		88	1856		2622



MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH LL	TOTAL LENGTH ΣL
BF4-1	D22	2	1039	802	658	2350	4155
2	"	2	1221	1013	677	2268	4255
3	"	2	1418	1300	556	2267	4451
AVE		6	1226			2295	4287

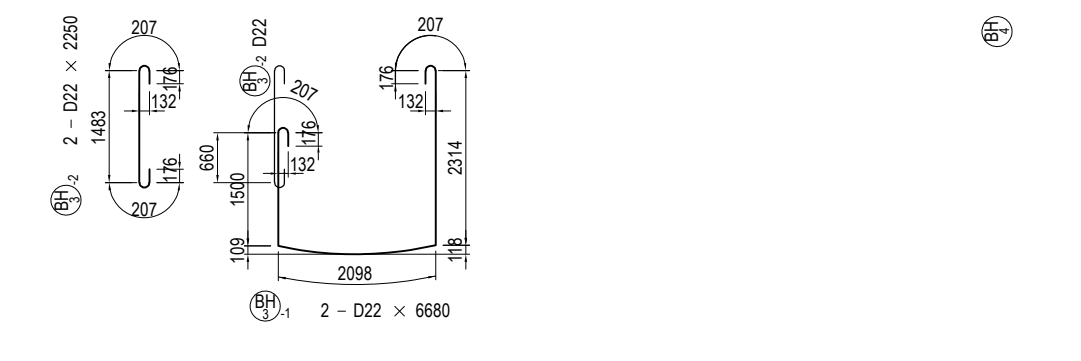
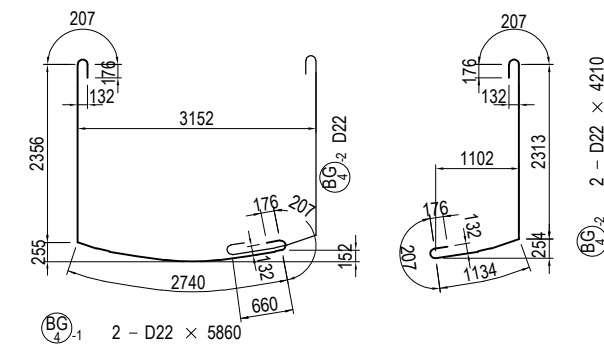
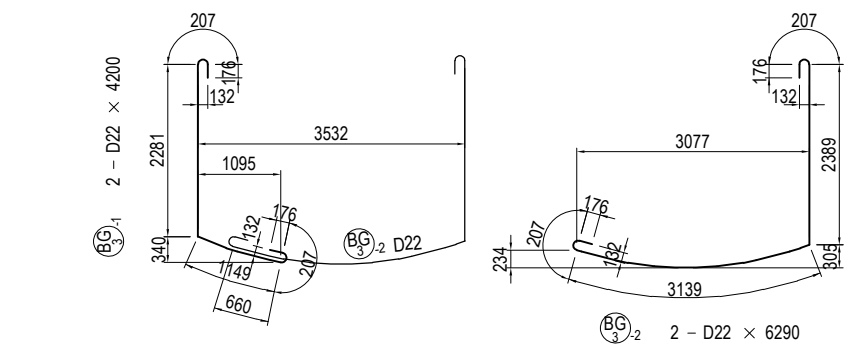
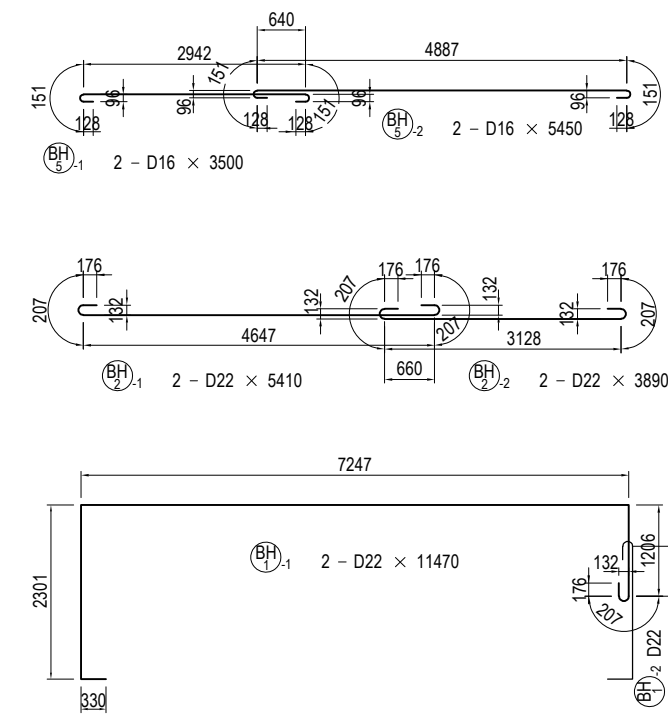
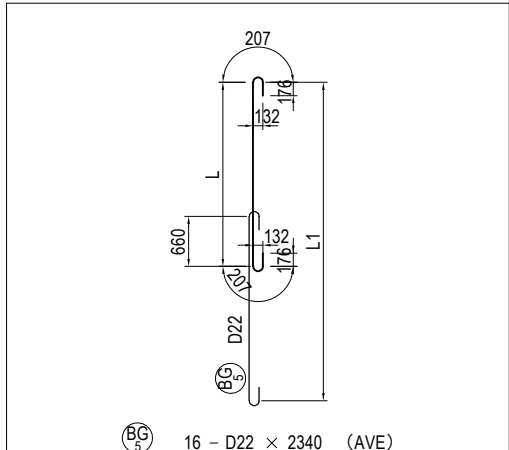
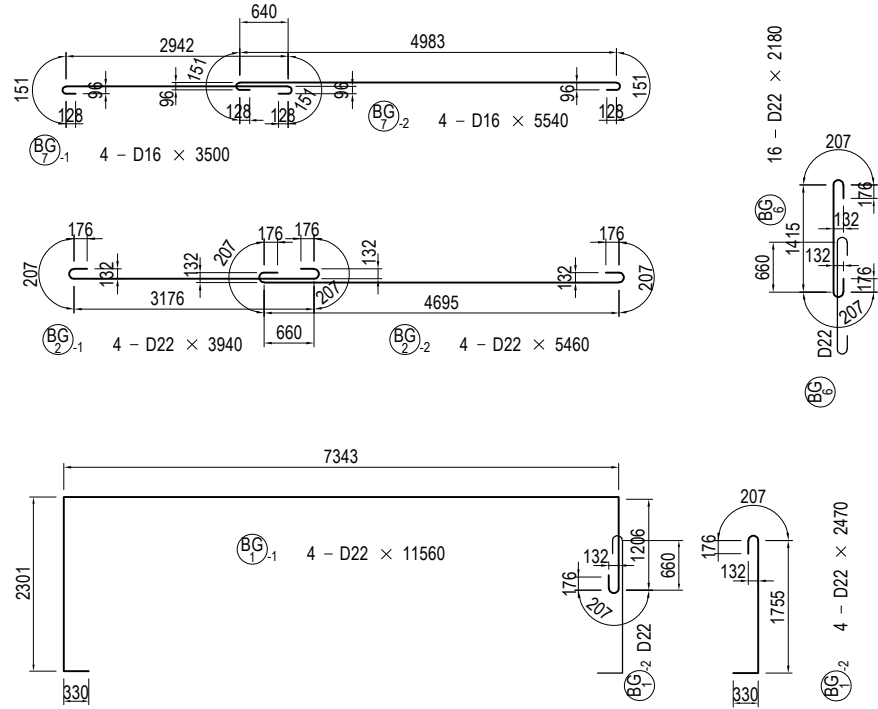


MARKS	DIA.	NOS. OF BARS	LENGTH L	LENGTH L1	LENGTH L2	LENGTH L3	LENGTH LL	LENGTH W	TOTAL LENGTH ΣL
BF4-2	D22	2	6361	5675	1102	1420	2291	5952	9418
2	"	2	5258	4873	780	912	2478	5266	8502
3	"	2	4066	3906	346	624	2331	4582	7163
AVE		6	5228				2367		8361

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 PIER (24) S=1:100 BEAM



USE MATERIALS

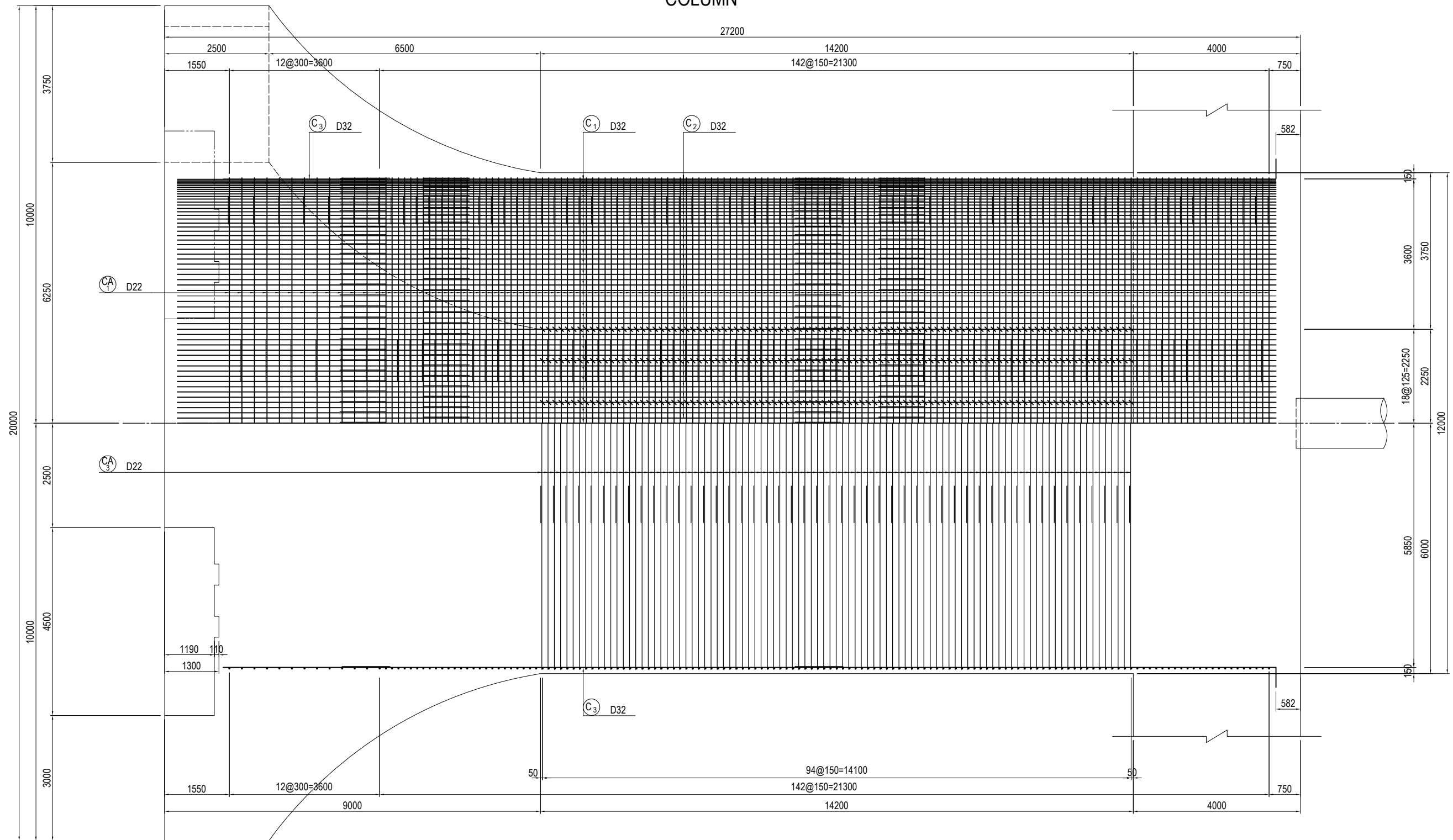
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (24)	PACKAGE 1 DWG No. P1-CS-2326
---	--	---	--	---	-----------	------	--	---------------------------------------

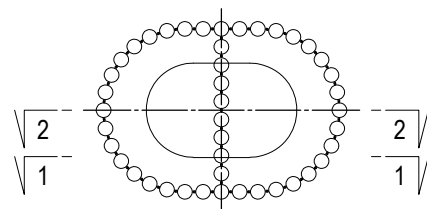
BAR ARRANGEMENT OF P13 PIER (25) S=1:100 COLUMN

FRONT ELEVATION
1-1

SECTION
2-2



MARKING DIAGRAM

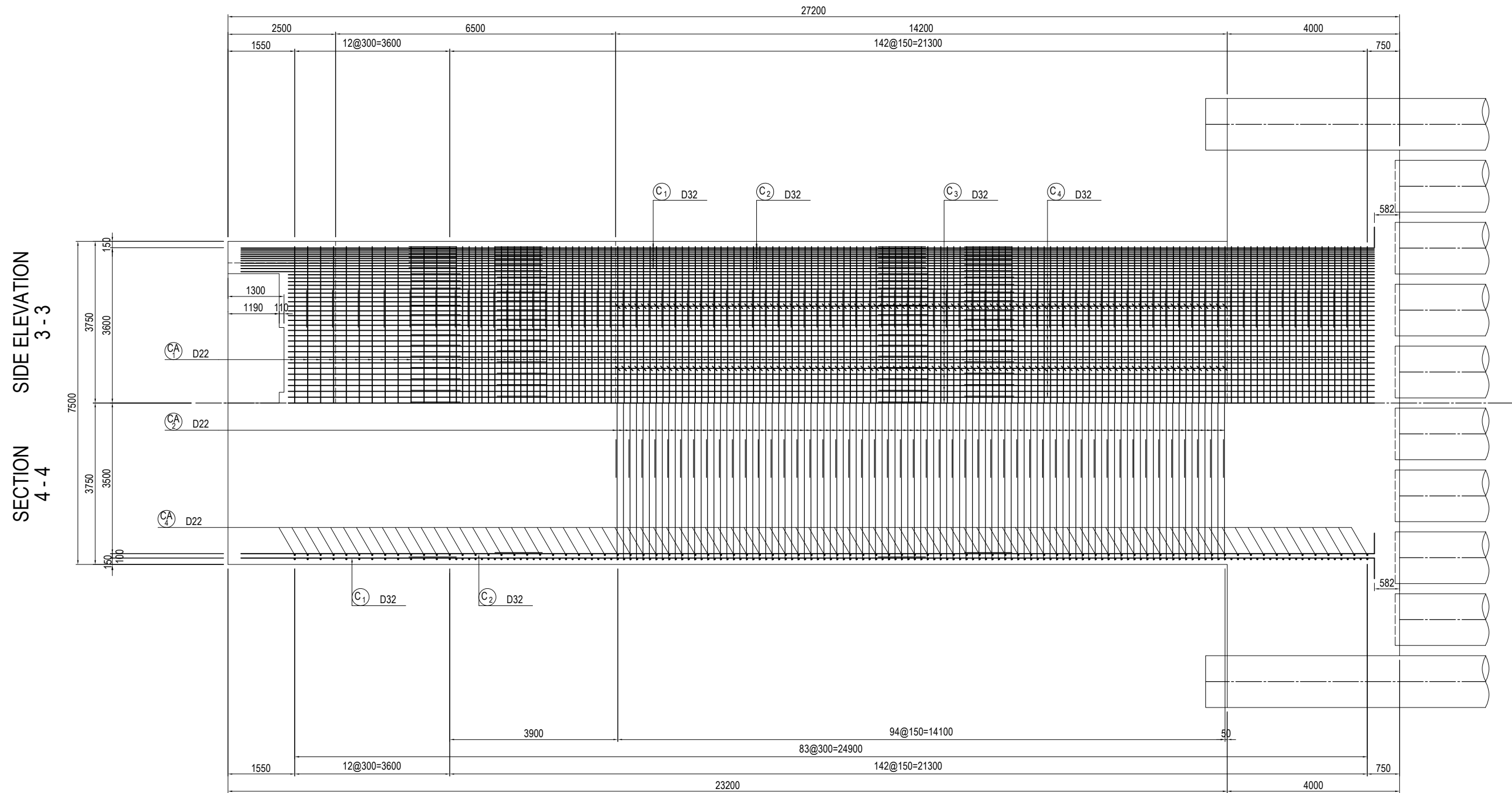


USE MATERIALS

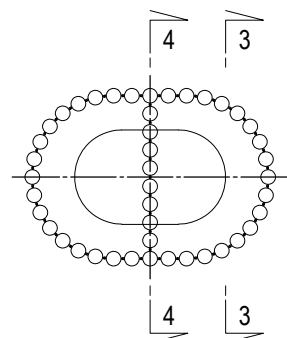
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (25)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2327

BAR ARRANGEMENT OF P13 PIER (26) S=1:100 COLUMN



MARKING DIAGRAM



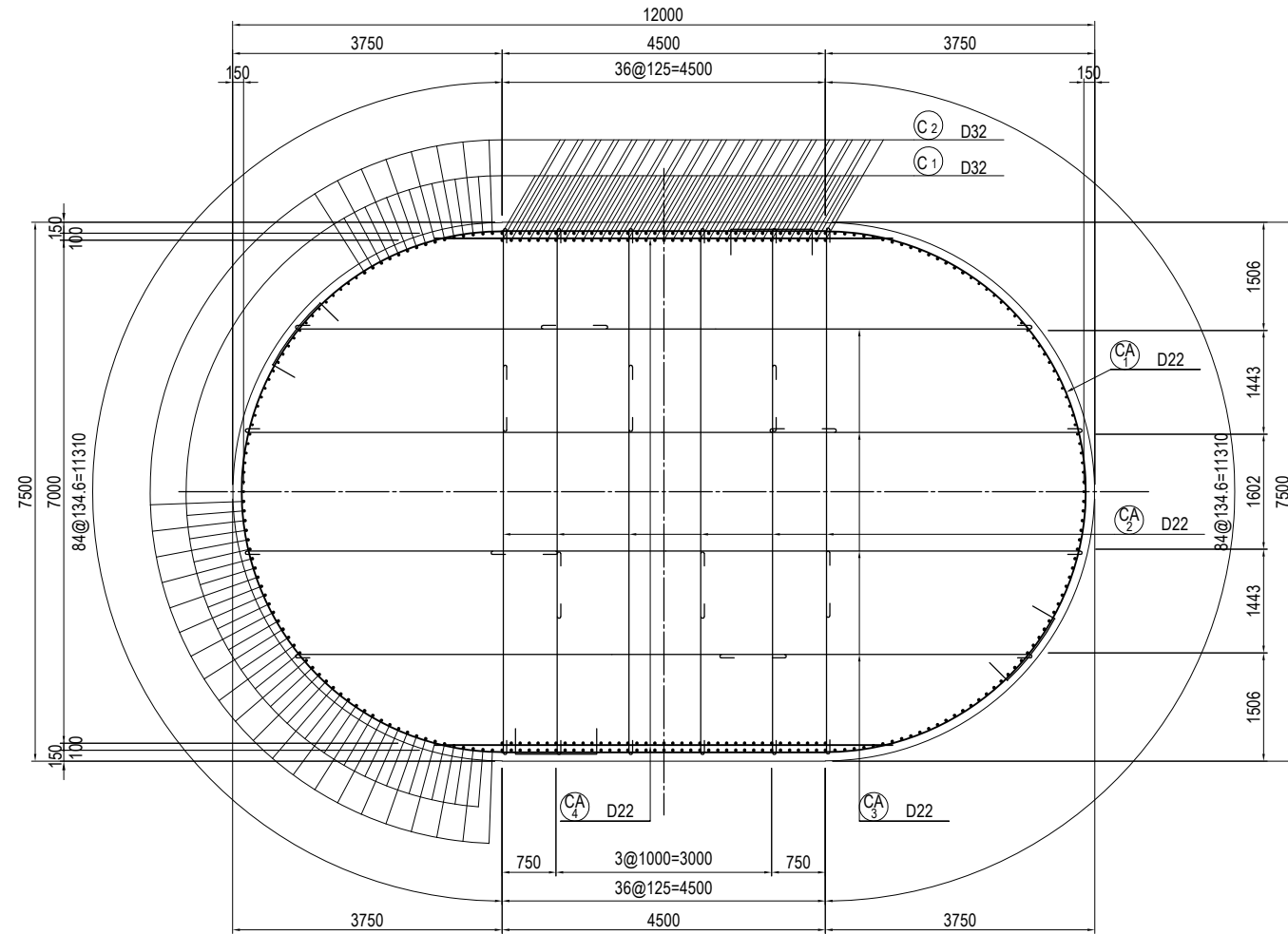
USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

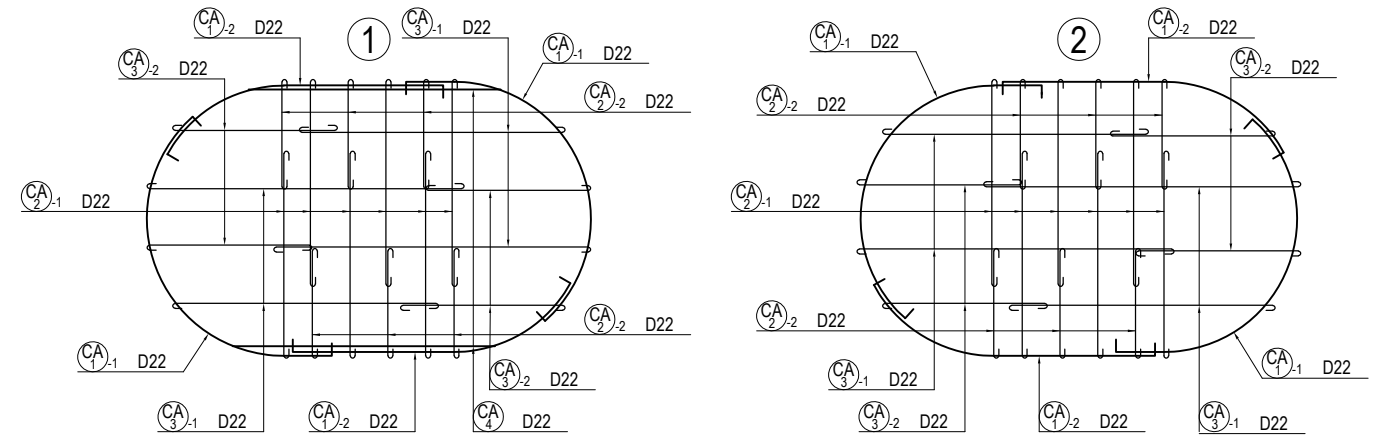
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<small>DRAWING TITLE</small> BAR ARRANGEMENT OF P13 PIER (26)	<small>PACKAGE</small> 1 DWG No. P1-CS-2328
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

BAR ARRANGEMENT OF P13 PIER (27) S=1:100 COLUMN

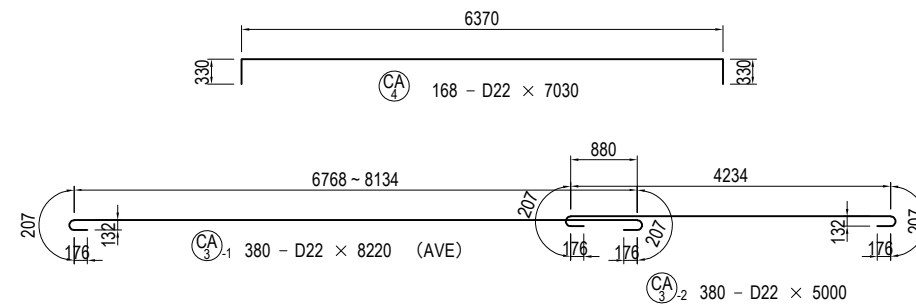
**PLAN
5-5**



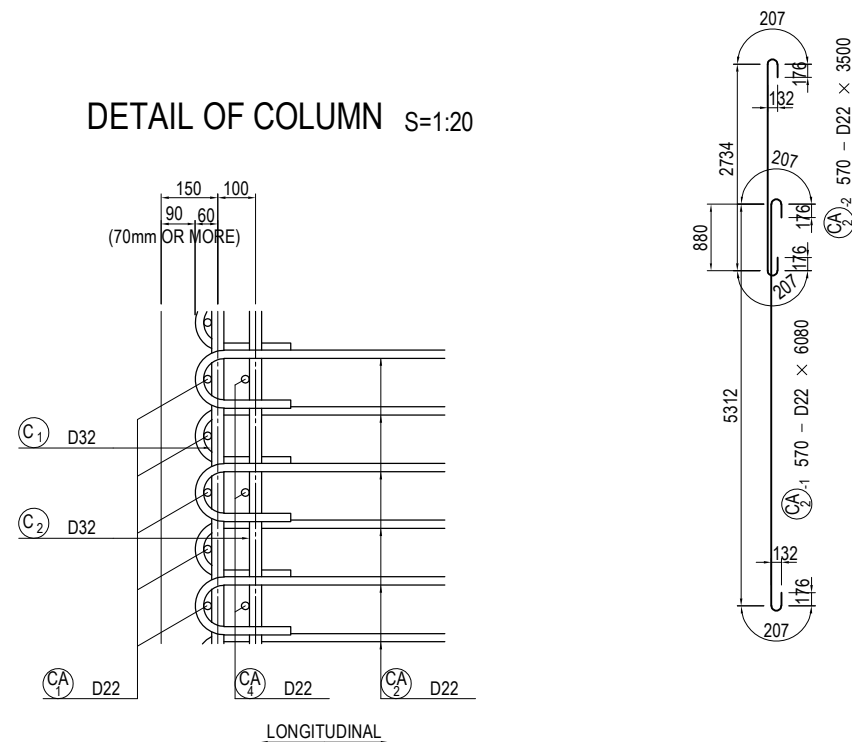
**ASSEMBLY DRAWING OF HOOP
(c.t.c. 150)**



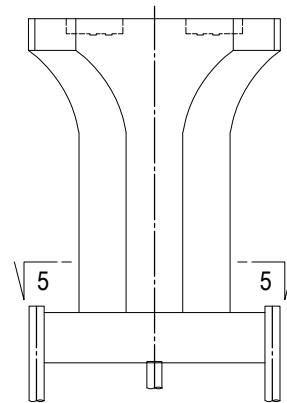
Note) CA : c.t.c. 300



DETAIL OF COLUMN S=1:20



MARKING DIAGRAM



LAP LENGTH LIST OF HOOP

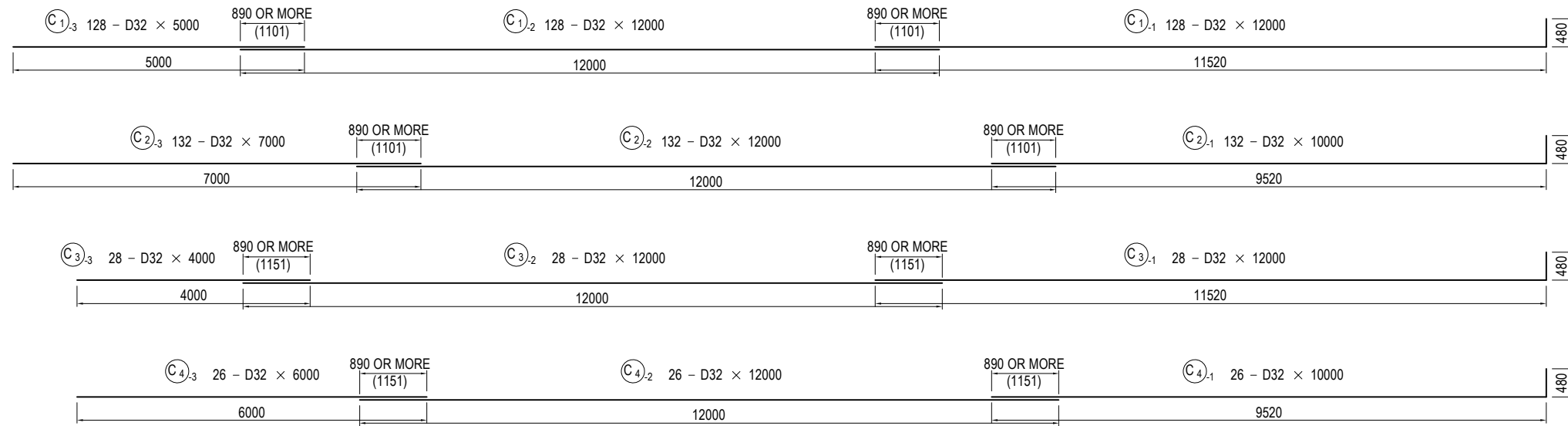
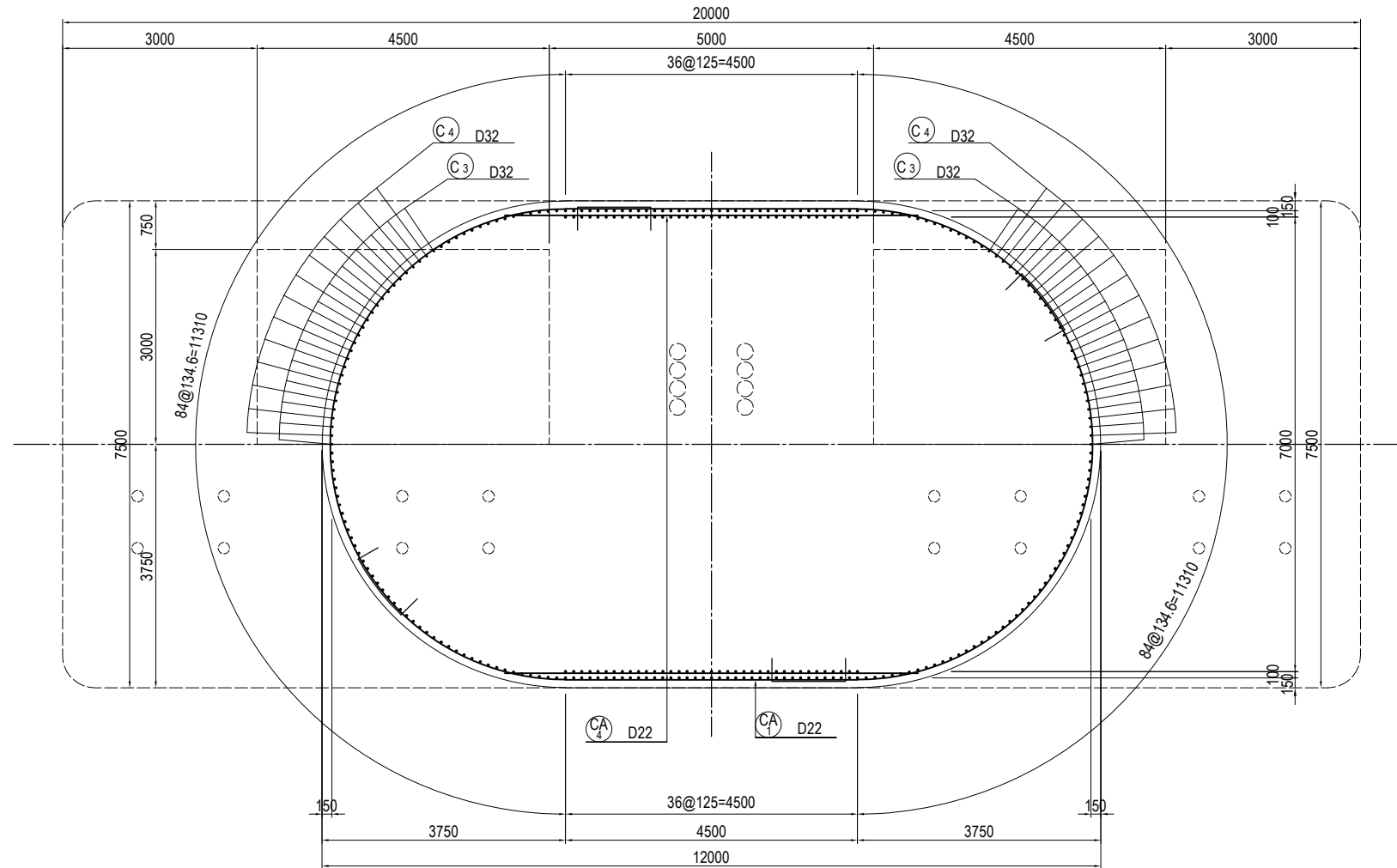
DIA.	R	LAP LENGTH (40φ)	L
D13	39	520	598
D16	48	640	736
D19	57	760	874
D22	66	880	1012
D25	75	1000	1150
D29	87	1160	1334
D32	96	1280	1472

USE MATERIALS

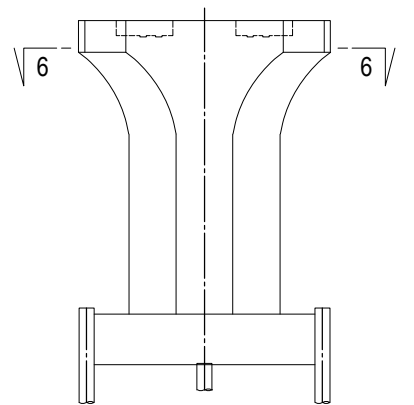
	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

BAR ARRANGEMENT OF P13 PIER (28) S=1:100 COLUMN

PLAN
6 - 6



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	$\sigma_{ck} = 30 \text{ N/mm}^2$	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (28)	PACKAGE 1 DWG No. P1-CS-2330
---	--	---	--	---	-----------------------	------------------	---	---------------------------------------

BAR ARRANGEMENT OF P13 PIER (29) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
B 1-1	D29	11500	13	5.04	57.96	753	┌
1-2	"	7500	13	"	37.80	491	┌
1-3	"	7000	13	"	35.28	459	┌
2-1	"	9000	12	"	45.36	544	┌
2-2	"	8000	6	"	40.32	242	┌
3-1	"	12000	13	"	60.48	786	┌
3-2	"	9500	13	"	47.88	622	┌
4-1	"	9500	25	"	47.88	1197	┌
4-2	"	12000	25	"	60.48	1512	┌
5-1	"	11500	2	"	57.96	116	┌
5-2	"	7460	2	"	37.60	75	┌ (AVE)
5-3	"	7000	2	"	35.28	71	┌
6-1	"	12000	2	"	60.48	121	┌
6-2	"	9260	2	"	46.67	93	┌ (AVE)
7-1	"	9460	2	"	47.68	95	┌ (AVE)
7-2	"	12000	2	"	60.48	121	┌
8-1	"	7000	2	"	35.28	71	┌
8-2	"	7440	2	"	37.50	75	┌ (AVE)
8-3	"	11500	2	"	57.96	116	┌
9-1	"	9500	1	"	47.88	48	┌
9-2	"	12000	1	"	60.48	60	┌
10-1	"	12000	2	"	60.48	121	┌
10-2	"	9440	2	"	47.58	95	┌ (AVE)
11-1	"	10500	2	"	52.92	106	┌
11-2	"	6500	2	"	32.76	66	┌
11-3	"	8500	2	"	42.84	86	┌
12-1	"	11500	2	"	57.96	116	┌
12-2	"	9000	2	"	45.36	91	┌
13-1	"	9500	2	"	47.88	96	┌
13-2	"	11500	2	"	57.96	116	┌
14	"	7500	22	"	37.80	832	┌
15	"	9000	11	"	45.36	499	┌
16	"	5670	10	"	28.58	286	┌
17	"	7670	5	"	38.66	193	┌
18-1	D22	9790	12	3.04	29.76	357	┌ (AVE)
18-2	"	5000	12	"	15.20	182	┌
18-3	"	11070	12	"	33.65	404	┌ (AVE)
19-1	"	9440	15	"	28.70	431	┌ (AVE)
19-2	"	8000	15	"	24.32	365	┌
19-3	"	10920	15	"	33.20	498	┌ (AVE)
20-1	"	9850	7	"	29.94	210	┌ (AVE)
20-2	"	8500	7	"	25.84	181	┌
20-3	"	11430	7	"	34.75	243	┌ (AVE)
21-1	"	10500	2	"	31.92	64	┌
21-2	"	12000	2	"	36.48	73	┌

MARKS	DIA.	LENGTH (mm)	NOS. OF	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
B 22-1	D16	11500	14	1.56	17.94	251	┌
22-2	"	11000	14	"	17.16	240	┌
22-3	"	12000	28	"	18.72	524	┌
22-4	"	12000	14	"	18.72	262	┌
23-1	"	11500	2	"	17.94	36	┌
23-2	"	12000	1	"	18.72	19	┌
23-3	"	5500	1	"	8.58	9	┌
23-4	"	12000	1	"	18.72	19	┌
24-1	"	11010	12	"	17.18	206	┌ (AVE)
24-2	"	9070	6	"	14.15	85	┌ (AVE)
24-3	"	8950	6	"	13.96	84	┌ (AVE)
24-4	"	10000	6	"	15.60	94	┌
25-1	"	10060	62	"	15.69	973	┌ (AVE)
25-2	"	10300	62	"	16.07	996	┌ (AVE)
26-1	"	11800	4	"	18.41	74	┌ (AVE)
26-2	"	11850	4	"	18.49	74	┌ (AVE)
26-3	"	11680	4	"	18.22	73	┌ (AVE)
SUBTOTAL						17398	kg
BA 1-1	D22	11150	25	3.04	33.90	848	┌
1-2	"	9270	25	"	28.18	705	┌
1-3	"	8040	25	"	24.44	611	┌
2-1	"	5460	25	"	16.60	415	┌
2-2	"	3940	25	"	11.98	300	┌
3-1	"	11670	50	"	35.48	1774	┌
3-2	"	9270	50	"	28.18	1409	┌
4-1	"	11800	25	"	35.87	897	┌
4-2	"	9270	25	"	28.18	705	┌
5-1	D16	5540	25	1.56	8.64	216	┌
5-2	"	3500	25	"	5.46	137	┌
6-1	"	3500	25	"	5.46	137	┌
6-2	"	5380	25	"	8.39	210	┌
SUBTOTAL						8364	kg
BB 1-1	D22	11420	8	3.04	34.72	278	┌ (AVE)
1-2	"	10080	8	"	30.64	245	┌ (AVE)
1-3	"	9790	8	"	29.76	238	┌
1-4	"	6870	8	"	20.88	167	┌
1-5	"	9190	8	"	27.94	224	┌
1-6	"	6850	8	"	20.82	167	┌
2-1	"	10200	6	"	31.01	186	┌ (AVE)
2-2	"	10030	6	"	30.49	183	┌ (AVE)
2-3	"	9970	6	"	30.31	182	┌
2-4	"	9210	6	"	28.00	168	┌
2-5	"	9310	6	"	28.30	170	┌
2-6	"	5500	6	"	16.72	100	┌
SUBTOTAL						9878	kg

MARKS	DIA.	LENGTH (mm)	NOS. OF	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BB 3-1	D22	10830	6	3.04	32.92	198	┌ (AVE)
3-2	"	9520	6	"	28.94	174	┌ (AVE)
3-3	"	8770	6	"	26.66	160	┌
3-4	"	9210	6	"	28.00	168	┌
3-5	"	6890	6	"	20.95	126	┌
4-1	"	11100	2	"	33.74	67	┌
4-2	"	9260	2	"	28.15	56	┌
4-3	"	9740	2	"	29.61	59	┌
4-4	"	6870	2	"	20.88	42	┌
4-5	"	8570	2	"	26.05	52	┌
5-1	"	10650	4	"	32.38	130	┌ (AVE)
5-2	"	11710	4	"	35.60	142	┌ (AVE)
5-3	"	9740	4	"	29.61	118	┌
5-4	"	6870	4	"	20.88	84	┌
5-5	"	5670	4	"	17.24	69	┌
6-1	"	8150	4	"	24.78	99	┌ (AVE)
6-2	"	6690	4	"	20.34	81	┌ (AVE)
6-3	"	10480	4	"	31.86	127	┌ (AVE)
6-4	"	9210	4	"	28.00	112	┌
6-5	"	8750	4	"	26.60	106	┌ (AVE)
7-1	"	10000	2	"	30.40	61	┌
7-2	"	11060	2	"	33.62	67	┌
7-3	"	9740	2	"	29.61	59	┌
7-4	"	6870	2	"	20.88	42	┌
7-5	"	5670	2	"	17.24	34	┌
8-1	"	11820	2	"	35.93	72	┌
8-2	"	7960	2	"	24.20	48	┌
8-3	"	9740	2	"	29.61	59	┌
8-4	"	6870	2	"	20.88	42	┌
8-5	"	5670	2	"	17.24	34	┌
9-1	"	12000	26	"	36.48	948	┌
9-2	"	9210	26	"	28.00	728	┌
10-1	"	11170	12	"	33.96	408	┌
10-2	"	5500	12	"	16.72	201	┌
11-1	"	12000	12	"	36.48	438	┌
11-2	"	4130	12	"	12.56	151	┌
12	"	3900	24	"	11.86	285	┌ (AVE)
13	"	4640	20	"	14.11	282	┌ (AVE)
14	"	5430	12	"	16.51	198	┌
15	"	4300	24	"	13.07	314	┌
16	"	3240	32	"	9.85	315	┌ (AVE)
17	D16	2640	68	1.56	4.12	280	┌
18-1	"	5380	20	"	8.39	168	┌
18-2	"	3500	20	"	5.46	109	┌
19	"	1070	34	"	1.67	57	┌
SUBTOTAL						9878	kg

USE MATERIALS

	CONCRETE	BAR
BEAM-COLUMN	σ _{ck} = 30 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM    NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 PIER (29)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2331

BAR ARRANGEMENT OF P13 PIER (30) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BC 1-1	D22	8910	4	3.04	27.09	108	⌒ (AVE)
1-2	"	9920	4	"	30.16	121	⌒ (AVE)
1-3	"	4560	8	"	13.86	111	⌒ (AVE)
1-4	"	9940	4	"	30.22	121	⌒ (AVE)
2-1	"	6800	2	"	20.67	41	⌒
2-2	"	10330	2	"	31.40	63	⌒
2-3	"	9740	2	"	29.61	59	⌒
2-4	"	5350	2	"	16.26	33	⌒
2-5	"	5670	2	"	17.24	34	⌒
3	"	4090	24	"	12.43	298	⌒ (AVE)
4	"	2830	36	"	8.60	310	⌒ (AVE)
5	D16	2640	12	1.56	4.12	49	⌒
6-1	"	5380	6	"	8.39	50	⌒
6-2	"	3500	6	"	5.46	33	"
7	"	1070	6	"	1.67	10	⌒
SUBTOTAL						1441	kg
BD 1	D22	8850	4	3.04	26.90	108	⌒
2	"	5840	4	"	17.75	71	⌒
3-1	"	3940	4	"	11.98	48	⌒
3-2	"	5460	4	"	16.60	66	"
4-1	"	7260	2	"	22.07	44	⌒
4-2	"	10860	2	"	33.01	66	⌒
5-1	"	9860	2	"	29.97	60	⌒
5-2	"	7510	2	"	22.83	46	⌒
6	"	3650	16	"	11.10	178	⌒ (AVE)
7	"	2670	16	"	8.12	130	⌒ (AVE)
8	D16	2640	8	1.56	4.12	33	⌒
9	"	1070	4	"	1.67	7	⌒
SUBTOTAL						857	kg
BE 1-1	D22	11560	10	3.04	35.14	351	⌒
1-2	"	2470	10	"	7.51	75	⌒
2-1	"	3940	10	"	11.98	120	⌒
2-2	"	5460	10	"	16.60	166	"
3-1	"	5290	6	"	16.08	96	⌒ (AVE)
3-2	"	10250	6	"	31.16	187	⌒ (AVE)
4-1	"	10210	4	"	31.04	124	⌒ (AVE)
4-2	"	5240	4	"	15.93	64	⌒ (AVE)
5	"	3150	80	"	9.58	766	⌒ (AVE)
6-1	D16	5540	10	1.56	8.64	86	⌒
6-2	"	3500	10	"	5.46	55	"
SUBTOTAL						2090	kg
BF 1-1	D22	11560	14	3.04	35.14	492	⌒
1-2	"	2470	14	"	7.51	105	⌒
2-1	"	3940	14	"	11.98	168	⌒
2-2	"	5460	14	"	16.60	232	"
3-1	"	8300	8	"	25.23	202	⌒ (AVE)
3-2	"	4250	8	"	12.92	103	⌒ (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
BF 4-1	D22	4290	6	3.04	13.04	78	⌒ (AVE)
4-2	"	8360	6	"	25.41	152	⌒ (AVE)
5	"	2620	88	"	7.96	700	⌒ (AVE)
6	"	2180	24	"	6.63	159	"
7-1	D16	3500	14	1.56	5.46	76	⌒
7-2	"	5540	14	"	8.64	121	"
SUBTOTAL						2588	kg
BG 1-1	D22	11560	4	3.04	35.14	141	⌒
1-2	"	2470	4	"	7.51	30	⌒
2-1	"	3940	4	"	11.98	48	⌒
2-2	"	5460	4	"	16.60	66	"
3-1	"	4200	2	"	12.77	26	⌒
3-2	"	6290	2	"	19.12	38	⌒
4-1	"	5860	2	"	17.81	36	⌒
4-2	"	4210	2	"	12.80	26	⌒
5	"	2340	16	"	7.11	114	⌒ (AVE)
6	"	2180	16	"	6.63	106	"
7-1	D16	3500	4	1.56	5.46	22	⌒
7-2	"	5540	4	"	8.64	35	"
SUBTOTAL						688	kg
BH 1-1	D22	11470	2	3.04	34.87	70	⌒
1-2	"	2470	2	"	7.51	15	⌒
2-1	"	5410	2	"	16.45	33	⌒
2-2	"	3890	2	"	11.83	24	"
3-1	"	6680	2	"	20.31	41	⌒
3-2	"	2250	2	"	6.84	14	⌒
4	"	2180	16	"	6.63	106	"
5-1	D16	3500	2	1.56	5.46	11	⌒
5-2	"	5450	2	"	8.50	17	"
SUBTOTAL						331	kg
P 1	D16	4500	42	1.56	7.02	295	⌒
2	"	6000	26	"	9.36	243	"
3	"	3690	16	"	5.76	92	⌒
4	"	4750	16	"	7.41	119	⌒
SUBTOTAL						749	kg
HA 1	D16	2340	64	1.56	3.65	234	⌒
2	"	2940	44	"	4.59	202	"
3	"	6930	4	"	10.81	43	⌒
SUBTOTAL						479	kg
HB 1	D16	2300	12	1.56	3.59	43	⌒
2	"	2480	7	"	3.87	27	"
3	"	6330	1	"	9.87	10	⌒
SUBTOTAL						80	kg

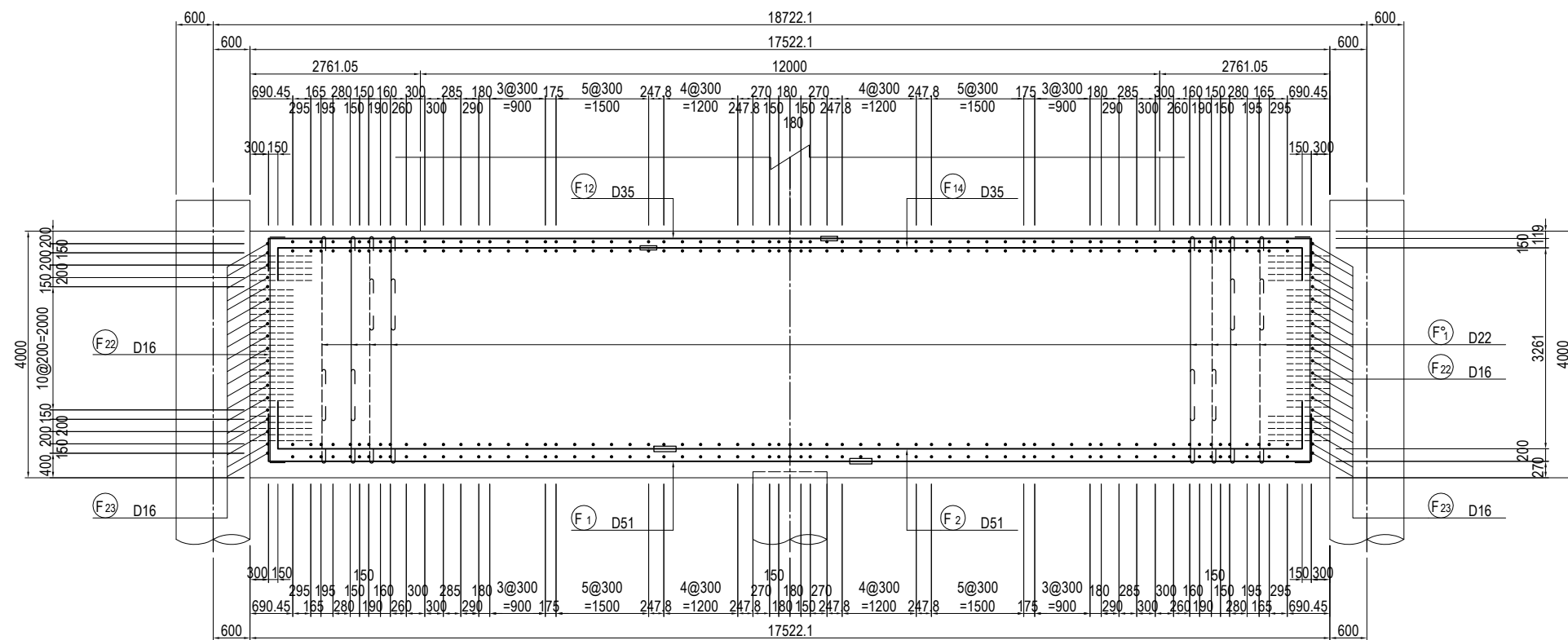
MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
C 1-1	D32	12000	128	6.23	74.76	9569	⌒
1-2	"	12000	128	"	74.76	9569	⌒
1-3	"	5000	128	"	31.15	3987	"
2-1	"	10000	132	"	62.30	8224	⌒
2-2	"	12000	132	"	74.76	9868	⌒
2-3	"	7000	132	"	43.61	5757	"
3-1	"	12000	28	"	74.76	2093	⌒
3-2	"	12000	28	"	74.76	2093	⌒
3-3	"	4000	28	"	24.92	698	"
4-1	"	10000	26	"	62.30	1620	⌒
4-2	"	12000	26	"	74.76	1944	⌒
4-3	"	6000	26	"	37.38	972	"
SUBTOTAL						56394	kg
CA 1-1	D22	10590	310	3.04	32.19	9979	⌒
1-2	"	8840	310	"	26.87	8330	⌒
2-1	"	6080	570	"	18.48	10534	⌒
2-2	"	3500	570	"	10.64	6065	"
3-1	"	8220	380	"	24.99	9496	⌒ (AVE)
3-2	"	5000	380	"	15.20	5776	"
4	"	7030	168	"	21.37	3590	⌒
SUBTOTAL						53770	kg
					D32	56394	kg
					D29	10371	"
					D22	81096	"
					D16	7246	"
TOTAL					155107	kg	

USE MATERIALS

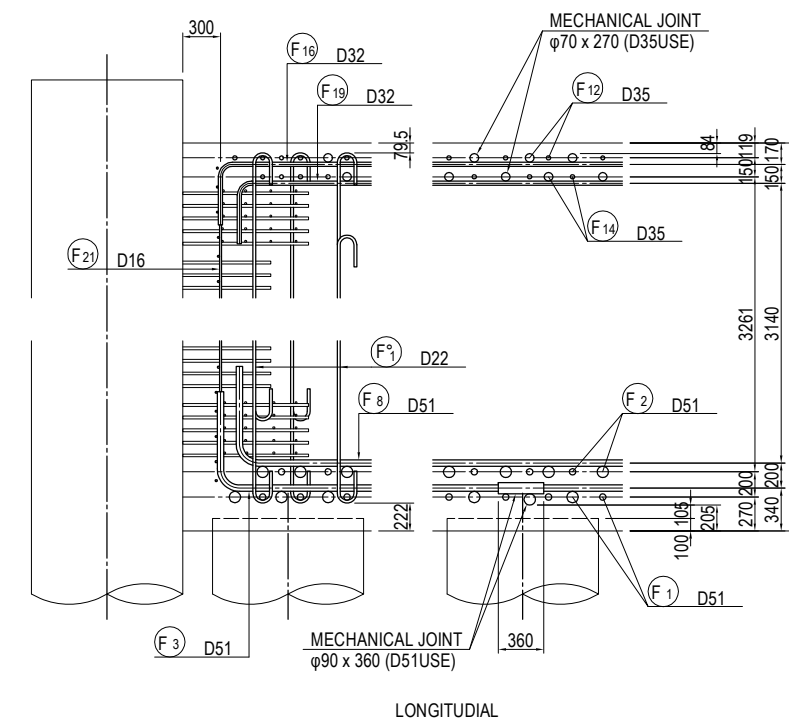
	CONCRETE	BAR
BEAM-COLUMN	σck = 30 N/mm ²	SD345

BAR ARRANGEMENT OF P13 FOOTING (1) S=1:100

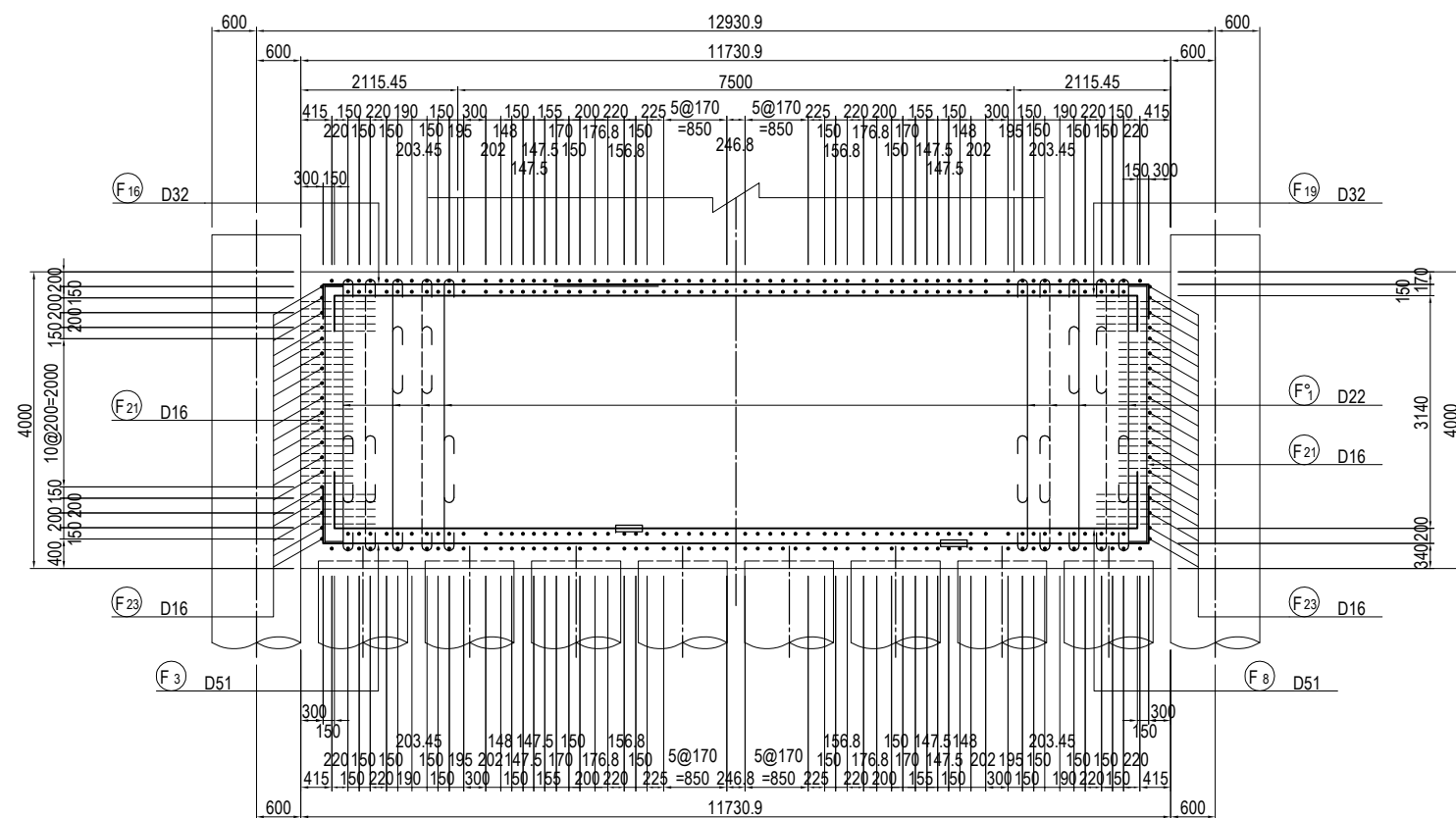
SECTION 1-1



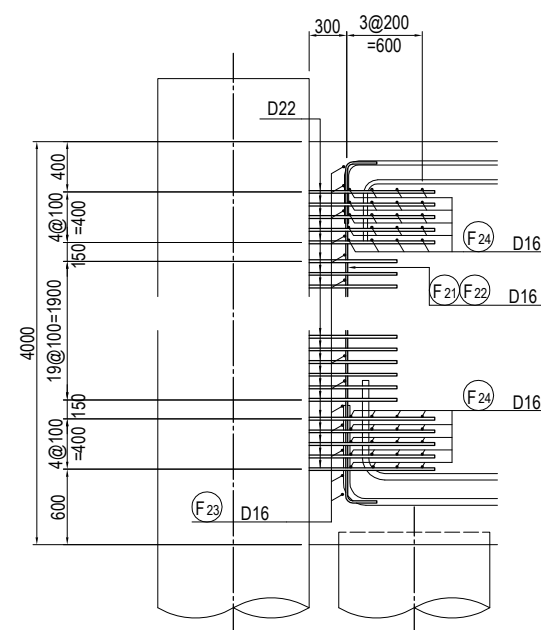
DETAIL OF PILE CAP S=1:60



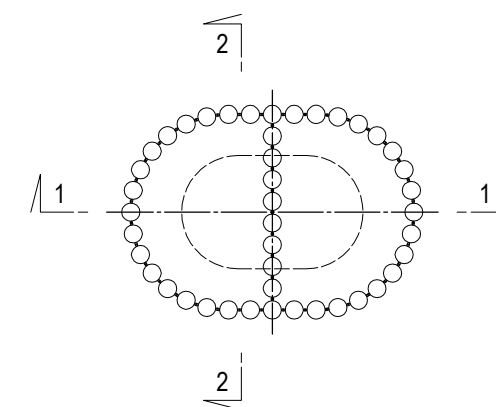
SECTION 2-2



DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:60



MARKING DIAGRAM



Note) — : MECHANICAL JOINT

USE MATERIALS

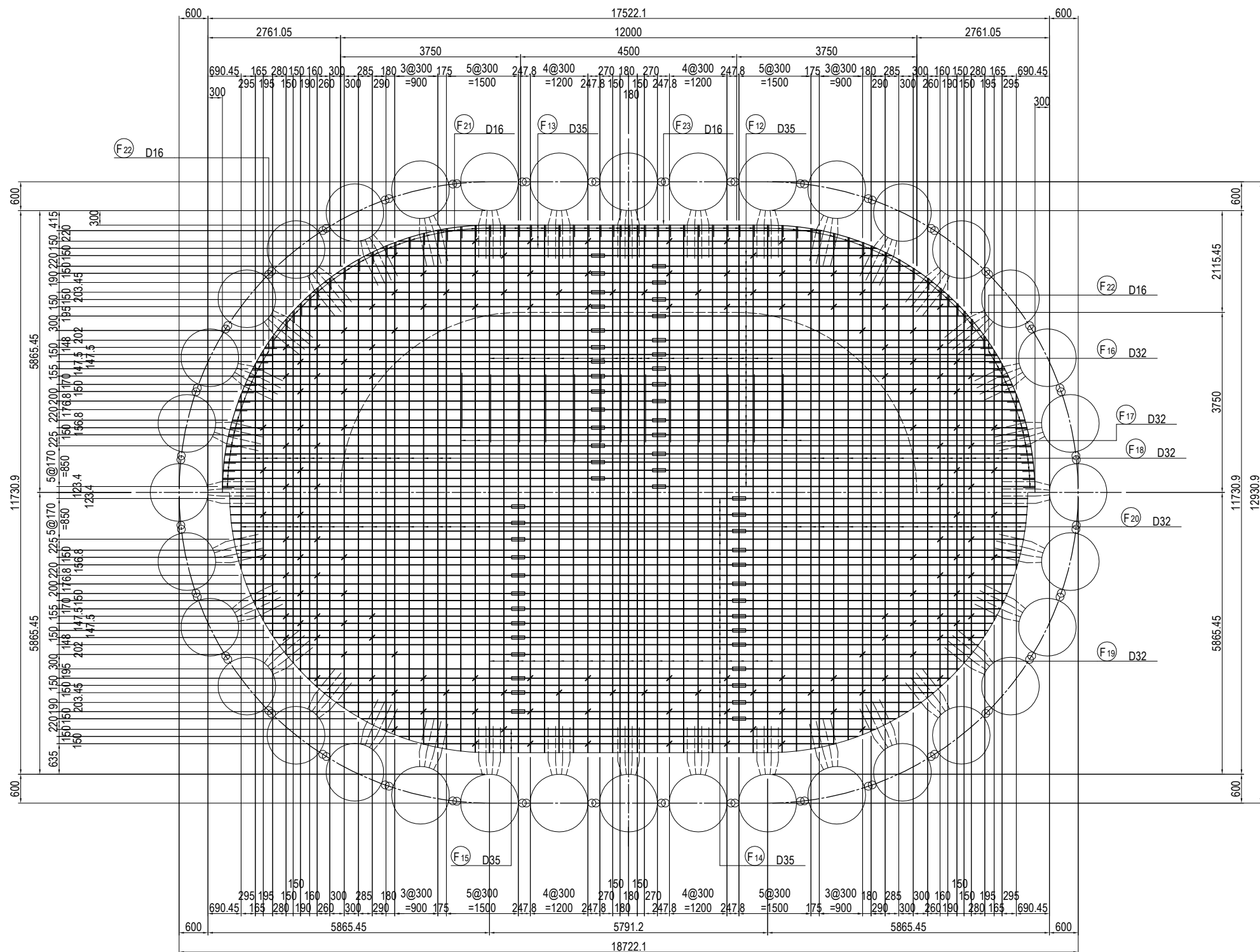
	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 FOOTING (1)	PACKAGE 1 DWG No. P1-CS-2333
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

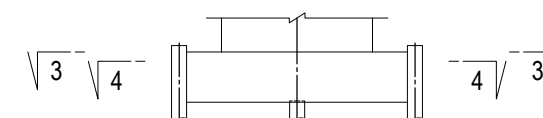
BAR ARRANGEMENT OF P13 FOOTING (2) S=1:100

PLAN 3-3

PLAN 4-4



MARKING DIAGRAM



USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

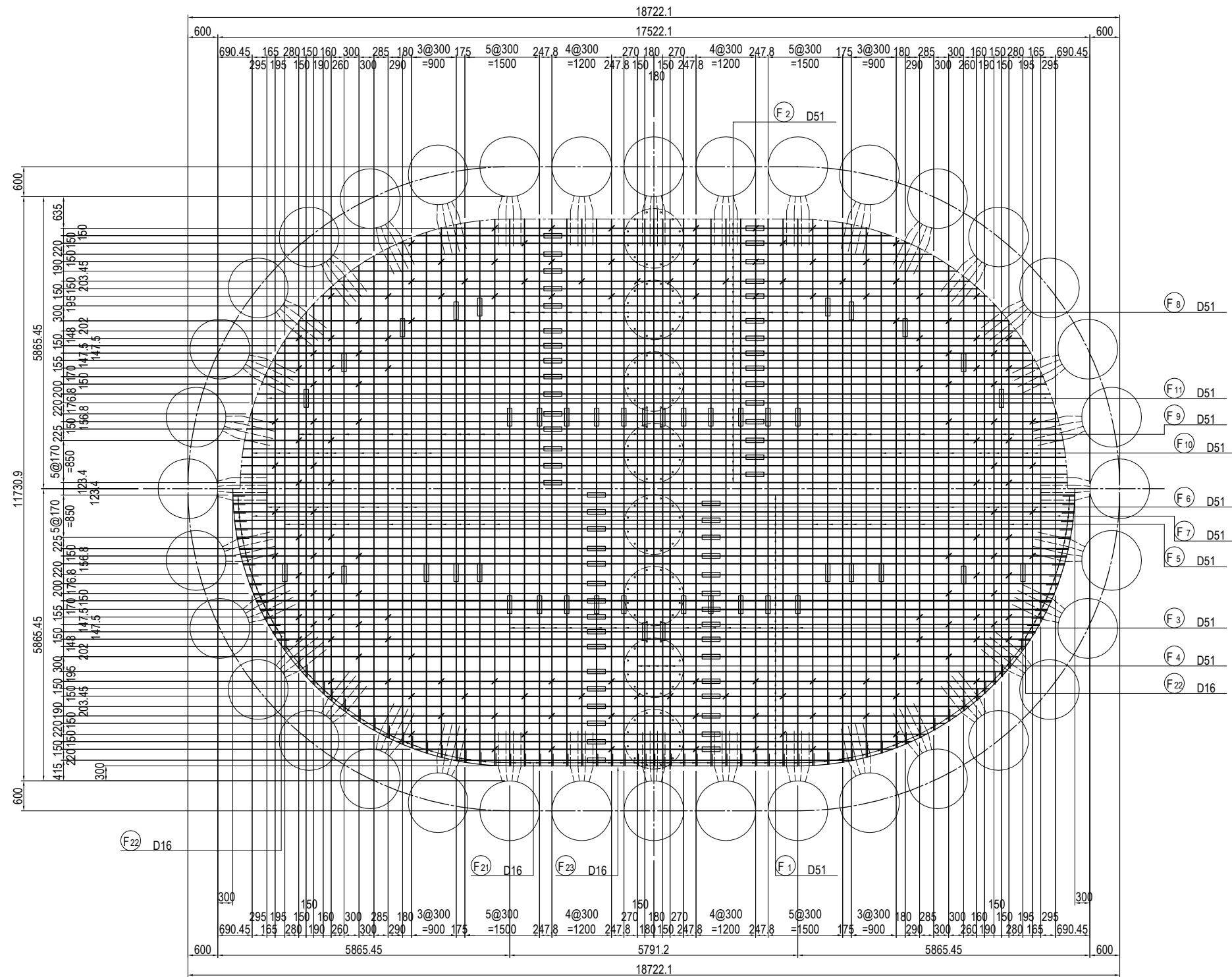
Note) : MECHANICAL JOINT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </tbody> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE <h2 style="text-align: center;">BAR ARRANGEMENT OF P13 FOOTING (2)</h2>	PACKAGE 1 DWG No. P1-CS-2334
	NAME	SIGNATURE	DATE																			
PREPARED BY	T. TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

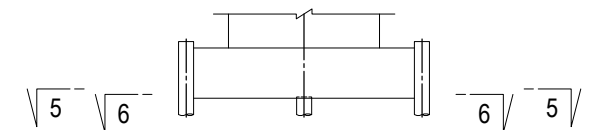
BAR ARRANGEMENT OF P13 FOOTING (3) S=1:100

PLAN 5-5

PLAN 6-6



MARKING DIAGRAM



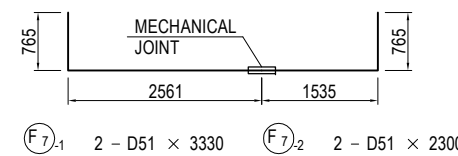
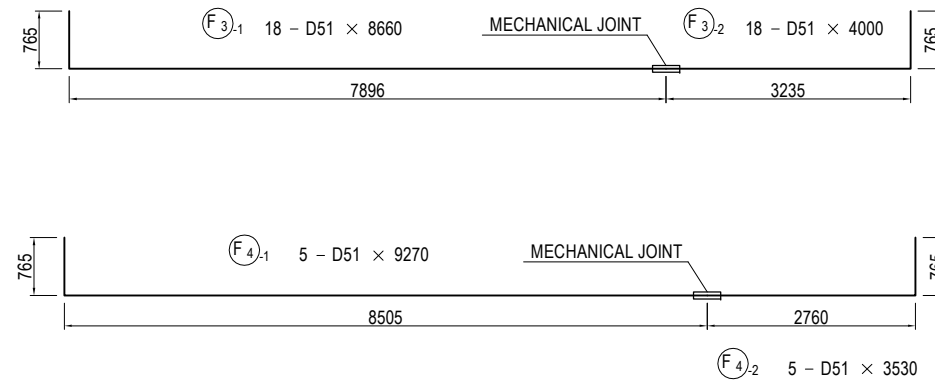
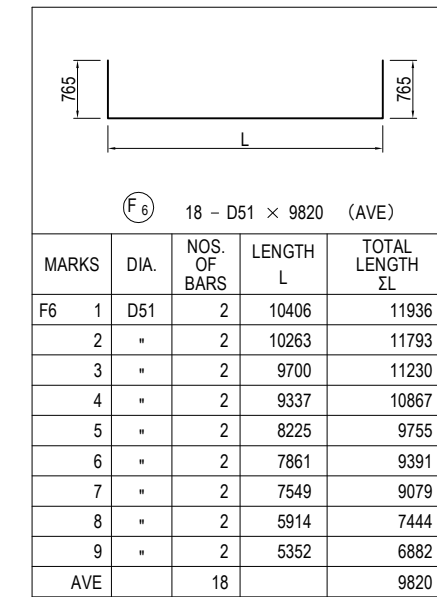
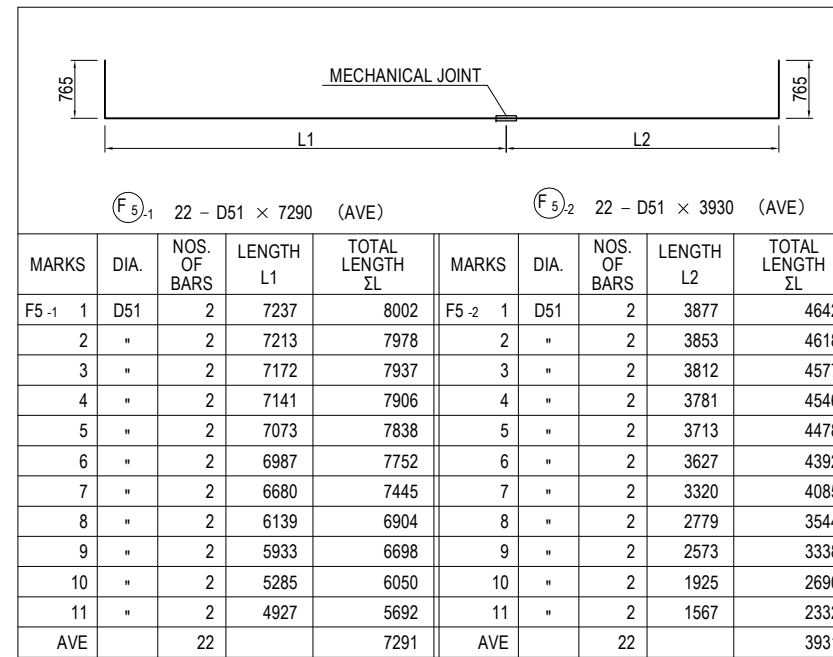
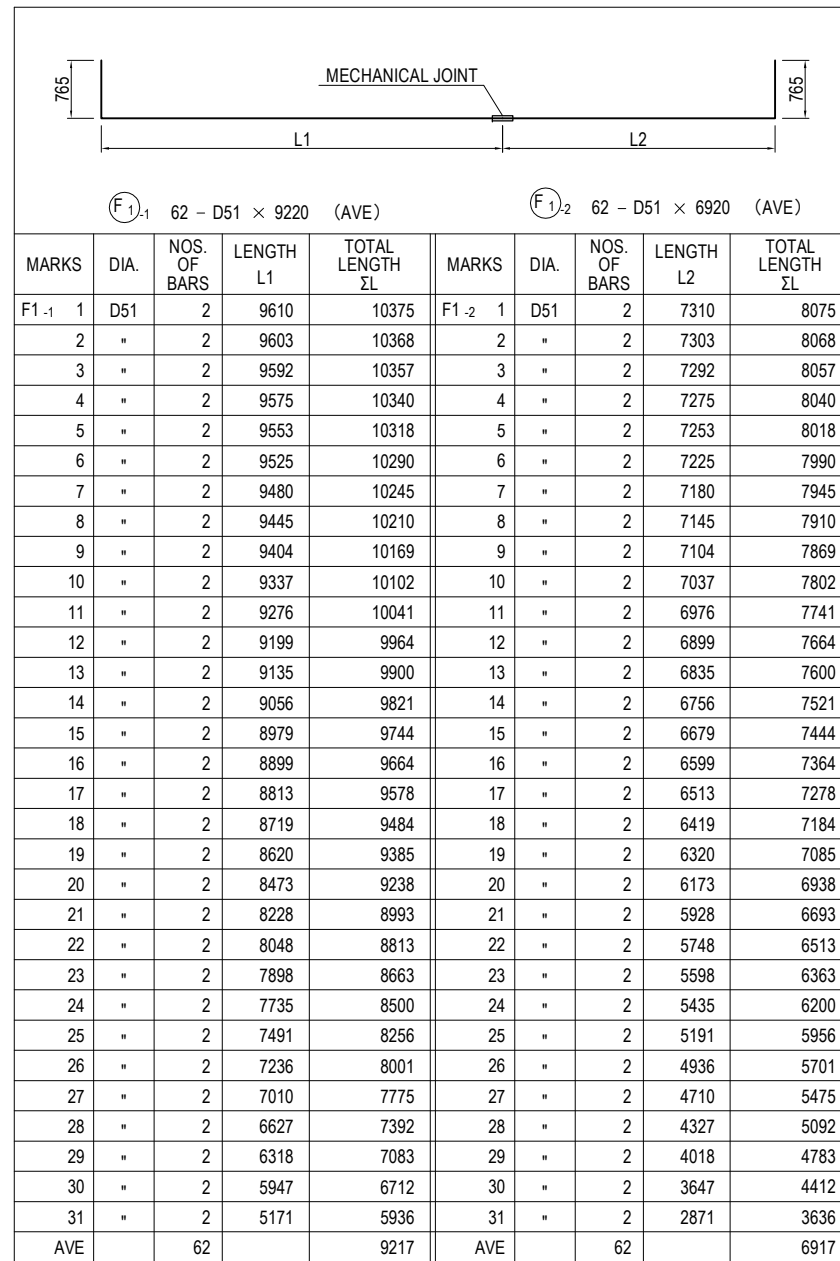
USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

Note) : MECHANICAL JOINT

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	PREPARED BY T. TOMODA			BAR ARRANGEMENT OF P13 FOOTING (3)	1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-2335

BAR ARRANGEMENT OF P13 FOOTING (4) S=1:100

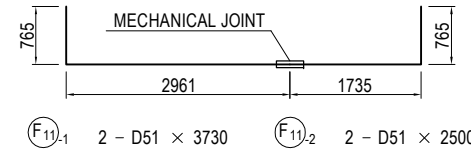
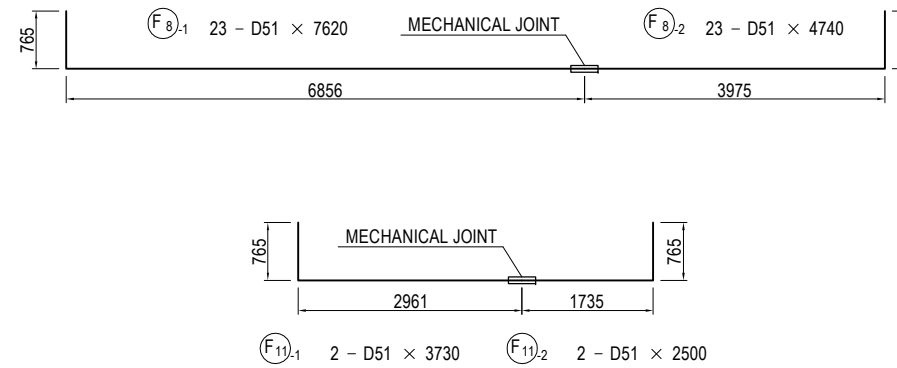
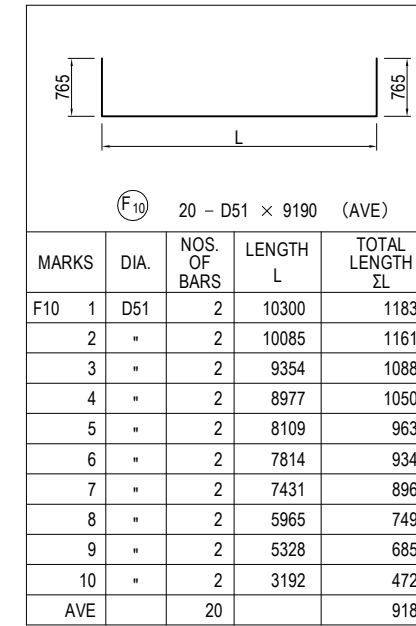
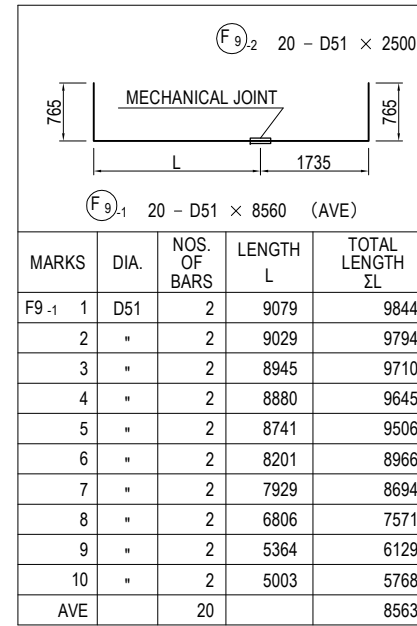
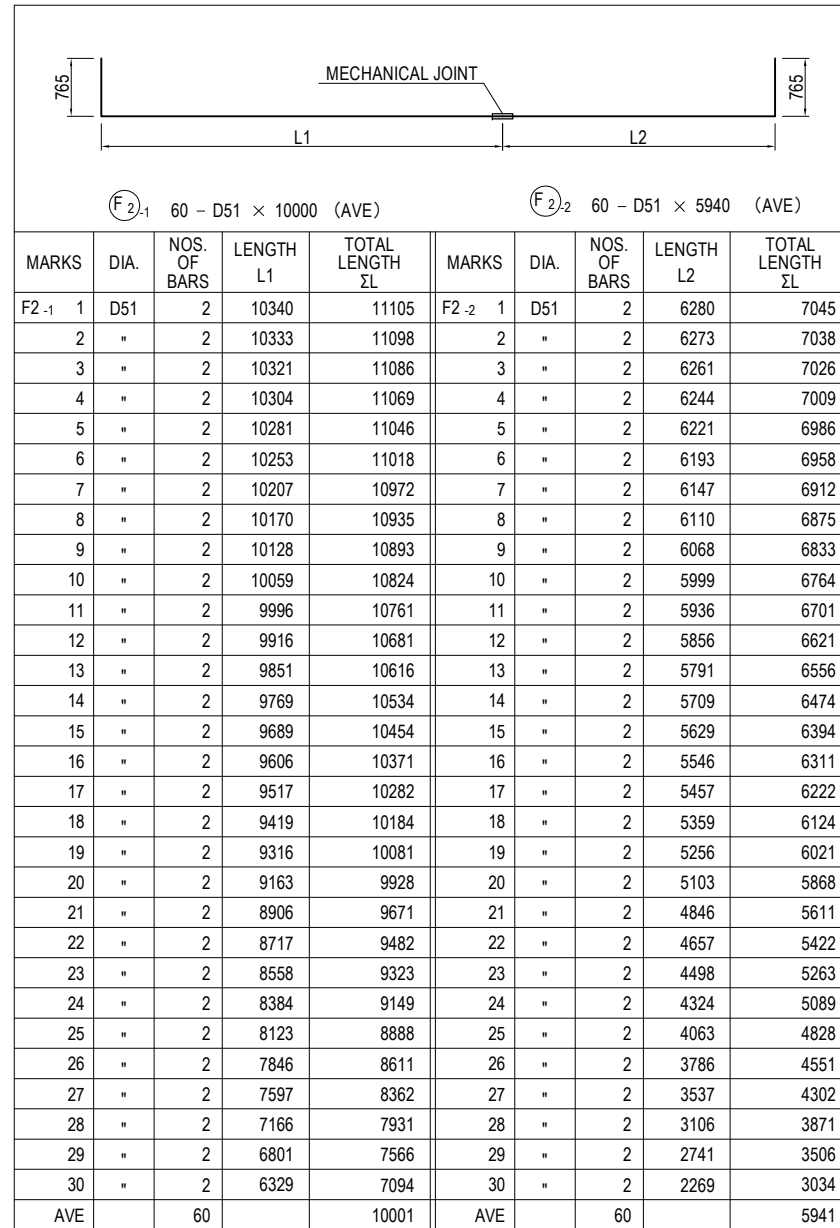


USE MATERIALS

	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY T. TOMODA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 FOOTING (4)	PACKAGE 1 DWG No. P1-CS-2336
---	--	---	--	--	-------------------	--	---------------------------------------

BAR ARRANGEMENT OF P13 FOOTING (5) S=1:100

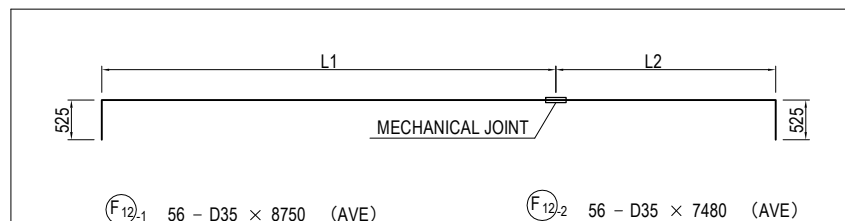


USE MATERIALS

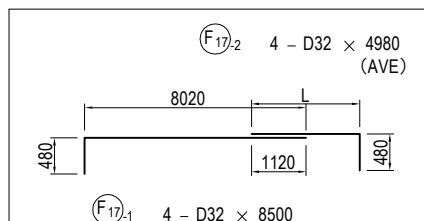
	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">DRAWING TITLE</th> <th>PACKAGE</th> </tr> <tr> <td colspan="2" style="text-align: center;">BAR ARRANGEMENT OF P13 FOOTING (5)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">DWG No.</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">P1-CS-2337</td> </tr> </table>	DRAWING TITLE		PACKAGE	BAR ARRANGEMENT OF P13 FOOTING (5)		1			DWG No.			P1-CS-2337
NAME	SIGNATURE	DATE																											
PREPARED BY	T. TOMODA																												
CHECKED BY	T. HAYAKAWA																												
APPROVED BY	Y. SANO																												
DRAWING TITLE		PACKAGE																											
BAR ARRANGEMENT OF P13 FOOTING (5)		1																											
		DWG No.																											
		P1-CS-2337																											

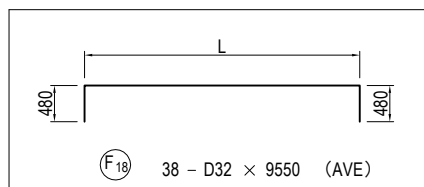
BAR ARRANGEMENT OF P13 FOOTING (6) S=1:100



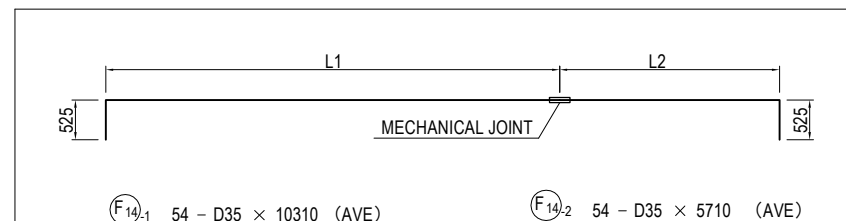
MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL
F12-1	D35	2	9095	9620	F12-2	D35	2	7825	8350
2	"	2	9088	9613	2	"	2	7818	8343
3	"	2	9077	9602	3	"	2	7807	8332
4	"	2	9060	9585	4	"	2	7790	8315
5	"	2	9038	9563	5	"	2	7768	8293
6	"	2	9010	9535	6	"	2	7740	8265
7	"	2	8965	9490	7	"	2	7695	8220
8	"	2	8930	9455	8	"	2	7660	8185
9	"	2	8889	9414	9	"	2	7619	8144
10	"	2	8822	9347	10	"	2	7552	8077
11	"	2	8761	9286	11	"	2	7491	8016
12	"	2	8684	9209	12	"	2	7414	7939
13	"	2	8620	9145	13	"	2	7350	7875
14	"	2	8541	9066	14	"	2	7271	7796
15	"	2	8464	8989	15	"	2	7194	7719
16	"	2	8384	8909	16	"	2	7114	7639
17	"	2	8298	8823	17	"	2	7028	7553
18	"	2	8204	8729	18	"	2	6934	7459
19	"	2	8105	8630	19	"	2	6835	7360
20	"	2	7958	8483	20	"	2	6688	7213
21	"	2	7713	8238	21	"	2	6443	6968
22	"	2	7533	8058	22	"	2	6263	6788
23	"	2	7383	7908	23	"	2	6113	6638
24	"	2	7220	7745	24	"	2	5950	6475
25	"	2	6976	7501	25	"	2	5706	6231
26	"	2	6721	7246	26	"	2	5451	5976
27	"	2	6495	7020	27	"	2	5225	5750
28	"	2	6112	6637	28	"	2	4842	5367
AVE		56		8745	AVE		56		7475



MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F17-2	D32	2	4215	4695
2	"	2	4166	4646
AVE		4		4671



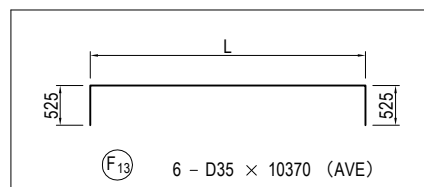
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F18	D32	2	10984	11944
2	"	2	10921	11881
3	"	2	10786	11746
4	"	2	10615	11575
5	"	2	10406	11366
6	"	2	10263	11223
7	"	2	9999	10959
8	"	2	9700	10660
9	"	2	9337	10297
10	"	2	8919	9879
11	"	2	8506	9466
12	"	2	8225	9185
13	"	2	7861	8821
14	"	2	7549	8509
15	"	2	7210	8170
16	"	2	6494	7454
17	"	2	5914	6874
18	"	2	5352	6312
19	"	2	4096	5056
AVE		38		9546



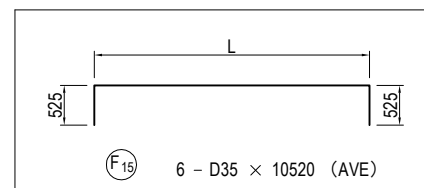
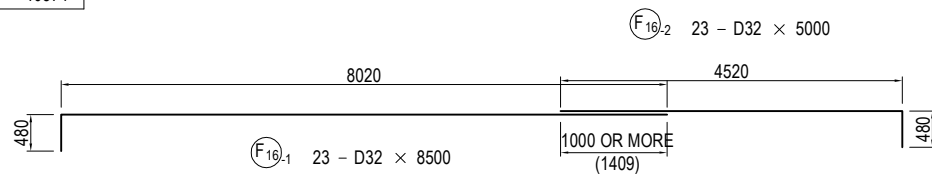
MARKS	DIA.	NOS. OF BARS	LENGTH L1	TOTAL LENGTH ΣL	MARKS	DIA.	NOS. OF BARS	LENGTH L2	TOTAL LENGTH ΣL
F14-1	D35	2	10610	11135	F14-2	D35	2	6010	6535
2	"	2	10603	11128	2	"	2	6003	6528
3	"	2	10591	11116	3	"	2	5991	6516
4	"	2	10574	11099	4	"	2	5974	6499
5	"	2	10551	11076	5	"	2	5951	6476
6	"	2	10523	11048	6	"	2	5923	6448
7	"	2	10477	11002	7	"	2	5877	6402
8	"	2	10440	10965	8	"	2	5840	6365
9	"	2	10398	10923	9	"	2	5798	6323
10	"	2	10329	10854	10	"	2	5729	6254
11	"	2	10266	10791	11	"	2	5666	6191
12	"	2	10186	10711	12	"	2	5586	6111
13	"	2	10121	10646	13	"	2	5521	6046
14	"	2	10039	10564	14	"	2	5439	5964
15	"	2	9959	10484	15	"	2	5359	5884
16	"	2	9876	10401	16	"	2	5276	5801
17	"	2	9787	10312	17	"	2	5187	5712
18	"	2	9689	10214	18	"	2	5089	5614
19	"	2	9586	10111	19	"	2	4986	5511
20	"	2	9433	9958	20	"	2	4833	5358
21	"	2	9176	9701	21	"	2	4576	5101
22	"	2	8987	9512	22	"	2	4387	4912
23	"	2	8828	9353	23	"	2	4228	4753
24	"	2	8654	9179	24	"	2	4054	4579
25	"	2	8393	8918	25	"	2	3793	4318
26	"	2	8116	8641	26	"	2	3516	4041
27	"	2	7867	8392	27	"	2	3267	3792
AVE		54		10305	AVE		54		5705



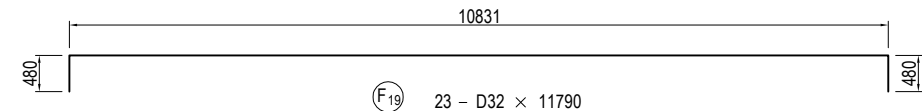
MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F20	D32	2	10814	11774
2	"	2	10764	11724
3	"	2	10680	11640
4	"	2	10615	11575
5	"	2	10476	11436
6	"	2	10300	11260
7	"	2	10085	11045
8	"	2	9936	10896
9	"	2	9664	10624
10	"	2	9354	10314
11	"	2	8977	9937
12	"	2	8541	9501
13	"	2	8109	9069
14	"	2	7814	8774
15	"	2	7431	8391
16	"	2	7099	8059
17	"	2	6738	7698
18	"	2	5965	6925
19	"	2	5328	6288
20	"	2	4696	5656
21	"	2	3192	4152
AVE		42		9368



MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F13	D35	2	10336	11386
2	"	2	9595	10645
3	"	2	8042	9092
AVE		6		10374



MARKS	DIA.	NOS. OF BARS	LENGTH L	TOTAL LENGTH ΣL
F15	D35	2	10271	11321
2	"	2	9541	10591
3	"	2	8598	9648
AVE		6		10520

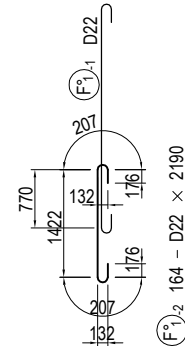
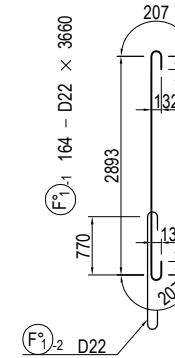
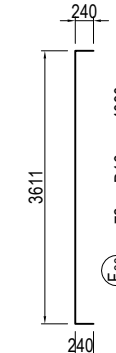
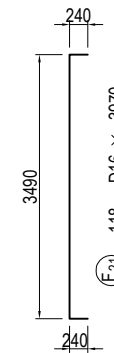
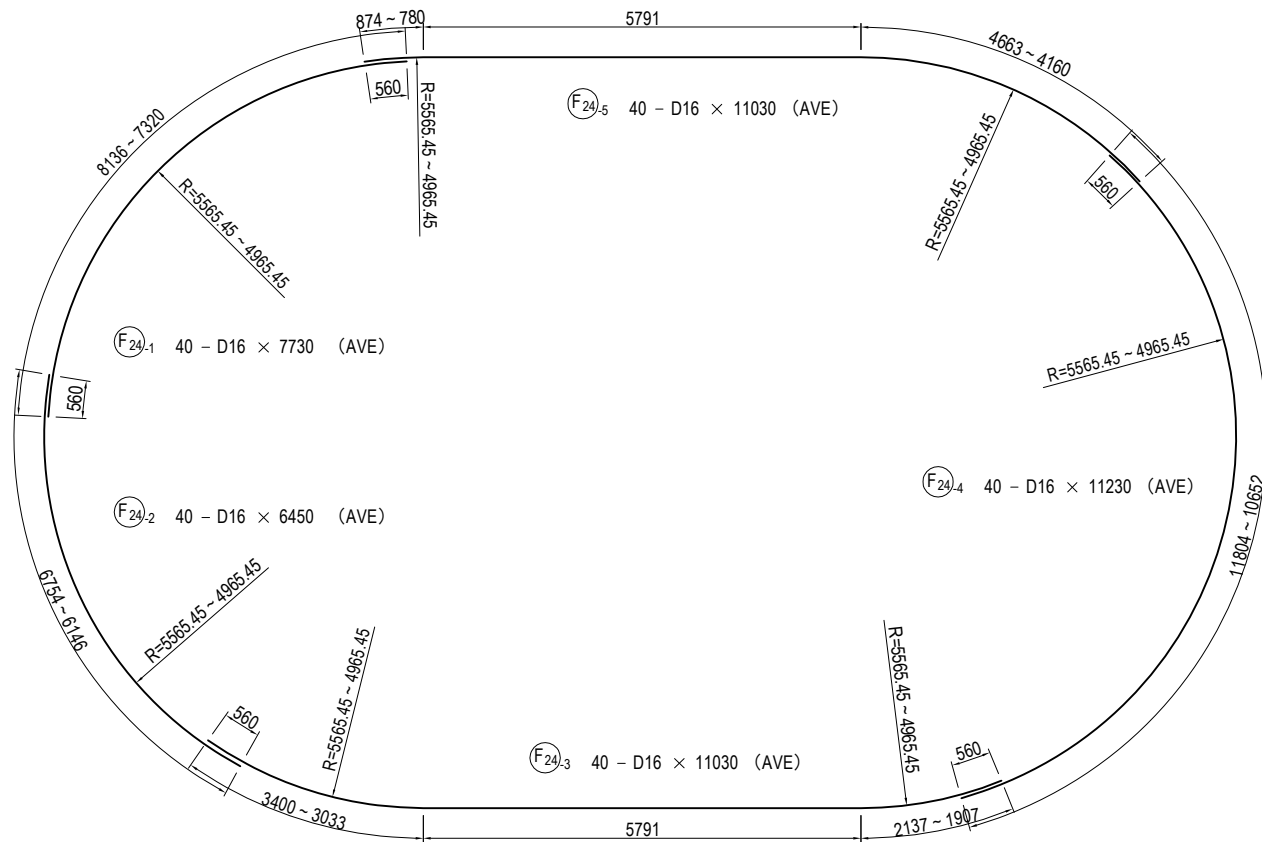
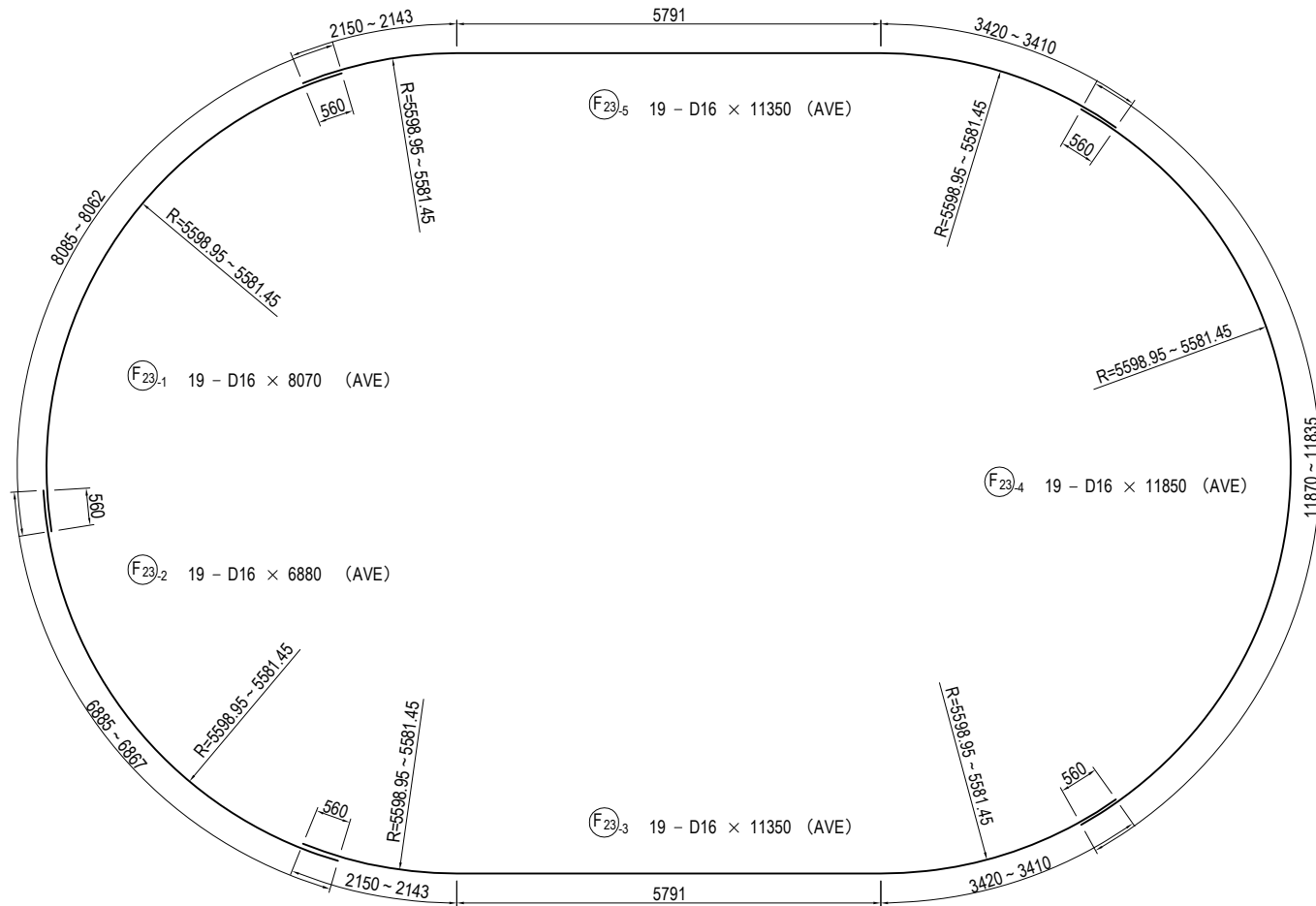


USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE BAR ARRANGEMENT OF P13 FOOTING (6)	PACKAGE 1 DWG No. P1-CS-2338
				PREPARED BY	T. HAYAKAWA			
				CHECKED BY	Y. SANO			
				APPROVED BY				

BAR ARRANGEMENT OF P13 FOOTING (7) S=1:100



Note) The joint position of the reinforcing bar is rotated 180 degrees for each step arranged.

USE MATERIALS

	CONCRETE	BAR
FOOTING	σ _{ck} = 24 N/mm ²	SD345

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
BAR ARRANGEMENT OF P13 FOOTING (7)

PACKAGE
1
DWG No.
P1-CS-2339

BAR ARRANGEMENT OF P13 FOOTING (8) NOT TO SCALE

BAR SCHEDULE

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 1-1	D51	9220	62	15.9	146.60	9089	← (62) (AVE)
1-2	"	6920	62	"	110.03	6822	← (AVE)
2-1	"	10000	60	"	159.00	9540	← (60) (AVE)
2-2	"	5940	60	"	94.45	5667	← (AVE)
3-1	"	8660	18	"	137.69	2478	← (18)
3-2	"	4000	18	"	63.60	1145	←
4-1	"	9270	5	"	147.39	737	← (5)
4-2	"	3530	5	"	56.13	281	←
5-1	"	7290	22	"	115.91	2550	← (22) (AVE)
5-2	"	3930	22	"	62.49	1375	← (AVE)
6	"	9820	18	"	156.14	2811	← (AVE)
7-1	"	3330	2	"	52.95	106	← (2)
7-2	"	2300	2	"	36.57	73	←
8-1	"	7620	23	"	121.16	2787	← (23)
8-2	"	4740	23	"	75.37	1734	←
9-1	"	8560	20	"	136.10	2722	← (20) (AVE)
9-2	"	2500	20	"	39.75	795	←
10	"	9190	20	"	146.12	2922	← (AVE)
11-1	"	3730	2	"	59.31	119	← (2)
11-2	"	2500	2	"	39.75	80	←
12-1	D35	8750	56	7.51	65.71	3680	← (56) (AVE)
12-2	"	7480	56	"	56.17	3146	← (AVE)
13	"	10370	6	"	77.88	467	← (6) (AVE)
14-1	"	10310	54	"	77.43	4181	← (54) (AVE)
14-2	"	5710	54	"	42.88	2316	← (AVE)
15	"	10520	6	"	79.01	474	← (AVE)
16-1	D32	8500	23	6.23	52.96	1218	←
16-2	"	5000	23	"	31.15	716	←
17-1	"	8500	4	"	52.96	212	←
17-2	"	4980	4	"	31.03	124	← (AVE)
18	"	9550	38	"	59.50	2261	← (AVE)
19	"	11790	23	"	73.45	1689	"
20	"	9370	42	"	58.38	2452	" (AVE)

MARKS	DIA.	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	REMARKS
F 21	D16	3970	118	1.56	6.19	730	┌
22	"	4090	72	"	6.38	459	"
23-1	"	8070	19	"	12.59	239	└ (AVE)
23-2	"	6880	19	"	10.73	204	└ (AVE)
23-3	"	11350	19	"	17.71	336	└ (AVE)
23-4	"	11850	19	"	18.49	351	└ (AVE)
23-5	"	11350	19	"	17.71	336	└ (AVE)
24-1	"	7730	40	"	12.06	482	└ (AVE)
24-2	"	6450	40	"	10.06	402	└ (AVE)
24-3	"	11030	40	"	17.21	688	└ (AVE)
24-4	"	11230	40	"	17.52	701	└ (AVE)
24-5	"	11030	40	"	17.21	688	└ (AVE)
SUBTOTAL						82385 kg	
F° 1-1	D22	3660	164	3.04	11.13	1825	└
1-2	"	2190	164	"	6.66	1092	"
SUBTOTAL						2917 kg	
(MECHANICAL JOINT)							
				D51	53833 kg	(214)	
				D35	14264 "	(110)	
				D32	8672 "		
				D22	2917 "		
				D16	5616 "		
				TOTAL	85302 kg	(324)	

USE MATERIALS

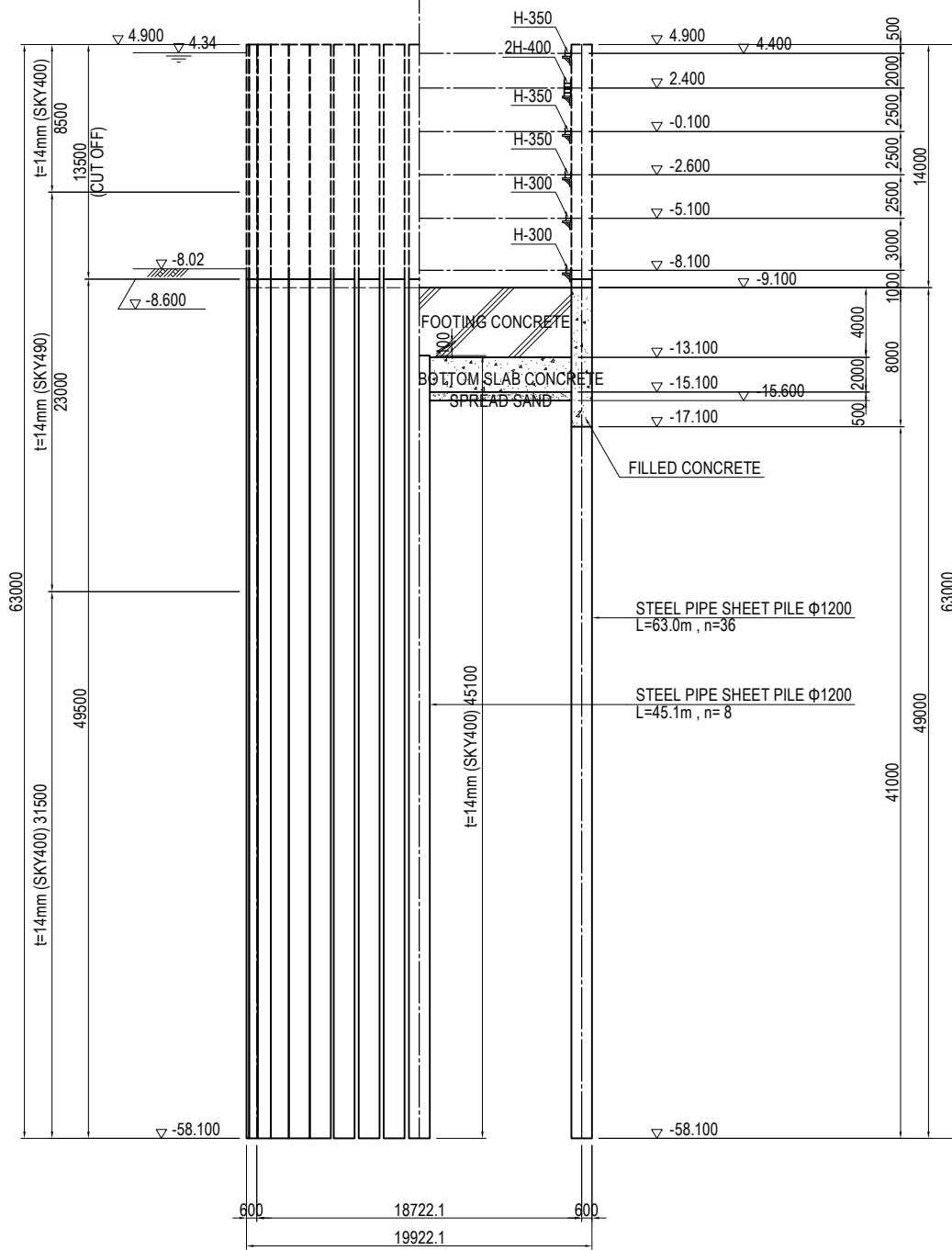
	CONCRETE	BAR
FOOTING	σck = 24 N/mm ²	SD345

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE		
				PREPARED BY	T. TOMODA				BAR ARRANGEMENT OF P13 FOOTING (8)	1
				CHECKED BY	T. HAYAKAWA					DWG No.
				APPROVED BY	Y. SANO					P1-CS-2340

GENERAL DRAWING OF STEEL PIPE SHEET PILE FOUNDATION OF P13 PIER S=1:400

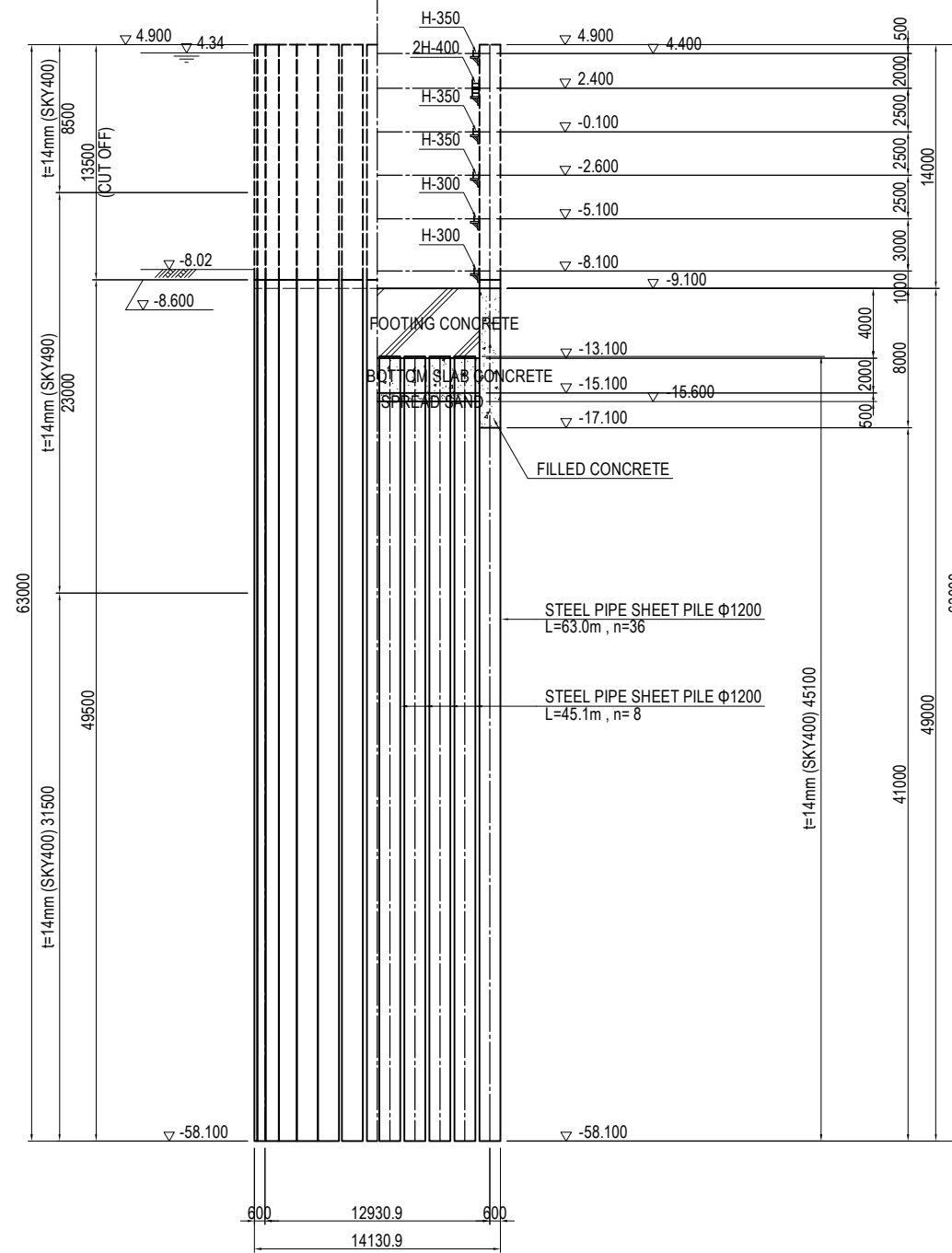
FRONT ELEVATION

1-1 2-2

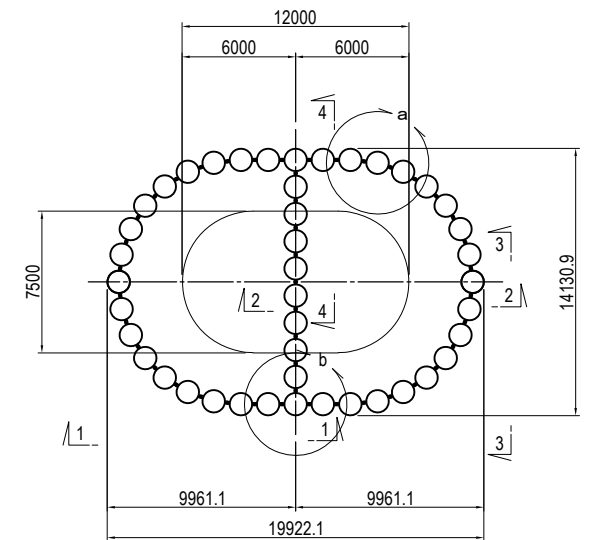


SIDE ELEVATION

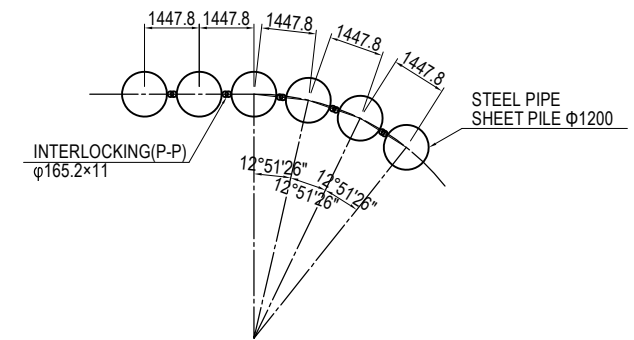
3-3 4-4



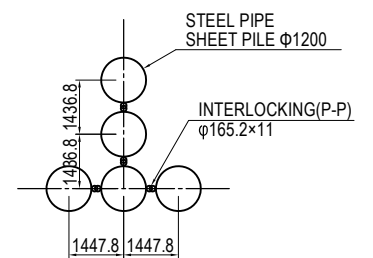
PLAN



DETAIL a S=1:200



DETAIL b S=1:200



USE MATERIALS

	CONCRETE	BAR
FOOTING	$\sigma_{ck} = 24 \text{ N/mm}^2$	SD345

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
GENERAL DRAWING OF STEEL PIPE SHEET PILE
FOUNDATION OF P13 PIER

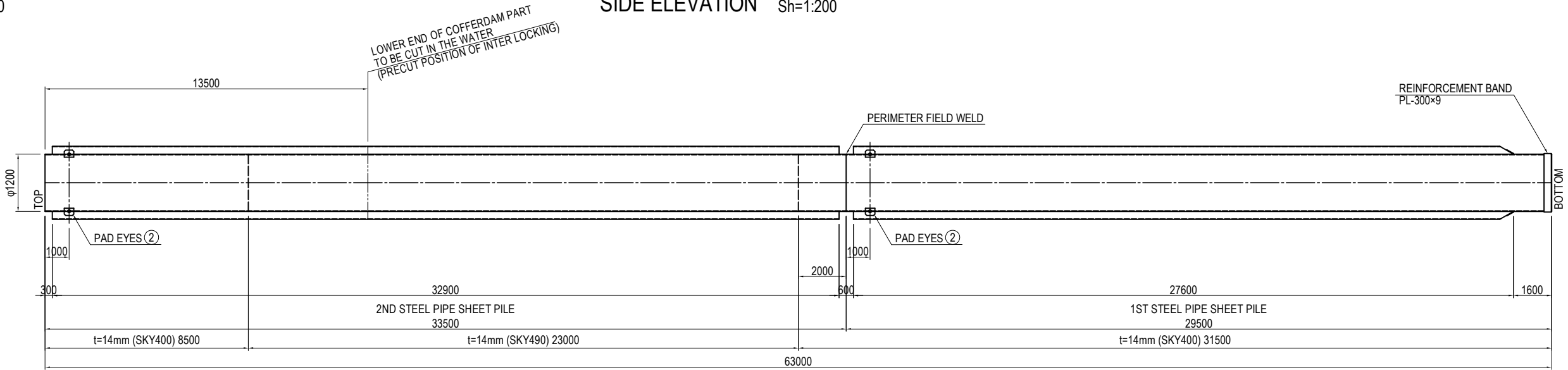
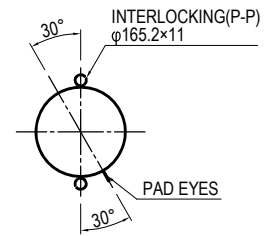
PACKAGE
1
DWG No.
P1-CS-2341

DETAIL OF STEEL PIPE SHEET PILE OF P13 PIER (1)

CROSS SECTION S=1:200

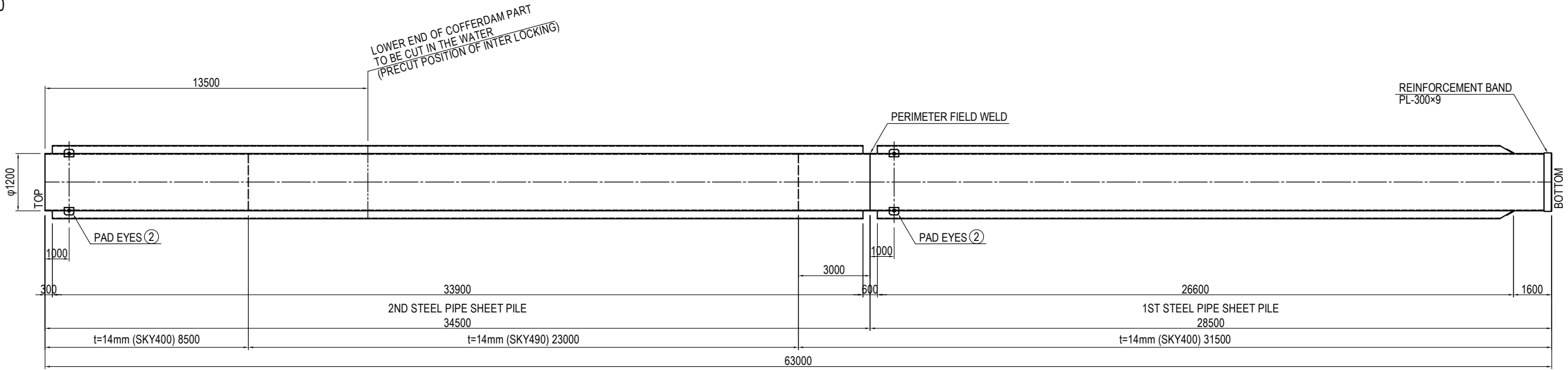
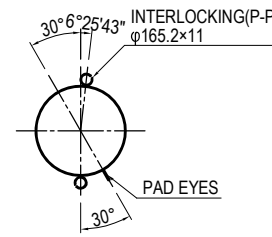
SIDE ELEVATION Sv=1:100 Sh=1:200

TYPE A

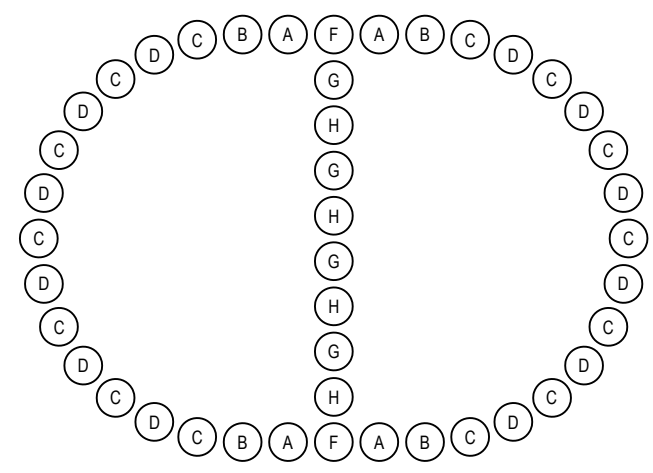


CROSS SECTION S=1:200

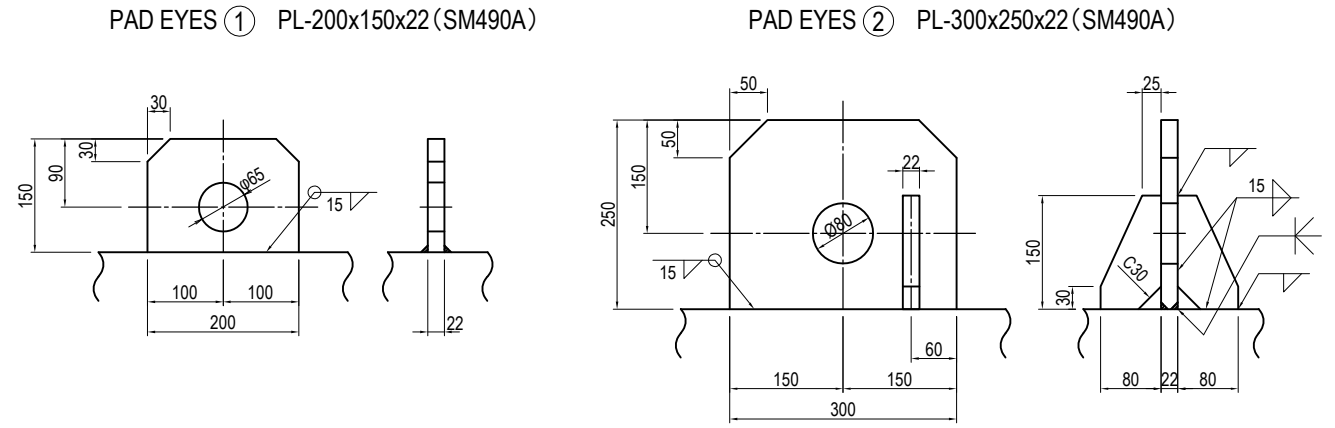
TYPE B



STEEL PIPE SHEET PILE TYPE AND POSITION



DETAIL OF EYES S=1:10



Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

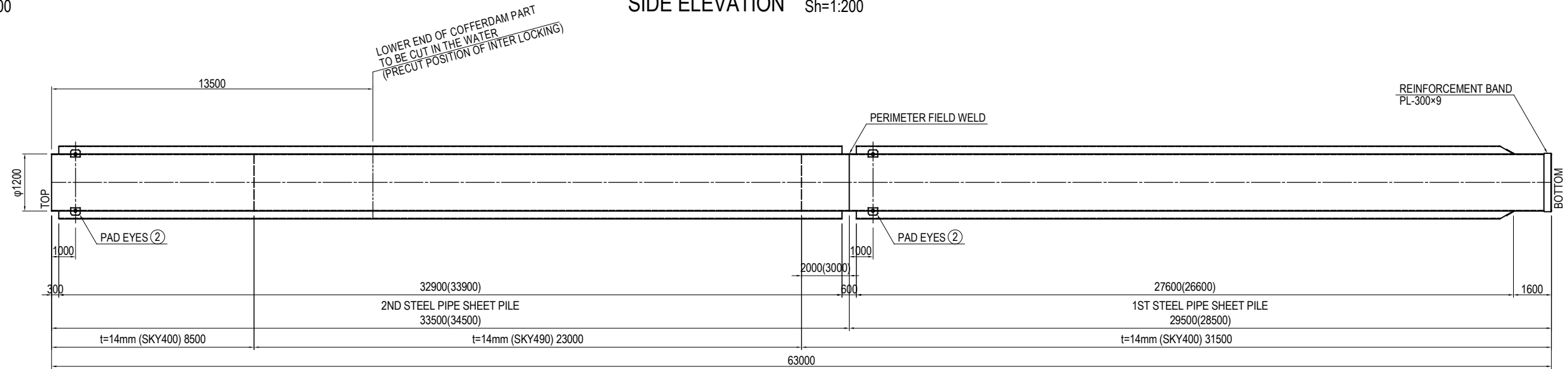
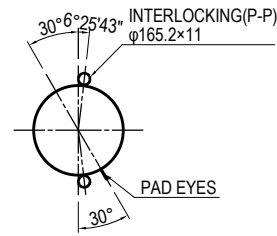
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL PIPE SHEET PILE OF P13 PIER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2342

DETAIL OF STEEL PIPE SHEET PILE OF P13 PIER (2)

CROSS SECTION S=1:200

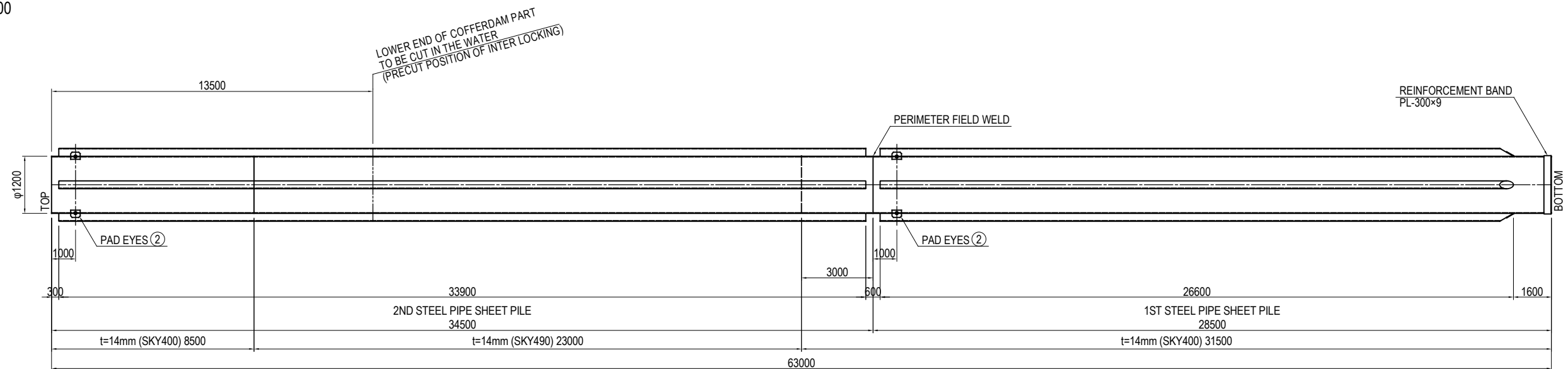
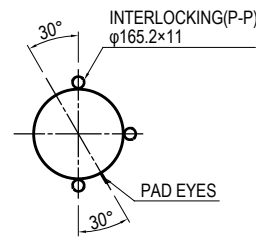
SIDE ELEVATION Sv=1:100 Sh=1:200

**TYPE C
(TYPE D)**



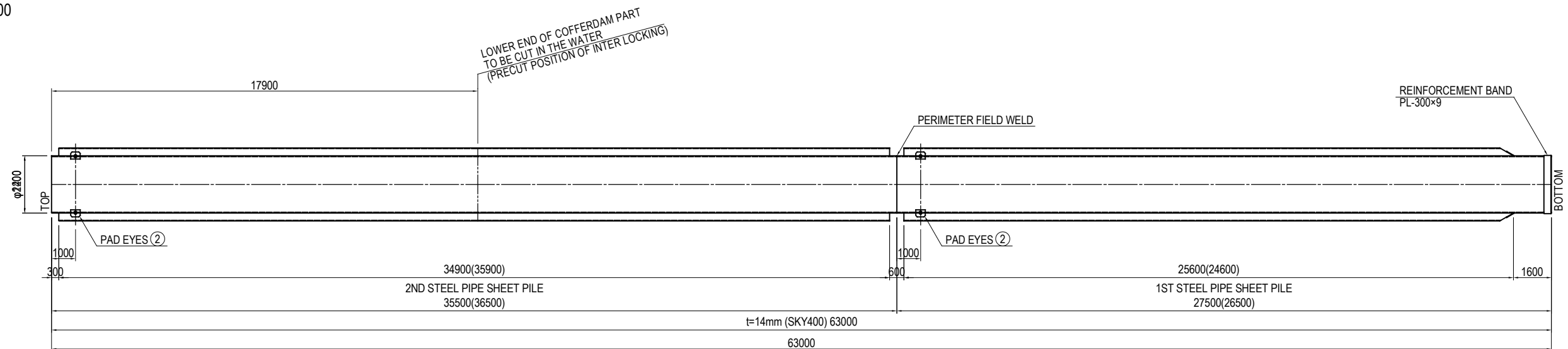
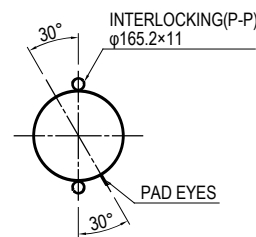
CROSS SECTION S=1:200

TYPE F



CROSS SECTION S=1:200

**TYPE G
(TYPE H)**

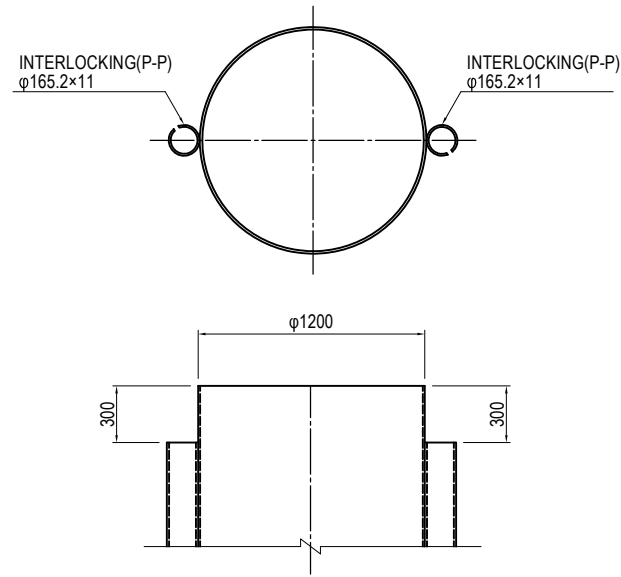


Note: Drawing of Pad Eye (metal fitting for hanging) and the position of perimeter field weld can be used for reference only.

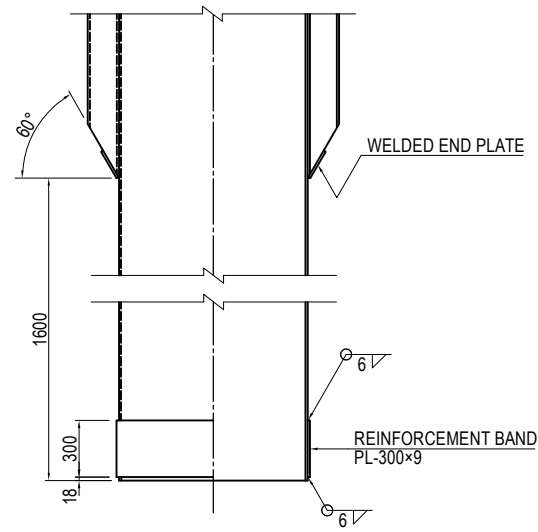
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">SIGNATURE</th> <th style="text-align: left;">DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center;">DETAIL OF STEEL PIPE SHEET PILE OF P13 PIER (2)</p>	<p>PACKAGE</p> <p style="text-align: center;">1</p> <p>DWG No.</p> <p style="text-align: center;">P1-CS-2343</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P13 PIER

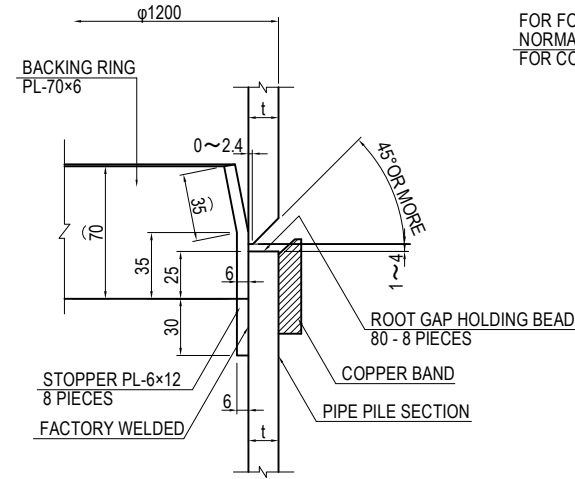
DETAIL OF STEEL PIPE SHEET PILE TOP S=1:40



DETAIL OF STEEL PIPE SHEET PILE TOE S=1:40

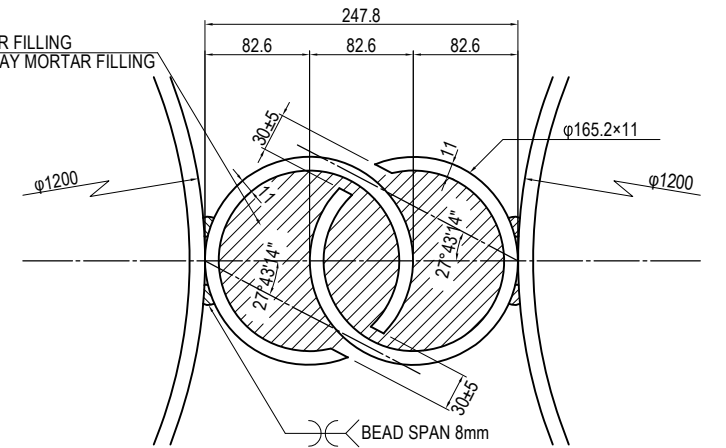


DETAIL OF PERIMETER FIELD WELDING OF STEEL PIPE SHEET PILE S=1:4



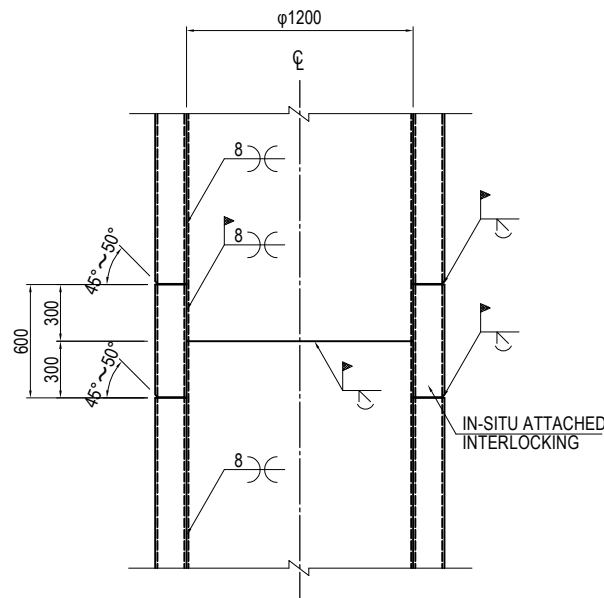
FOR FOUNDATION PART :
NORMAL STRENGTH MORTAR FILLING
FOR COFFERDAM PART : CLAY MORTAR FILLING

DETAIL OF CONNECTED INTERLOCKING(P-P) S=1:6

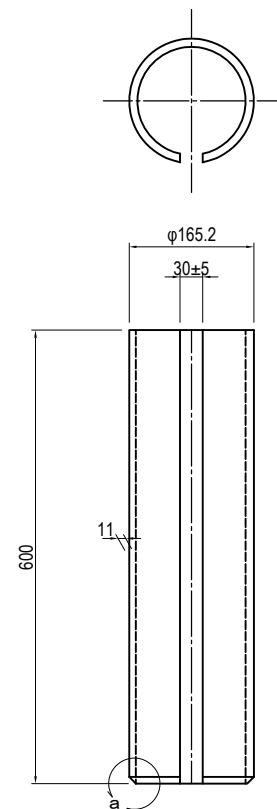


TREATMENT OF STEEL PIPE SHEET PILE INTERLOCKING

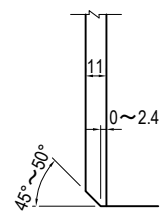
DETAIL OF IN-SITU LONGITUDINAL WELDING PART S=1:40



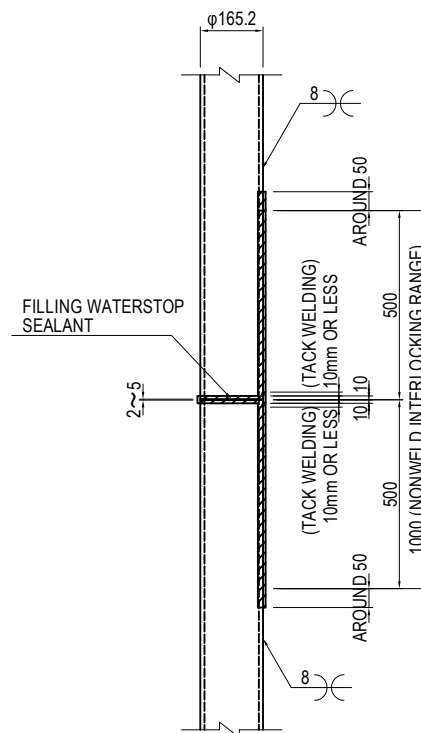
DETAIL OF IN-SITU ATTACHED INTERLOCKING S=1:10



DETAIL a

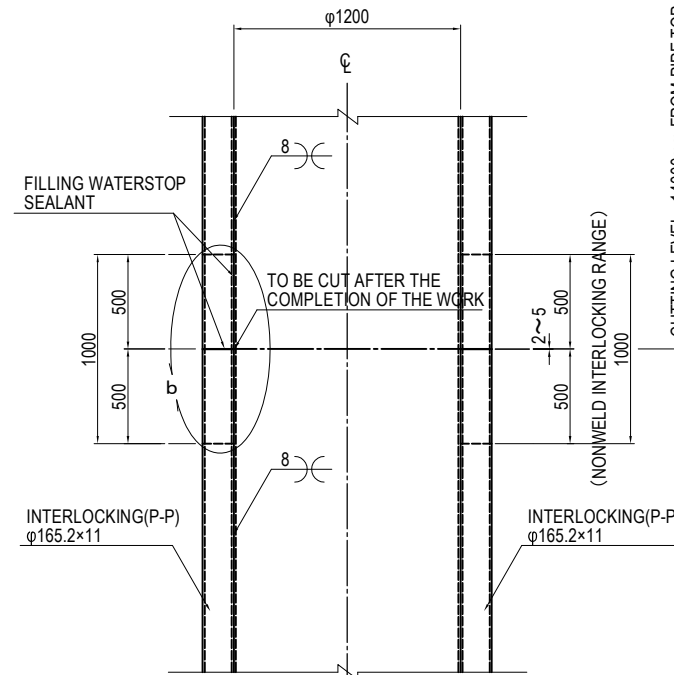


DETAIL b

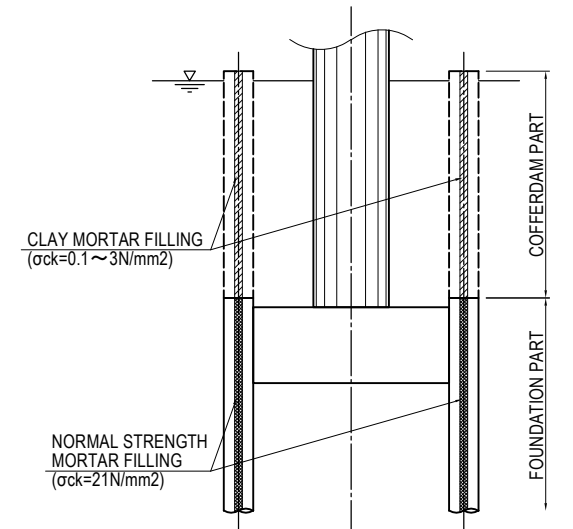


CUTTING LEVEL : 1400mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

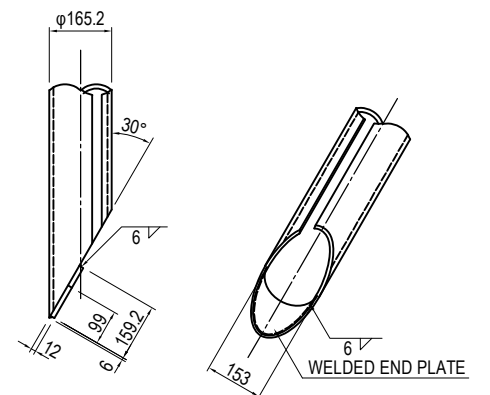
DETAIL OF PRECUT INTERLOCKING S=1:40



CUTTING LEVEL : 1400mm FROM PIPE TOP FOR EXTERNAL-WALL SHEET PILING.

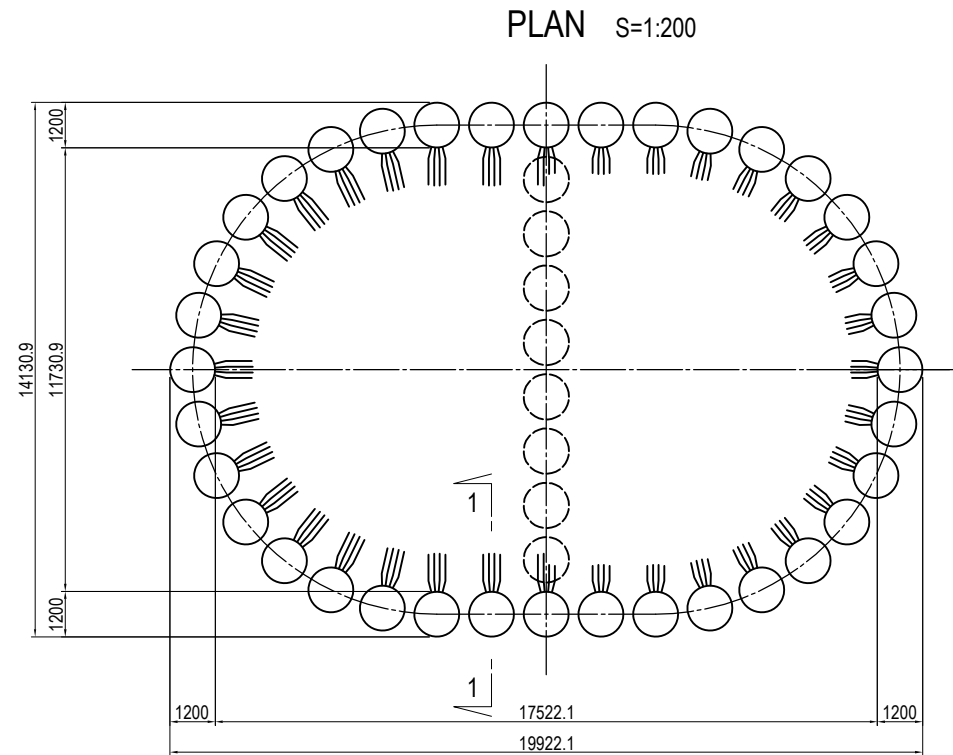


DETAIL OF INTERLOCKING TOE S=1:20

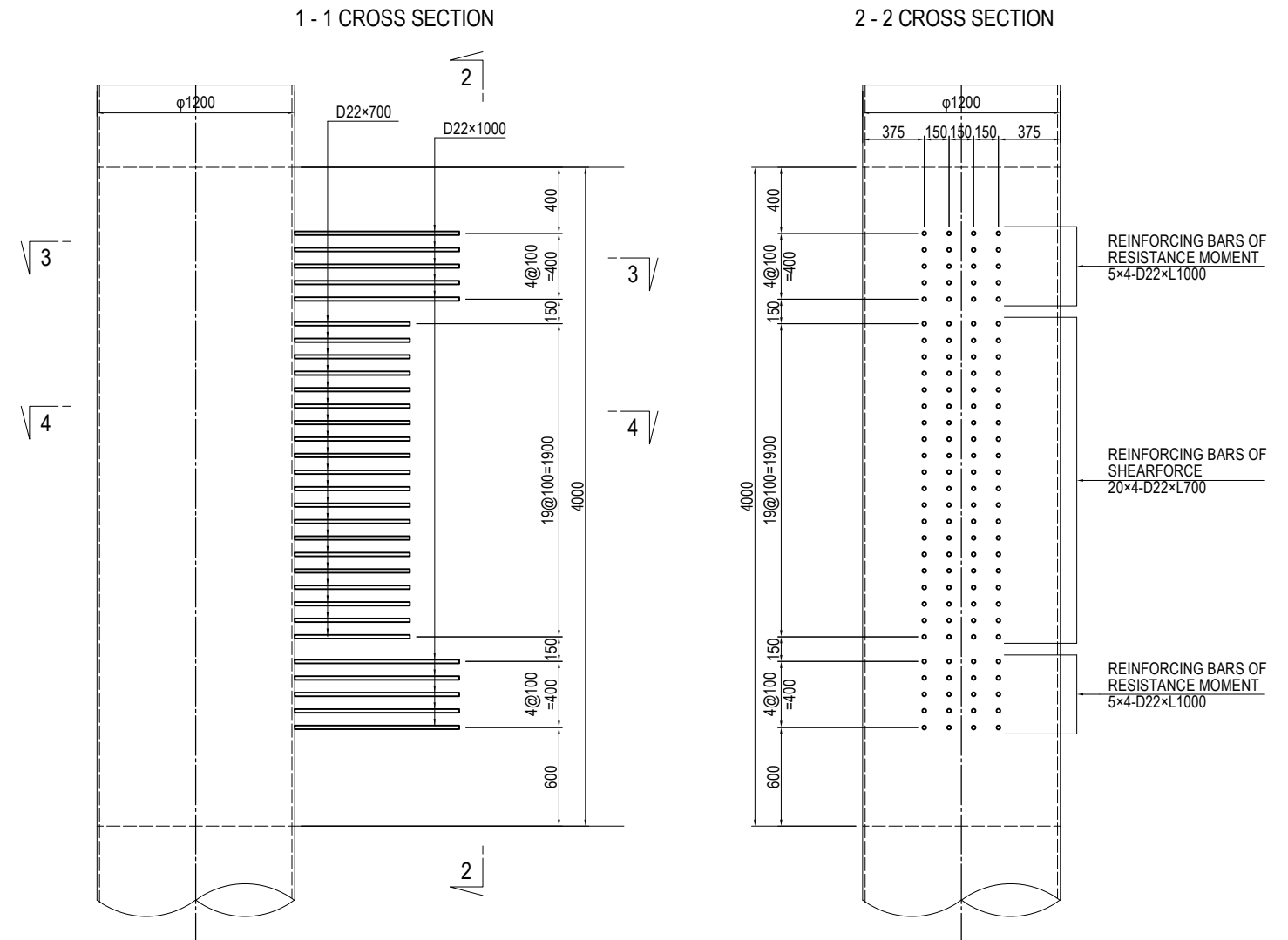


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF INTERLOCKING OF STEEL PIPE SHEET PILE OF P13 PIER	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2344

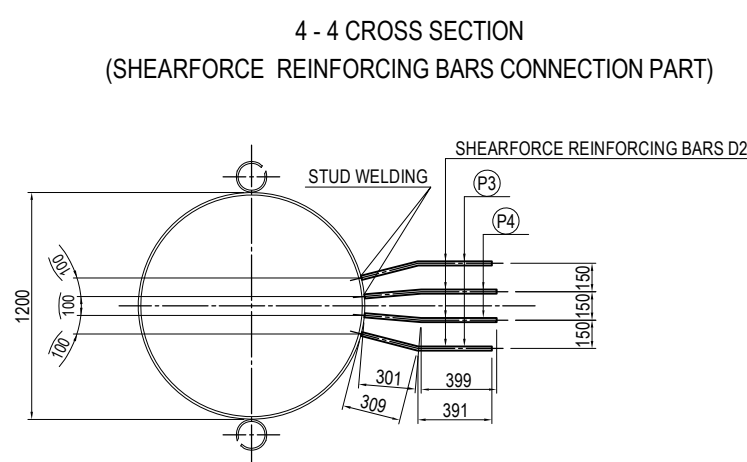
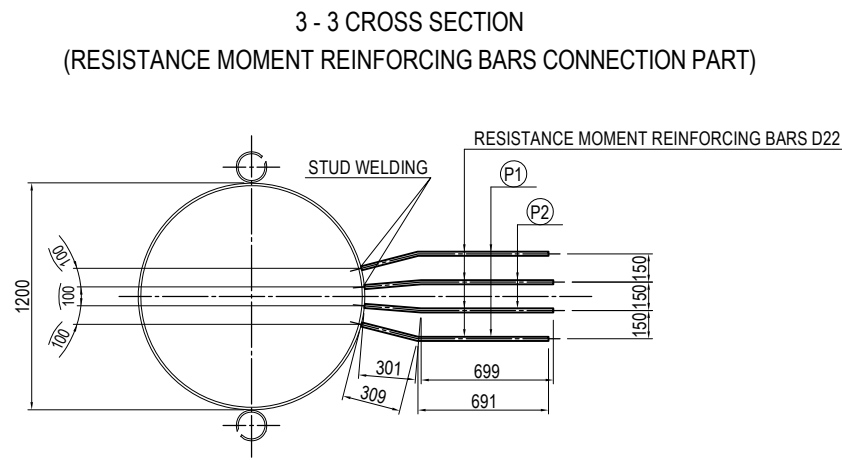
DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING OF P13 PIER



DETAIL OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND FOOTING S=1:40



CROSS SECTION OF CONNECTION BETWEEN STEEL PIPE SHEET PILE AND REINFORCING BARS S=1:40



FABRICATION OF REINFORCING BARS S=1:40

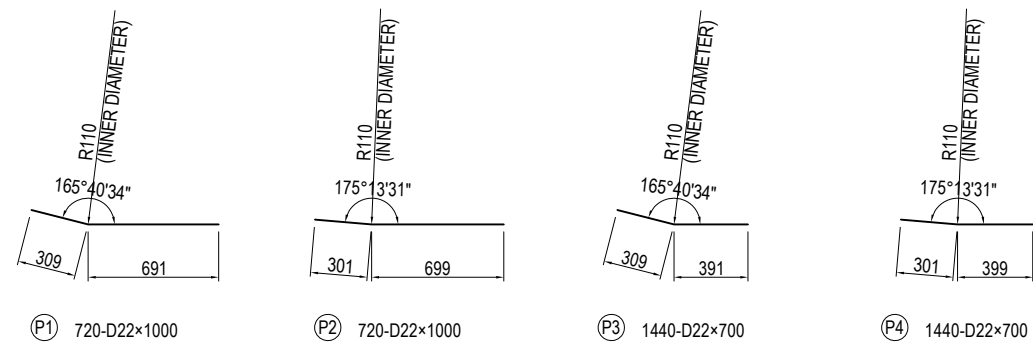
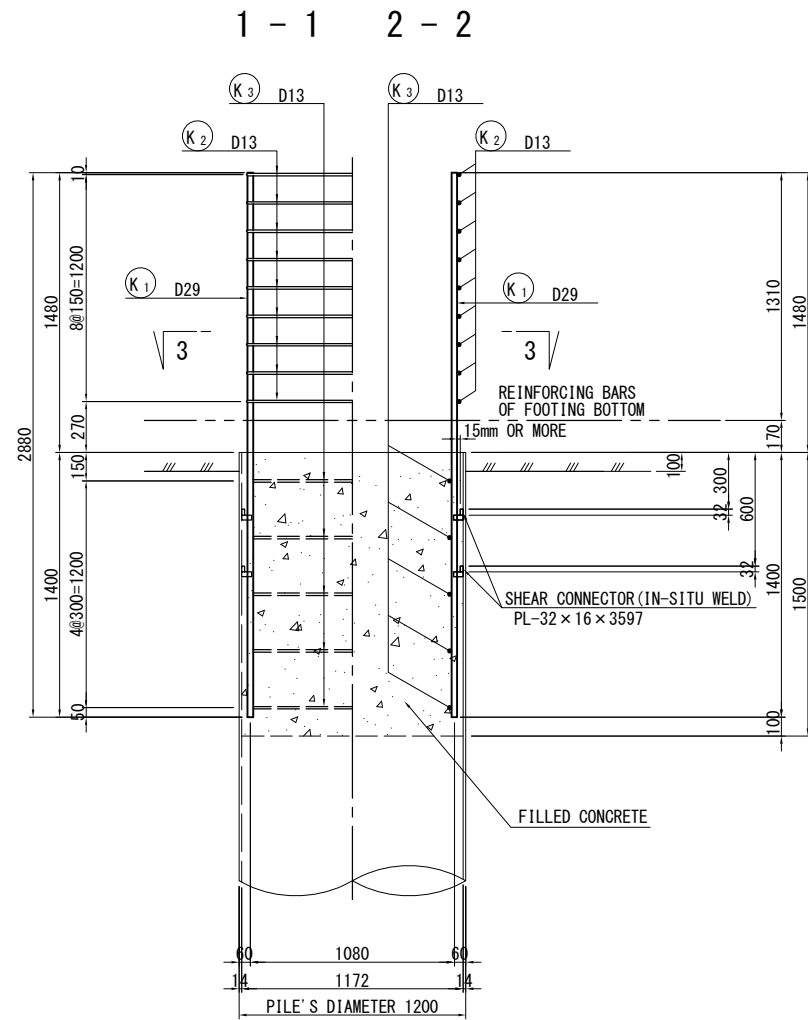


TABLE OF REINFORCING BARS

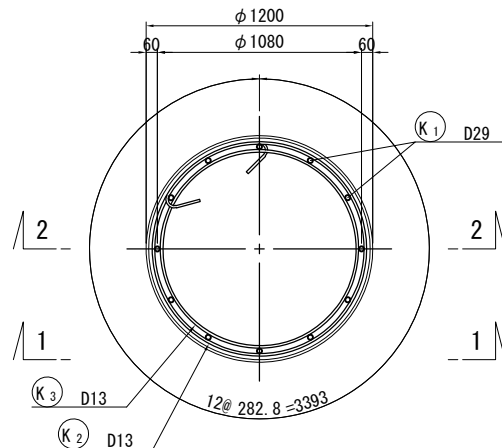
MARK	TYPE	LENGTH (mm)	PIECES (piece)	UNIT WEIGHT (kg/m)	UNIT WEIGHT (kg/piece)	WEIGHT (kg)	GRADE	MEMO
P1	D22	1000	720	3.04	3.04	2188.8	SD345 for STUD WELDING	
P2	D22	1000	720	3.04	3.04	2188.8	SD345 for STUD WELDING	
P3	D22	700	1440	3.04	2.13	3067.2	SD345 for STUD WELDING	
P4	D22	700	1440	3.04	2.13	3067.2	SD345 for STUD WELDING	
					D22	10512.0 kg		
					TOTAL WEIGHT	10512.0 kg		

DETAIL OF PILE TOP CONNECTION TO THE BASE CONCRETE OF P13 PIER S=1:40

DETAIL OF PILE TOP

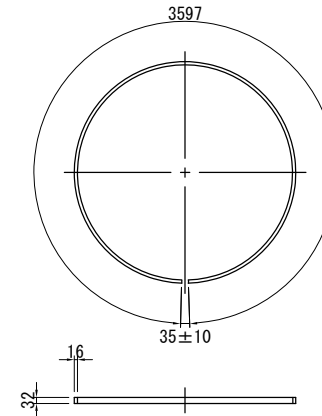


3 - 3

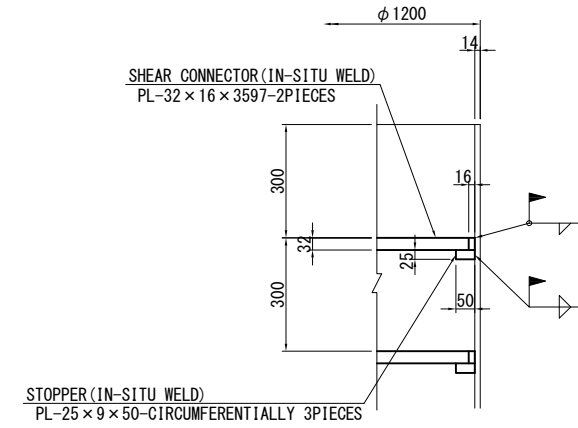


DETAIL OF ATTACHMENT OF SHEAR CONNECTOR

CENTER OF LENGTH

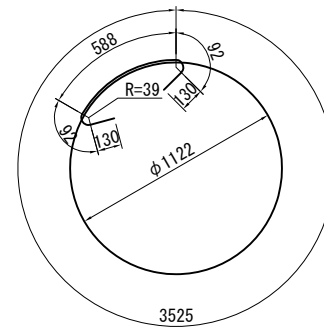


SETTING IN THE FIELD S=1:20

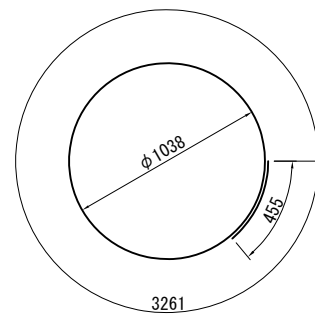


MATERIAL LIST

MARKS	SECTION SIZE	LENGTH (mm)	NOS. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT/EA. (kg)	WEIGHT (kg)	MATERIAL	REMARKS
PILE TOP ACCOMPANYING ITEMS								
PL	PL-32*16	3597	2	4.019	14.456	28.9	SS400	SHEAR CONNECTOR
PL	PL-25*9	50	6	1.766	0.088	0.5	SS400	STOPPER
REINFORCEMENT								
K1	D29	2880	12	5.04	14.52	174	SD345	
K2	D13	4560	9	0.995	4.54	41	SD345	○
K3	D13	3720	5	0.995	3.70	19	SD345	○
TOTAL						234		
FILLED CONCRETE (σ _{ck} = 24 N/mm ²)								
V = 1/4 × π × 1.172 ² × 1.300 = 1.402 m ³								



(K₂) 9 - D13 × 4560

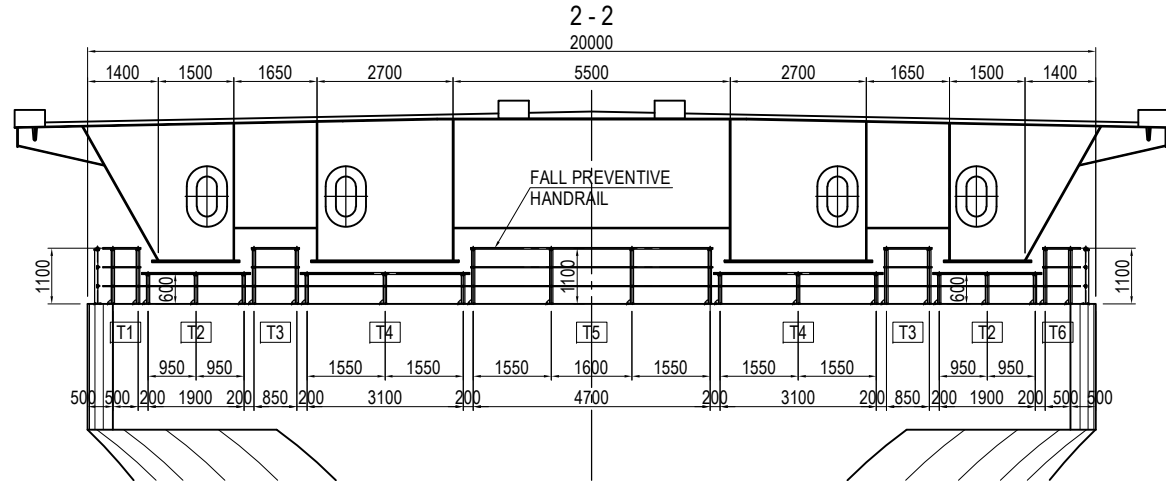


(K₃) 5 - D13 × 3720

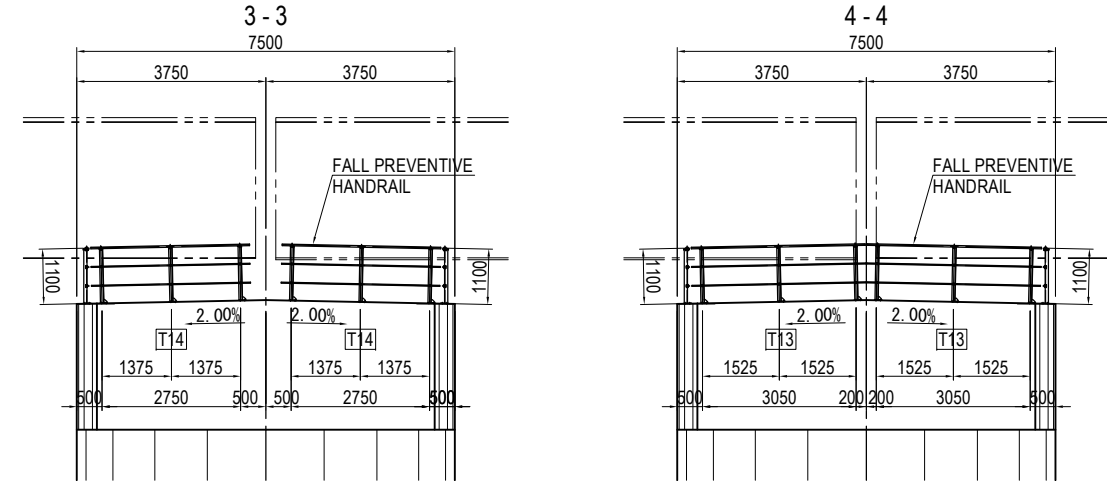
ITEM	DIVISION	UNIT CONTENT	WEIGHT/EA.	QUANTITY
NUMBER OF PILE		Number		8
PILE TOP	SS400	TOTAL	kg	29.4
REINFORCEMENT	SD345	D29	kg	174
		D13	kg	60
		TOTAL	kg	234
FILLED CONCRETE	σ _{ck} = 24 N/mm ²	m ³	1.402	11.2

FALL PREVENTIVE HANDRAIL OF P13 PIER (1) S=1:150

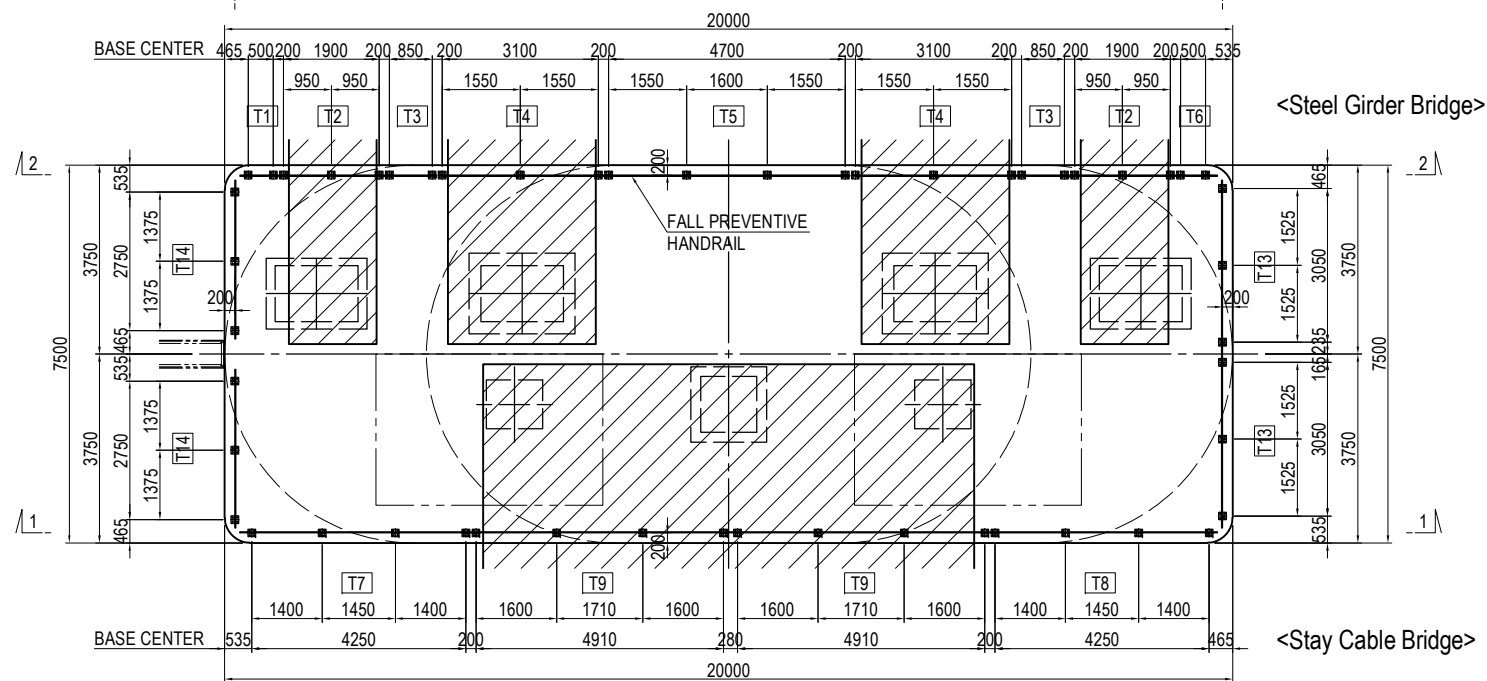
FRONT ELEVATION



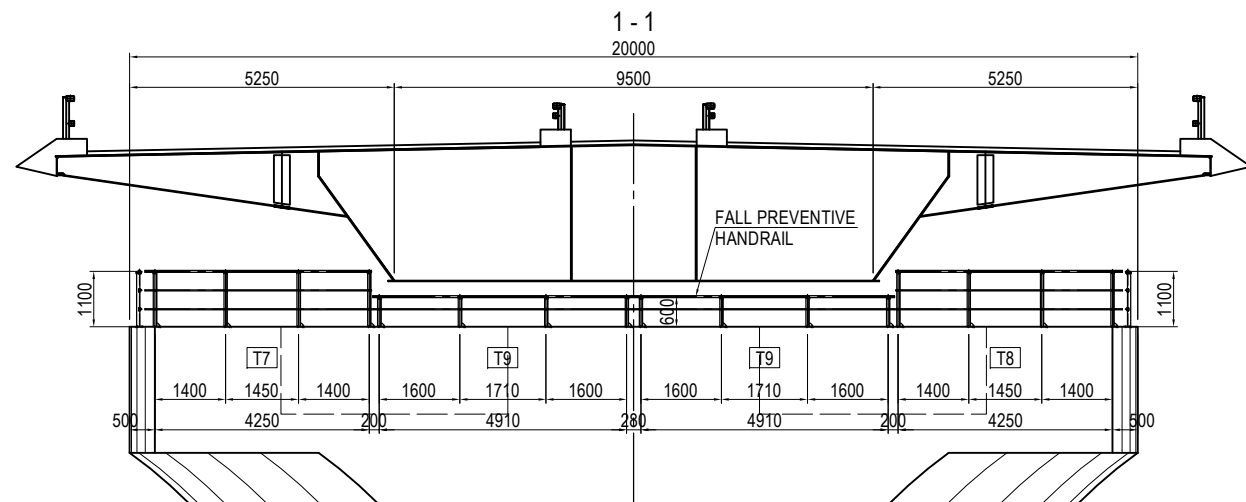
SIDE ELEVATION



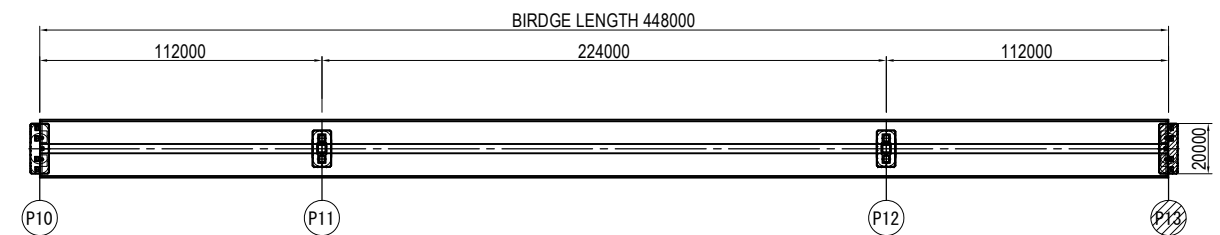
PLAN



FRONT ELEVATION

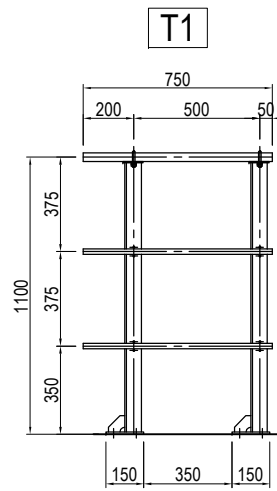


KEY PLAN

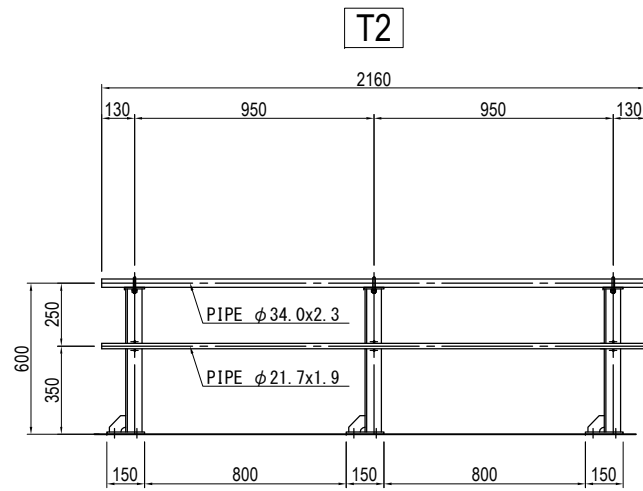


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P13 PIER (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T.HAYAKAWA			DWG No.
				APPROVED BY	Y.SANO			P1-CS-2347

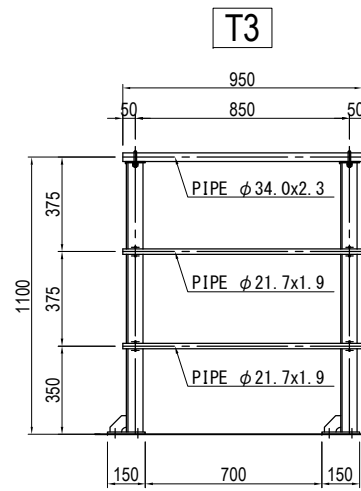
FALL PREVENTIVE HANDRAIL OF P13 PIER (2) S=1:30



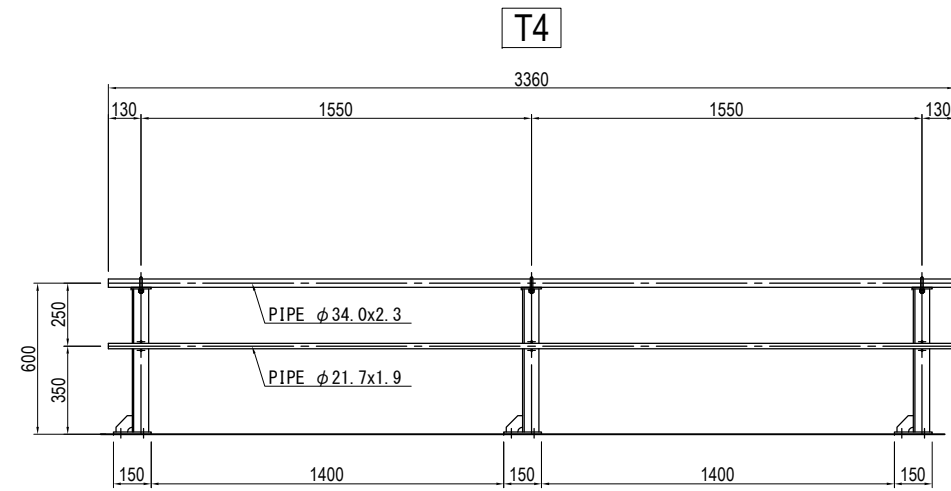
- <T1> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x750 (STK400)
 2-PIPE φ21.7x1.9x750 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



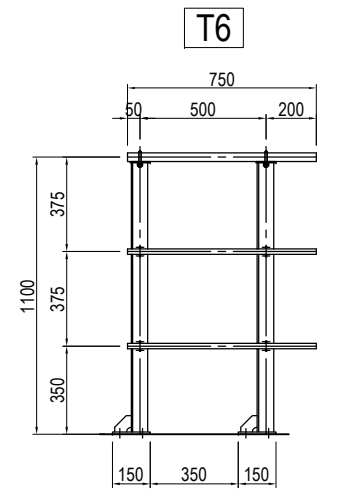
- <T2> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x2160 (STK400)
 1-PIPE φ21.7x1.9x2160 (STK400)
 3-L 65x65x6x569
 3-PL 115x6x80 (SM400A)
 3-BASE PL 150x9x150 (SM400A)
 3-RIB PL 65x6x65 (SM400A)
 3-U. Bolt M10 Nominal25C
 3-U. Bolt M10 Nominal15C
 12-Driving anchor M16x125



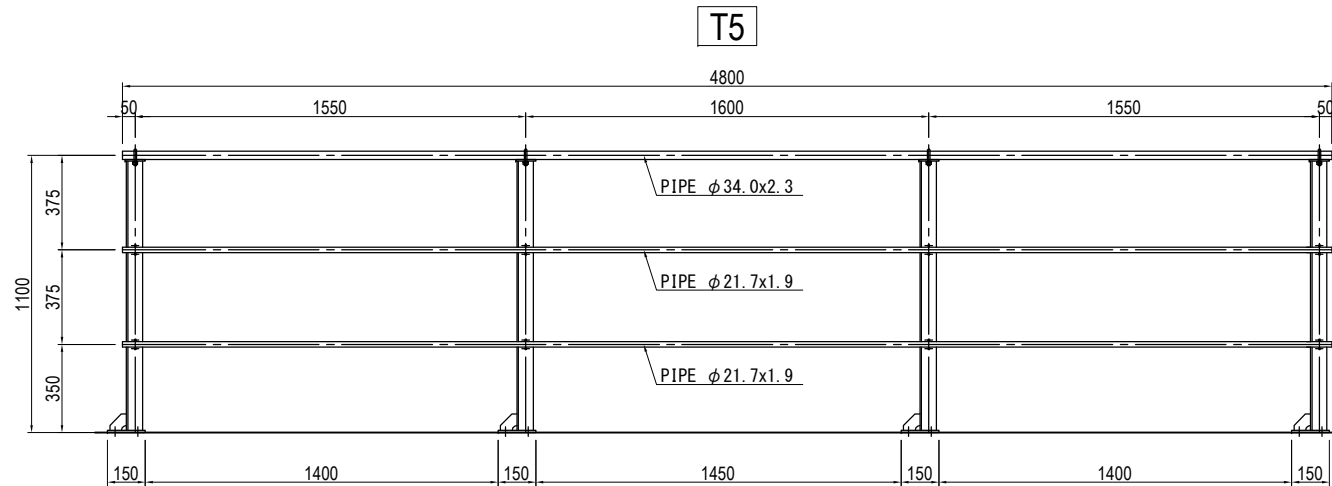
- <T3> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x950 (STK400)
 2-PIPE φ21.7x1.9x950 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



- <T4> Production volume : 2(per pier)
 1-PIPE φ34.0x2.3x3360 (STK400)
 1-PIPE φ21.7x1.9x3360 (STK400)
 3-L 65x65x6x569
 3-PL 115x6x80 (SM400A)
 3-BASE PL 150x9x150 (SM400A)
 3-RIB PL 65x6x65 (SM400A)
 3-U. Bolt M10 Nominal25C
 3-U. Bolt M10 Nominal15C
 12-Driving anchor M16x125



- <T6> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x750 (STK400)
 2-PIPE φ21.7x1.9x750 (STK400)
 2-L 65x65x6x1069
 2-PL 115x6x80 (SM400A)
 2-BASE PL 150x9x150 (SM400A)
 2-RIB PL 65x6x65 (SM400A)
 2-U. Bolt M10 Nominal25C
 4-U. Bolt M10 Nominal15C
 8-Driving anchor M16x125



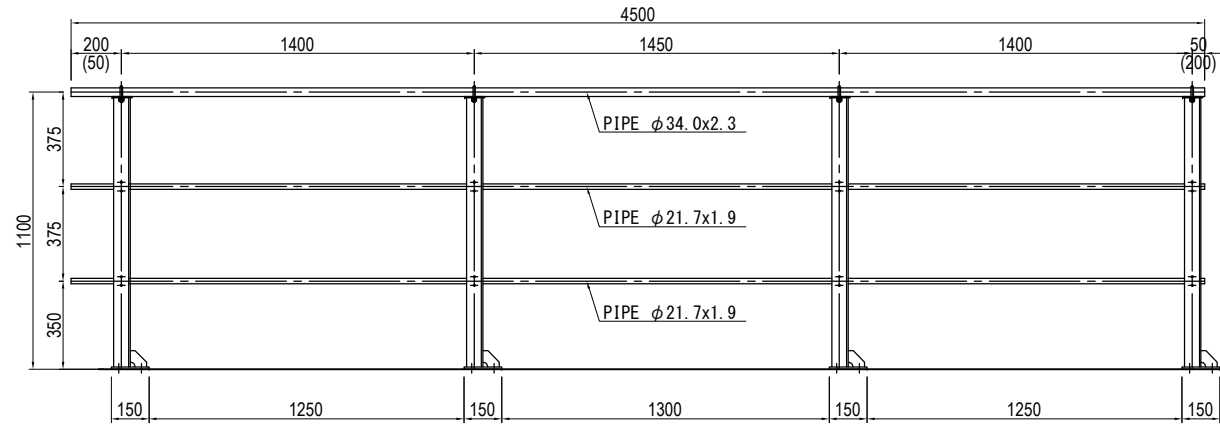
- <T5> Production volume : 1(per pier)
 1-PIPE φ34.0x2.3x4800 (STK400)
 2-PIPE φ21.7x1.9x4800 (STK400)
 4-L 65x65x6x1069
 4-PL 115x6x80 (SM400A)
 4-BASE PL 150x9x150 (SM400A)
 4-RIB PL 65x6x65 (SM400A)
 4-U. Bolt M10 Nominal25C
 8-U. Bolt M10 Nominal15C
 16-Driving anchor M16x125

Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P13 PIER (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2348

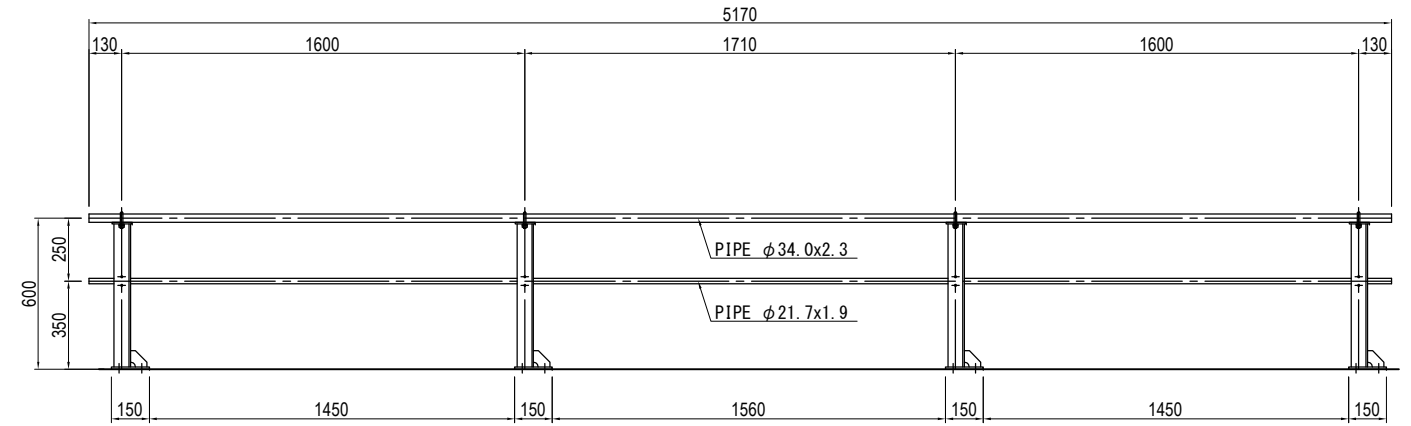
FALL PREVENTIVE HANDRAIL OF P13 PIER (3) S=1:30

T7 (T8)



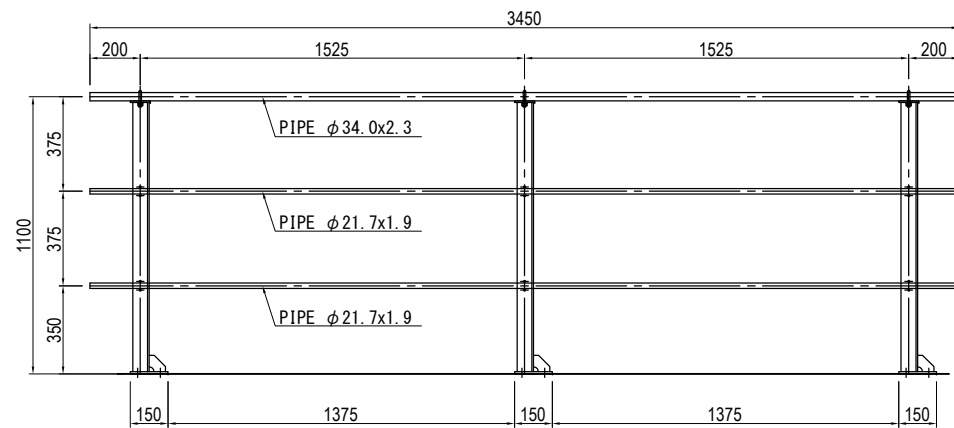
- <T7, T8> Production volume : each 1 (per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x4500 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x4500 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x1069 | 8-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T9



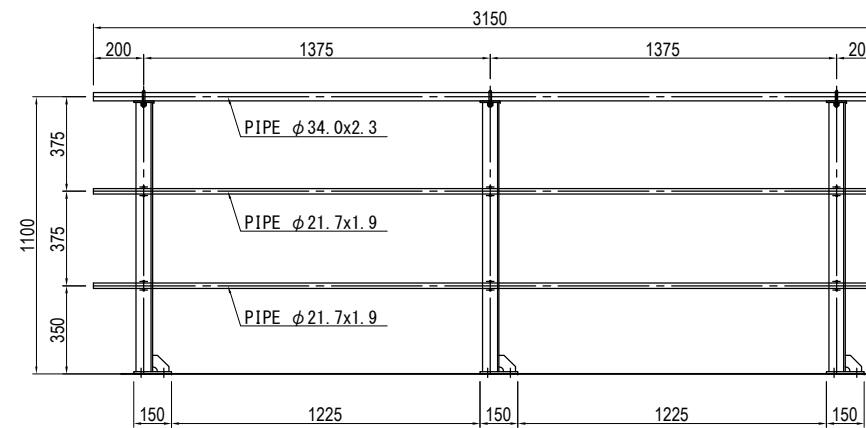
- <T9> Production volume : 2 (per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x5170 (STK400) | 4-RIB PL 65x6x65 (SM400A) |
| 1-PIPE φ21.7x1.9x5170 (STK400) | 4-U. Bolt M10 Nominal25C |
| 4-L 65x65x6x569 | 4-U. Bolt M10 Nominal15C |
| 4-PL 115x6x80 (SM400A) | 16-Driving anchor M16x125 |
| 4-BASE PL 150x9x150 (SM400A) | |

T13



- <T13> Production volume : 2 (per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x3450 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x3450 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

T14



- <T14> Production volume : 2 (per pier)
- | | |
|--------------------------------|---------------------------|
| 1-PIPE φ34.0x2.3x3150 (STK400) | 3-RIB PL 65x6x65 (SM400A) |
| 2-PIPE φ21.7x1.9x3150 (STK400) | 3-U. Bolt M10 Nominal25C |
| 3-L 65x65x6x1068 | 6-U. Bolt M10 Nominal15C |
| 3-PL 115x6x80 (SM400A) | 12-Driving anchor M16x125 |
| 3-BASE PL 150x9x150 (SM400A) | |

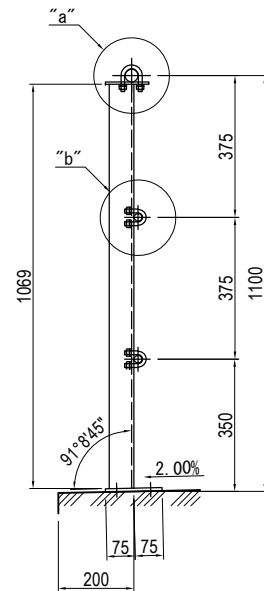
Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FALL PREVENTIVE HANDRAIL OF P13 PIER (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2349

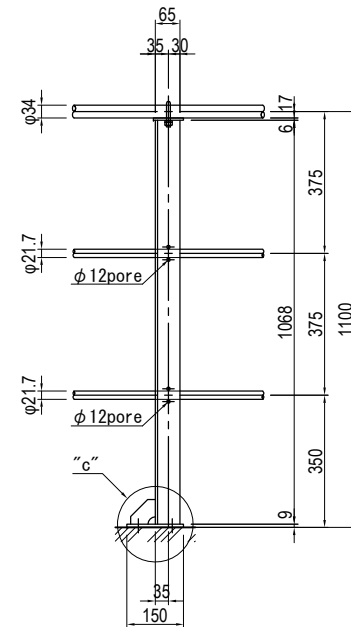
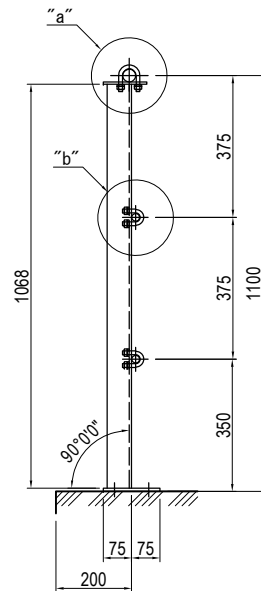
FALL PREVENTIVE HANDRAIL OF P13 PIER (4) S=1:20

DETAIL OF HANDRAIL S=1:20

T1 T3 T5 T6 ~ T8

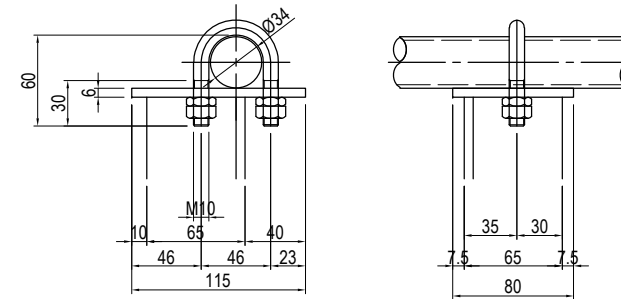


T13 T14



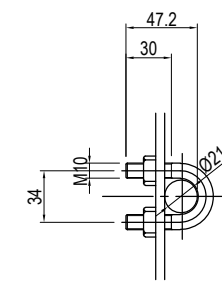
"a" DETAIL S=1:5

U.Bolt Nominal 25C

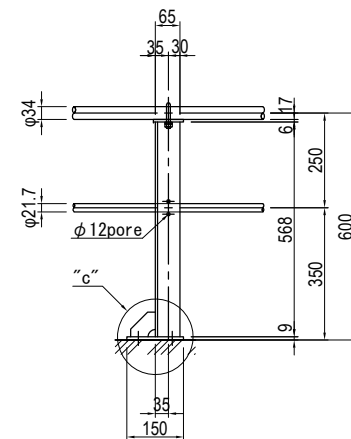
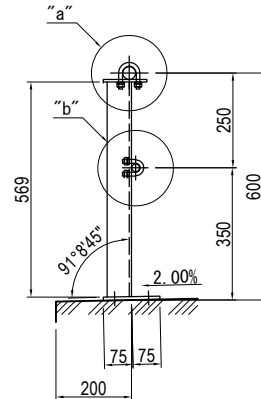


"b" DETAIL S=1:5

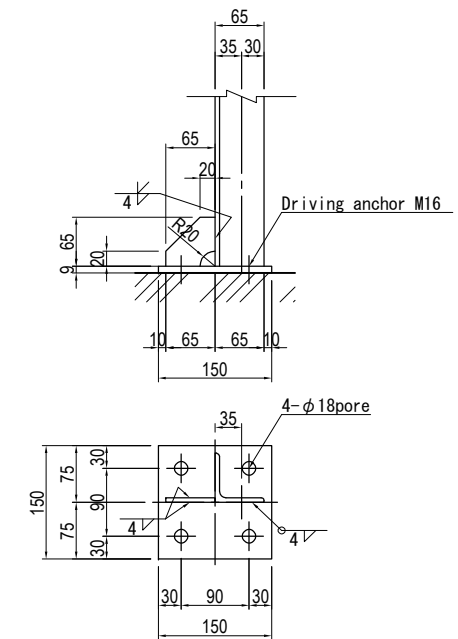
U.Bolt Nominal 15C



T2 T4 T9



"c" DETAIL S=1:10

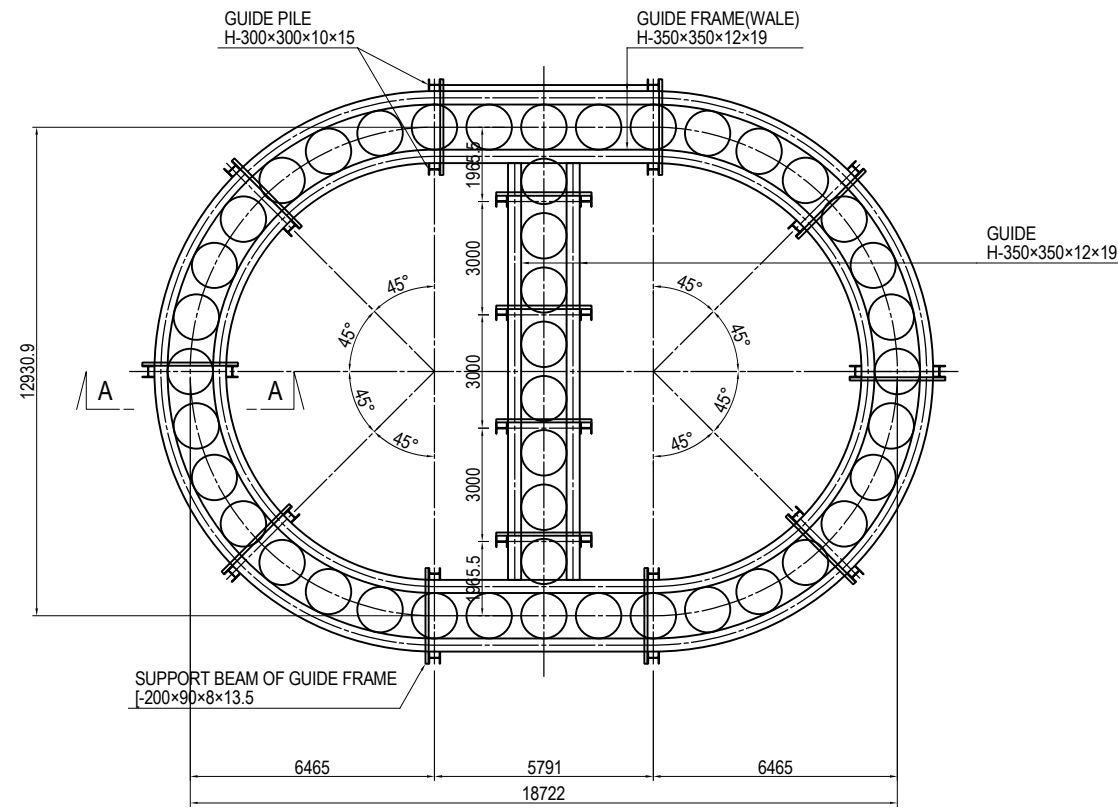


Note) 1 All materials without special mention are SS400.
 2 The surface treatment of the steel member is hot-dip galvanized.
 (The amount of zinc deposition shall be JIS H 8641 2 type HDZ 55.
 However, bolts and nuts and members with a thickness
 of less than 3.2 mm shall be HDZ35.)

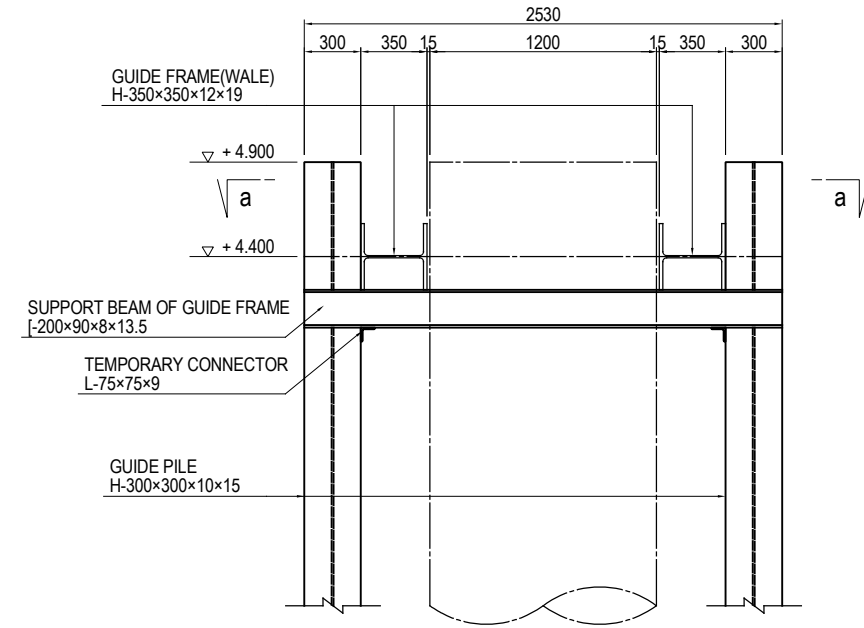
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T.TOMODA			FALL PREVENTIVE HANDRAIL OF P13 PIER (4)	1
				T.HAYAKAWA				DWG No.
				Y.SANO				P1-CS-2350

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P13 PIER (1)

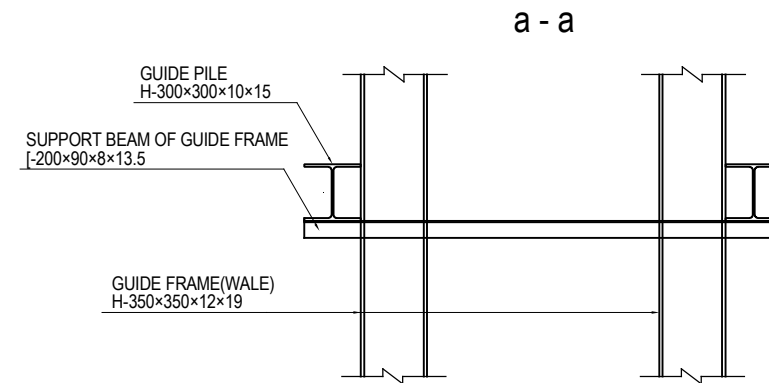
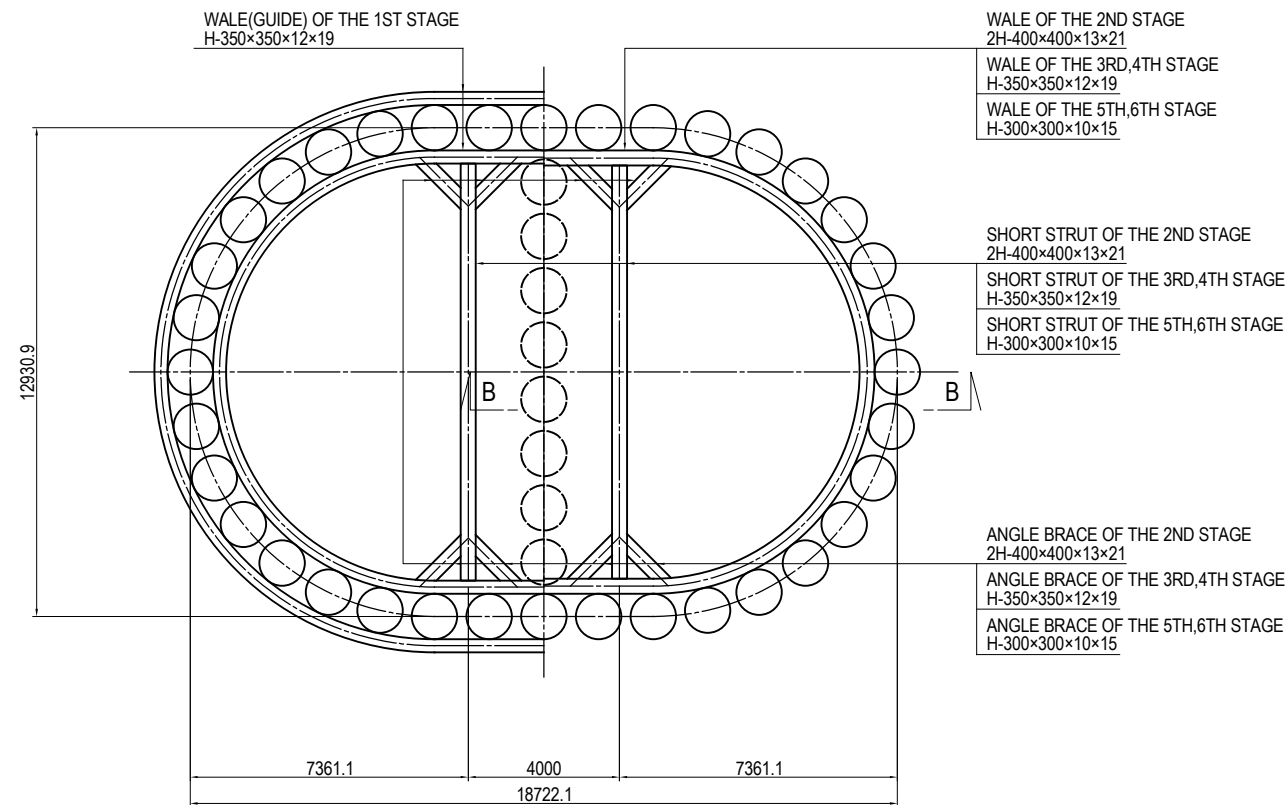
LAYOUT PLAN OF GUIDE FRAMES AND GUIDE PILES S=1:200



DETAIL OF ATTACHMENT OF GUIDE PILES AND GUIDE FRAMES S=1:40



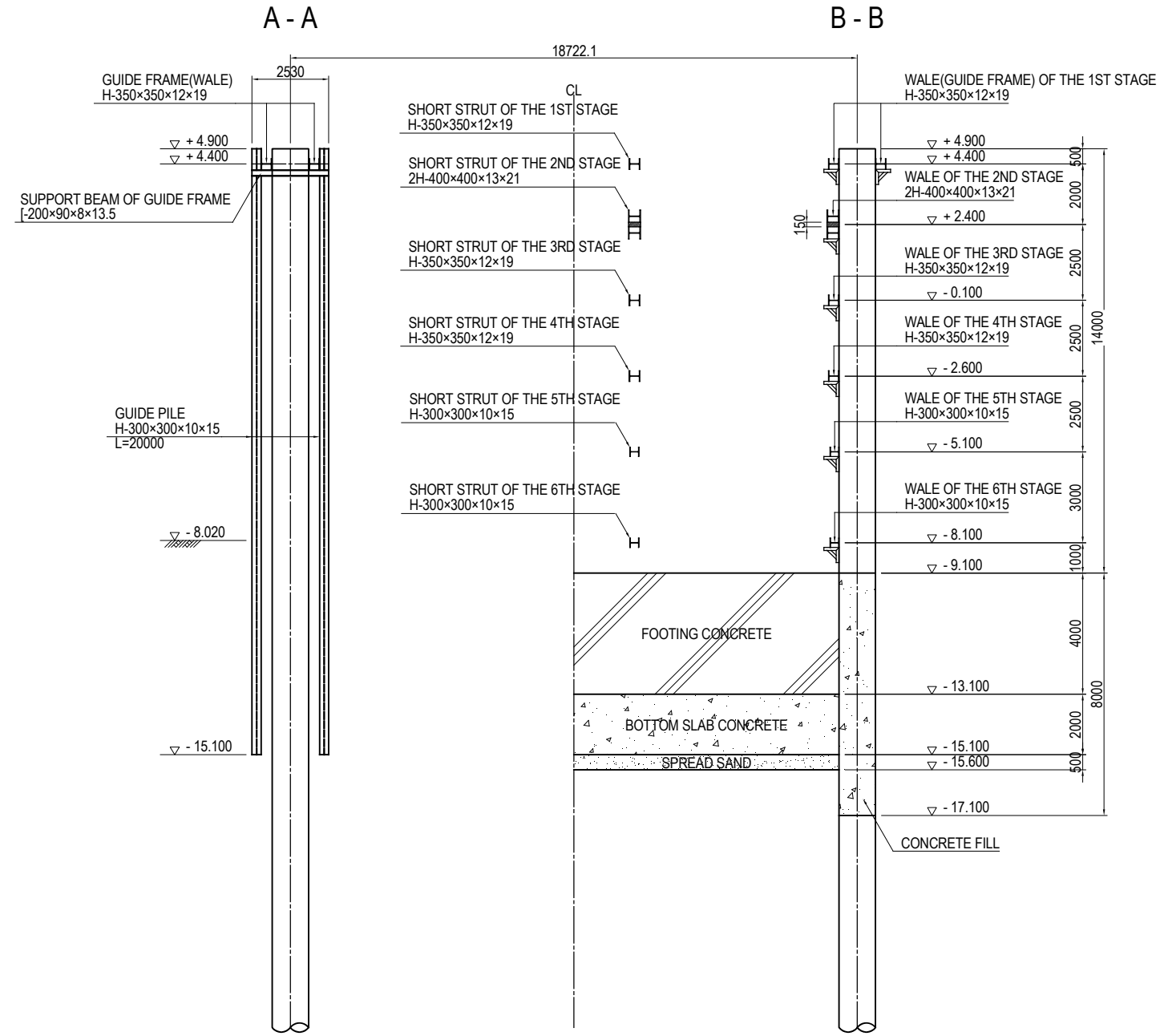
LAYOUT PLAN OF STRUTS AND WALES S=1:200



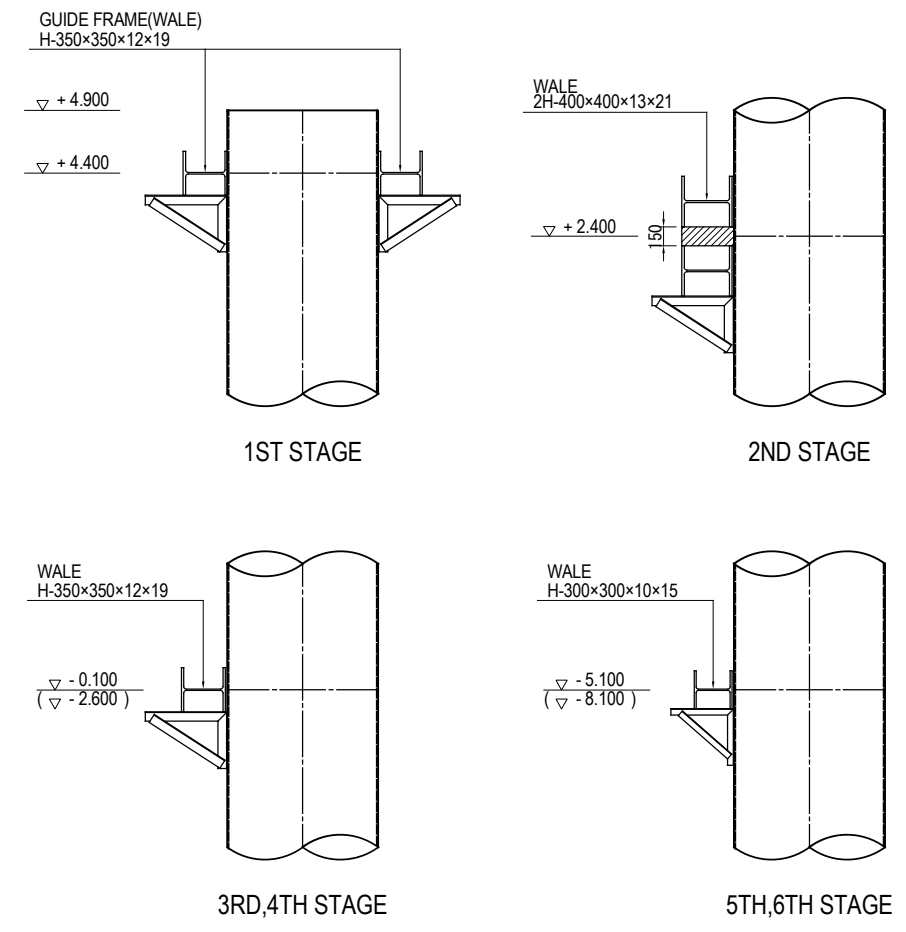
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P13 PIER (1)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2351

(REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P13 PIER (2)

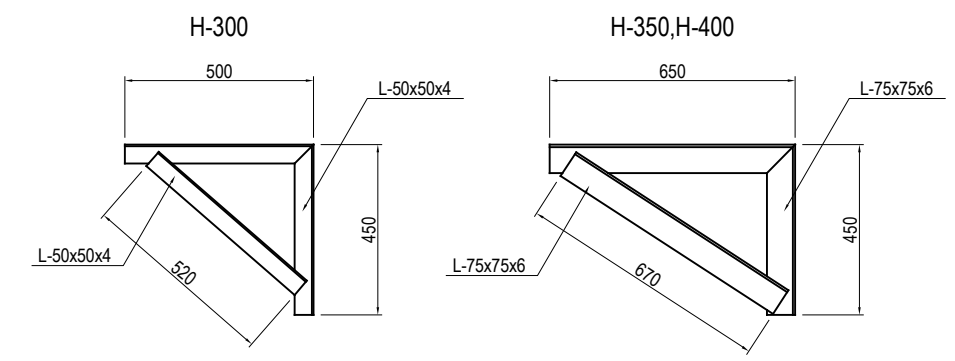
CROSS SECTION S=1:200



DETAIL OF ATTACHMENT OF WALE S=1:60

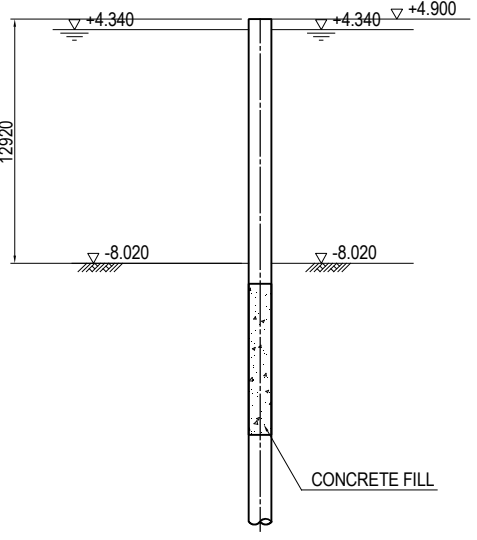
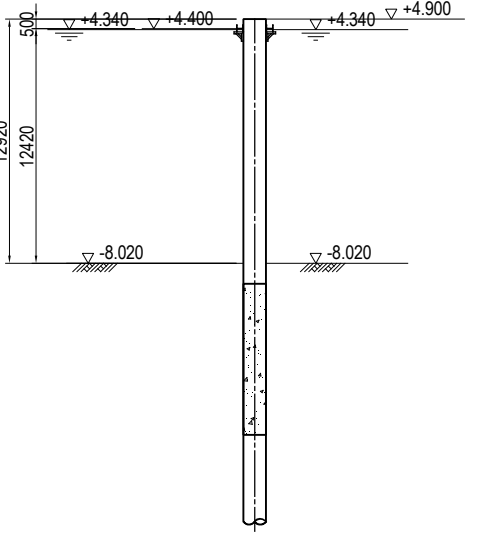
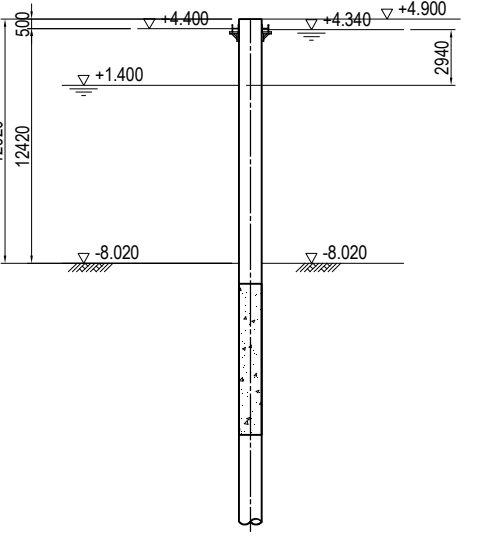
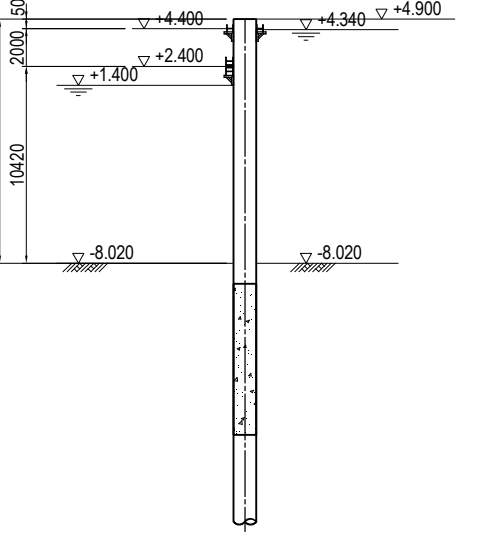
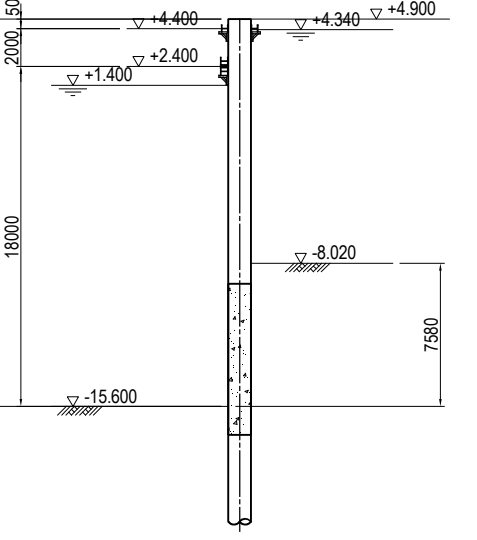
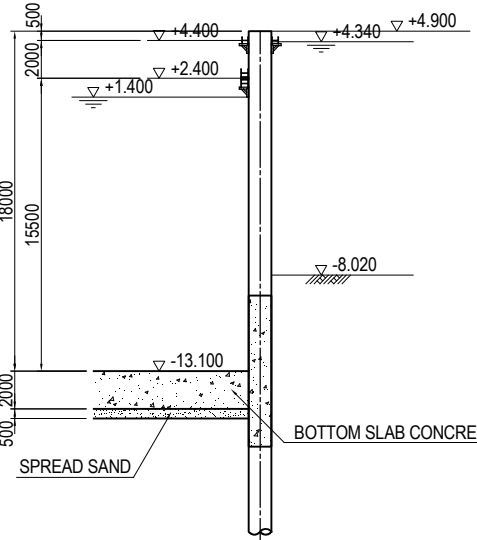
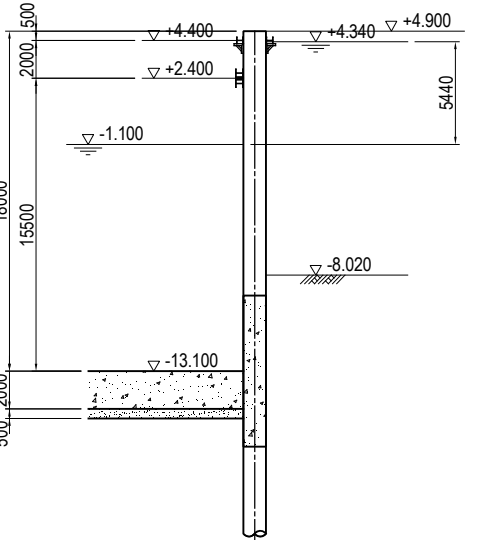
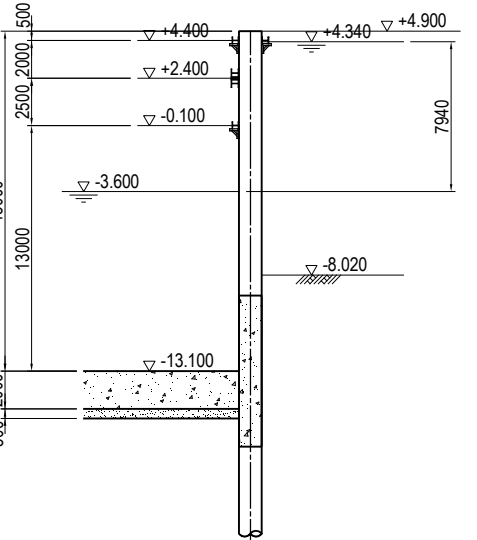
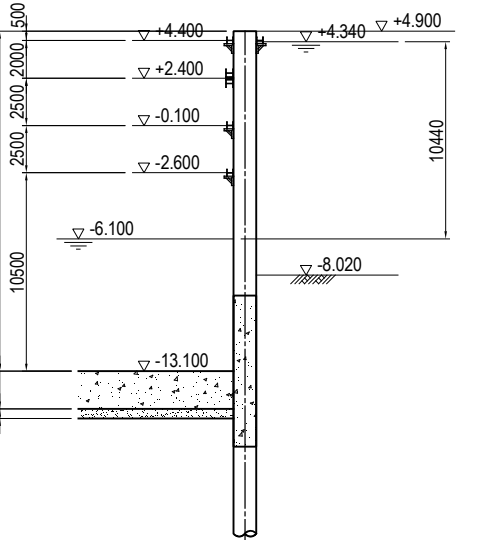
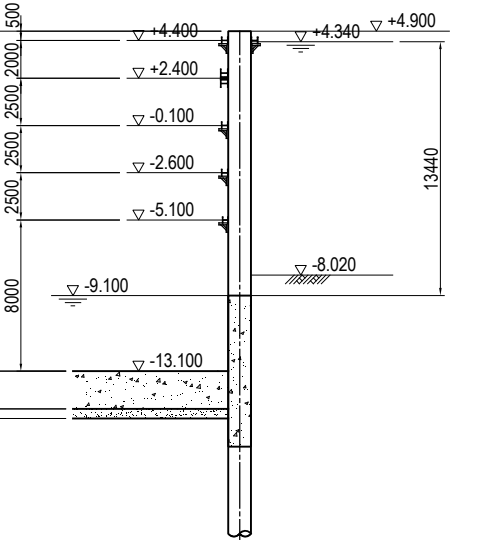


DETAIL OF BRACKET S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE (REFERENCE) LAYOUT PLAN OF COFFERDAM PART OF P13 PIER (2)	PACKAGE
				PREPARED BY	T. HAYAKAWA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-2352

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P13 PIER (1) S=1:400

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
				
<p>Excavate inside of exterior sheet piles and filled with concrete as shown.</p>	<p>The 1st support Installation.</p>	<p>Draining the inside of cofferdam up to +1.400m level.</p>	<p>The 2nd support Installation.</p>	<p>Underwater excavation up to -15.600m level.</p>
STEP 6	STEP 7	STEP 8	STEP 9	STEP 10
				
<p>Placement of spread sand followed by casting underwater bottom slab concrete.</p>	<p>Draining the inside of cofferdam up to -1.100m level.</p>	<p>Draining the inside of cofferdam up to -3.600m level. after the 3rd support Installation.</p>	<p>Draining the inside of cofferdam up to -6.100m level. after the 4th support Installation.</p>	<p>Draining the inside of cofferdam up to -9.100m level. after the 5th support Installation.</p>

Note : This drawing can be used for reference only.

<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY  JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART  REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM  NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<p>PREPARED BY CHECKED BY APPROVED BY</p>	<p>NAME T. HAYAKAWA T. HAYAKAWA Y. SANO</p>	<p>SIGNATURE </p>	<p>DATE </p>	<p>DRAWING TITLE (REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P13 PIER (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-2353</p>
---	---	---	--	---	---	---------------------------------	----------------------------	--	---

(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P13 PIER (2) S=1:400

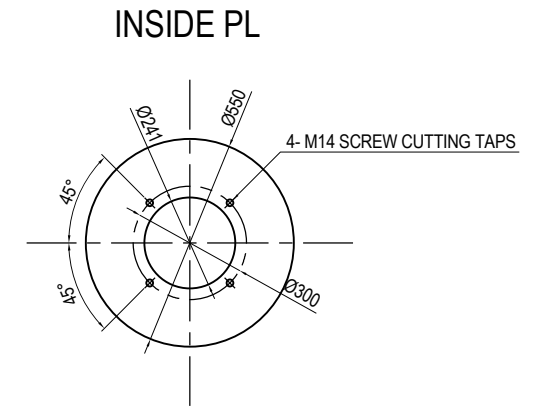
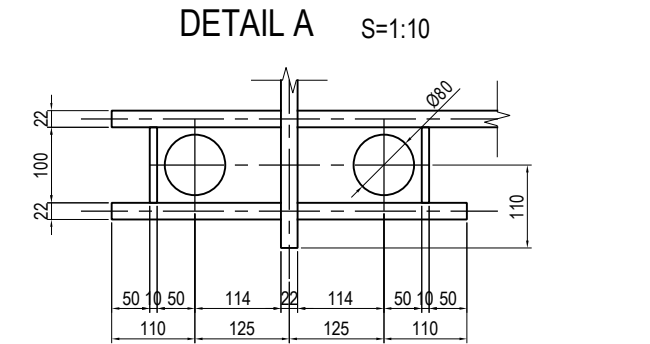
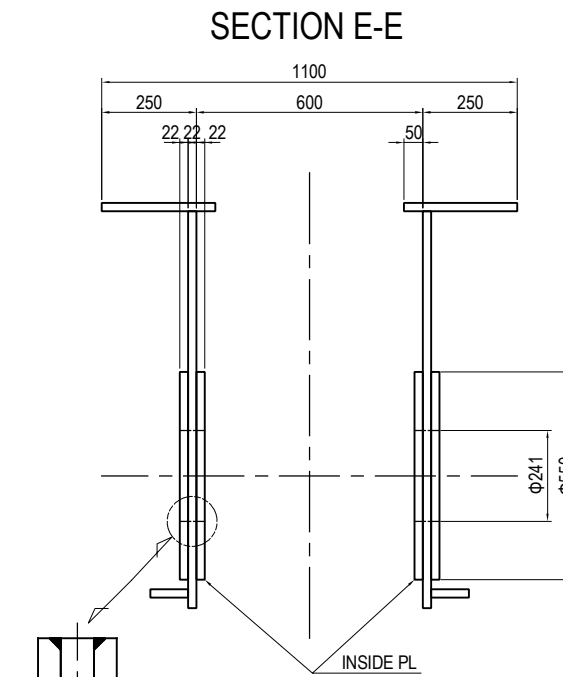
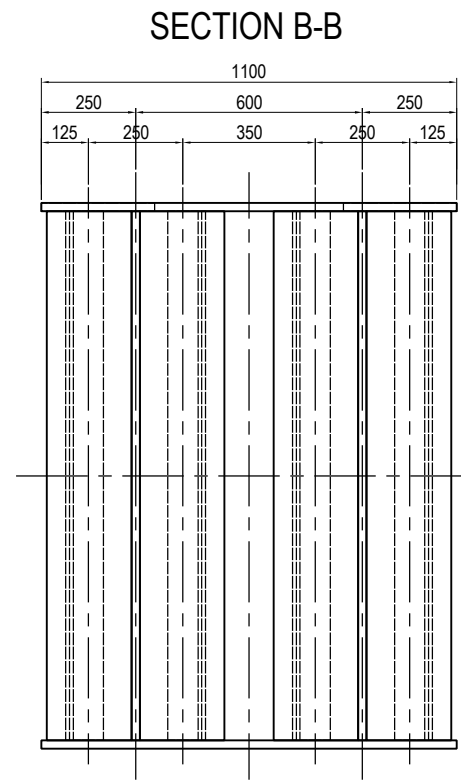
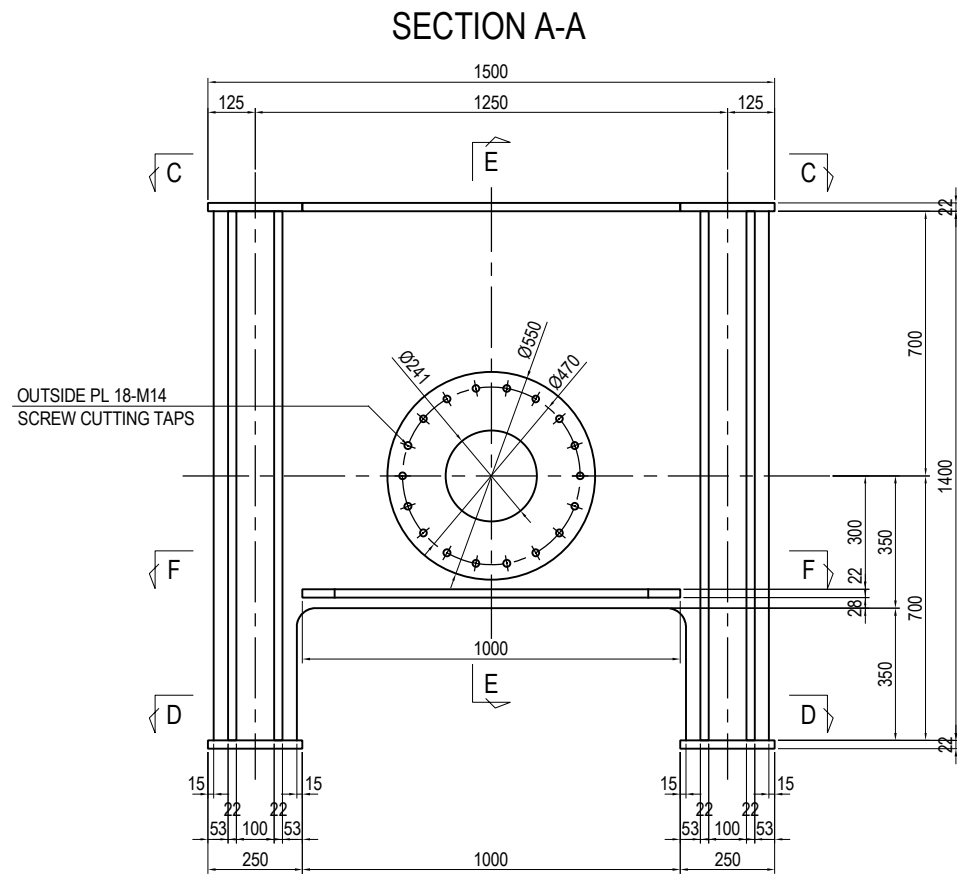
STEP 11	STEP 12	STEP 13	
<p>Draining the inside of cofferdam up to -13.100m level. after the 6th support Installation.</p>	<p>Casting of footing concrete.</p>	<p>The 6th support Removal.</p>	

Note : This drawing can be used for reference only.

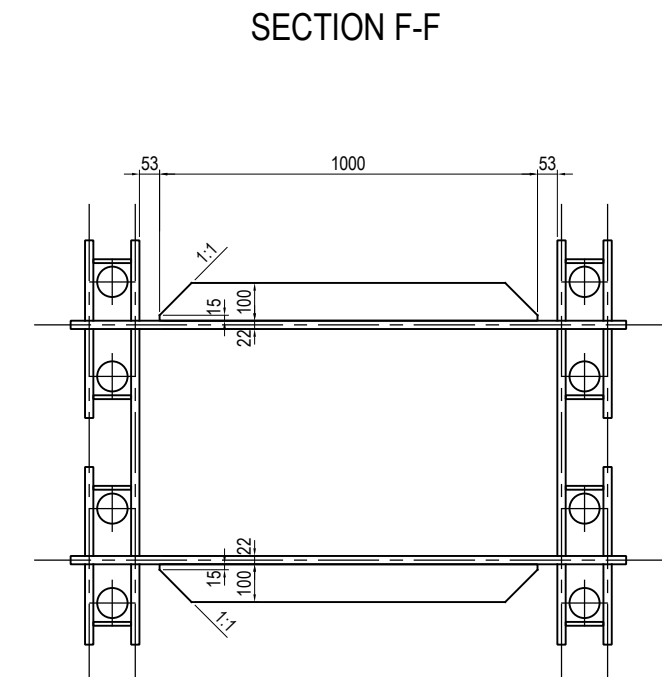
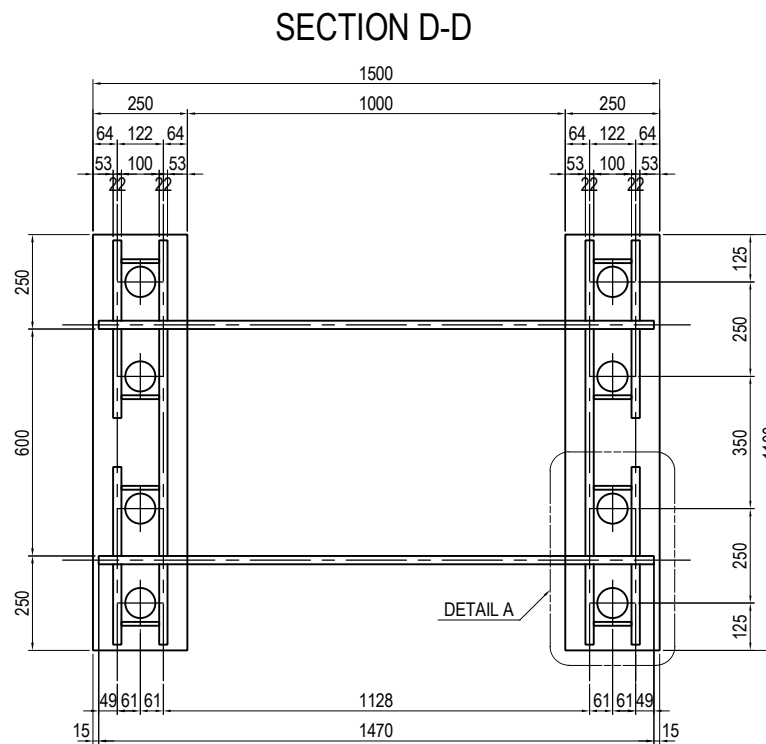
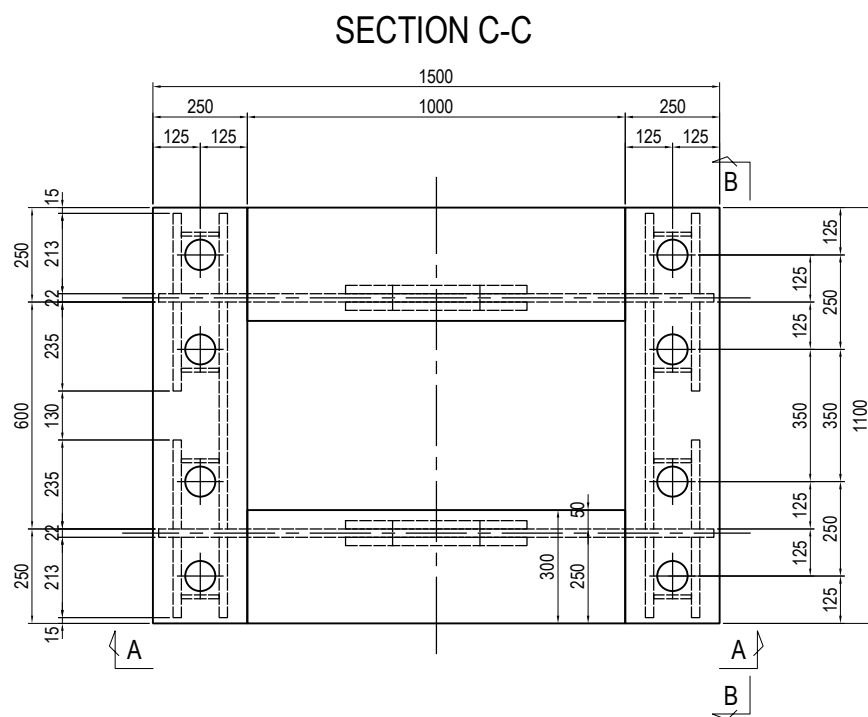
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM		NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.		PREPARED BY CHECKED BY APPROVED BY	T. HAYAKAWA T. HAYAKAWA Y. SANO		(REFERENCE) CONSTRUCTION PLAN OF STEEL PIPE SHEET PILE WORK OF P13 PIER (2)	1 DWG No. P1-CS-2354

ROCKING BEARING S=1:20

ANCHOR FRAME
PROGUAM NUMBERS OF 4UNITS



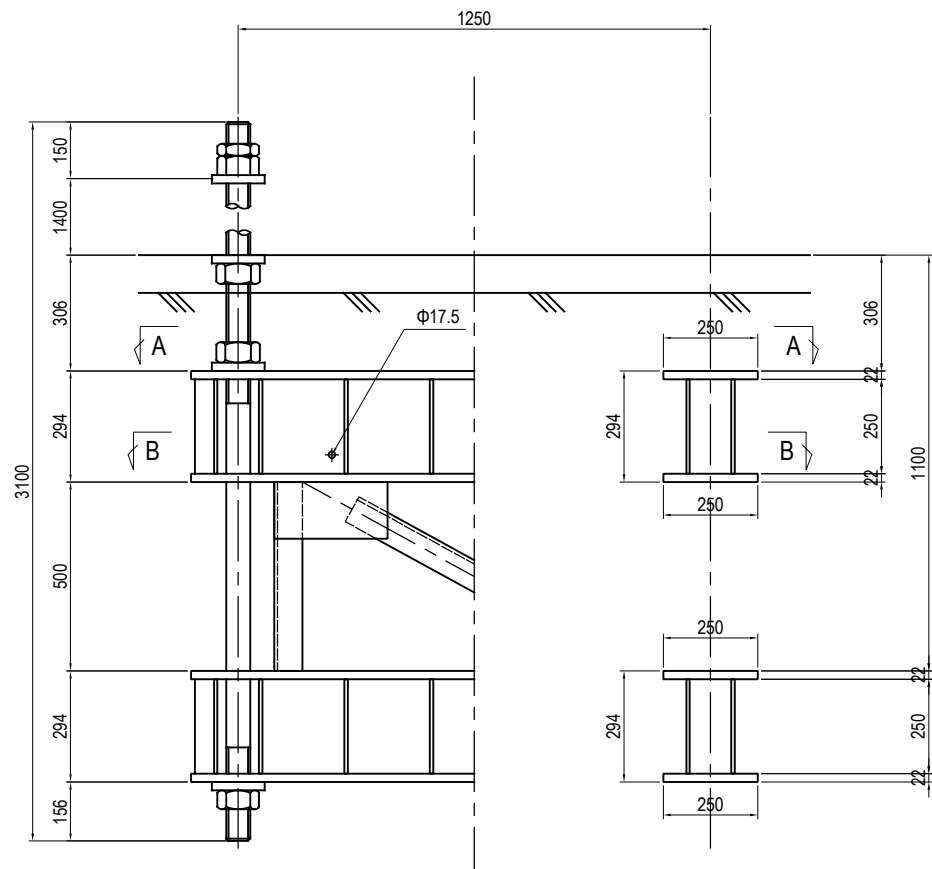
- 2- TOP PL 250 x 22 x 1100 (SM490YB)
- 2- TOP PL 300 x 22 x 1000 (SM490YB)
- 2- WEB PL 1470 x 22 x 1400 (SM570)
- 4- PL 550 x 22 x 550 (SM570)
- 2- BASE PL 250 x 22 x 1100 (SM490YB)
- 2- RIB PL 578 x 22 x 1400 (SM490YB)
- 8- RIB PL 213 x 22 x 1400 (SM490YB)
- 4- RIB PL 235 x 22 x 1400 (SM490YB)
- 8- PL 100 x 10 x 1400 (SM400A)
- 2- PL 100 x 22 x 1000 (SM490YB)



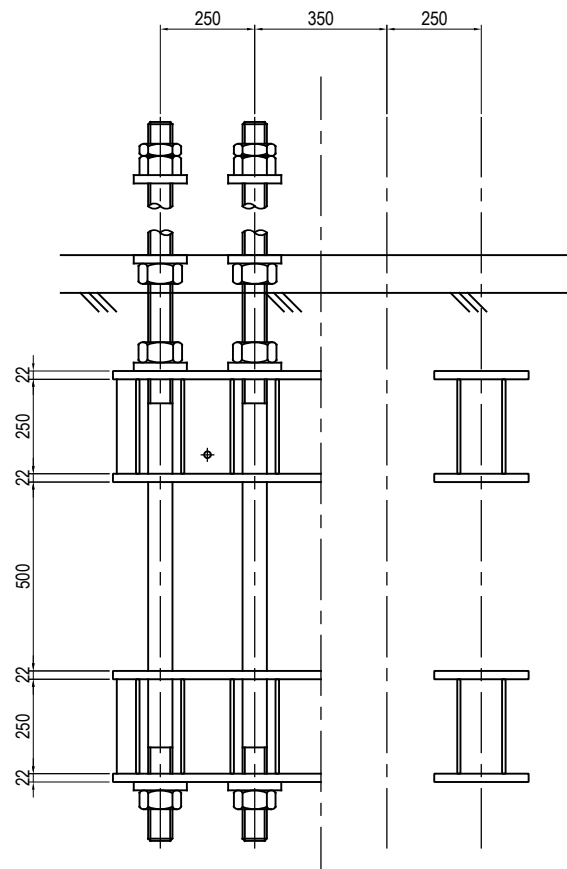
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE ROCKING BEARING	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3001

ANCHOR FRAME S=1:20

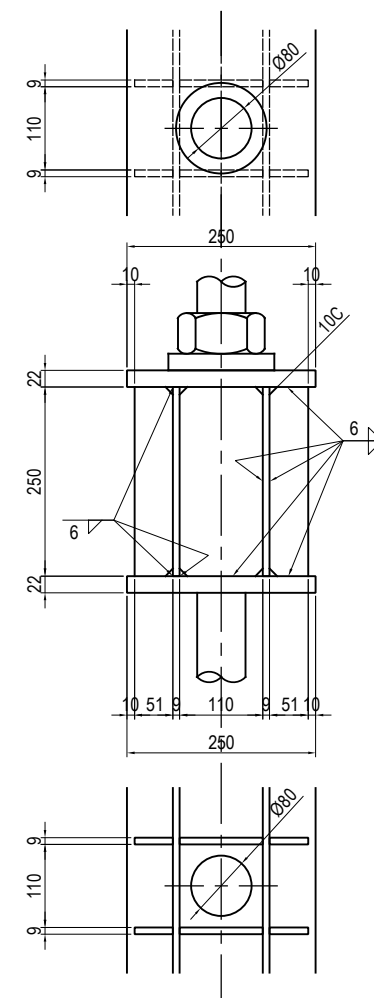
SECTION C-C



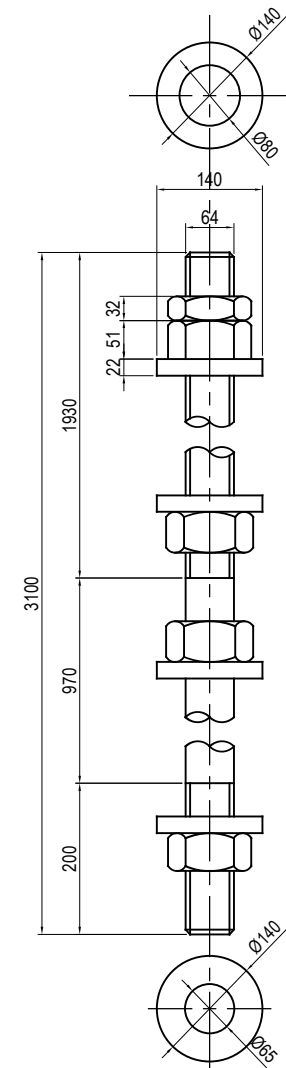
SECTION D-D



ANCHOR BEAM DETAIL 1:10



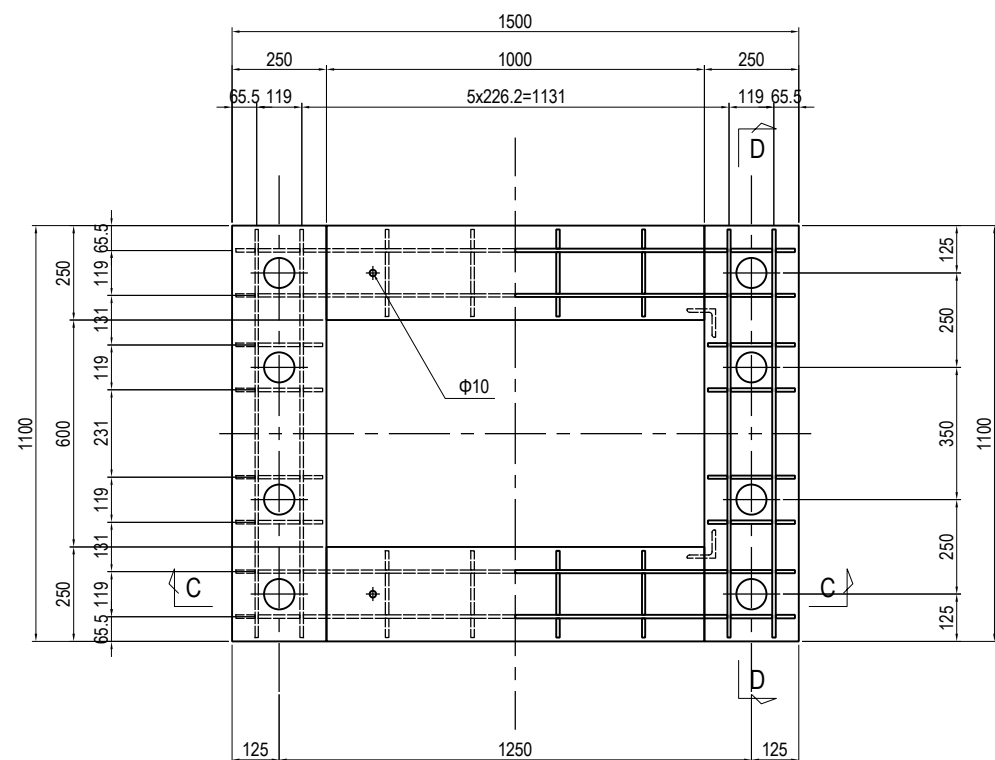
ANCHOR BOLT DETAIL 1:10



- 8- ANC. BOLT φ64 x 3100 (S45CN)
- 32- NUT M64 (S45CN)
- 8- NUT M64 (S45CN)
- 32- PL φ140 x 22
- 16- WASHER PL 58 x 6 x 115

SECTION A-A

SECTION B-B

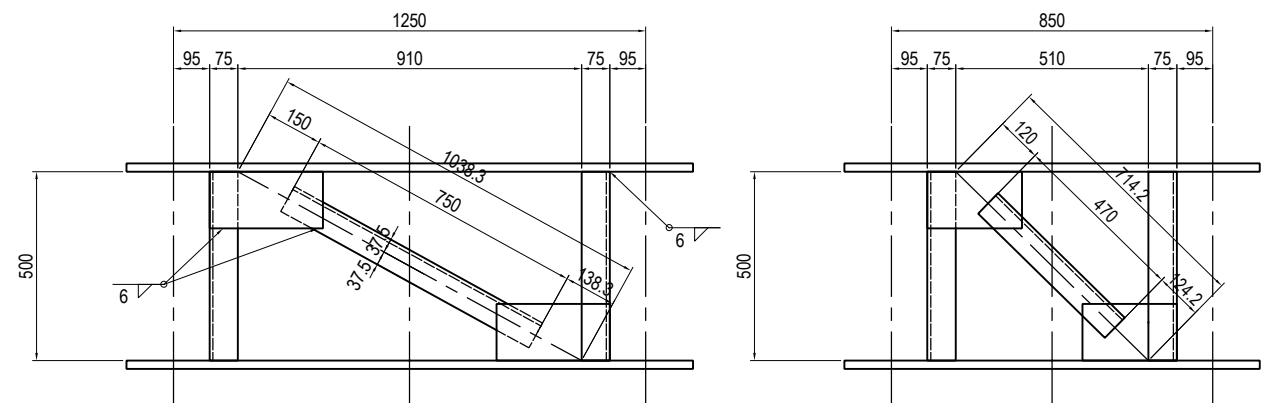


- 8- FLG PL 250 x 22 x 1100 (SM490YB)
- 8- FLG PL 250 x 22 x 1000 (SM490YB)
- 8- WEB PL 250 x 9 x 1080 (SM490YA)
- 8- WEB PL 250 x 9 x 1122 (SM490YA)
- 40- RIB PL 110 x 9 x 250 (SM490YA)
- 48- RIB PL 51 x 9 x 250 (SM490YA)

NOTES:

1- STEEL GRADE OF STEEL PLATE WITHOUT MARK : SS400

BRACE DETAIL



- 4- L75 x 75 x 9 x 500
- 2- L75 x 75 x 9 x 750
- 2- L75 x 75 x 9 x 470
- 4- GUSS PL x 300 x 9 x 150 (SM400A)
- 4- GUSS PL x 250 x 9 x 150 (SM400A)

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

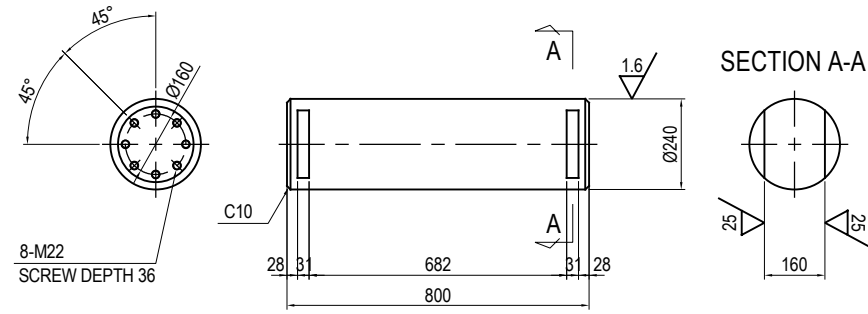
	NAME	SIGNATURE	DATE
PREPARED BY	T. TOMODA		
CHECKED BY	T. HAYAKAWA		
APPROVED BY	Y. SANO		

DRAWING TITLE
ANCHOR FRAME

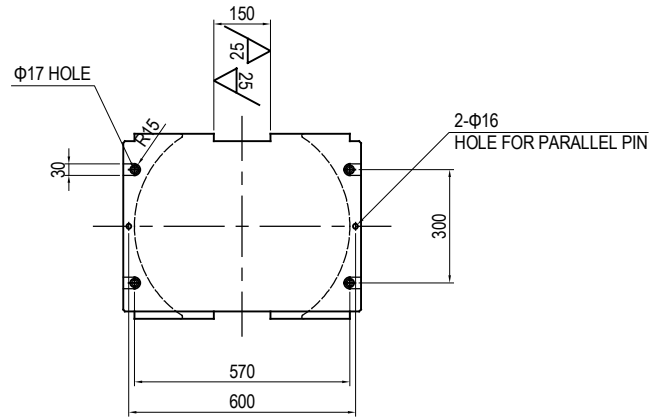
PACKAGE
1
DWG No.
P1-CS-3002

DETAIL OF TIE BAR (2) S=1:20

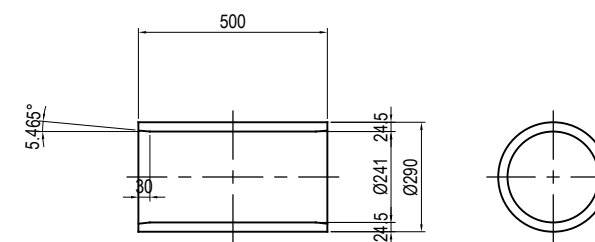
③ PIN (SUS431)



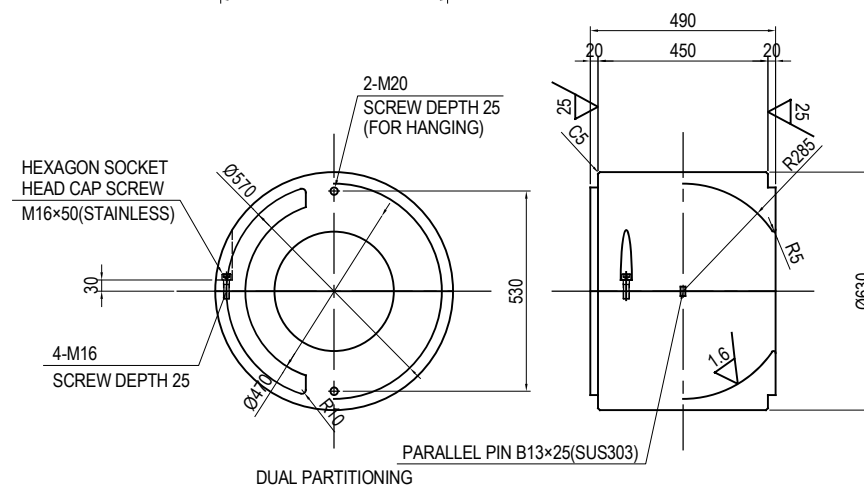
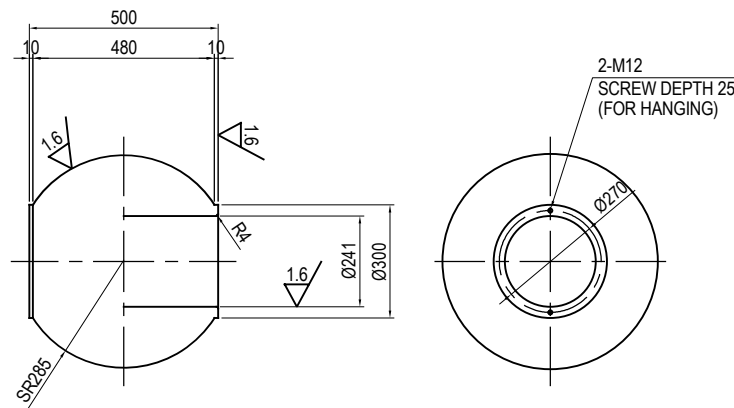
⑤ SPHERICAL BUSH BEARING (SUS431)



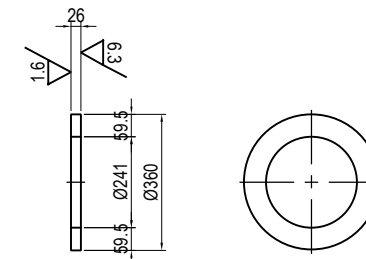
⑥ BUSH (CAC304+SL)



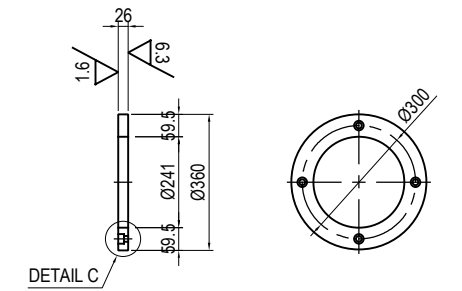
④ SPHERICAL BUSH (CAC304+SL)



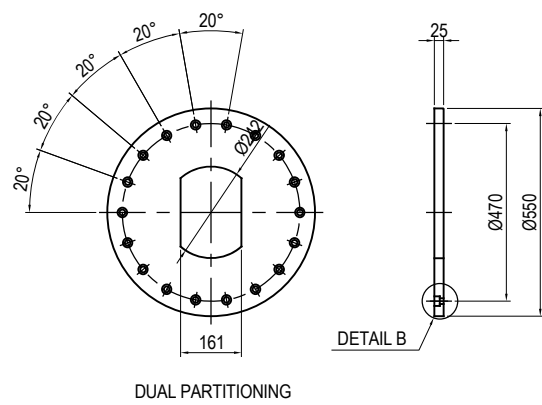
⑦ BEARING PL (CAC304+SL)



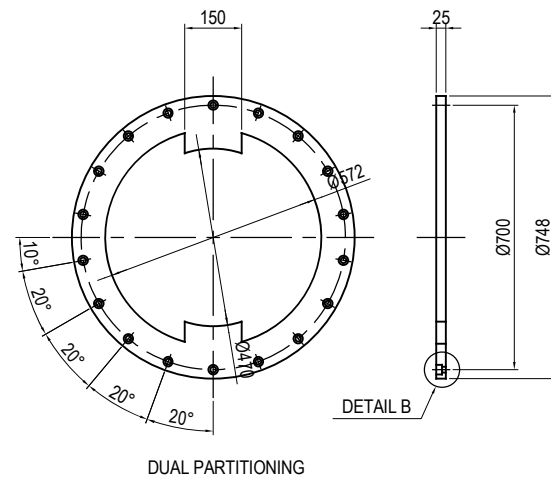
⑧ BEARING PL (CAC304+SL)



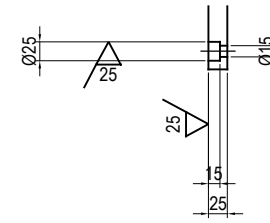
⑨ REVOLVING STOPPER (SUS410)



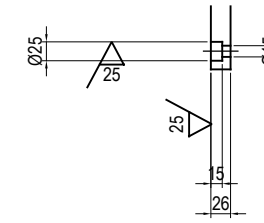
⑩ REVOLVING STOPPER (SUS410)



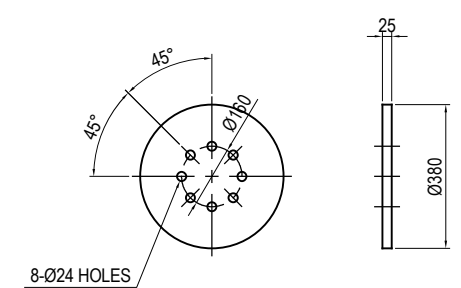
DETAIL B S=1:10



DETAIL C S=1:10



⑫ END PL (SS400)

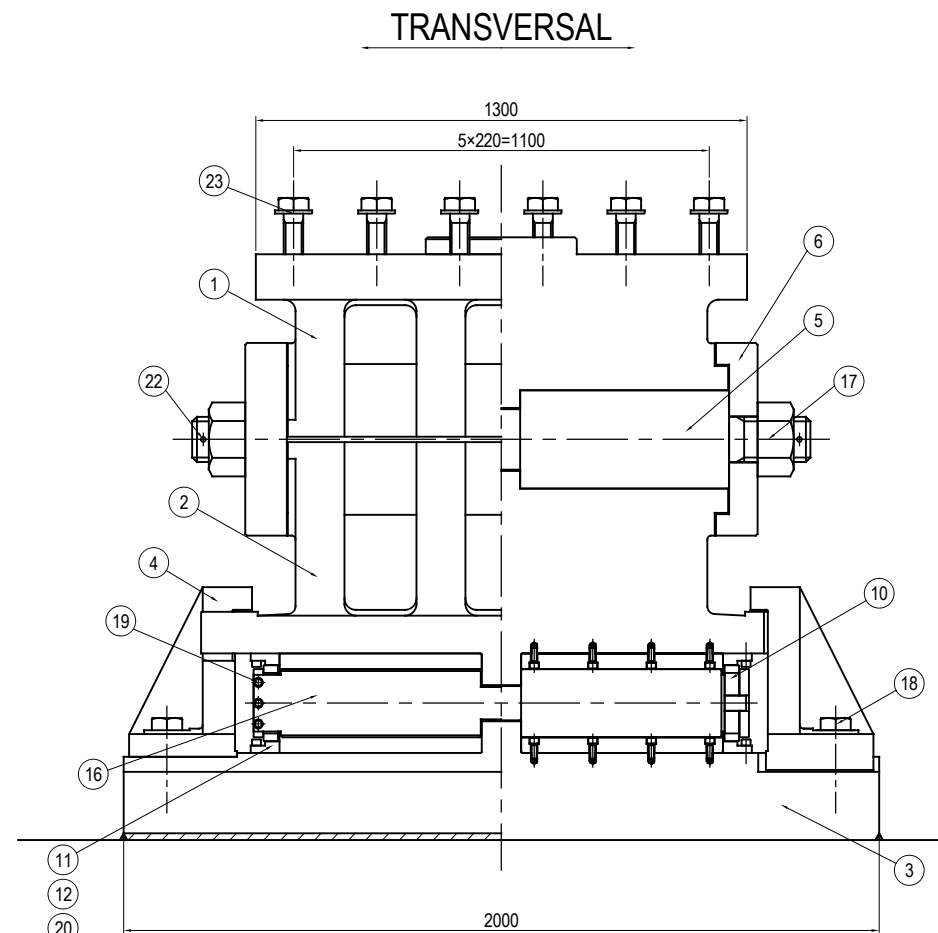
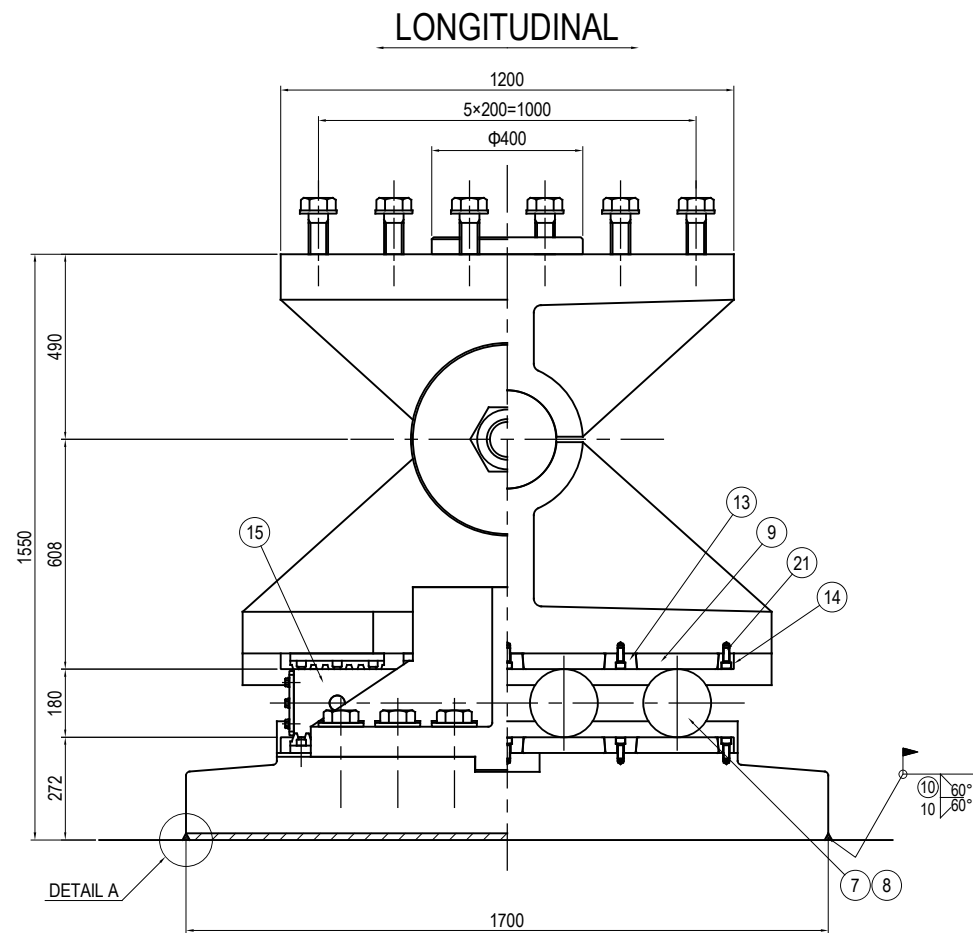


NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF TIE BAR (2)	PACKAGE 1 DWG No. P1-CS-3005
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

DETAIL OF PIN ROLLER BEARING (1) S=1:20



DESIGN CRITERIA

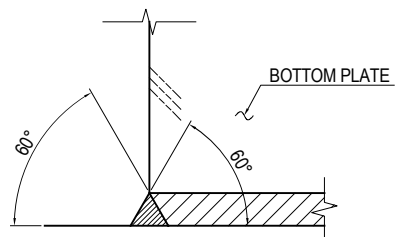
REACTION FORCE		
ALL REACTION FORCE	R	20800 kN
DEAD LOAD REACTION FORCE	Rd	12400 kN
LONGITUDINAL HORIZONTAL FORCE (MOVE)	RH1f	1040 kN
LONGITUDINAL HORIZONTAL FORCE (EARTHQUAKE)	RH1e	5600 kN
TRANSVERSAL HORIZONTAL FORCE (EARTHQUAKE)	RH2e	5600 kN
UP LIFT FORCE (EARTHQUAKE)	V	3720 kN
QUANTITY OF MOVE		
AVAILABLE LONGITUDINAL DISPLACEMENT	e1	±105 mm
ADMISSIBLE BEARING PRESSURE		
FOR SUBSTRUCTURE	σ_{ba}	210 N/mm ²
FOR SUPERSTRUCTURE	σ_{ba}	250 N/mm ²

MATERIALS

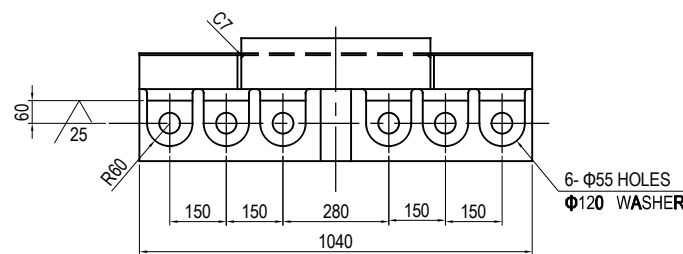
NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS (Kg)	NOTES
①	TOP BEARING	SCW480N	1	2904.1	
②	BOTTOM BEARING	SCW480N	1	3794.6	
③	BOTTOM PLATE	SCW480N	1	5811.1	
④	SIDE BLOCK	SCW480N	2	760.6	
5	PIN	S35CN	1	514.9	
⑥	CAP	SM490A	2	271.4	
7	ROLLER (A)	SUS420J2	2	435.6	
8	ROLLER (B)	SUS420J2	2	454.8	
9	ANCHOR PLATE	SUS420J2	16	603.2	
⑩	PINION	SS400	4	29.2	
⑪	RACK	SS400	8	35.2	
⑫	EDGE PLATE	SS400	8	32.8	
⑬	SIDE PLATE (A)	SS400	12	172.8	
⑭	SIDE PLATE (B)	SS400	8	56.0	
⑮	CONNECTION PLATE	SS400	2	77.4	
⑯	COVER PLATE	SS400	2	33.8	
⑰	HEXAGON NUT	SS400	2	21.8	JIS B 1181 M120
⑱	HEXAGON HEAD	—	12	52.3	JIS B 1180
⑲	BOLT WITH WASHER	—	12	0.6	JIS B 1180
20	HEXAGON HOLE BOLT WITH WASHER	STAINLESS	48	3.8	JIS B 1176
21	HEXAGON HOLE BOLT WITH WASHER	STAINLESS	80	7.2	JIS B 1176
22	SPLIT PIN	STAINLESS	2	0.4	JIS B 1351
⑳	HEXAGON HEAD BOLT WITH WASHER	—	20	—	JIS B 1180
TOTAL WEIGHT			16073.6	(kg)	
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED COATING OVER 550g/m ² , 350g/m ² (FOR BOLT, WASHER & NUT)					

NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.

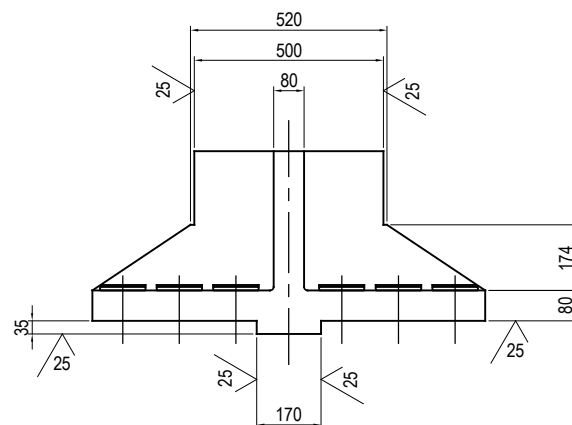
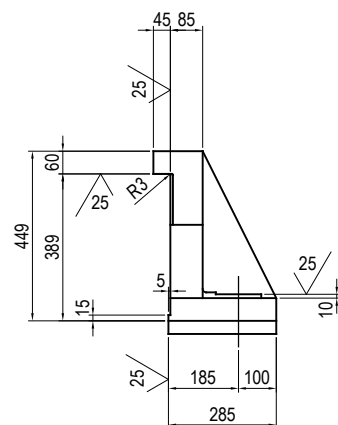
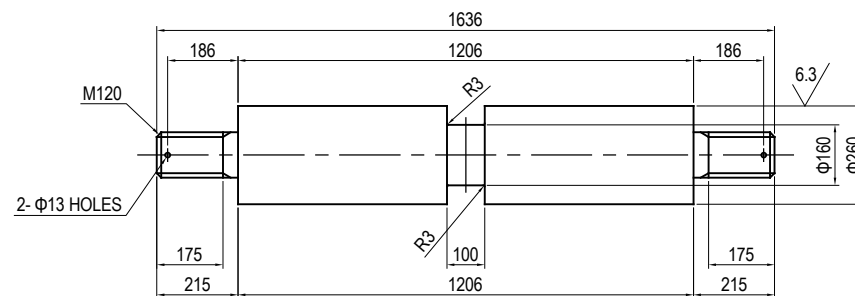
DETAIL A N.T.S.



④ (25) SCW480N



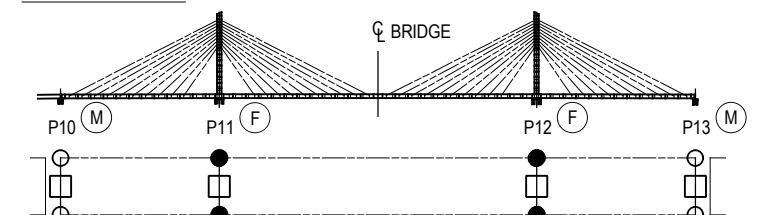
⑤ (6.3) S35CN



NOTES:

1- THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PIN ROLLER BEARING (1)	PACKAGE 1 DWG No. P1-CS-3006
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

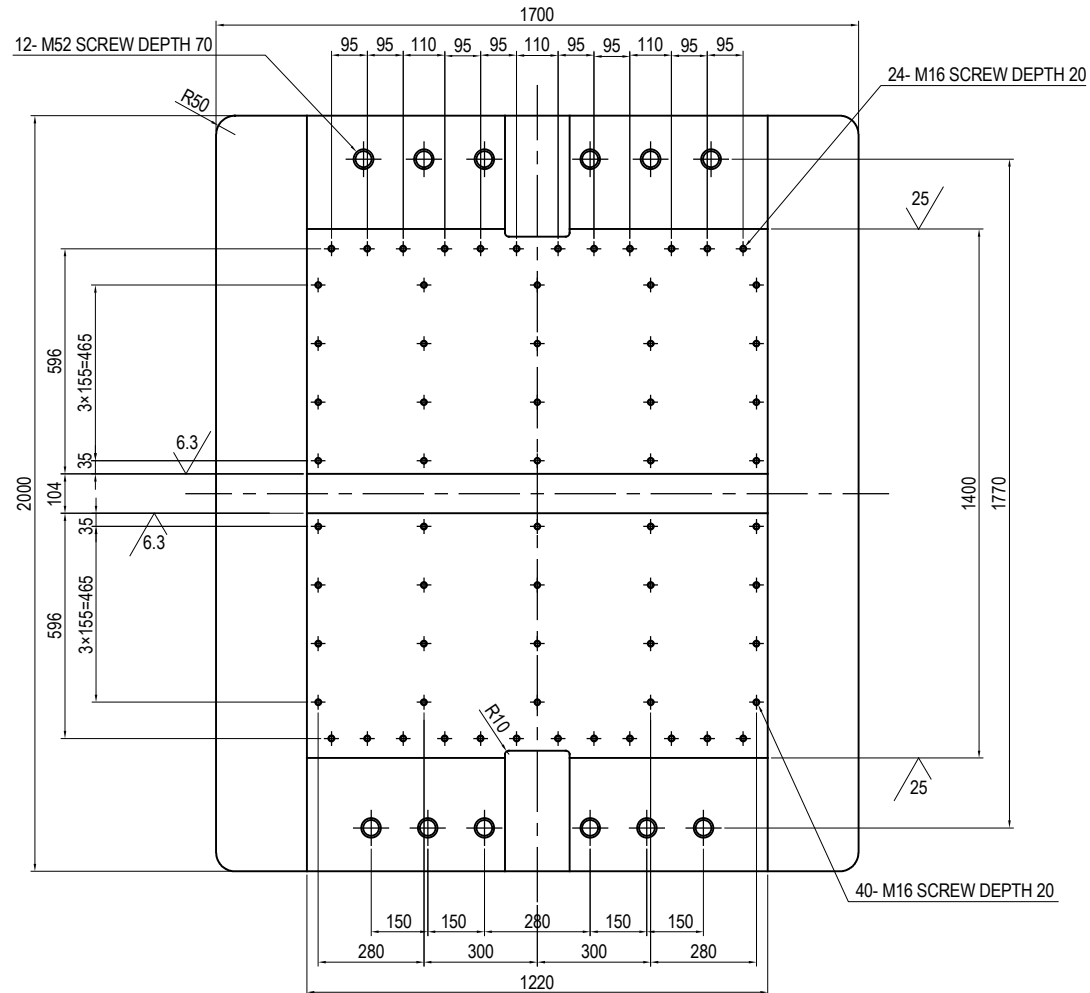
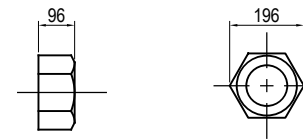
DETAIL OF PIN ROLLER BEARING (4)

S=1:20

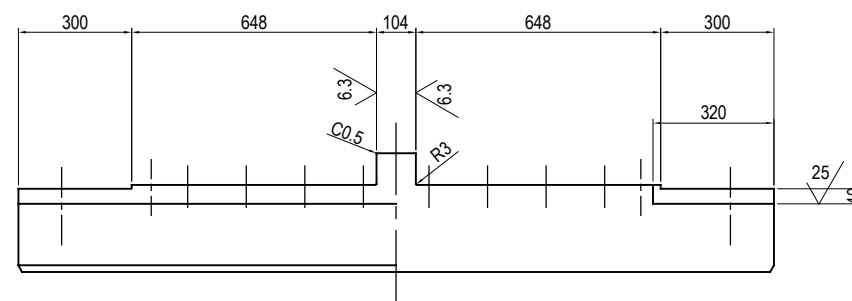
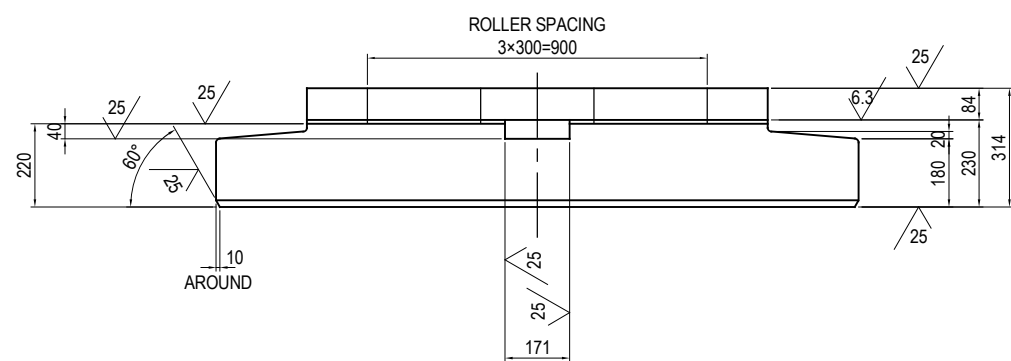
③ ∇ (25/6.3) SCW480N

⑰ ∇ SS400

LONGITUDINAL



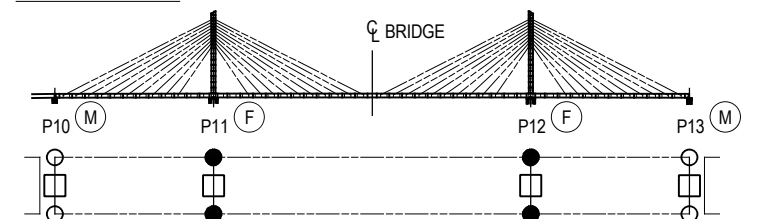
- ⑱ HEXAGON HEAD BOLT WITH WASHER M52 × 170 8.8
- ⑲ HEXAGON HEAD BOLT WITH WASHER M12 × 30 4.8
- ⑳ HEXAGON HOLE BOLT WITH WASHER M16 × 35 STAINLESS
- ㉑ HEXAGON HOLE BOLT WITH WASHER M16 × 40 STAINLESS
- ㉒ HEXAGON HEAD BOLT WITH WASHER M52 × 8.8



NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL..

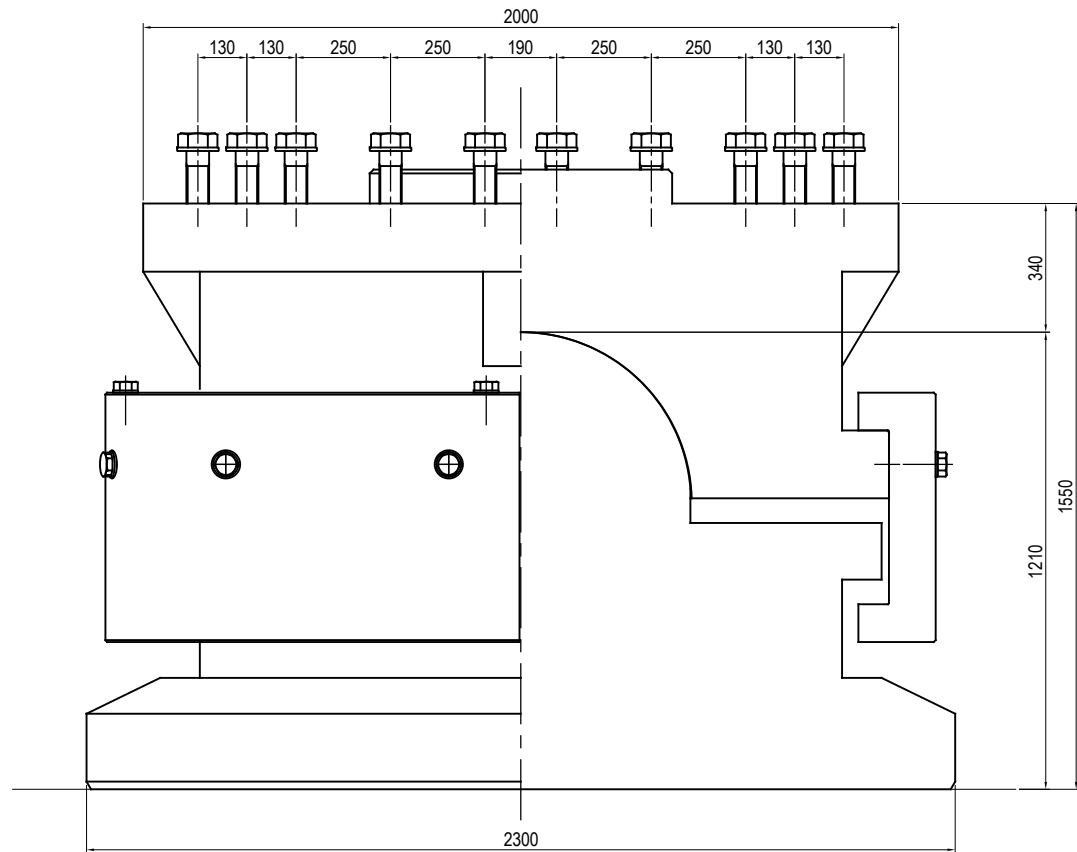
KEY PLAN



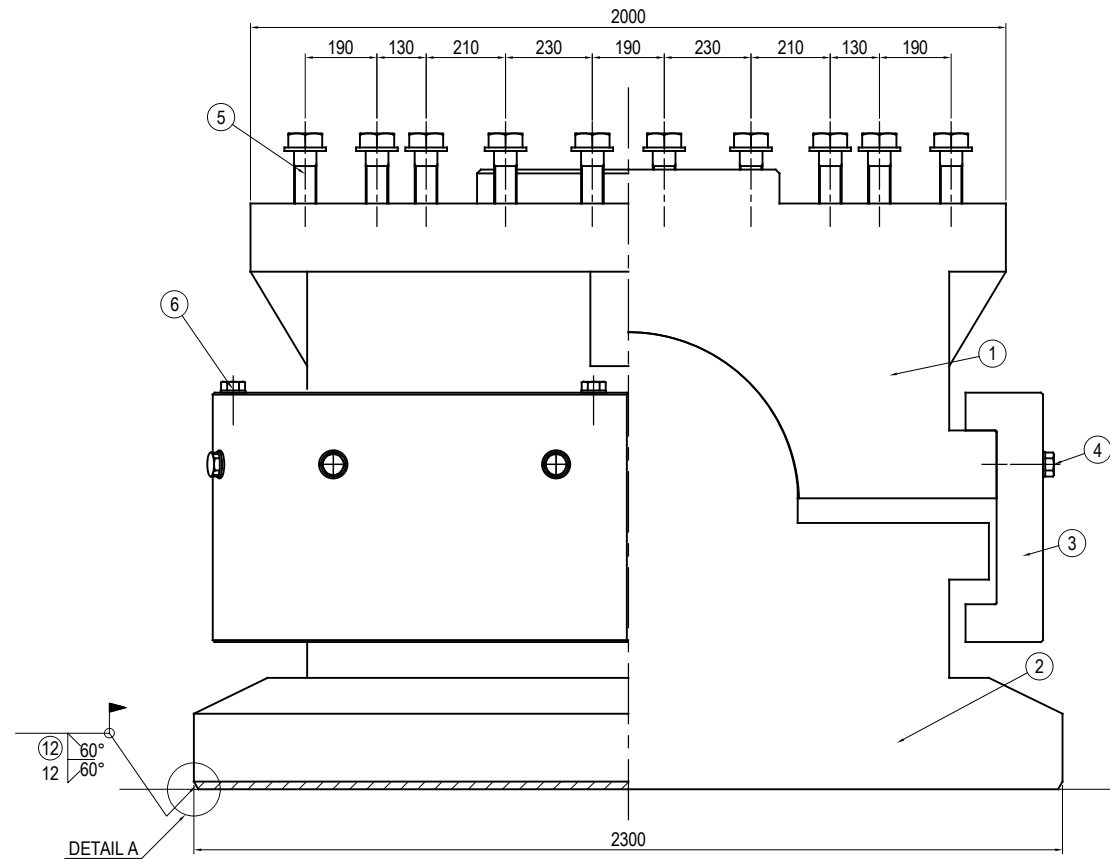
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PIN ROLLER BEARING (4)	PACKAGE 1 DWG No. P1-CS-3009
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

DETAIL OF PIVOT BEARING (1) S=1:20

LONGITUDINAL



TRANSVERSAL



DESIGN CRITERIA

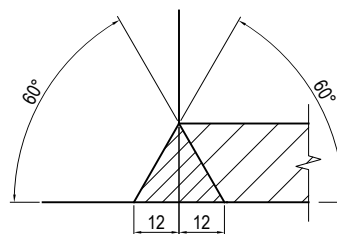
REACTION FORCE		
ALL REACTION FORCE	R	57700 kN
DEAD LOAD REACTION FORCE	Rd	46200 kN
LONGITUDINAL HORIZONTAL FORCE (EARTHQUAKE)	RH1e	25900 kN
TRANSVERSAL HORIZONTAL FORCE (EARTHQUAKE)	RH2e	20500 kN
UP LIFT FORCE (EARTHQUAKE)	V	13860 kN
ADMISSIBLE BEARING PRESSURE		
FOR SUBSTRUCTURE	σ_{ba}	210 N/mm ²
FOR SUPERSTRUCTURE	σ_{ba}	250 N/mm ²

MATERIALS

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS (Kg)	NOTES
①	TOP BEARING	SCW480N	1	16300.8	
②	BOTTOM BEARING	SCW480N	1	21395.9	
③	RING	SCW480N	1	4945.5	QUARTERS
④	HEXAGON HEAD BOLT WITH WASHER	—	12	21.6	JIS B 1180 JIS B 1256
⑤	HEXAGON HEAD BOLT WITH WASHER	—	36	—	JIS B 1180 JIS B 1256
⑥	HEXAGON HEAD BOLT WITH WASHER	—	8	7.2	JIS B 1180 JIS B 1256
TOTAL WEIGHT				42671.0 (Kg)	
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED		COATING OVER 550g/m ² , 350g/m ² (FOR BOLT, WASHER & NUT)			

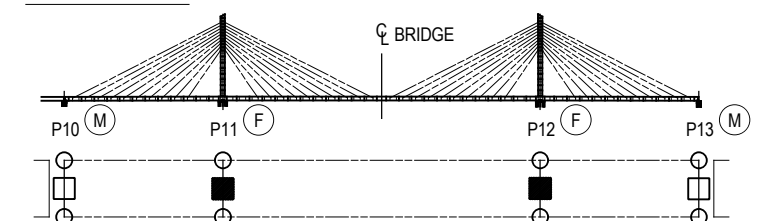
NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.

DETAIL A S=1:2



- ④ HEXAGON HEAD BOLT WITH WASHER M36 × 170 8.8
- ⑤ HEXAGON HEAD BOLT WITH WASHER M60 × 8.8
- ⑥ HEXAGON HEAD BOLT WITH WASHER M36 × 50 4.8

KEY PLAN



NOTES:

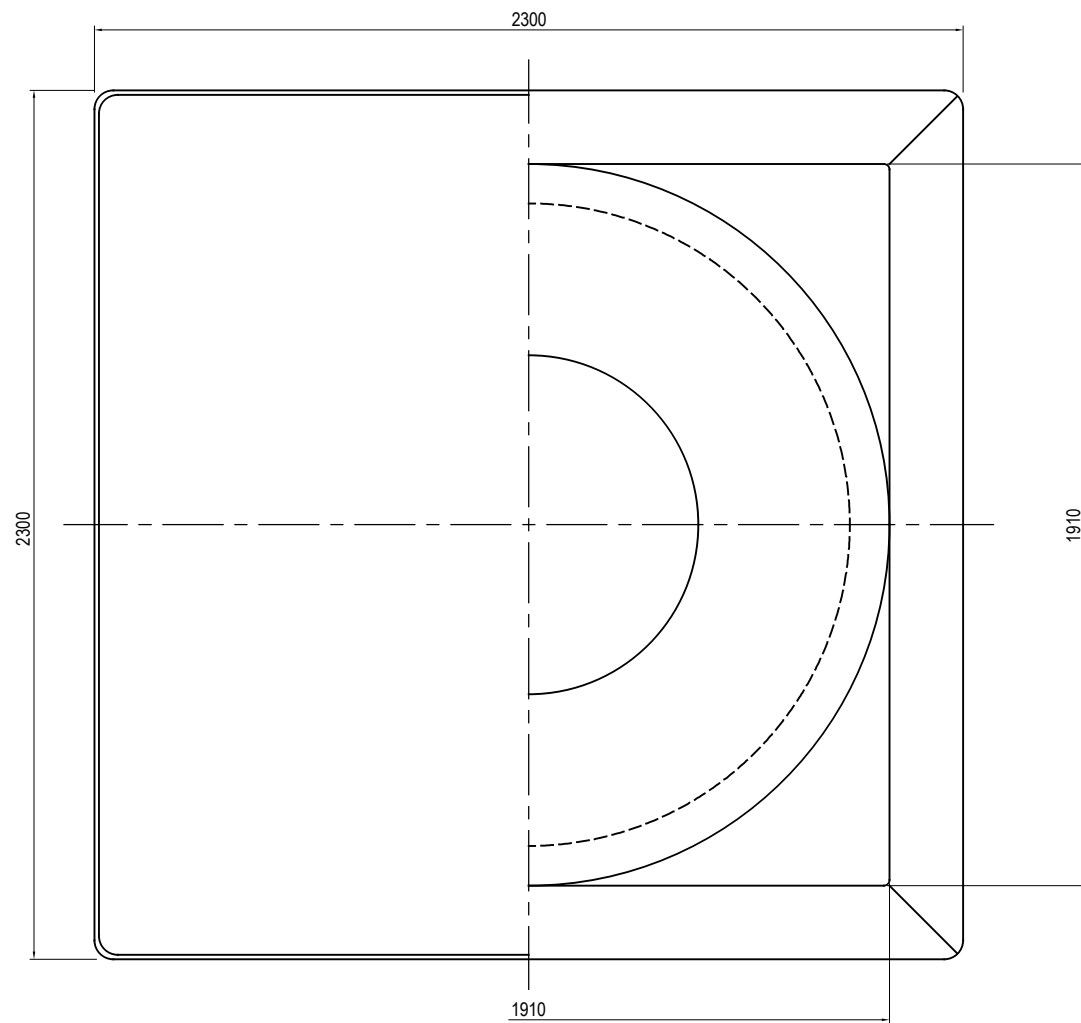
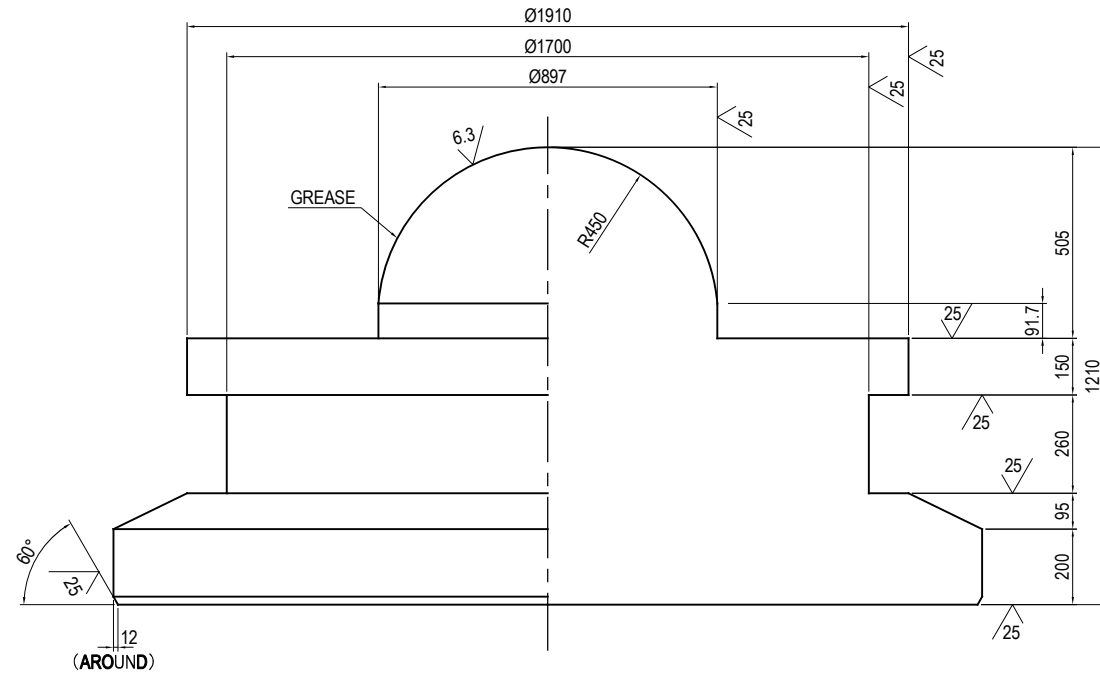
1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PIVOT BEARING (1)	PACKAGE 1 DWG No. P1-CS-3010
---	--	---	--	---	-----------	------	---	---------------------------------------

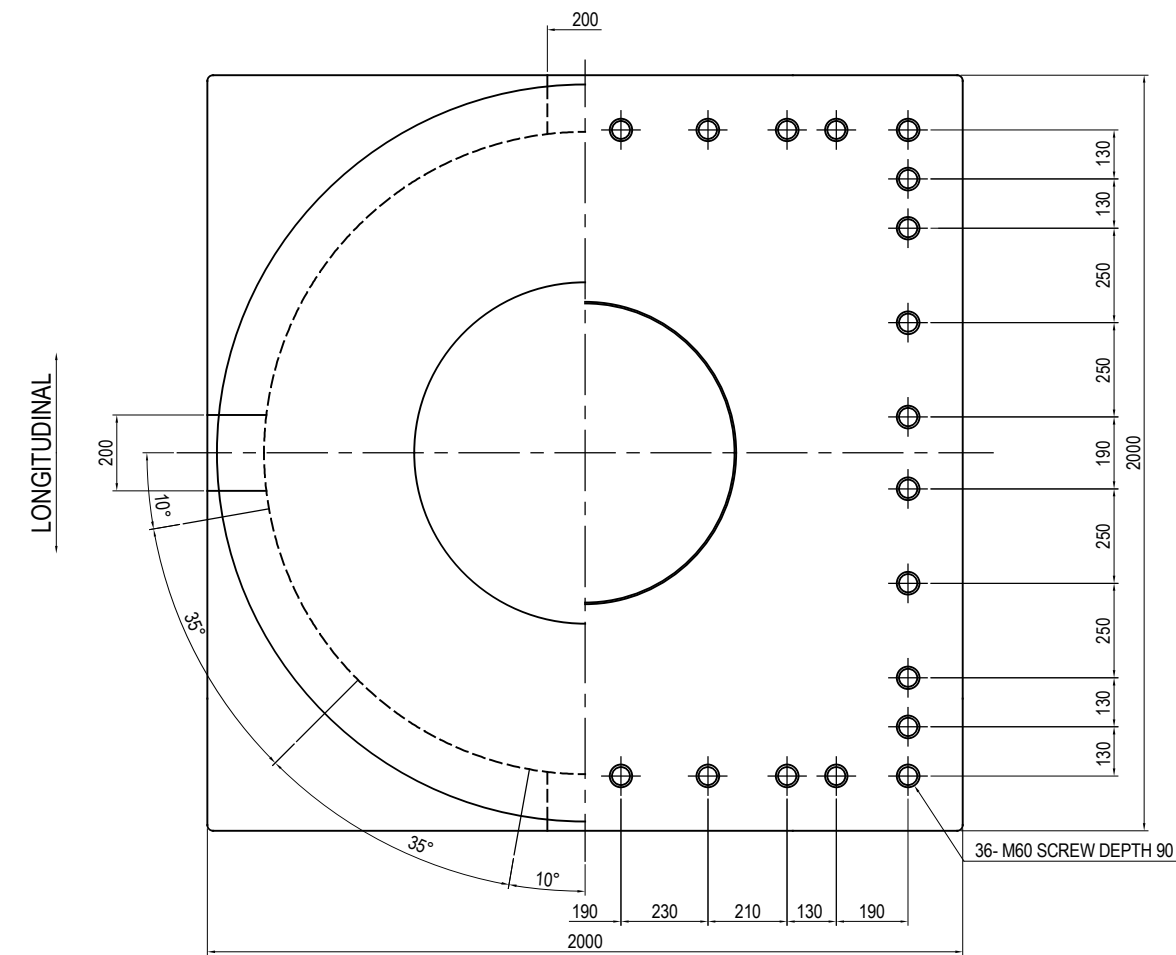
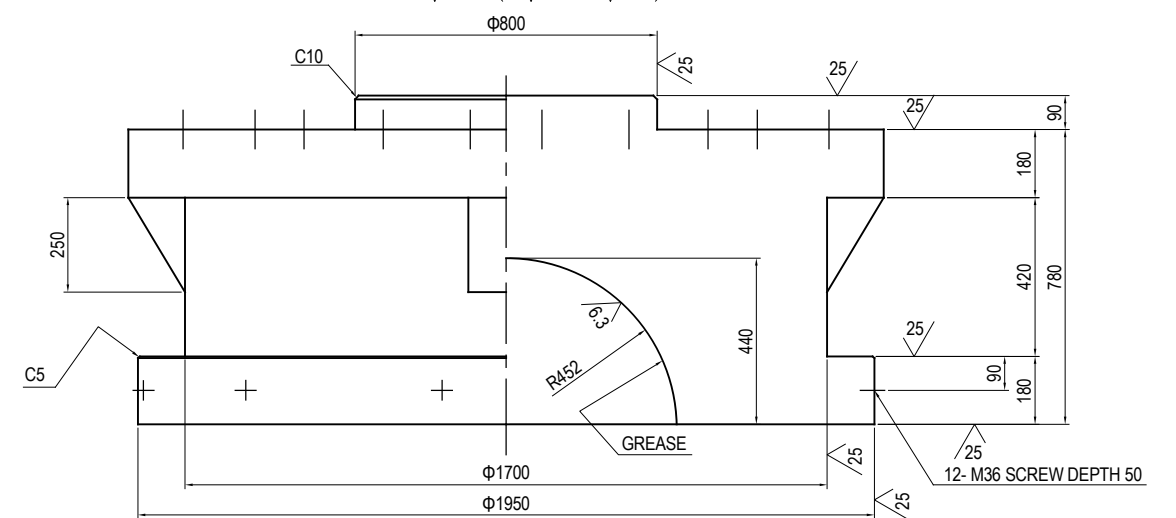
DETAIL OF PIVOT BEARING (2)

S=1:20

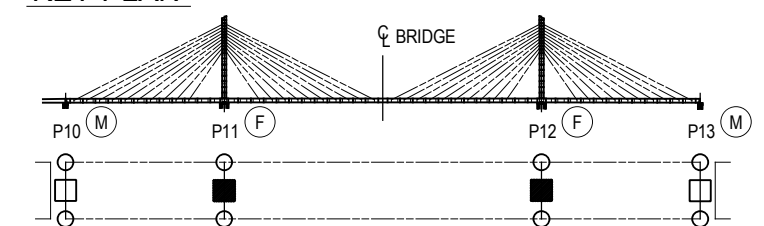
② (25/6.3) SCW480N



① (25/6.3) SCW480N



KEY PLAN



NOTES:

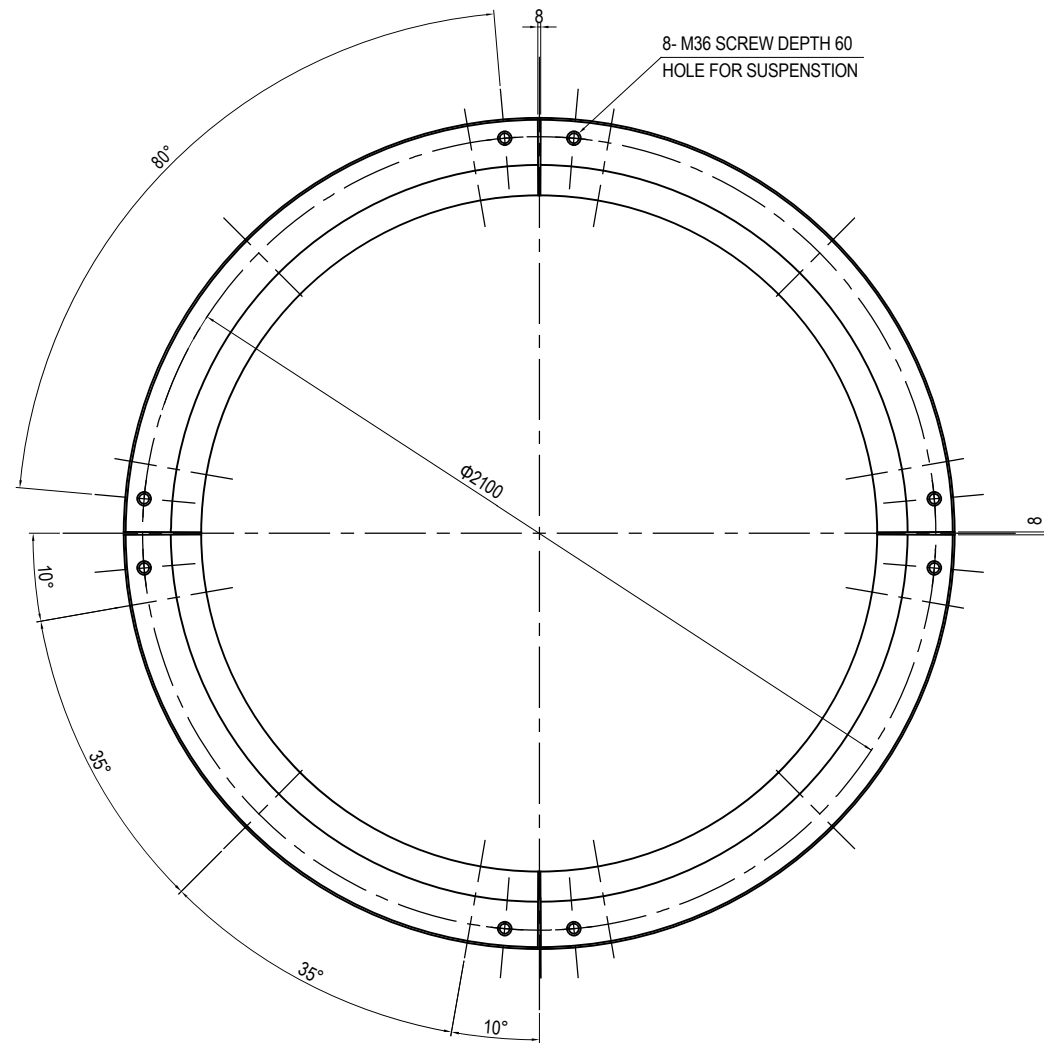
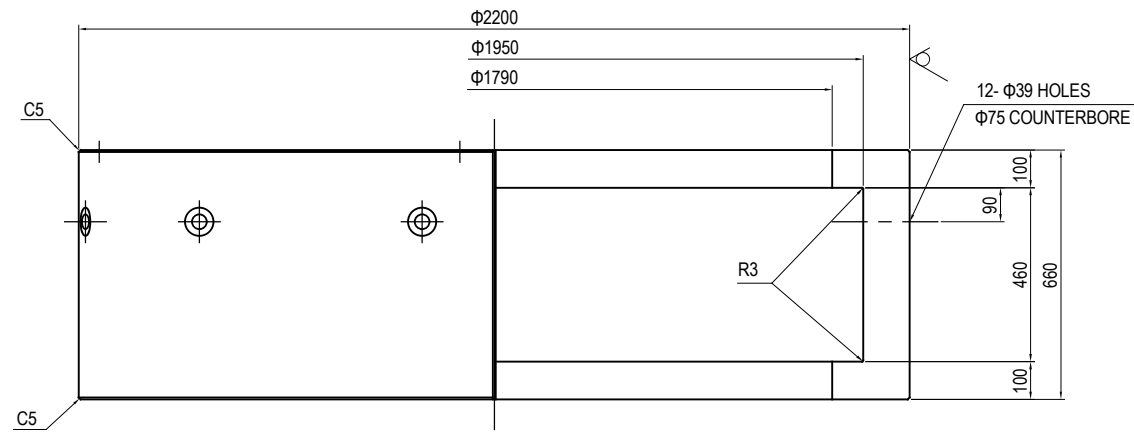
1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PIVOT BEARING (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3011

DETAIL OF PIVOT BEARING (3)

S=1:20

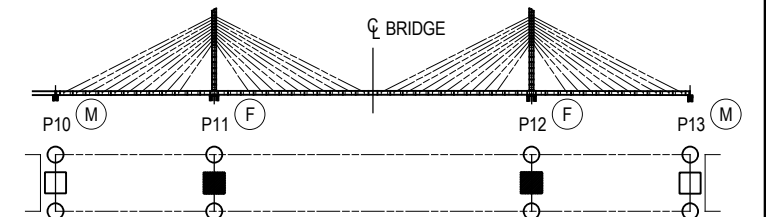
③ 25 () SCW480N



NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF PIVOT BEARING (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3012

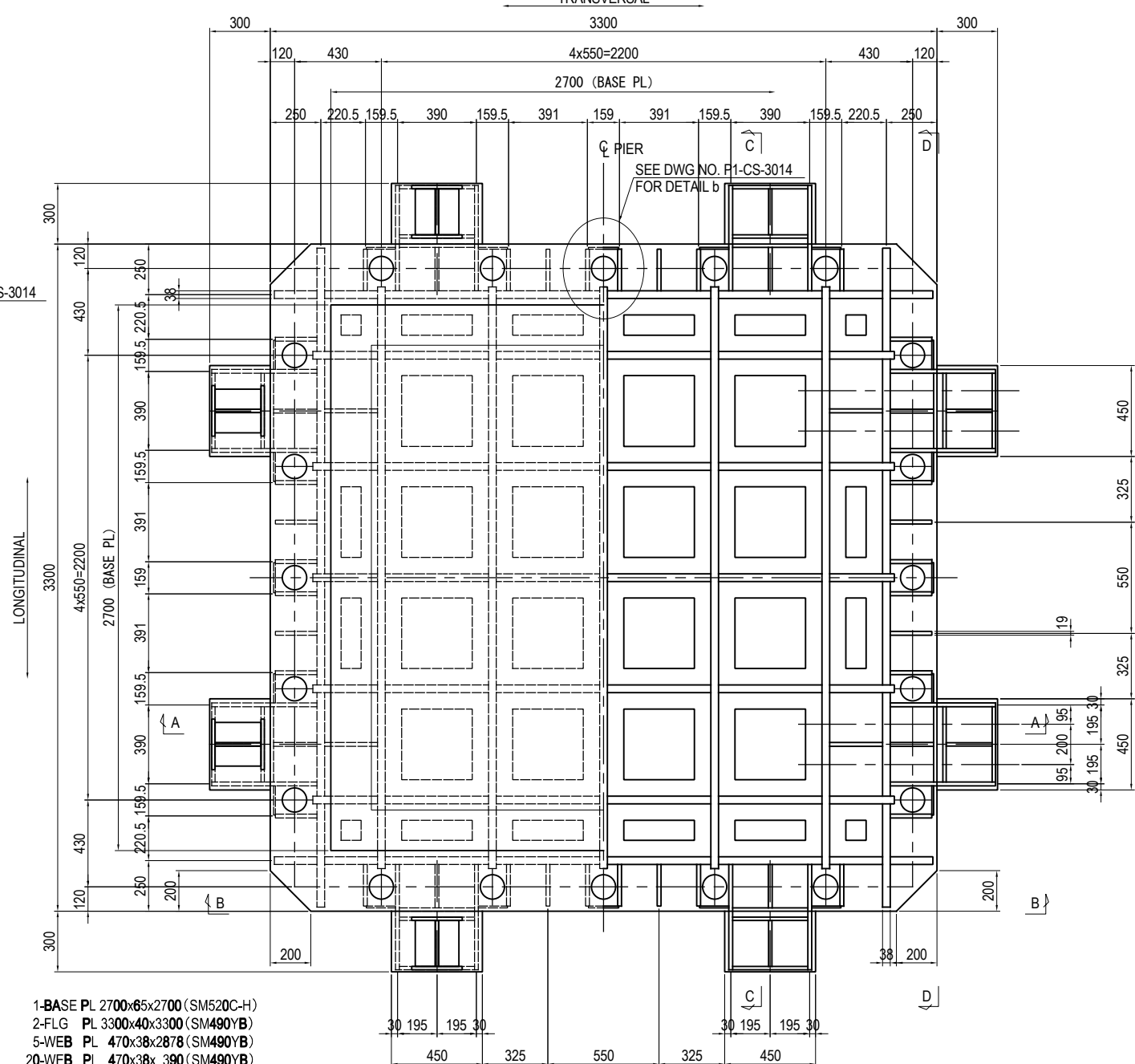
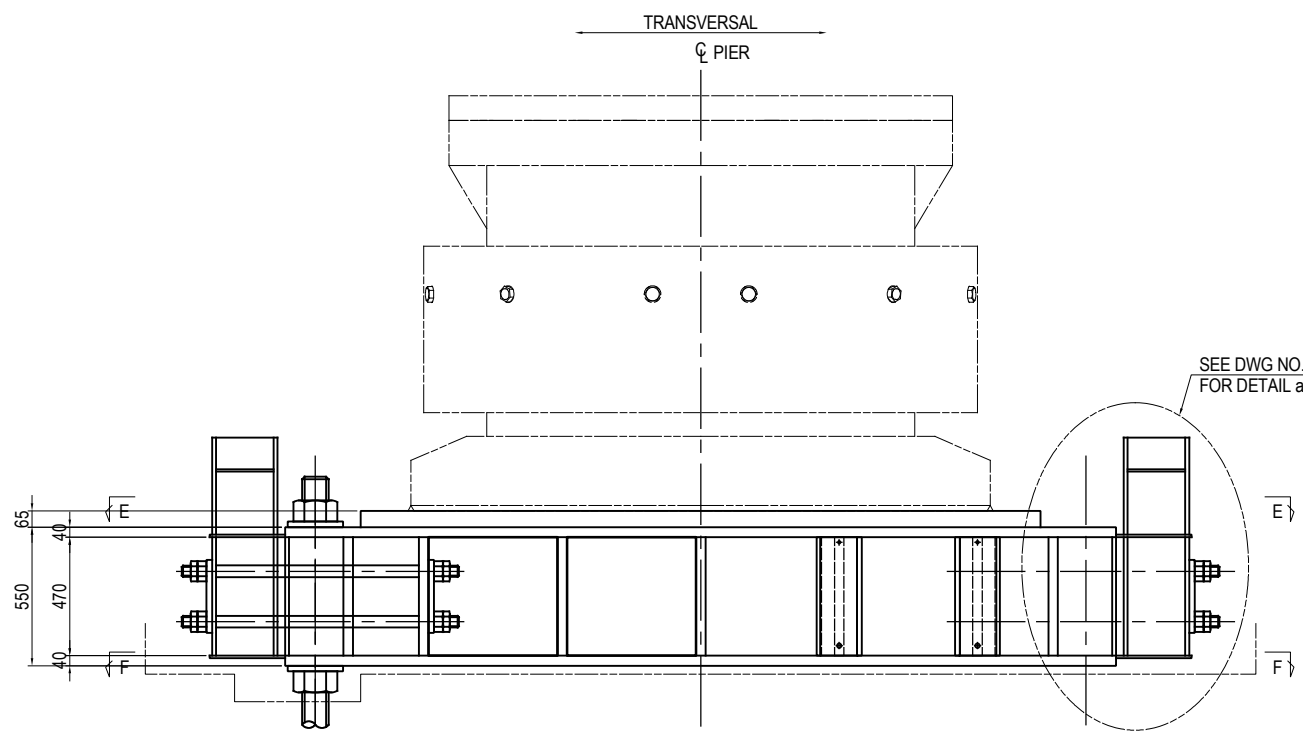
PIER P11 & P12 PEDESTAL FRAME (1) S=1:30

HALF SECTION A-A

HALF SECTION B-B

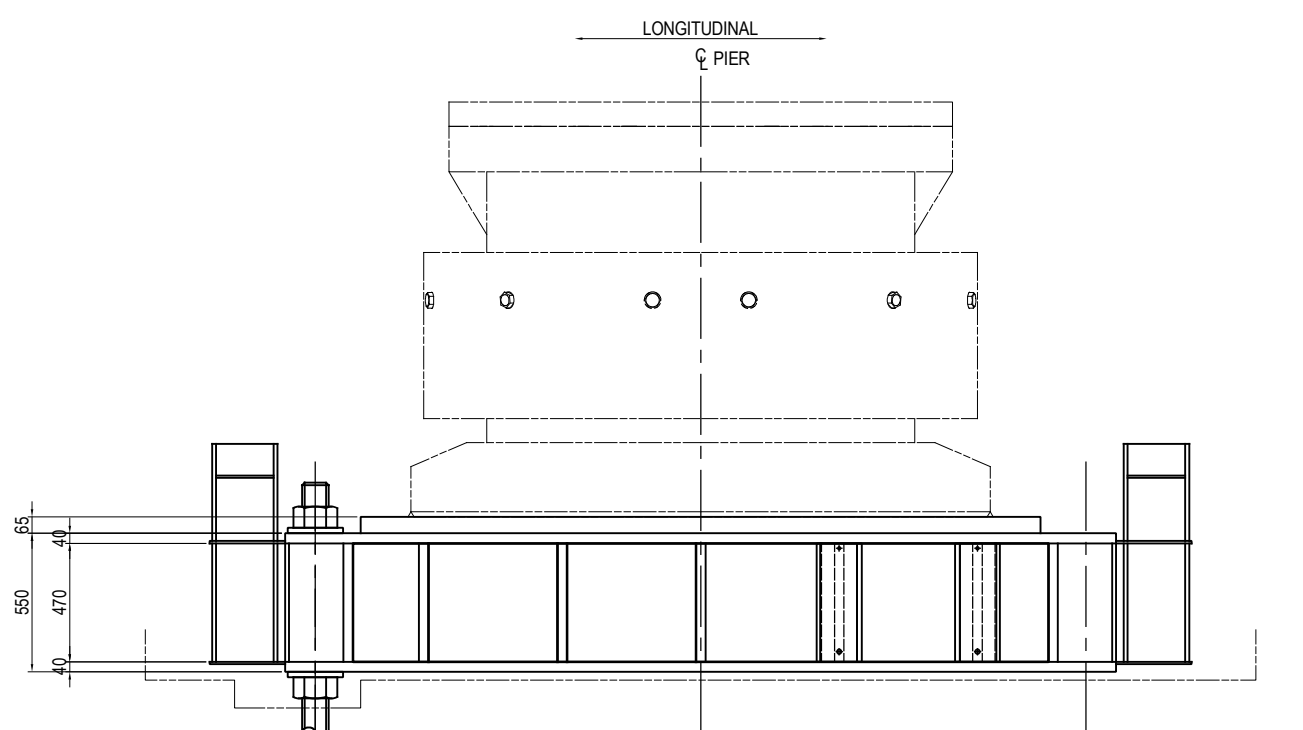
HALF SECTION E-E

HALF SECTION F-F



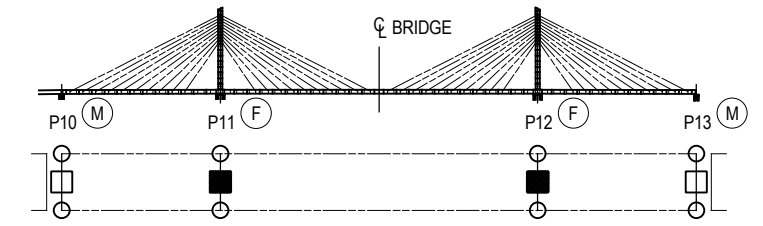
HALF SECTION C-C

HALF SECTION D-D



- 1-BASE PL 2700x65x2700 (SM520C-H)
- 2-FLG PL 3300x40x3300 (SM490YB)
- 5-WEB PL 470x38x2878 (SM490YB)
- 20-WEB PL 470x38x 390 (SM490YB)
- 20-WEB PL 470x38x 391 (SM490YB)
- 4-WEB PL 470x38x 262 (SM490YB)
- 10-WEB PL 470x38x 320 (SM490YB)
- 4-WEB PL 470x38x 211 (SM490YB)
- 4-WEB PL 470x38x 511 (SM490YB)
- 16-RIB PL 470x19x 206 (SM490YB)
- 8-RIB PL 470x19x 206 (SM490YB)
- 16-PL 470x 9x 145 (SM400A)
- 4-PL 470x 9x 150 (SM400A)

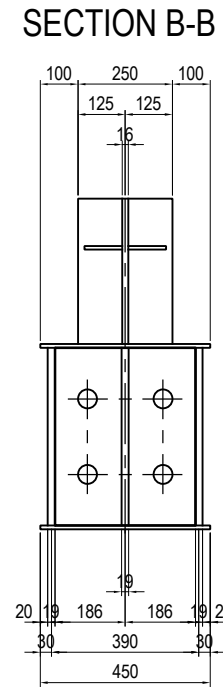
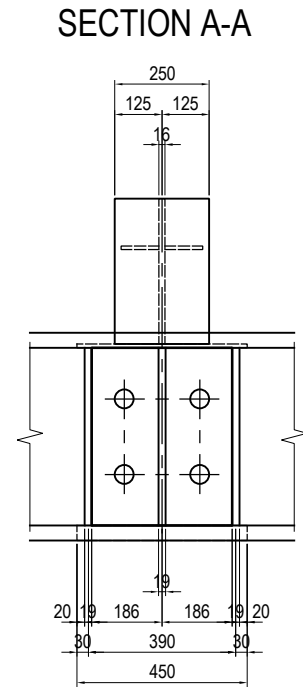
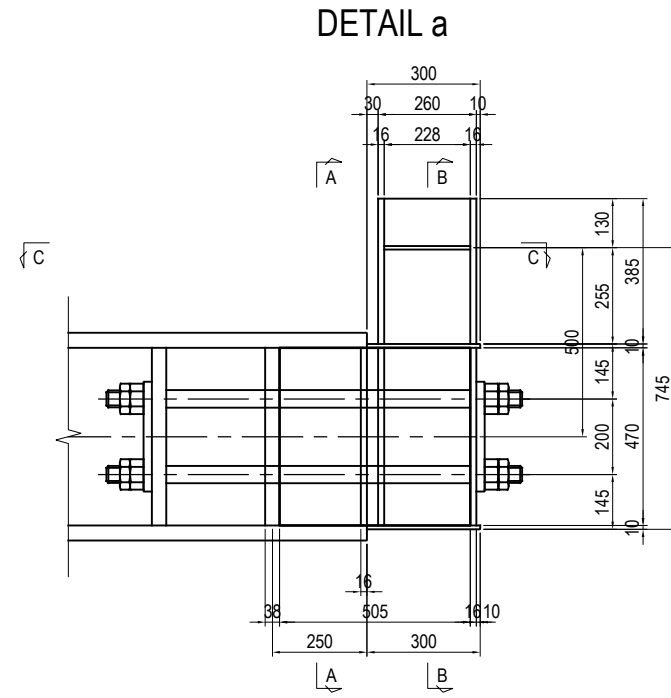
KEY PLAN



<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p>DRAWING TITLE PIER P11 & P12 PEDESTAL FRAME (1)</p>	<p>PACKAGE 1 DWG No. P1-CS-3013</p>
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

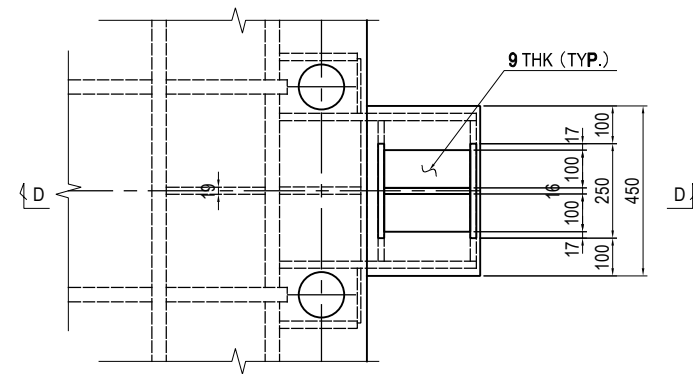
PIER P11 & P12 PEDESTAL FRAME (2)

S=1:20

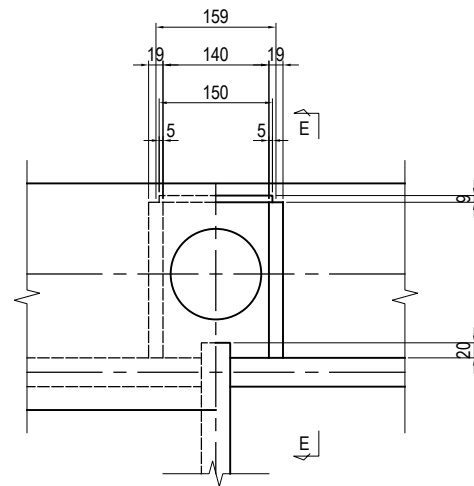


- 8-PL 470x16x 372(SM400A)
- 16-FLG PL 470x16x 372(SM400A)
- 16-WEB PL 470x19x 505(SM400A)
- 16-FLG PL 385x16x 250(SM400A)
- 8-WEB PL 385x16x 228(SM400A)
- 16-STIFF PL 100x 9x 228(SM400A)
- 8-RIB PL 470x19x 262(SM400A)
- 8-RIB PL 470x19x 215(SM400A)
- 8-RIB PL 470x16x 228(SM400A)
- 16-BOLT M46x1100(S35C)
- 32-NUT M45(S35C)
- 32-NUT M45(S35C)
- 32-WASHER PL 90x22x290(SS400)

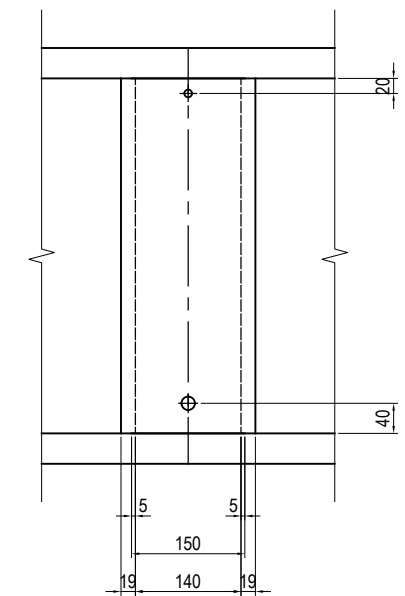
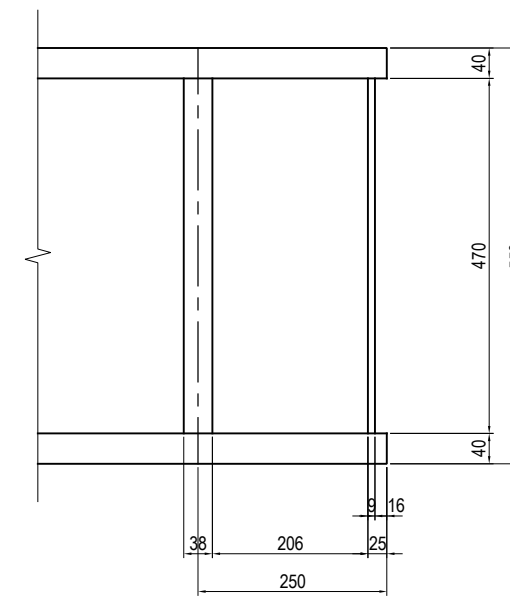
SECTION C-C



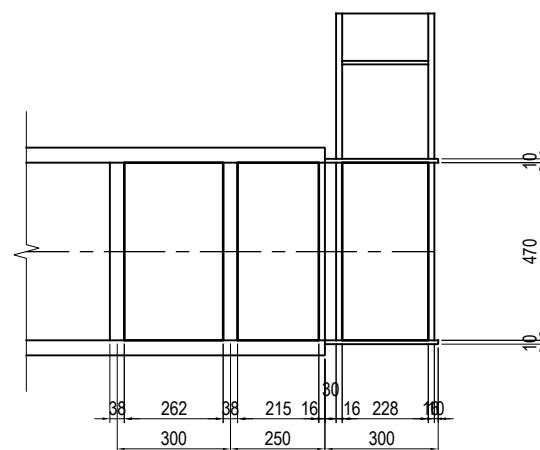
DETAIL b S=1:10



SECTION E-E S=1:10



SECTION D-D



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE PIER P11 & P12 PEDESTAL FRAME (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3014

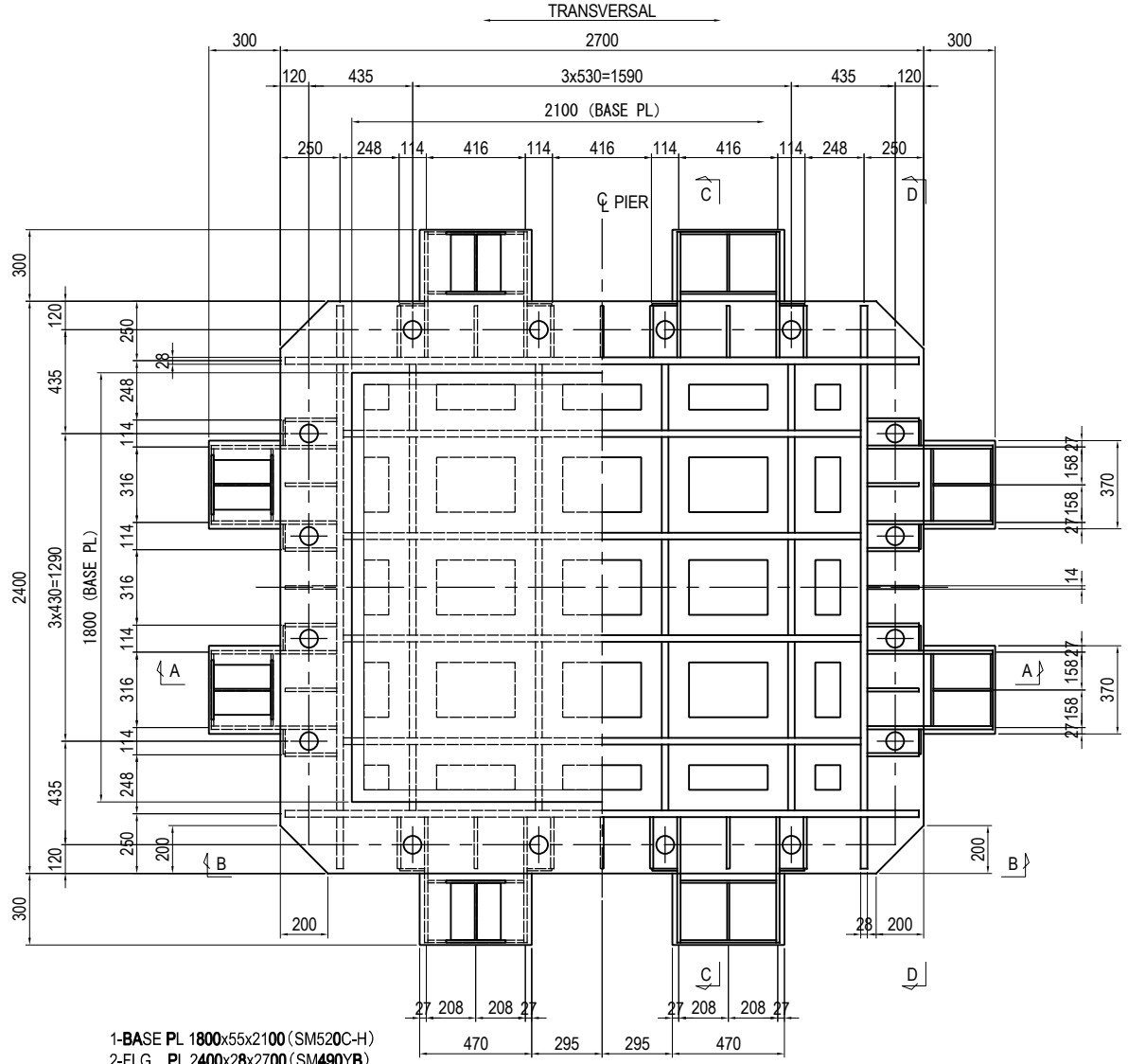
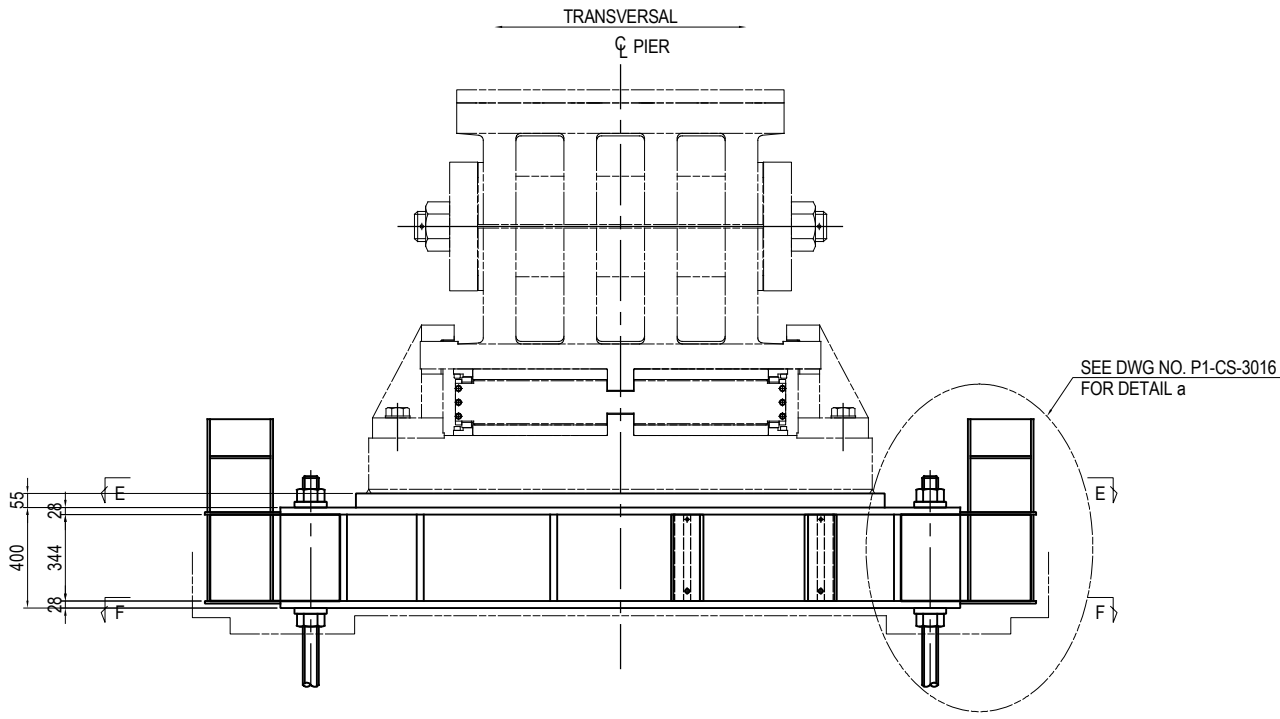
PIER P11 & P12 PEDESTAL FRAME (3) S=1:30

HALF SECTION A-A

HALF SECTION B-B

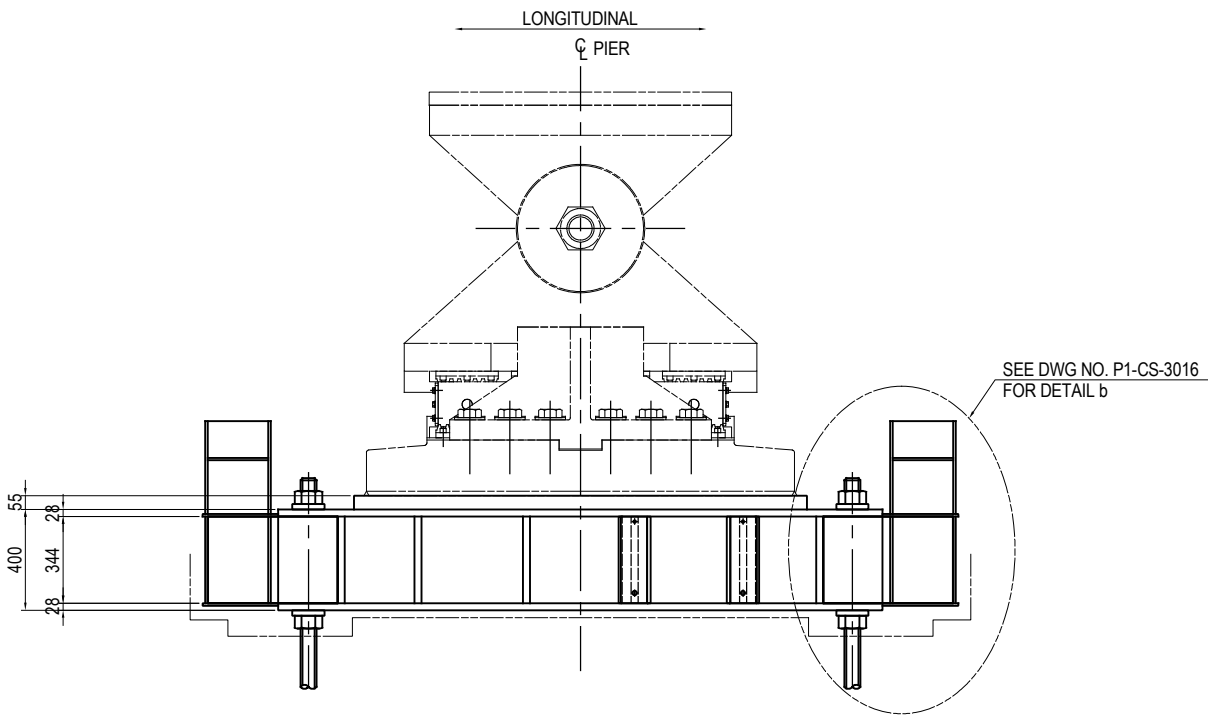
HALF SECTION E-E

HALF SECTION F-F



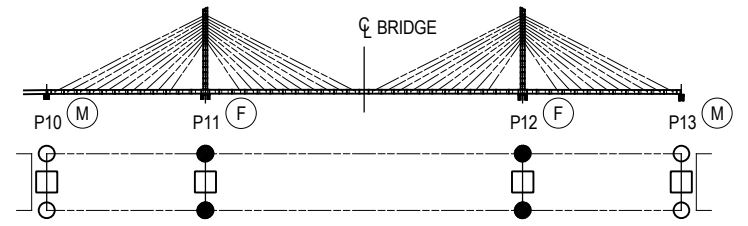
HALF SECTION C-C

HALF SECTION D-D



- 1-BASE PL 1800x55x2100 (SM520C-H)
- 2-FLG PL 2400x28x2700 (SM490YB)
- 2-WEB PL 344x28x2660 (SM490YB)
- 4-WEB PL 344x28x2172 (SM490YB)
- 2-WEB PL 344x28x1872 (SM490YB)
- 12-WEB PL 344x28x 402 (SM490YB)
- 4-WEB PL 344x28x 277 (SM490YB)
- 4-WEB PL 344x28x 216 (SM490YB)
- 16-RIB PL 344x14x 216 (SM490YA)
- 4-RIB PL 344x14x 216 (SM490YA)
- 16-PL 344x 9x 105 (SM400A)

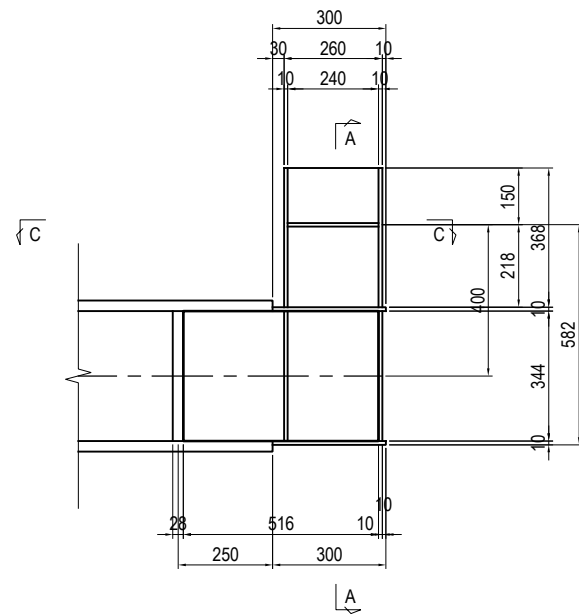
KEY PLAN



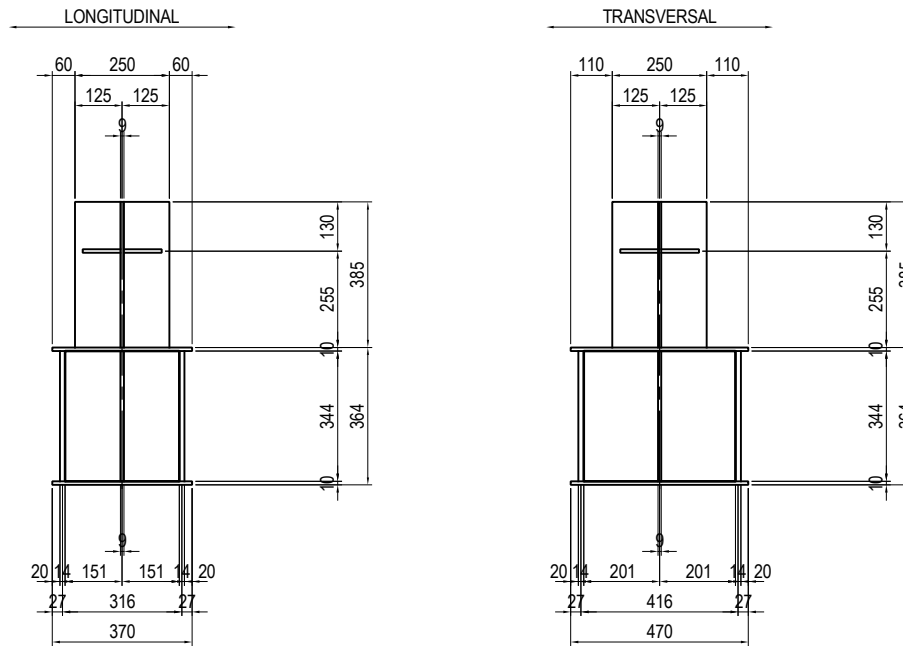
<p>PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT</p>	<p>FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE</p>	<p>JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>PREPARED BY T. TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T. TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			<p style="text-align: center;">DRAWING TITLE</p> <p style="text-align: center; font-weight: bold;">PIER P11 & P12 PEDESTAL FRAME (3)</p>	<p>PACKAGE</p> <p style="text-align: center;">1</p> <p>DWG No.</p> <p style="text-align: center;">P1-CS-3015</p>
NAME	SIGNATURE	DATE																
PREPARED BY T. TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

PIER P11 & P12 PEDESTAL FRAME (4) S=1:20

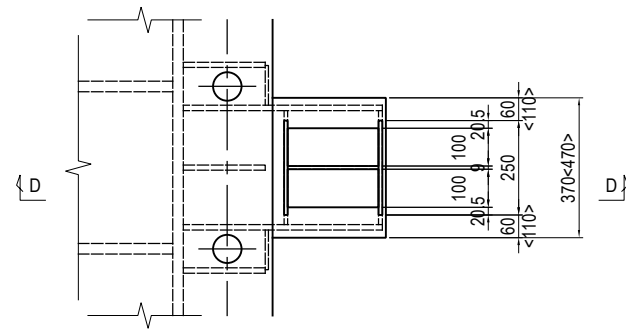
DETAIL a



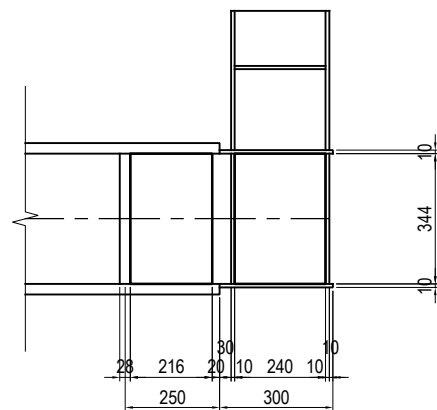
SECTION A-A



SECTION C-C



SECTION D-D



DETAIL "a" ONLY

- 8-WEB PL 344x14x 516 (SM400A)
- 4-FLG PL 344x10x 316 (SM400A)
- 8-FLG PL 385x10x 250 (SM400A)
- 4-WEB PL 385x 9x 240 (SM400A)
- 8-STIFF PL 100x 9x 240 (SM400A)
- 4-RIB PL 344x14x 216 (SM400A)
- 4-RIB PL 344x14x 240 (SM400A)

DETAIL "b" ONLY

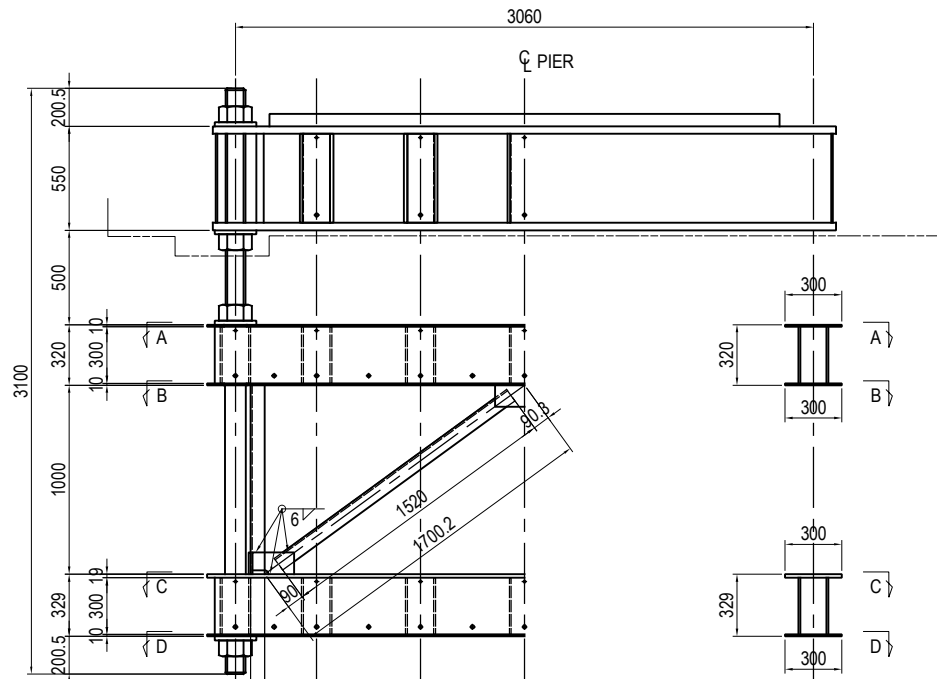
- 8-WEB PL 344x14x 516 (SM400A)
- 4-FLG PL 344x10x 416 (SM400A)
- 8-FLG PL 385x10x 250 (SM400A)
- 4-WEB PL 385x 9x 240 (SM400A)
- 8-STIFF PL 100x 9x 240 (SM400A)
- 4-RIB PL 344x14x 216 (SM400A)
- 4-RIB PL 344x14x 240 (SM400A)

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	PREPARED BY T.TOMODA			PIER P11 & P12 PEDESTAL FRAME (4)	1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-3016

PIER P11 & P12 ANCHOR FRAME (1) S=1:40

SECTION E-E

TRANSVERSAL



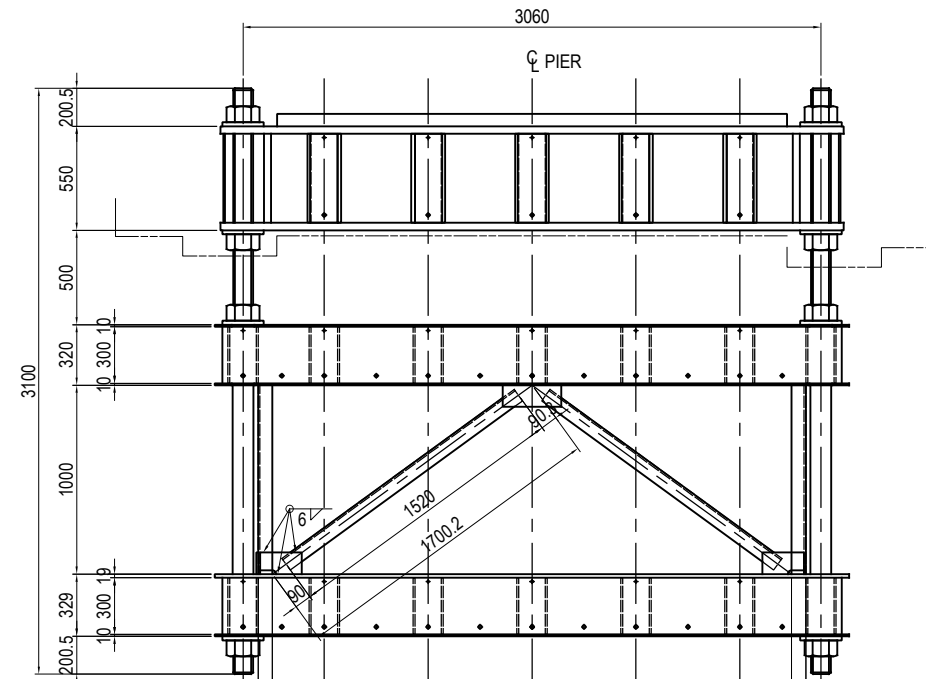
- 4-L 75x75x 9x1000 (SS400)
- 4-L 75x75x 9x1520 (SS400)
- 4-GUSS PL 120x 9x220 (SM400A)
- 2-GUSS PL 120x 9x310 (SM400A)

HALF SECTION A-A HALF SECTION B-B

TRANSVERSAL

SECTION F-F

LONGITUDINAL

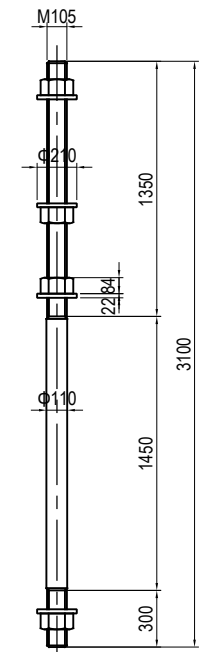


- 4-L 75x75x 9x1520 (SS400)
- 4-GUSS PL 120x 9x220 (SM400A)
- 2-GUSS PL 120x 9x310 (SM400A)

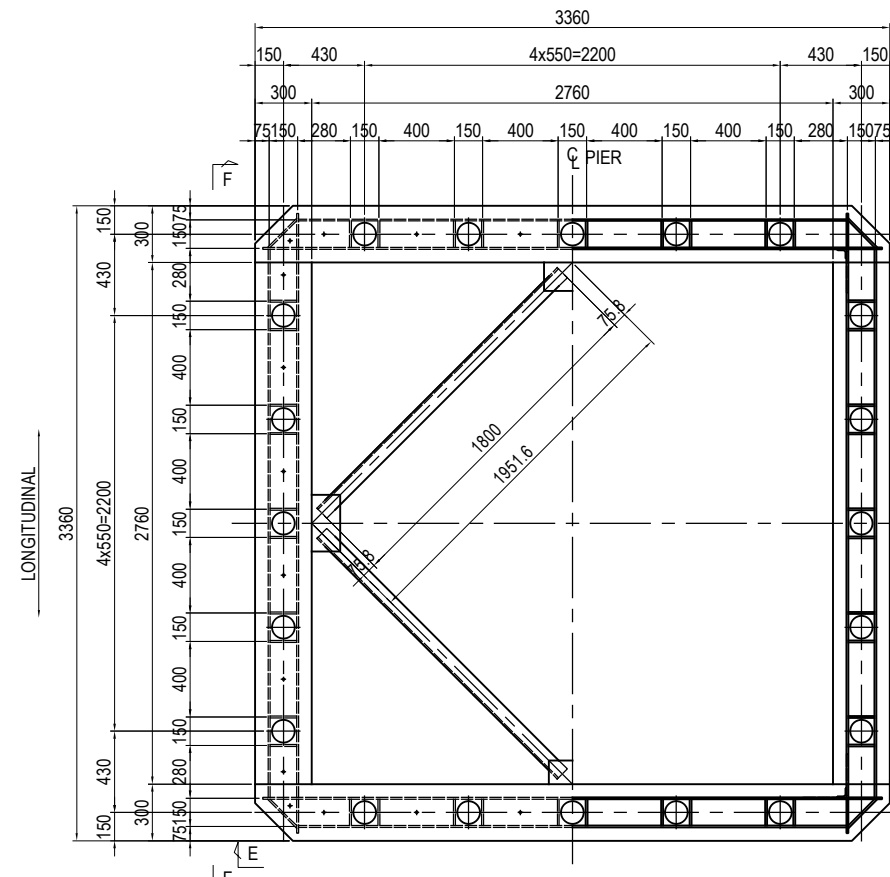
HALF SECTION C-C HALF SECTION D-D

TRANSVERSAL

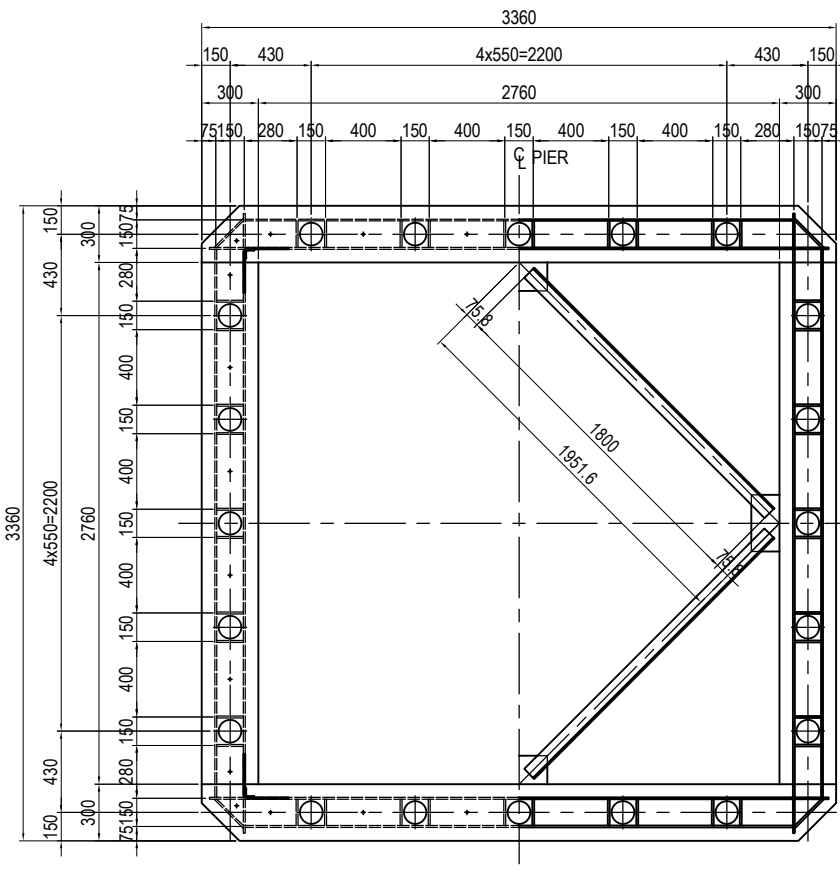
DETAIL FOR ANCHOR BOLT



- 20-ANC.BOLT M110x3100 (S35C)
- 80-NUT M105 (S35C)
- 80-WASHER PL Φ210x22 (SS400)

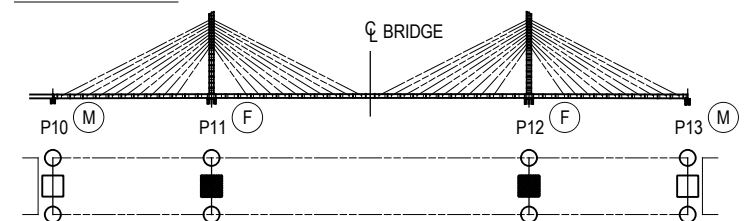


- 4-FLG PL 300x10x3360 (SM400A)
- 4-FLG PL 300x10x2760 (SM400A)
- 2-WEB PL 300x10x3280 (SM400A)
- 6-WEB PL 300x10x2900 (SM400A)
- 4-WEB PL 300x10x 180 (SM400A)
- 4-WEB PL 300x10x 218 (SM400A)
- 40-DIA PL 300x10x 140 (SM400A)
- 4-L 75x75x 9x1800 (SS400)
- 4-GUSS PL 150x 9x300 (SM400A)



- 2-FLG PL 300x19x3360 (SM400A)
- 2-FLG PL 300x19x2760 (SM400A)
- 2-FLG PL 300x10x3360 (SM400A)
- 2-FLG PL 300x10x2760 (SM400A)
- 2-WEB PL 300x10x3280 (SM400A)
- 6-WEB PL 300x10x2900 (SM400A)
- 4WEB PL 300x10x 180 (SM400A)
- 4-WEB PL 300x10x 218 (SM400A)
- 40-DIA PL 300x10x 140 (SM400A)
- 4-L 75x75x 9x1800 (SS400)
- 4-GUSS PL 150x 9x300 (SM400A)
- 40-PL 85x 6x170 (SM400A)

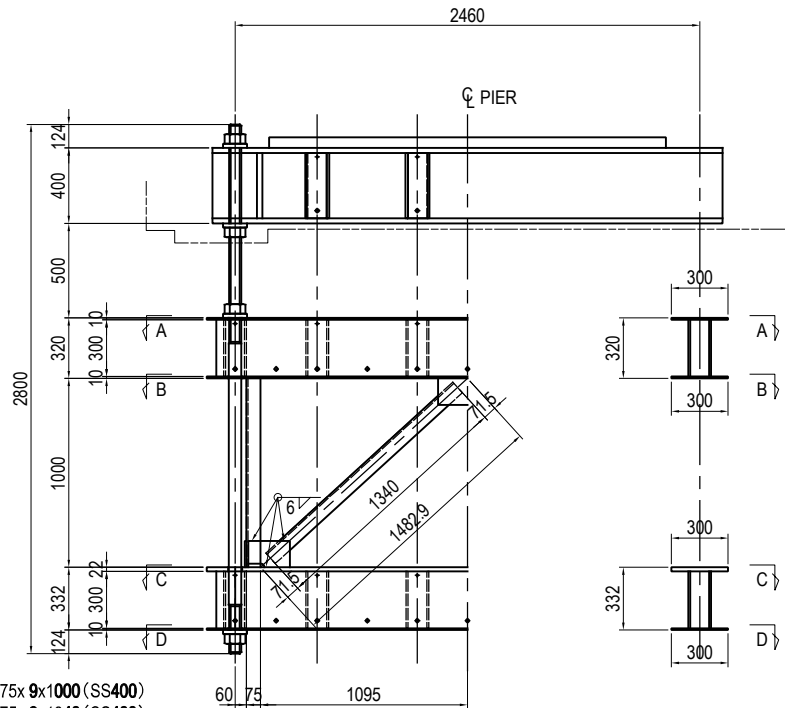
KEY PLAN



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE PIER P11 & P12 ANCHOR FRAME (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3017

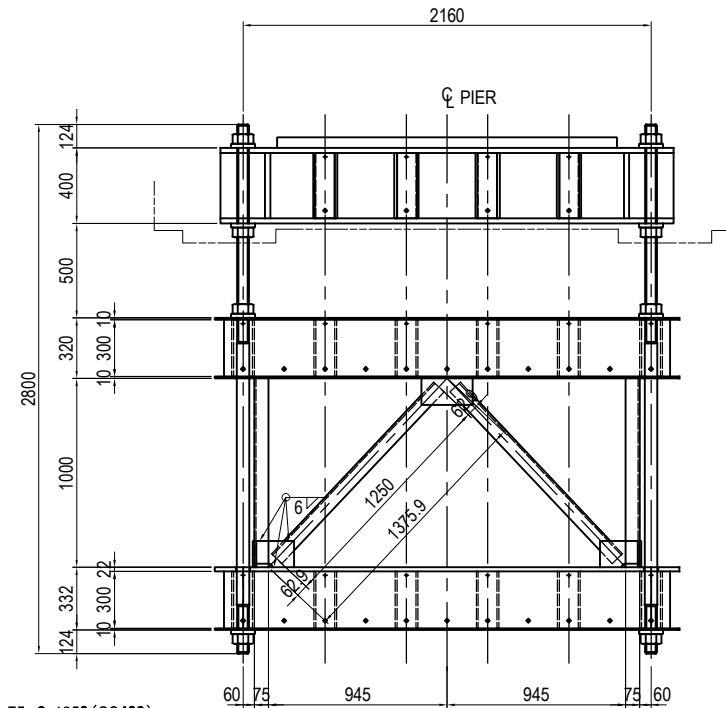
PIER P11 & P12 ANCHOR FRAME (2) S=1:40

SECTION E-E
TRANSVERSAL



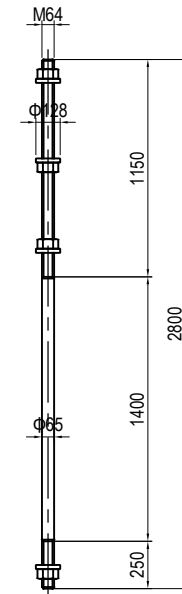
- 4-L 75x75x9x1000 (SS400)
- 4-L 75x75x9x1340 (SS400)
- 4-GUSS PL 140x9x220 (SM400A)
- 2-GUSS PL 140x9x310 (SM400A)

SECTION F-F
LONGITUDINAL



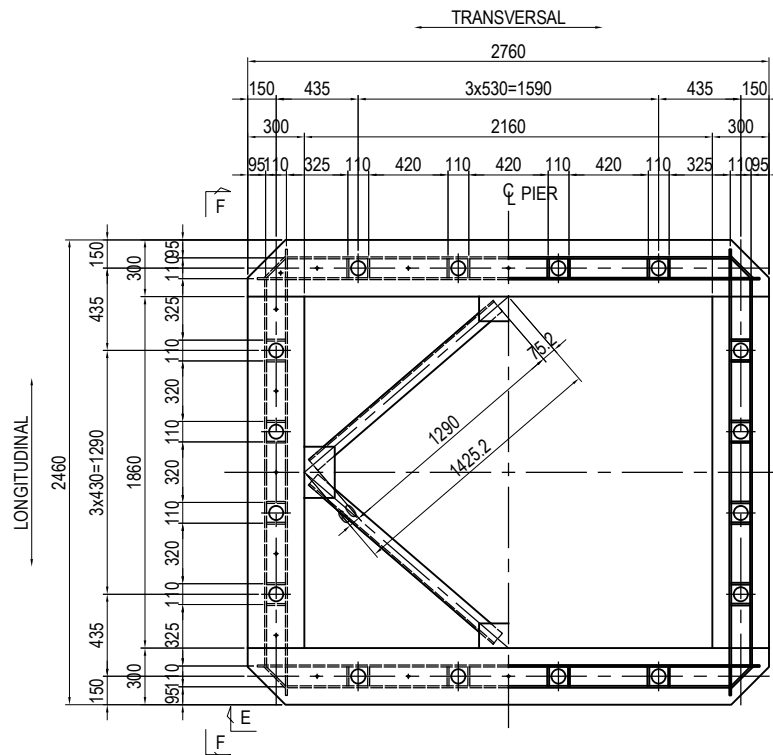
- 4-L 75x75x9x1250 (SS400)
- 4-GUSS PL 140x9x200 (SM400A)
- 2-GUSS PL 140x9x270 (SM400A)

DETAIL FOR ANCHOR BOLT



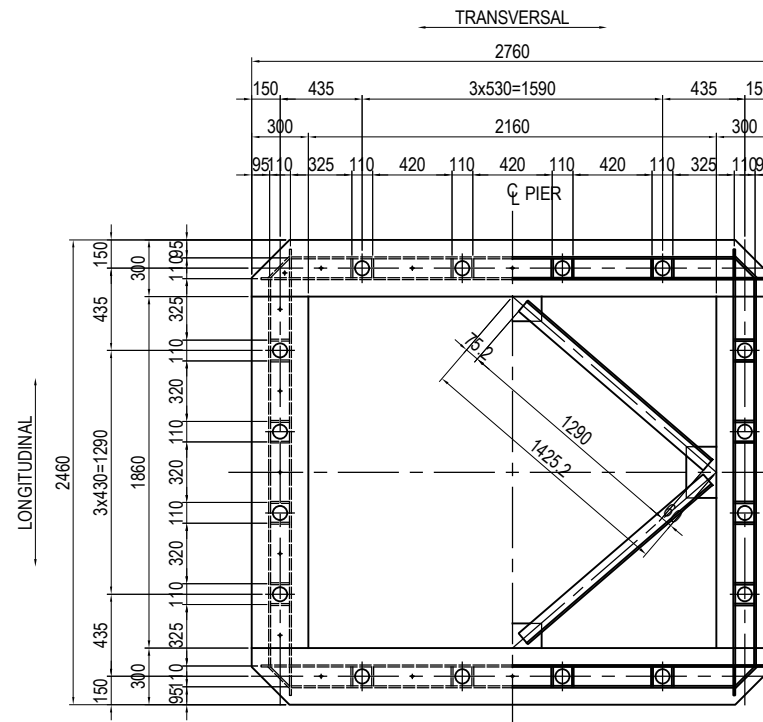
- 16-ANC.BOLT M65x2800 (S35C)
- 64-NUT M64 (S35C)
- 64-WASHER PL Φ128x22 (SS400)

HALF SECTION A-A HALF SECTION B-B
TRANSVERSAL



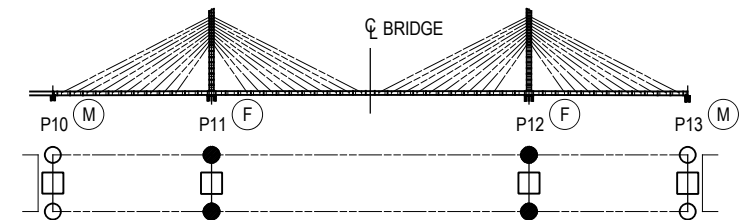
- 4-FLG PL 300x10x2760 (SM400A)
- 4-FLG PL 300x10x1860 (SM400A)
- 2-WEB PL 300x10x2340 (SM400A)
- 2-WEB PL 300x10x2640 (SM400A)
- 4-WEB PL 300x10x2040 (SM400A)
- 4-WEB PL 300x10x 150 (SM400A)
- 4-WEB PL 300x10x 161 (SM400A)
- 32-DIA PL 300x10x 100 (SM400A)
- 4-L 75x75x9x1290 (SS400)
- 2-GUSS PL 160x9x270 (SM400A)
- 2-GUSS PL 130x9x310 (SM400A)

HALF SECTION C-C HALF SECTION D-D
TRANSVERSAL



- 2-FLG PL 300x22x2760 (SM400A)
- 2-FLG PL 300x22x1860 (SM400A)
- 2-FLG PL 300x10x2760 (SM400A)
- 2-FLG PL 300x10x1860 (SM400A)
- 2-WEB PL 300x10x2340 (SM400A)
- 2-WEB PL 300x10x2640 (SM400A)
- 4-WEB PL 300x10x2040 (SM400A)
- 4-WEB PL 300x10x 150 (SM400A)
- 4-WEB PL 300x10x 161 (SM400A)
- 32-DIA PL 300x10x 100 (SM400A)
- 4-L 75x75x9x1290 (SS400)
- 2-GUSS PL 160x9x270 (SM400A)
- 2-GUSS PL 130x9x310 (SM400A)
- 32- PL 58x6x115 (SM400A)

KEY PLAN

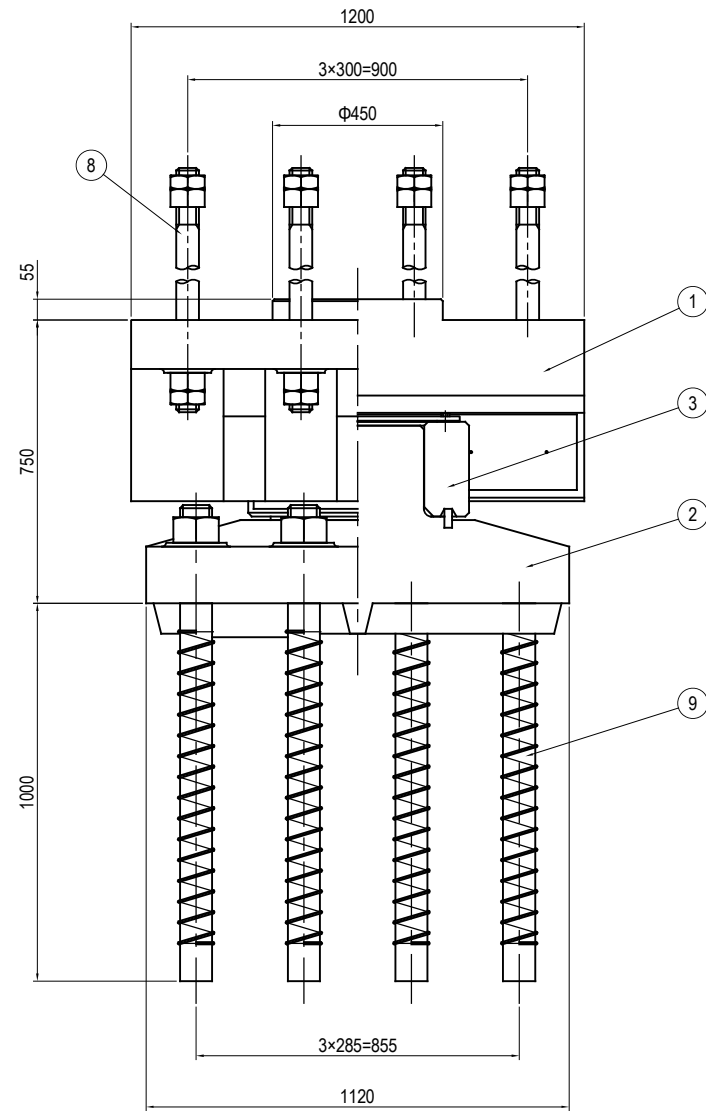


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA T. HAYAKAWA Y. SANO	SIGNATURE 	DATE 	DRAWING TITLE <p style="text-align: center;">PIER P11 & P12 ANCHOR FRAME (2)</p>	PACKAGE 1 DWG No. P1-CS-3018
---	--	---	--	---	-----------------------	------------------	--	---------------------------------------

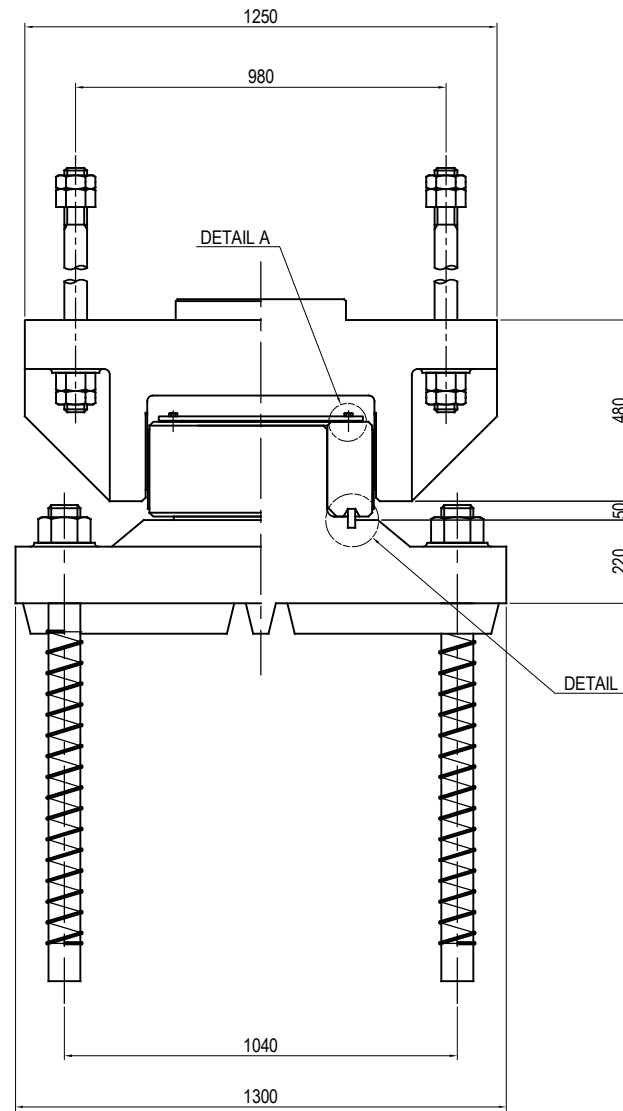
DETAIL OF BEARING FOR HORIZONTAL FORCE (1)

S=1:20

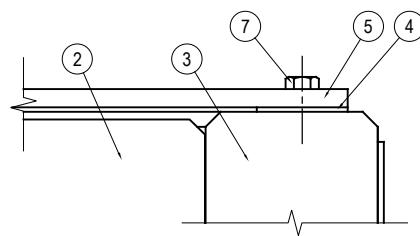
LONGITUDINAL



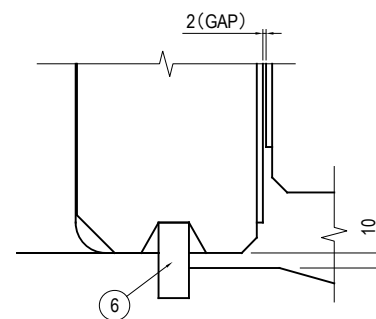
TRANSVERSAL



DETAIL A S=1:5



DETAIL B S=1:5



DESIGN CRITERIA

REACTION FORCE		
TRANSVERSAL (EARTHQUAKE)	H	6700 kN
QUANTITY OF MOVE		
AVAILABLE DISPLACEMENT	e	± 300 mm
ADMISSIBLE BEARING PRESSURE		
FOR SUBSTRUCTURE	σ_{ba}	8 N/mm ²
FOR SUPERSTRUCTURE	σ_{ba}	250 N/mm ²

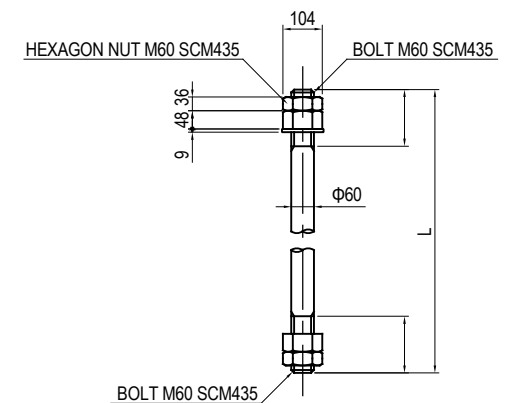
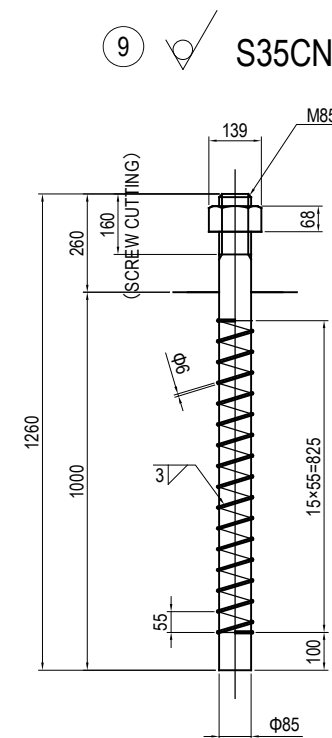
MATERIALS

NUMBER	THE NAME OF AN ARTICLE	MATERIAL	NUMBER	MASS (Kg)	NOTES
①	TOP BEARING	SCW480N+SUS316	1	2898.3	INCLUDED STAINLESS PL
②	BOTTOM BEARING	SCW480N	1	2088.0	
③	COLLAR PLATE	SCW480N+SUS316	1	490.5	INCLUDED STAINLESS PL
4	SEAL RUBBER	CHLOROPRENE RUBBER	1	0.3	
⑤	HOLDING PLATE	SS400	1	21.4	
6	SEALRING	CHLOROPRENE RUBBER	1	2.0	
7	HEXAGON BOLT	STAINLESS	12	0.5	JIS B 1180
8	SET BOLT WITH NUT	SCM435	8	—	
⑨	ANCHOR BOLT WITH NUT	S35CN	8	487.3	JIS B 1181 M85
TOTAL WEIGHT				5988.3	(Kg)
CORROSION PROOF FOR OUTSIDE PL					
HOT-DIP GALVANIZED COATING OVER 550g/m ² , 350g/m ² (FOR BOLT, WASHER & NUT)					

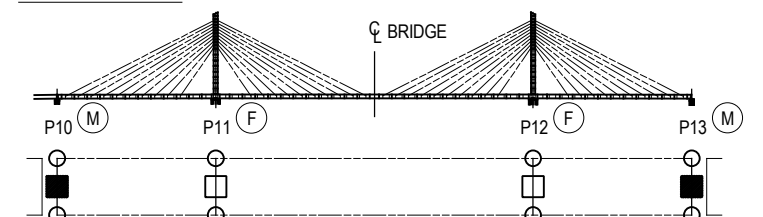
NOTES: 1- CIRCLE NUMBER IN MATERIAL TABLE INDICATES HOT-DIP GALVANIZED.
2- NUMBER 8, SET BOLT WITH NUT COATING HIGH ZINC CONCENTRATION.

⑦ HEXAGON HEAD BOLT M12 x 30 STAINLESS

⑧ BOLT M60 x L SCM435
HEXAGON NUT M60 SCM435
WASHER 60 x 110 x 9.0 22H



KEY PLAN



NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

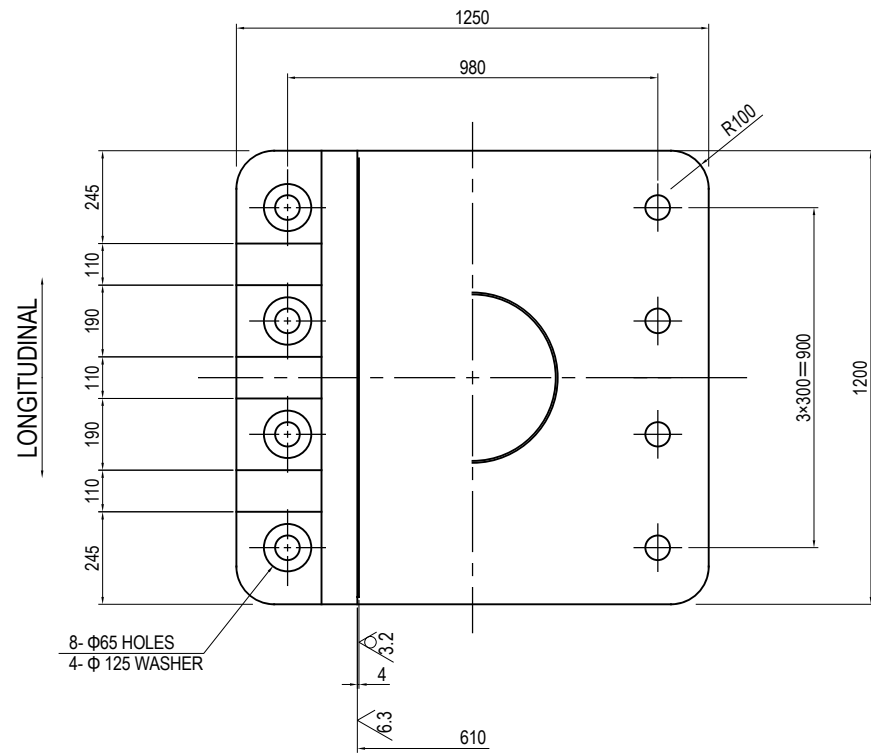
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE DETAIL OF BEARING FOR HORIZONTAL FORCE (1)	PACKAGE 1 DWG No. P1-CS-3019
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

DETAIL OF BEARING FOR HORIZONTAL FORCE (2)

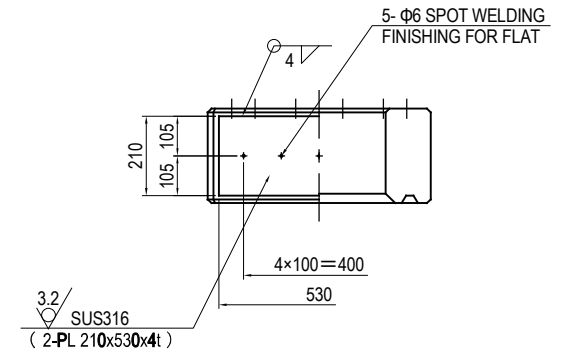
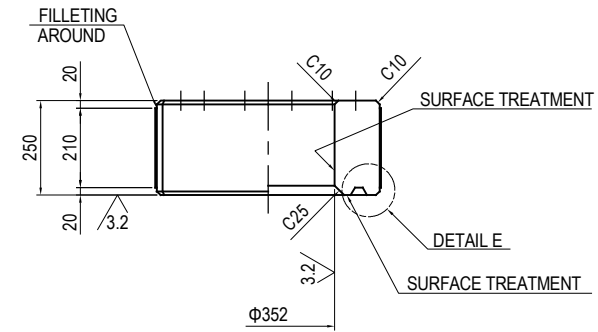
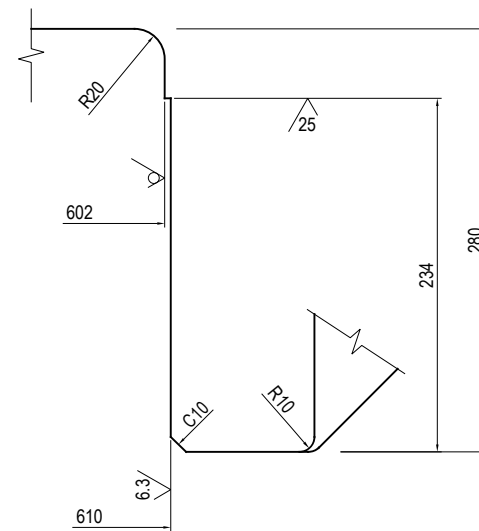
S=1:20

① (25/6.3) SCW480N+SUS316

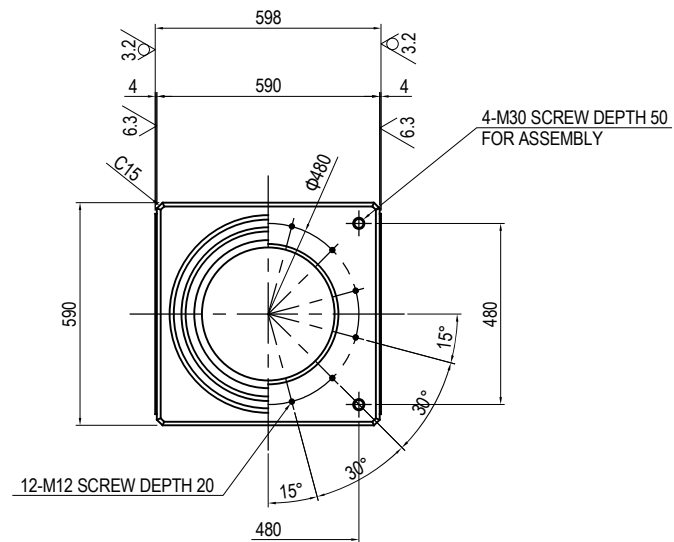
③ (25/6.3/3.2) SCW480N+SUS316



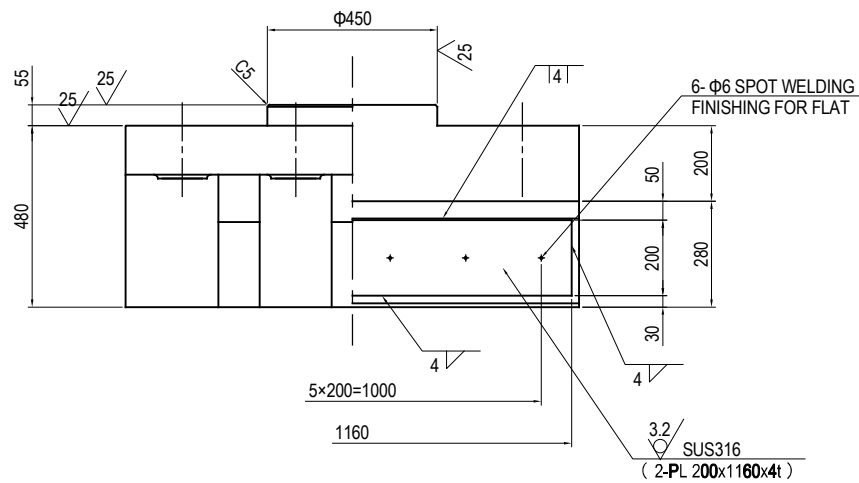
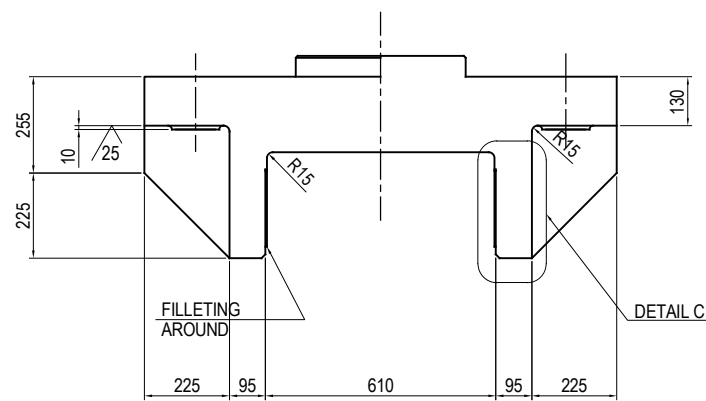
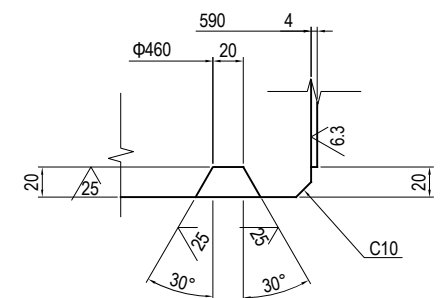
DETAIL C S=1:5



LONGITUDINAL



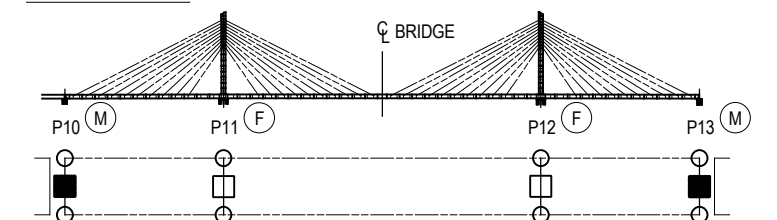
DETAIL E S=1:5



NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL..

KEY PLAN



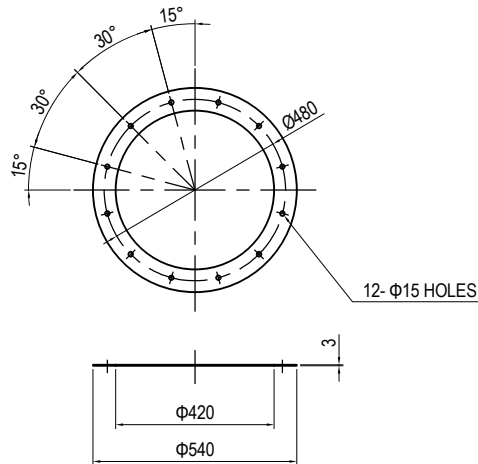
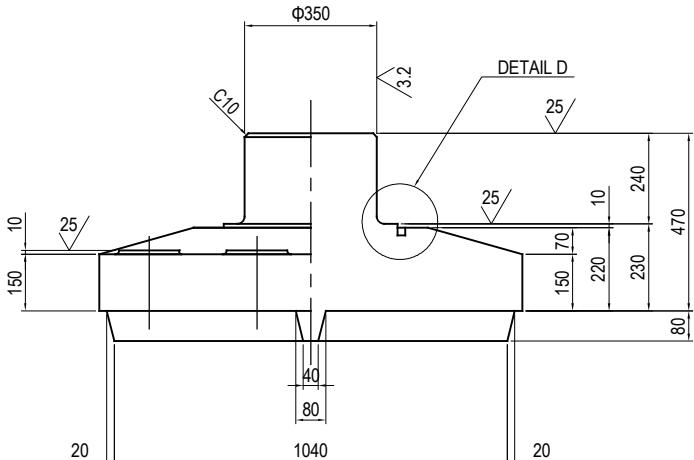
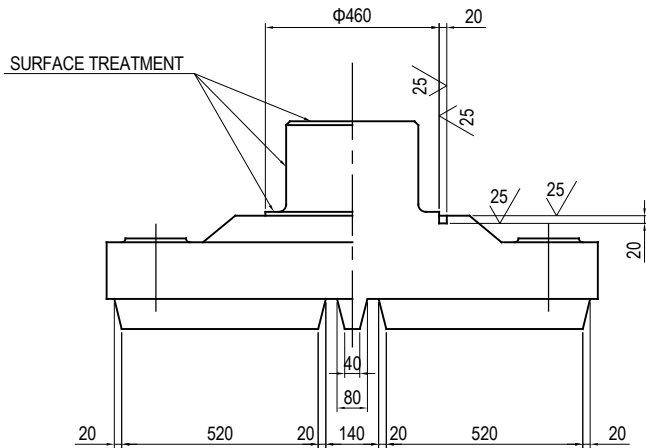
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF BEARING FOR HORIZONTAL FORCE (2)	PACKAGE 1 DWG No. P1-CS-3020
				PREPARED BY	T.TOMODA			
				CHECKED BY	T.HAYAKAWA			
				APPROVED BY	Y.SANO			

DETAIL OF BEARING FOR HORIZONTAL FORCE (3)

S=1:20

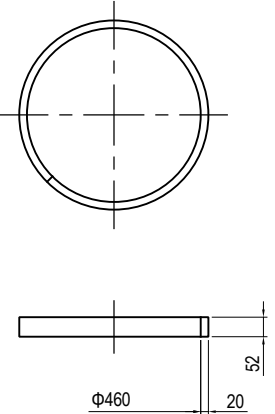
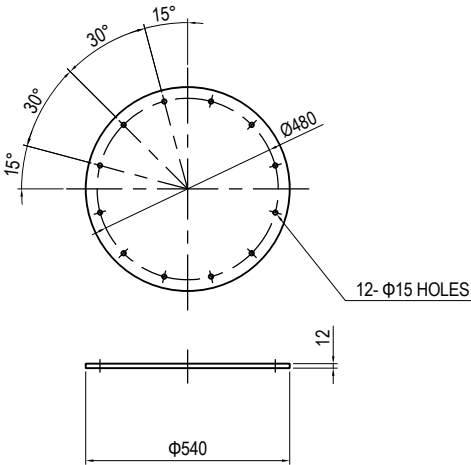
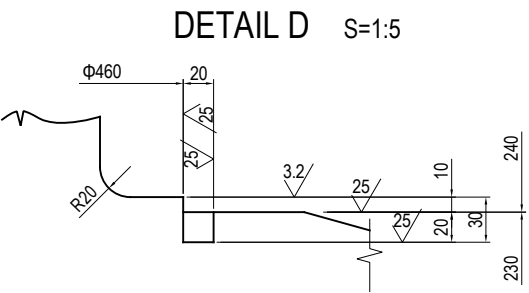
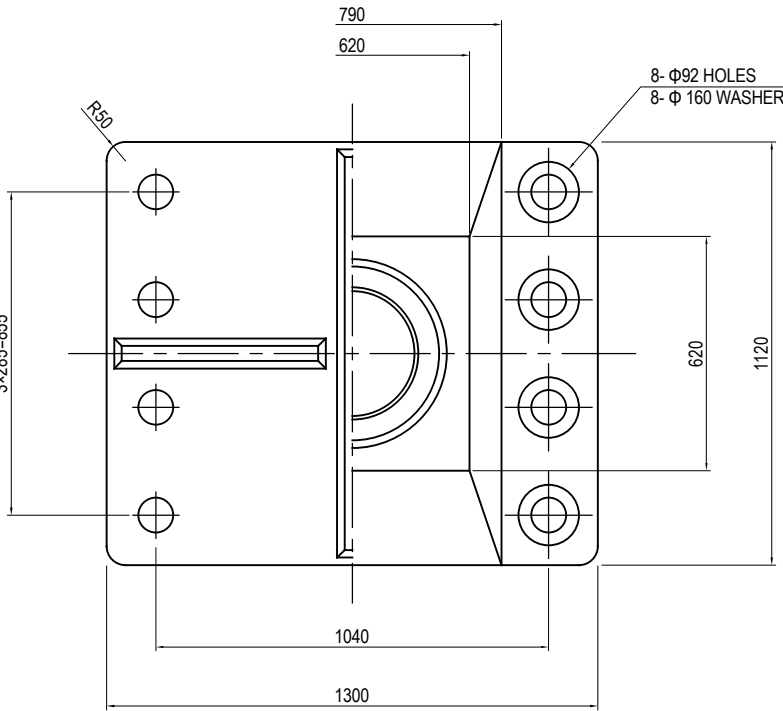
② ✓ (25/3.2) SCW480N

④ ✓ CHLOROPRENE RUBBER

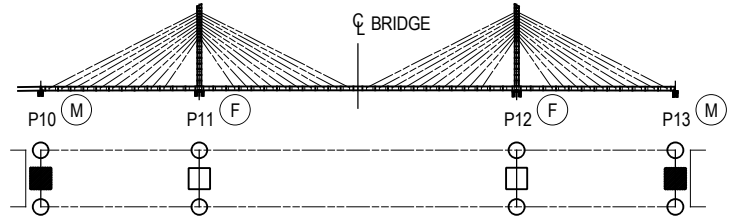


⑤ ✓ SS400

⑥ ✓ CHLOROPRENE RUBBER



KEY PLAN



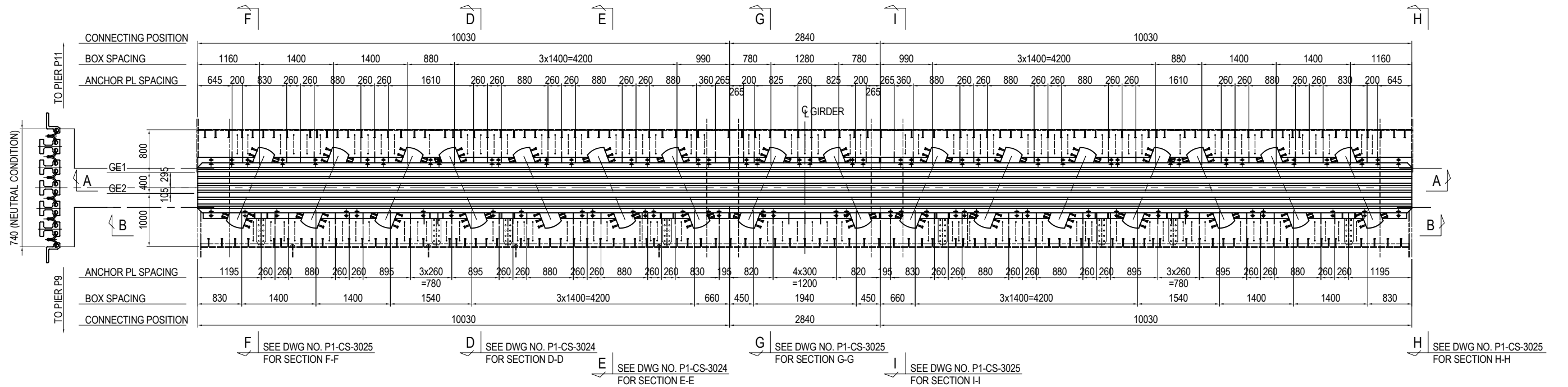
NOTES:
1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL..

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF BEARING FOR HORIZONTAL FORCE (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3021

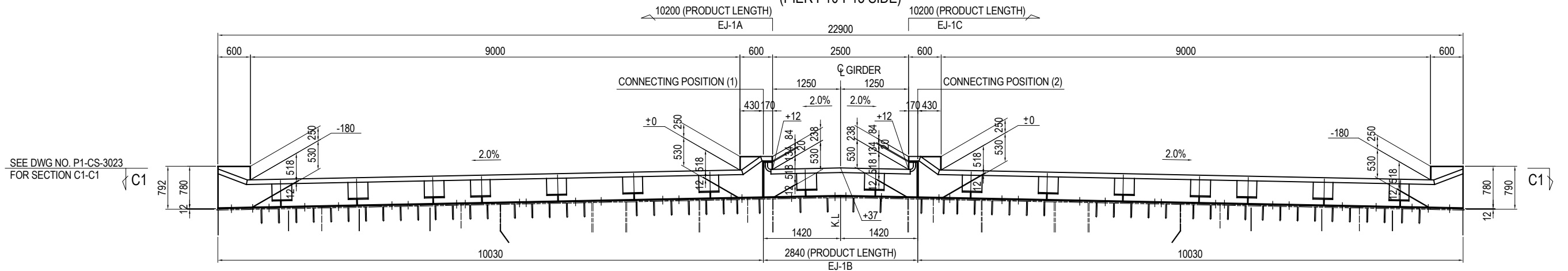
EXPANSION JOINT PIER P10 (1)

S=1:80

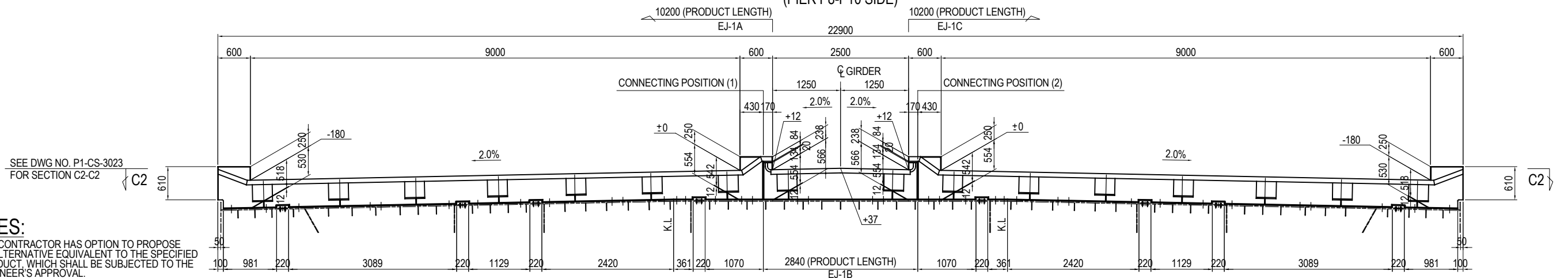
EJ-1 ASSEMBLY DRAWING (1/2)



SECTION A-A (PIER P10-P13 SIDE)



SECTION B-B (PIER P8-P10 SIDE)



NOTES:

1- THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

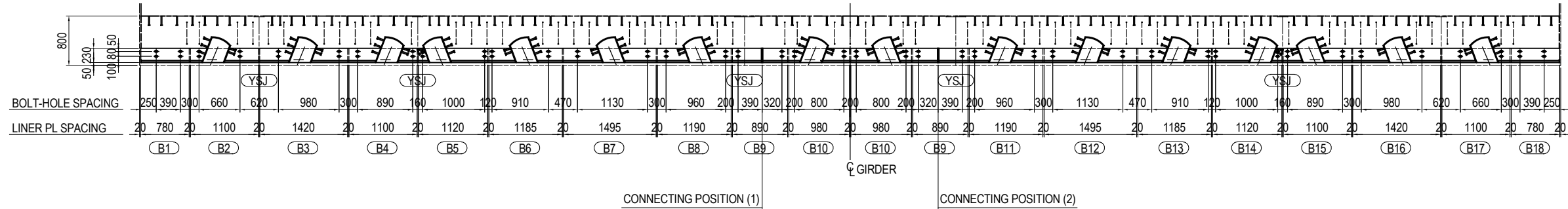
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T.TOMODA	SIGNATURE	DATE	DRAWING TITLE EXPANSION JOINT PIER P10 (1)	PACKAGE 1 DWG No. P1-CS-3022
				PREPARED BY				
				CHECKED BY	T. HAYAKAWA			
				APPROVED BY	Y. SANO			

EXPANSION JOINT PIER P10 (2)

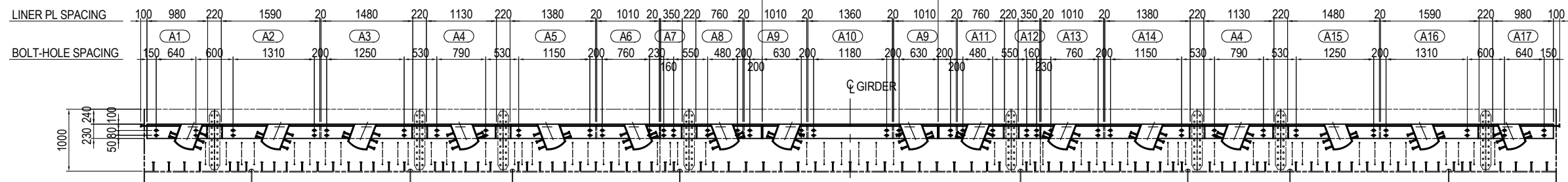
S=1:80

EJ-1 ASSEMBLY DRAWING (2/2)

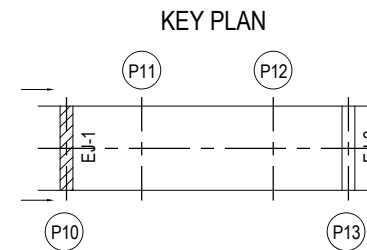
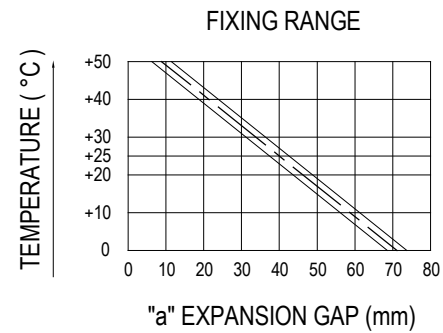
SECTION C1-C1
(PIER P10-P13 SIDE)



SECTION C2-C2
(PIER P8-P10 SIDE)



DESIGN CRITERIA	
LOAD (WHEEL LOAD)	72.5 kN
THERMAL RANGE	0°C~+50°C
CONTINUOUS THERMAL DISPLACEMENT	374 mm
CONTINUOUS AMOUNT OF RESERVE	75 mm
CONTINUOUS DISPLACEMENT (TOTAL)	449 mm
SEISMIC DISPLACEMENT	276 mm



NOTES:

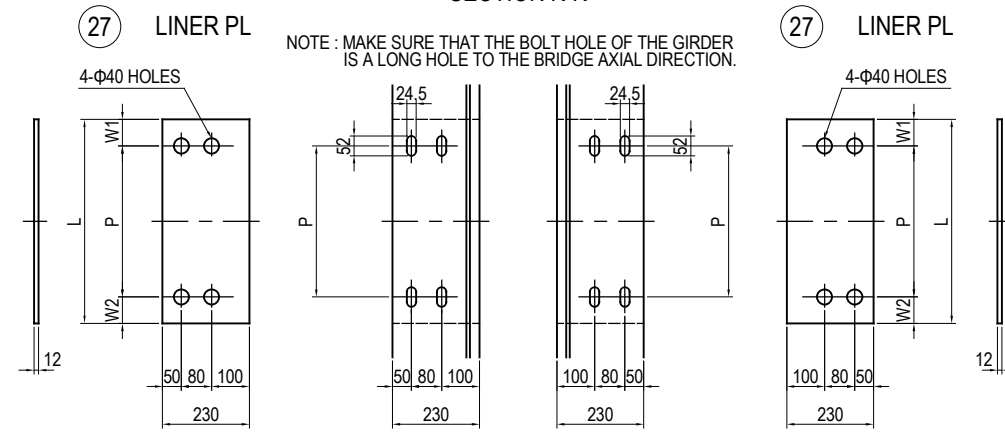
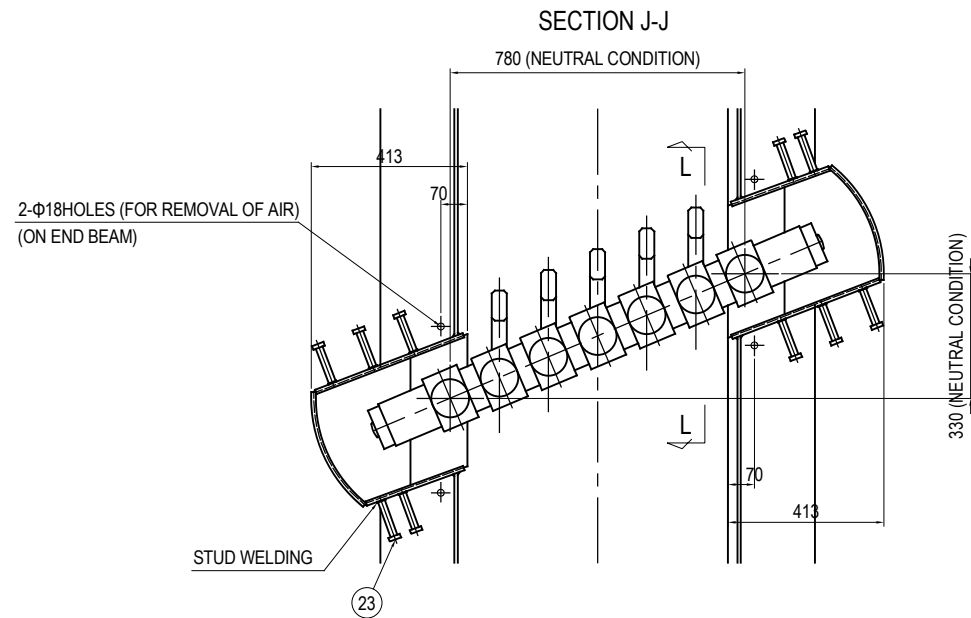
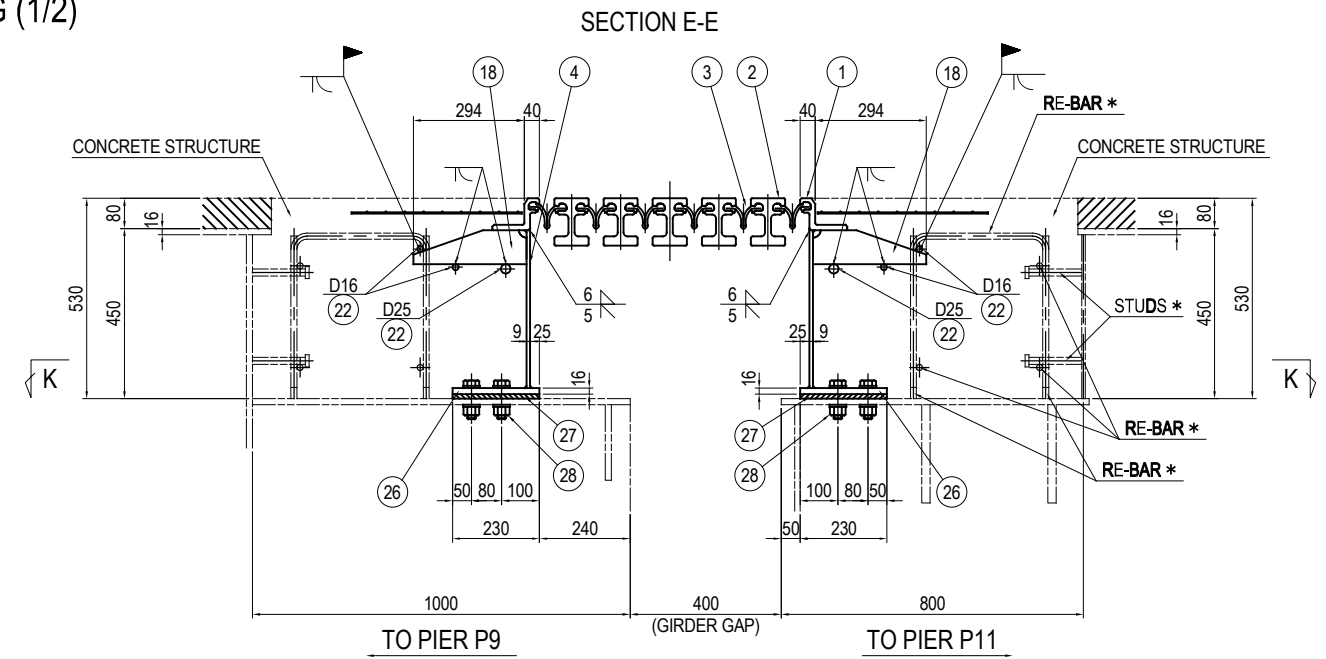
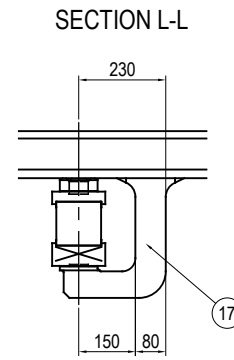
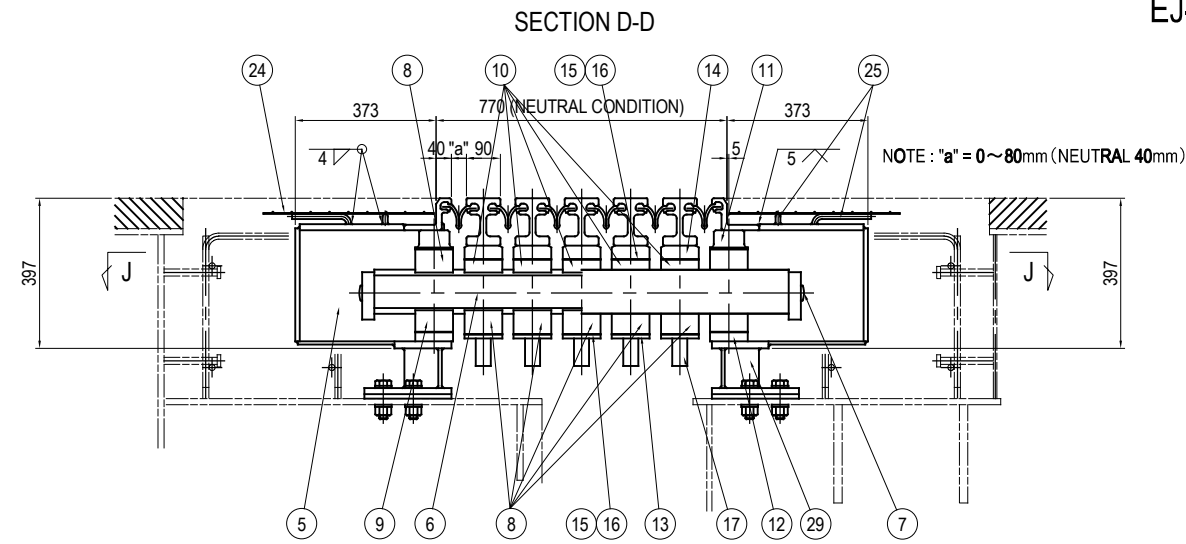
- 1 - THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "A"=40mm(AT 25) PER CELL.
- 2 - PAINTING : CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm) AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- 3 - FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- 4 - START INSTALLATION FROM EJ-1B.
- 5 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			EXPANSION JOINT PIER P10 (2)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-3023

EXPANSION JOINT PIER P10 (3)

S=1:20

EJ-1 DETAIL DRAWING (1/2)



NO.	THE NAME OF AN ARTICLE	MATERIAL
1	END BEAM	S355J2+AR
2	MIDDLE BEAM	S355J2+N
3	SEAL RUBBER	CR
4	WEB	SM490A
5	BOX	SM490A
6	SUPPORTING BEAM	SM490A
7	BUSH	POLYETHYLENE
8	SPRING	NR
9	EB BEARING	NR
10	MB BEARING	NR
11	SPRING-FACE A	SM490A
12	BEARING-FACE A	SM490A
13	SPRING-FACE B	SM490A
14	BEARING-FACE B	SM490A
15	SUS DISK	SUS316L
16	SLIPPING DISK	METALLOPLAST
17	PROTECTIVE PL	SM490A
18	ANCHOR	SM490A
19	COVER	SM490A
20	PL	SM490A
21	END PL	SM490A
22	REINFORCING BAR	SD345
23	STUD	JIS B1198
24	WELDED WIRE FABRIC	SUS304
25	WIRE RACK	SR235
26	BOTTOM FLANGE	SM490A
27	LINER	SS400
28	HTB	F10T
29	SUPPORT	SM490A
30	CONNECTION	SM490A

	L	P	W1	W2	NOS.
A1	980	640	150	190	1
A2	1590	1310	190	90	1
A3	1480	1250	90	140	1
A4	1130	790	170	170	2
A5	1380	1150	140	90	1
A6	1010	760	90	160	1
A7	350	160	50	140	1
A8	760	480	190	90	1
A9	1010	830	90	90	2
A10	1360	1180	90	90	1
A11	760	480	90	190	1
A12	350	160	140	50	1
A13	1010	760	160	90	1
A14	1380	1150	90	140	1
A15	1480	1250	140	90	1
A16	1590	1310	90	190	1
A17	980	640	190	150	1

	L	P	W1	W2	NOS.
B1	780	390	250	140	1
B2	1100	660	140	300	1
B3	1420	980	300	140	1
B4	1100	890	140	70	1
B5	1120	1000	70	50	1
B6	1185	910	50	225	1
B7	1495	1130	225	140	1
B8	1190	960	140	90	1
B9	890	710	90	90	2
B10	980	800	90	90	2
B11	1190	960	90	140	1
B12	1495	1130	140	225	1
B13	1185	910	225	50	1
B14	1120	1000	50	70	1
B15	1100	890	70	140	1
B16	1420	980	140	300	1
B17	1100	660	300	140	1
B18	780	390	140	250	1

NOTES:

- THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "a"=40mm(AT 25) PER CELL.
- PAINTING: CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm) AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- ②② SITE WELDING IS IMPLEMENTED PARTIALLY ON THE RE-BAR.
- *: BE SURE TO MAKE PREPARATION FOR RE-BAR AND STUDS AT TIME OF SUPERSTRUCTURE WORK.
- SEPARATELY CONSIDER CONNECTING WITH THE RE-BAR.
- THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

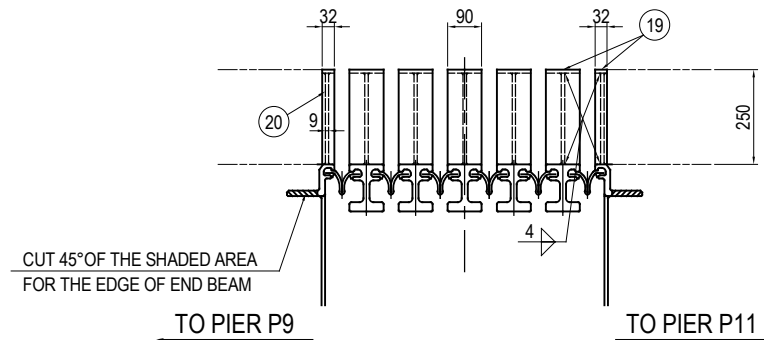
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA SIGNATURE T. HAYAKAWA DATE Y. SANO	DRAWING TITLE EXPANSION JOINT PIER P10 (3)	PACKAGE 1 DWG No. P1-CS-3024
---	--	---	--	--	---	---------------------------------------

EXPANSION JOINT PIER P10 (4)

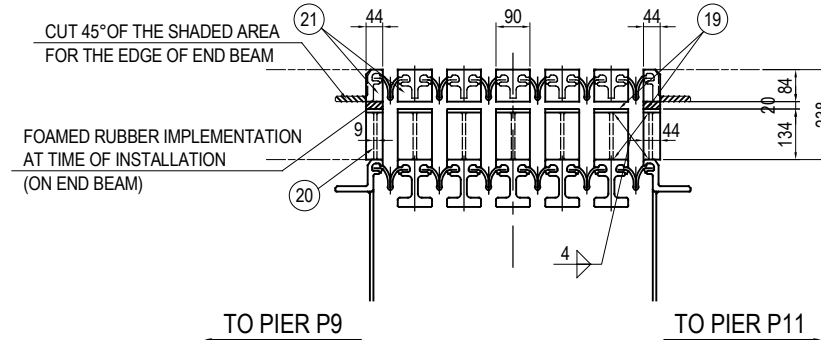
S=1:20

EJ-1 DETAIL DRAWING (2/2)

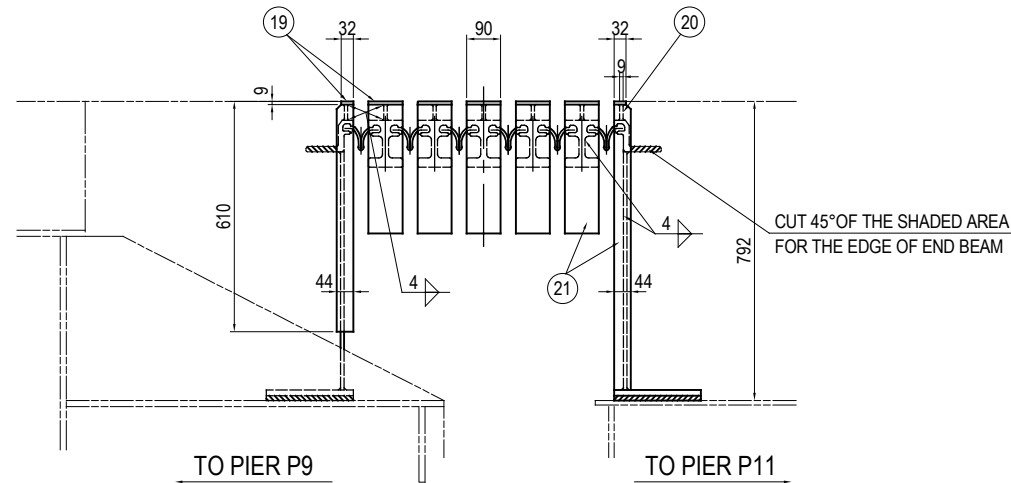
SECTION F-F
OVERALL SURFACE OF THE WHEEL GUARD OF THE EDGE OF ROADWAY



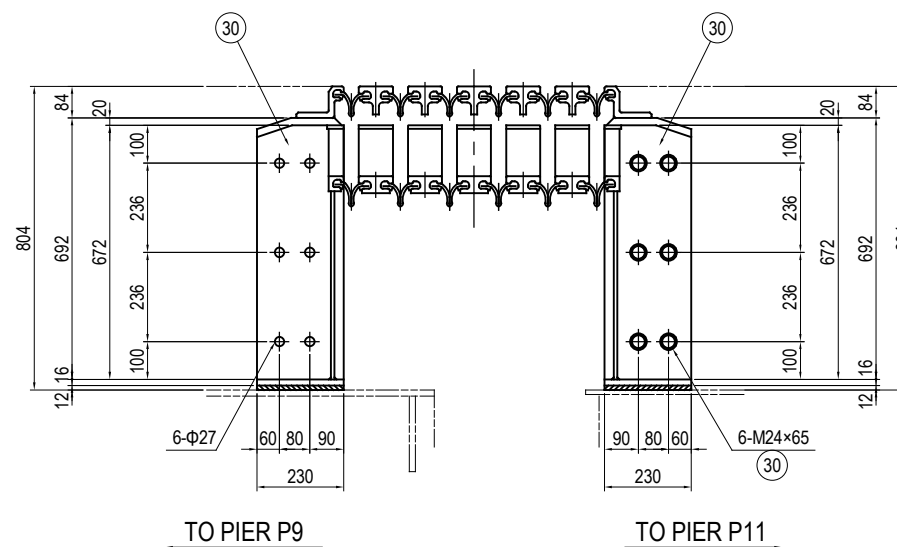
SECTION G-G
BACK SURFACE OF THE WHEEL GUARD OF CENTRAL MEDIAN



SECTION H-H
BACK SURFACE OF THE WHEEL GUARD OF THE EDGE OF ROADWAY



SECTION I-I
CONNECTION



NO.	THE NAME OF AN ARTICLE	MATERIAL
1	END BEAM	S355J2+AR
2	MIDDLE BEAM	S355J2+N
3	SEAL RUBBER	CR
4	WEB	SM490A
5	BOX	SM490A
6	SUPPORTING BEAM	SM490A
7	BUSH	POLYETHYLENE
8	SPRING	NR
9	EB BEARING	NR
10	MB BEARING	NR
11	SPRING-FACE A	SM490A
12	BEARING-FACE A	SM490A
13	SPRING-FACE B	SM490A
14	BEARING-FACE B	SM490A
15	SUS DISK	SUS316L
16	SLIPPING DISK	METALLOPLAST
17	PROTECTIVE PL	SM490A
18	ANCHOR	SM490A
19	COVER	SM490A
20	PL	SM490A
21	END PL	SM490A
22	REINFORCING BAR	SD345
23	STUD	JIS B1198
24	WELDED WIRE FABRIC	SUS304
25	WIRE RACK	SR235
26	BOTTOM FLANGE	SM490A
27	LINER	SS400
28	HTB	F10T
29	SUPPORT	SM490A
30	CONNECTION	SM490A

NOTES:

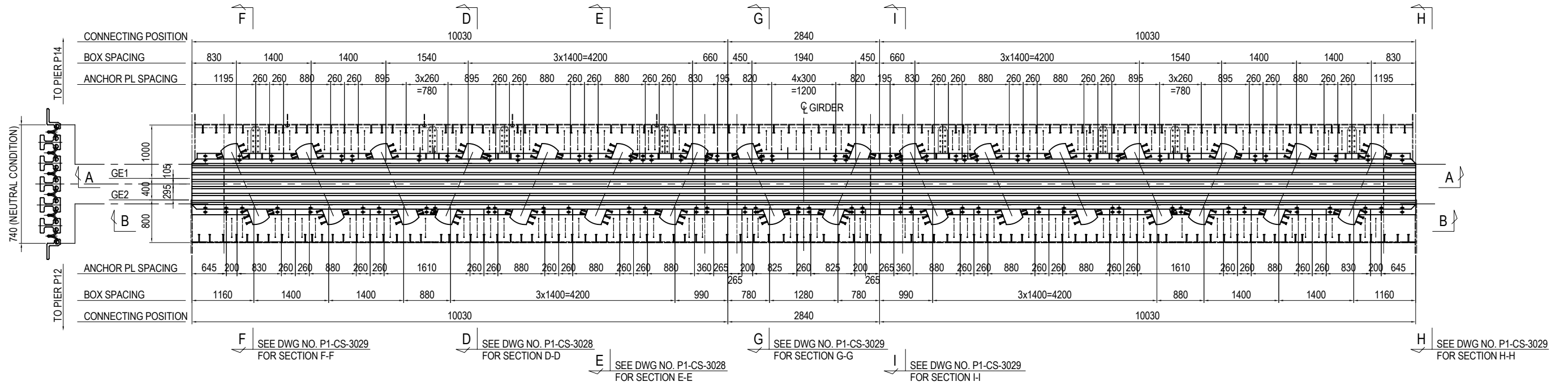
- 1 - THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "A"=40mm(AT 25) PER CELL.
- 2 - PAINTING : CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm) AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- 3 - FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- 4 - (2) SITE WELDING IS IMPLEMENTED PARTIALLY ON THE RE-BAR.
- 5 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE EXPANSION JOINT PIER P10 (4)	PACKAGE
				PREPARED BY T. TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-3025

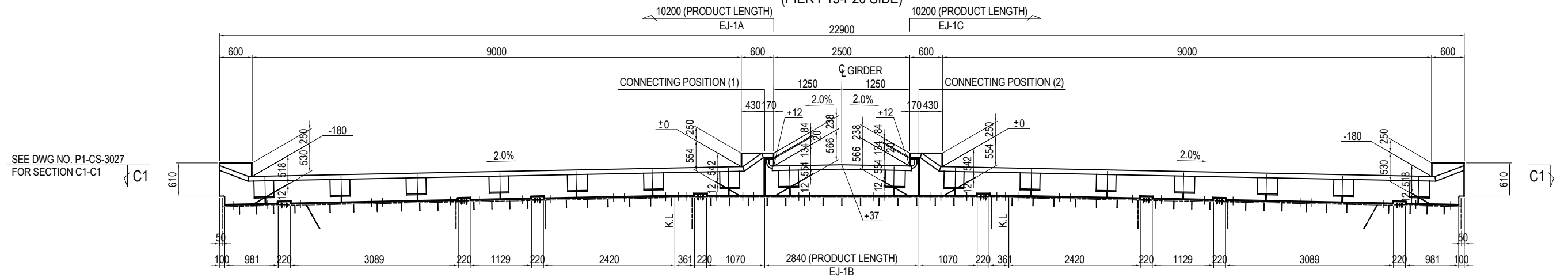
EXPANSION JOINT PIER P13 (1)

S=1:80

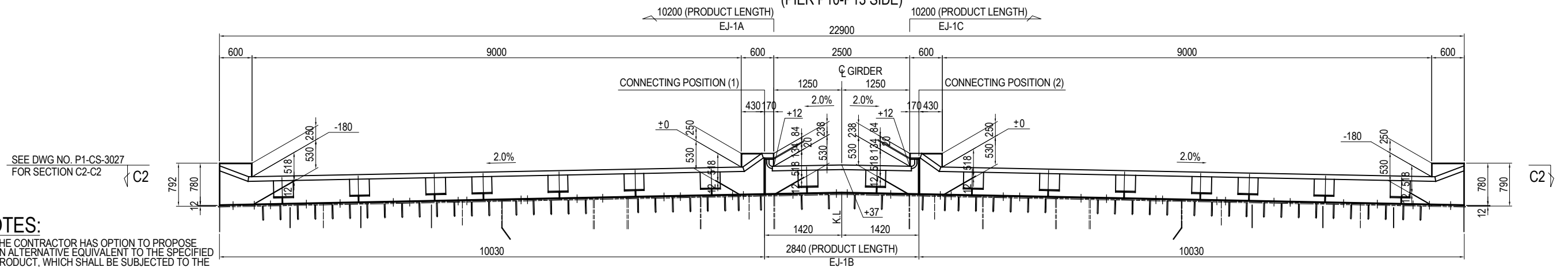
EJ-2 ASSEMBLY DRAWING (1/2)



SECTION A-A (PIER P13-P20 SIDE)



SECTION B-B (PIER P10-P13 SIDE)



NOTES:

1 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

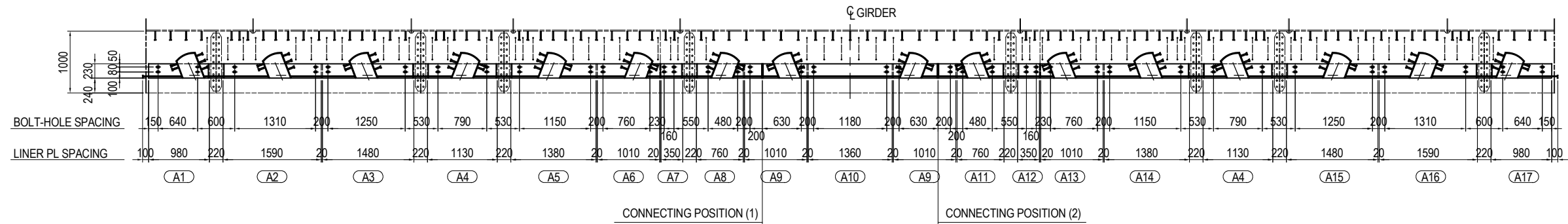
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE EXPANSION JOINT PIER P13 (1)	PACKAGE 1 DWG No. P1-CS-3026
				PREPARED BY T. TOMODA				
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

EXPANSION JOINT PIER P13 (2)

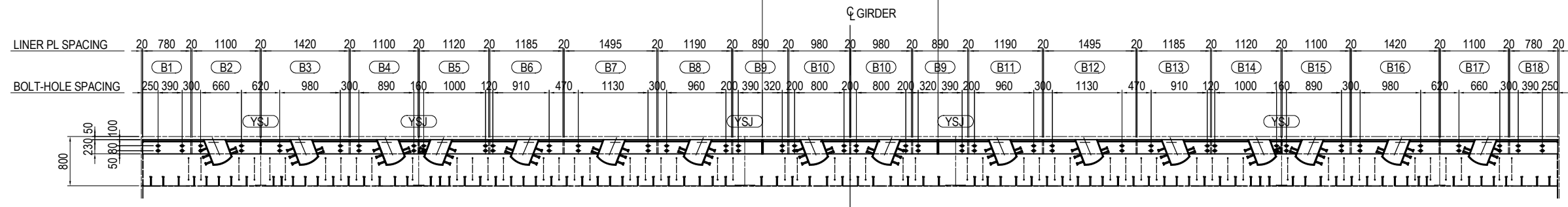
S=1:80

EJ-2 ASSEMBLY DRAWING (2/2)

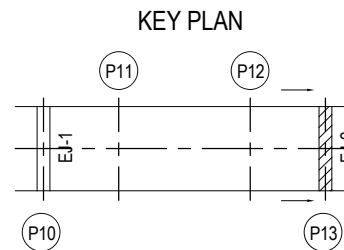
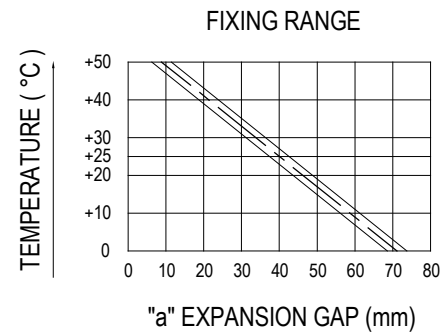
SECTION C1-C1
(PIER P13-P20 SIDE)



SECTION C2-C2
(PIER P10-P13 SIDE)



DESIGN CRITERIA	
LOAD (WHEEL LOAD)	72.5 kN
THERMAL RANGE	0°C ~ +50°C
CONTINUOUS THERMAL DISPLACEMENT	374 mm
CONTINUOUS AMOUNT OF RESERVE	75 mm
CONTINUOUS DISPLACEMENT (TOTAL)	449 mm
SEISMIC DISPLACEMENT	276 mm



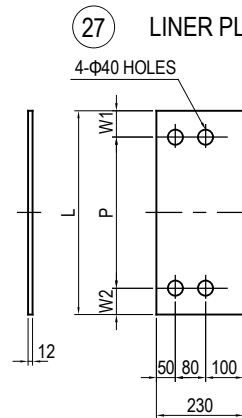
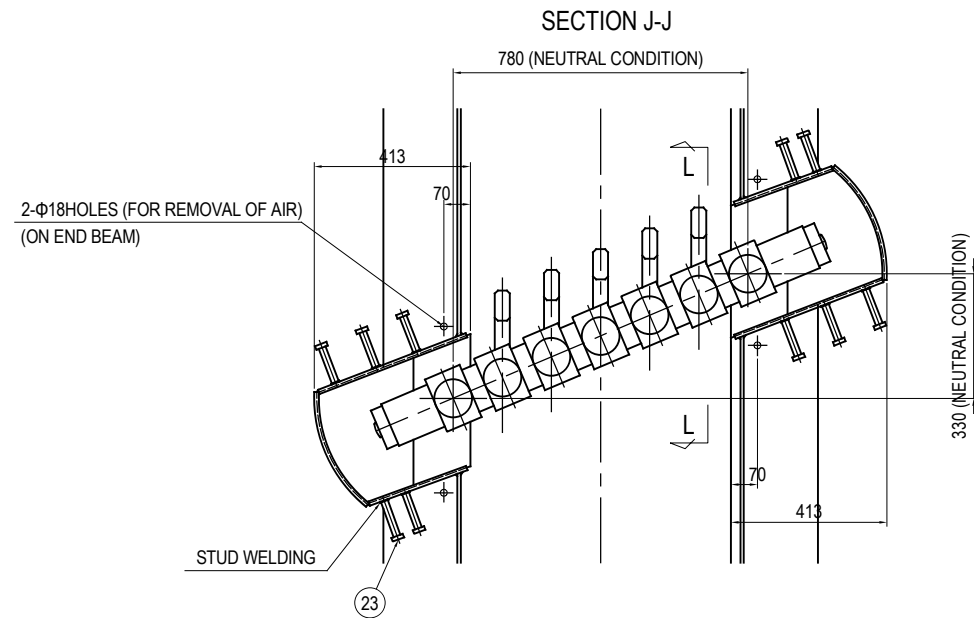
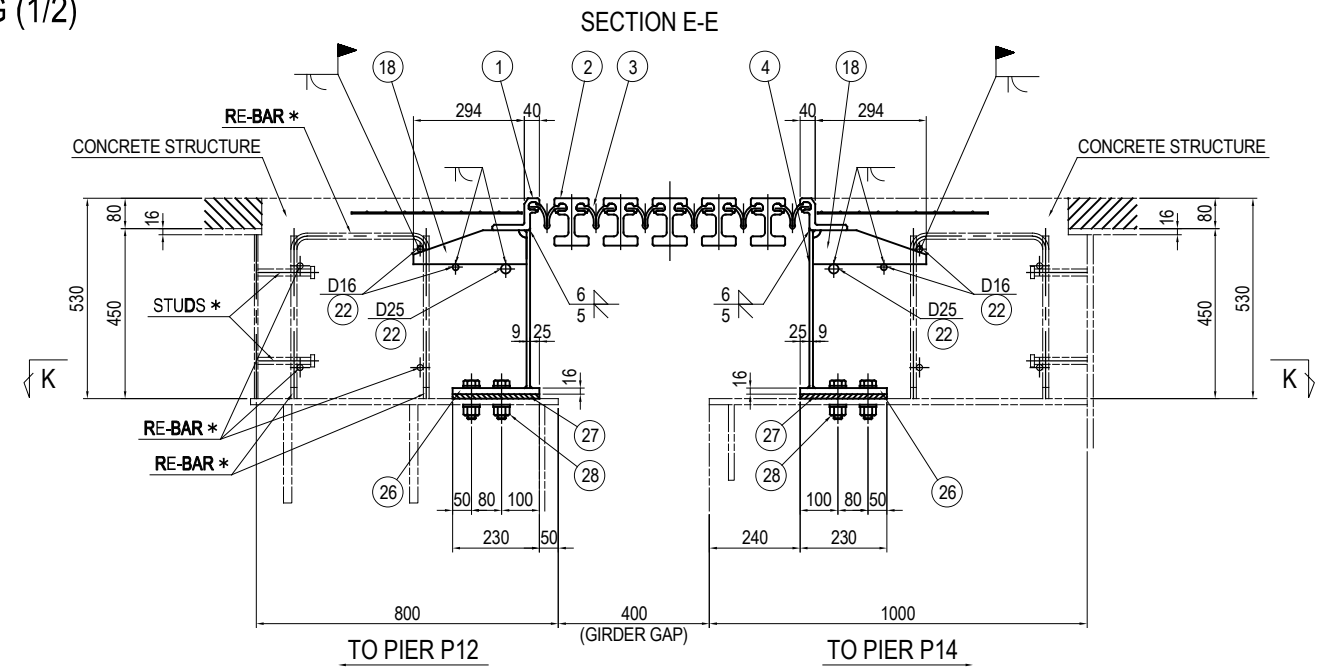
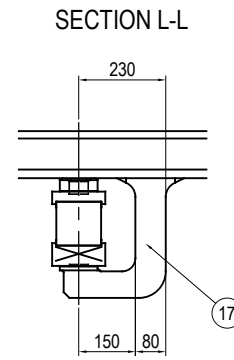
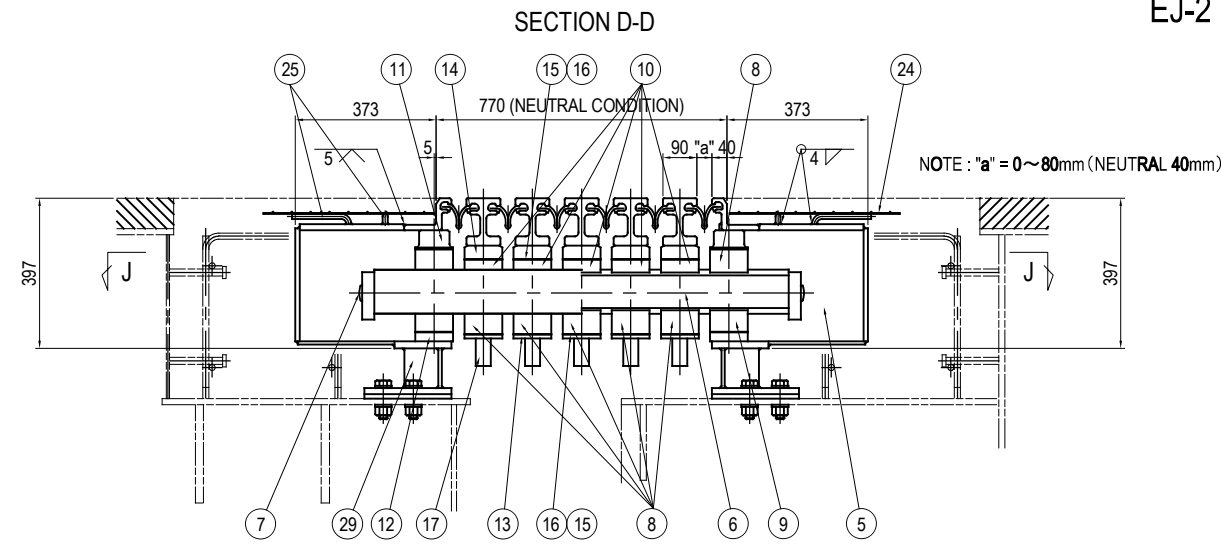
NOTES:

- 1 - THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "A"=40mm(AT 25) PER CELL.
- 2 - PAINTING : CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm), AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- 3 - FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- 4 - START INSTALLATION FROM EJ-1B.
- 5 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

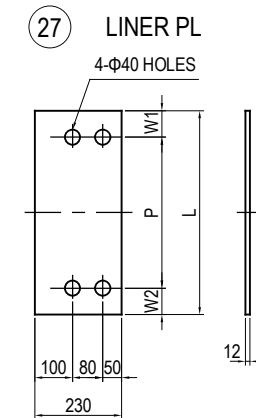
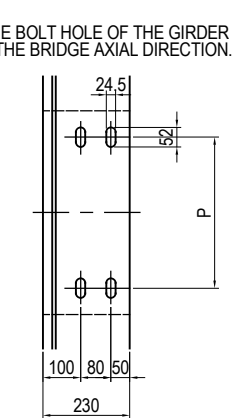
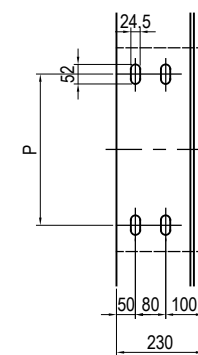
EXPANSION JOINT PIER P13 (3)

S=1:20

EJ-2 DETAIL DRAWING (1/2)



NOTE: MAKE SURE THAT THE BOLT HOLE OF THE GIRDER IS A LONG HOLE TO THE BRIDGE AXIAL DIRECTION.



NO.	THE NAME OF AN ARTICLE	MATERIAL
1	END BEAM	S355J2+AR
2	MIDDLE BEAM	S355J2+N
3	SEAL RUBBER	CR
4	WEB	SM490A
5	BOX	SM490A
6	SUPPORTING BEAM	SM490A
7	BUSH	POLYETHYLENE
8	SPRING	NR
9	EB BEARING	NR
10	MB BEARING	NR
11	SPRING-FACE A	SM490A
12	BEARING-FACE A	SM490A
13	SPRING-FACE B	SM490A
14	BEARING-FACE B	SM490A
15	SUS DISK	SUS316L
16	SLIPPING DISK	METALLOPLAST
17	PROTECTIVE PL	SM490A
18	ANCHOR	SM490A
19	COVER	SM490A
20	PL	SM490A
21	END PL	SM490A
22	REINFORCING BAR	SD345
23	STUD	JIS B1198
24	WELDED WIRE FABRIC	SUS304
25	WIRE RACK	SR235
26	BOTTOM FLANGE	SM490A
27	LINER	SS400
28	HTB	F10T
29	SUPPORT	SM490A
30	CONNECTION	SM490A

	L	P	W1	W2	NOS.
A1	980	640	150	190	1
A2	1590	1310	190	90	1
A3	1480	1250	90	140	1
A4	1130	790	170	170	2
A5	1380	1150	140	90	1
A6	1010	760	90	160	1
A7	350	160	50	140	1
A8	760	480	190	90	1
A9	1010	830	90	90	2
A10	1360	1180	90	90	1
A11	760	480	90	190	1
A12	350	160	140	50	1
A13	1010	760	160	90	1
A14	1380	1150	90	140	1
A15	1480	1250	140	90	1
A16	1590	1310	90	190	1
A17	980	640	190	150	1

	L	P	W1	W2	NOS.
B1	780	390	250	140	1
B2	1100	660	140	300	1
B3	1420	980	300	140	1
B4	1100	890	140	70	1
B5	1120	1000	70	50	1
B6	1185	910	50	225	1
B7	1495	1130	225	140	1
B8	1190	960	140	90	1
B9	890	710	90	90	2
B10	980	800	90	90	2
B11	1190	960	90	140	1
B12	1495	1130	140	225	1
B13	1185	910	225	50	1
B14	1120	1000	50	70	1
B15	1100	890	70	140	1
B16	1420	980	140	300	1
B17	1100	660	300	140	1
B18	780	390	140	250	1

NOTES:

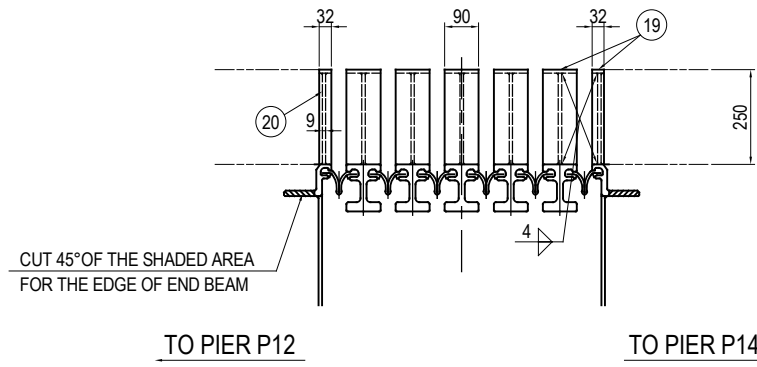
- THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "a"=40mm(AT 25) PER CELL.
- PAINTING: CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm) AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- ②② SITE WELDING IS IMPLEMENTED PARTIALLY ON THE RE-BAR.
- *: BE SURE TO MAKE PREPARATION FOR RE-BAR AND STUDS AT TIME OF SUPERSTRUCTURE WORK.
- SEPARATELY CONSIDER CONNECTING WITH THE RE-BAR.
- THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

EXPANSION JOINT PIER P13 (4)

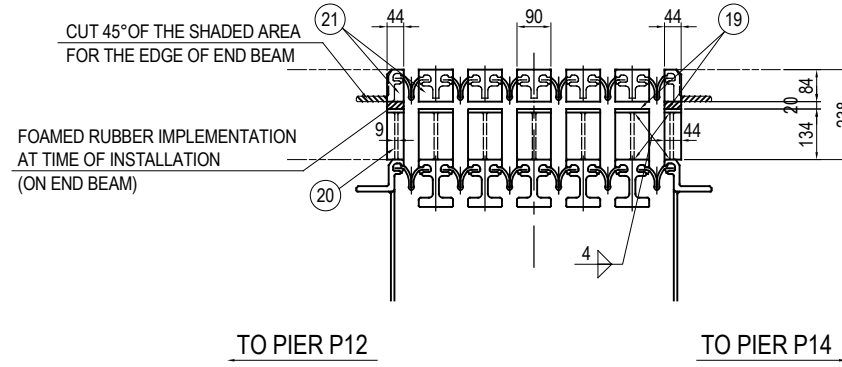
S=1:20

EJ-2 DETAIL DRAWING (2/2)

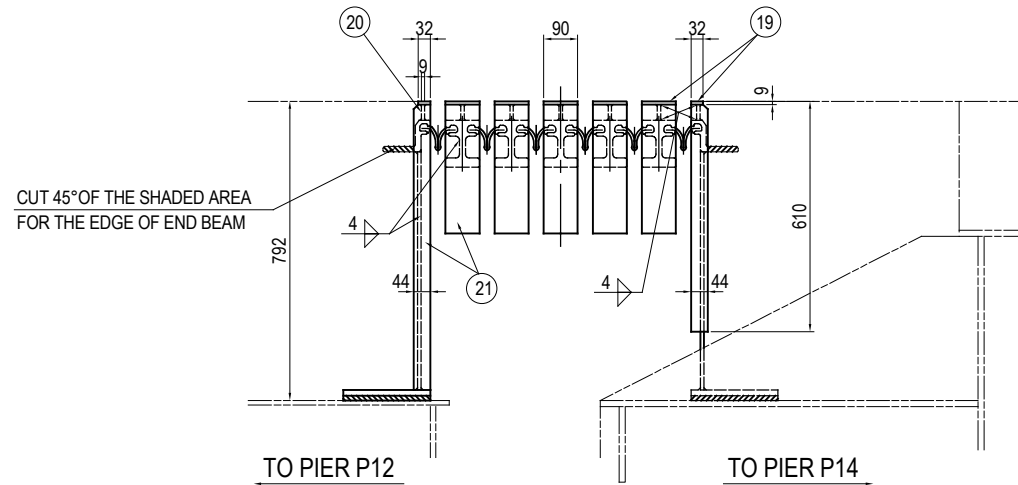
SECTION F-F
OVERALL SURFACE OF THE WHEEL GUARD OF THE EDGE OF ROADWAY



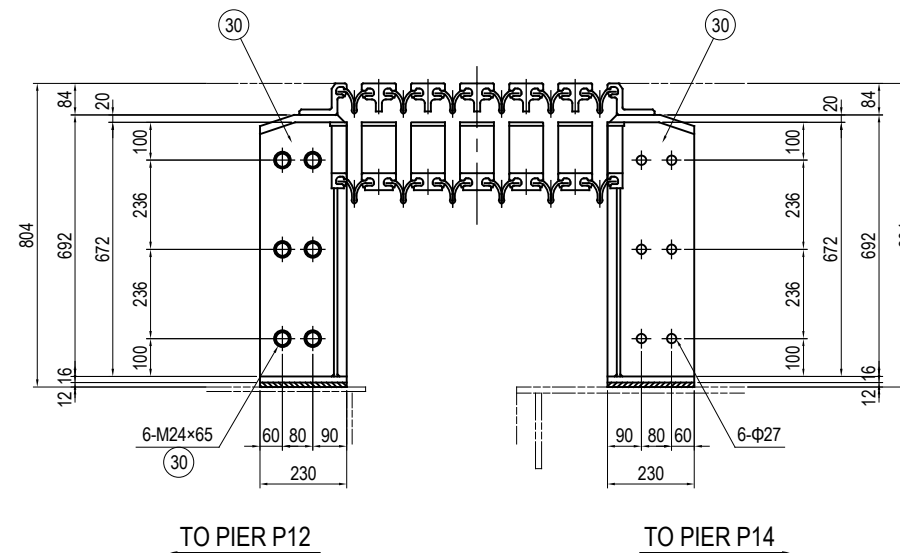
SECTION G-G
BACK SURFACE OF THE WHEEL GUARD OF CENTRAL MEDIAN



SECTION H-H
BACK SURFACE OF THE WHEEL GUARD OF THE EDGE OF ROADWAY



SECTION I-I
CONNECTION



NO.	THE NAME OF AN ARTICLE	MATERIAL
1	END BEAM	S355J2+AR
2	MIDDLE BEAM	S355J2+N
3	SEAL RUBBER	CR
4	WEB	SM490A
5	BOX	SM490A
6	SUPPORTING BEAM	SM490A
7	BUSH	POLYETHYLENE
8	SPRING	NR
9	EB BEARING	NR
10	MB BEARING	NR
11	SPRING-FACE A	SM490A
12	BEARING-FACE A	SM490A
13	SPRING-FACE B	SM490A
14	BEARING-FACE B	SM490A
15	SUS DISK	SUS316L
16	SLIPPING DISK	METALLOPLAST
17	PROTECTIVE PL	SM490A
18	ANCHOR	SM490A
19	COVER	SM490A
20	PL	SM490A
21	END PL	SM490A
22	REINFORCING BAR	SD345
23	STUD	JIS B1198
24	WELDED WIRE FABRIC	SUS304
25	WIRE RACK	SR235
26	BOTTOM FLANGE	SM490A
27	LINER	SS400
28	HTB	F10T
29	SUPPORT	SM490A
30	CONNECTION	SM490A

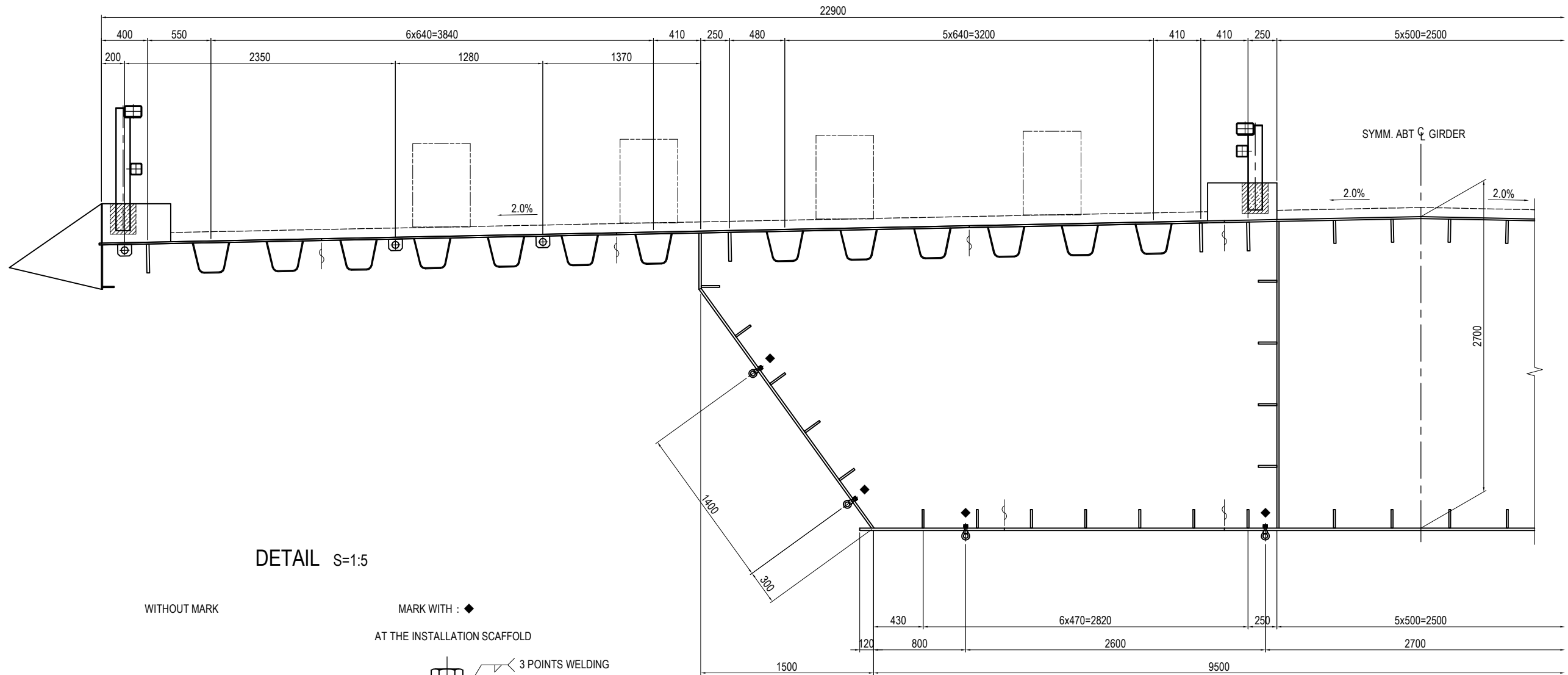
NOTES:

- 1 - THIS DRAWING SHOWS THE CONDITION OF EXPANSION GAP "A"=40mm(AT 25) PER CELL.
- 2 - PAINTING : CONCRETE BONDING SECTIONS PAINTED WITH ZINC-RICH PRIMER (15mm) AND FOR SECTIONS REMAINING MODIFIED EPOXY RESIN IS PAINTED TWICE (TOP COATING: BLACK).
- 3 - FOR WELDING POINTS WITHOUT INSTRUCTIONS, IMPLEMENT FILLET WELDING OF 6mm.
- 4 - (22) SITE WELDING IS IMPLEMENTED PARTIALLY ON THE RE-BAR.
- 5 - THE CONTRACTOR HAS OPTION TO PROPOSE AN ALTERNATIVE EQUIVALENT TO THE SPECIFIED PRODUCT, WHICH SHALL BE SUBJECTED TO THE ENGINEER'S APPROVAL.

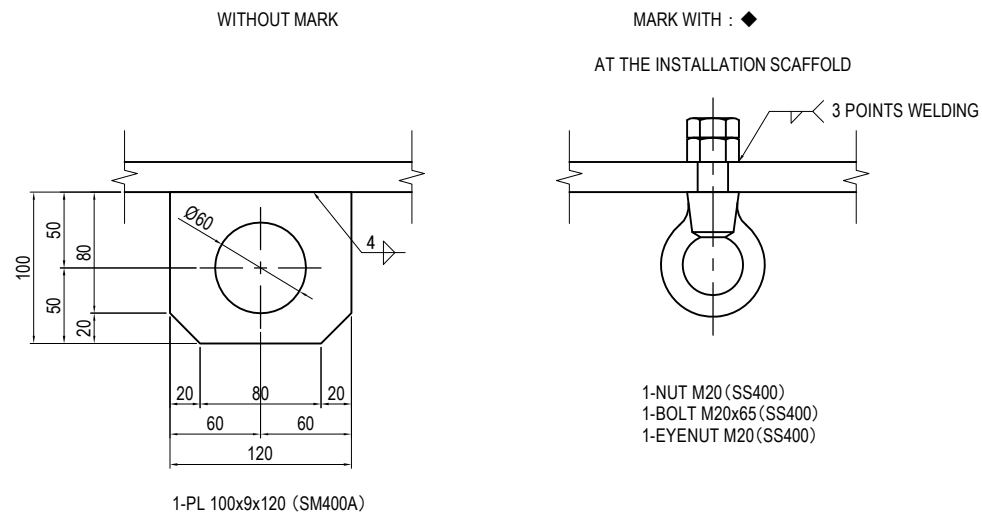
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE EXPANSION JOINT PIER P13 (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3029

HANGER S=1:40

TYPICAL SECTION



DETAIL S=1:5



NOTES:

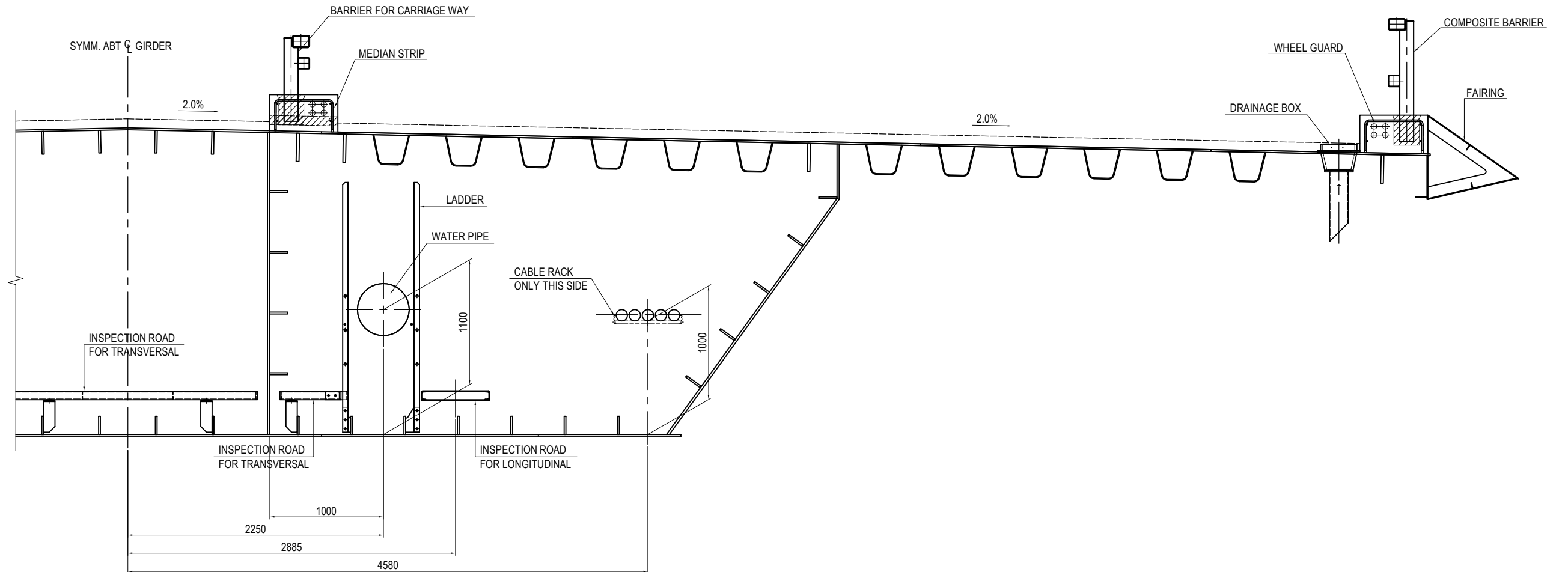
- 1 - INSTALLATION SPACE FOR UP TO 1.8 METERS ON LONGITUDINAL.
- 1 - BE SURE TO INFILL AN OPENING MARKS WITH ◆ WITH A BOLT AFTER ERECTION.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE HANGER	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3030

MAIN GIRDER ANCILLARY WORKS LAYOUT (1)

S=1:40

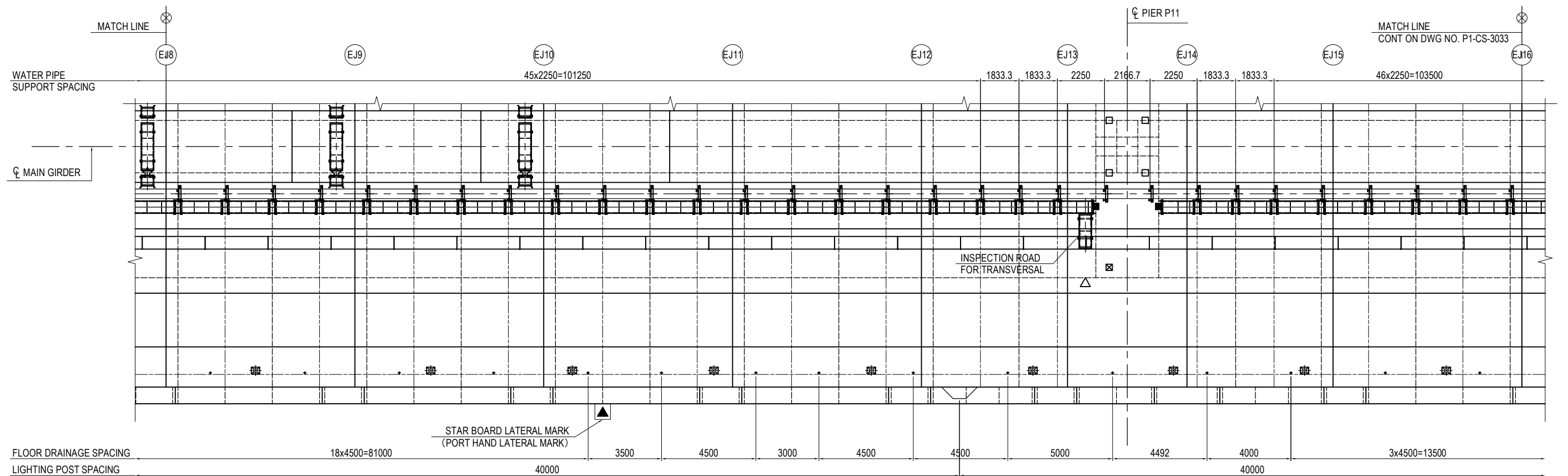
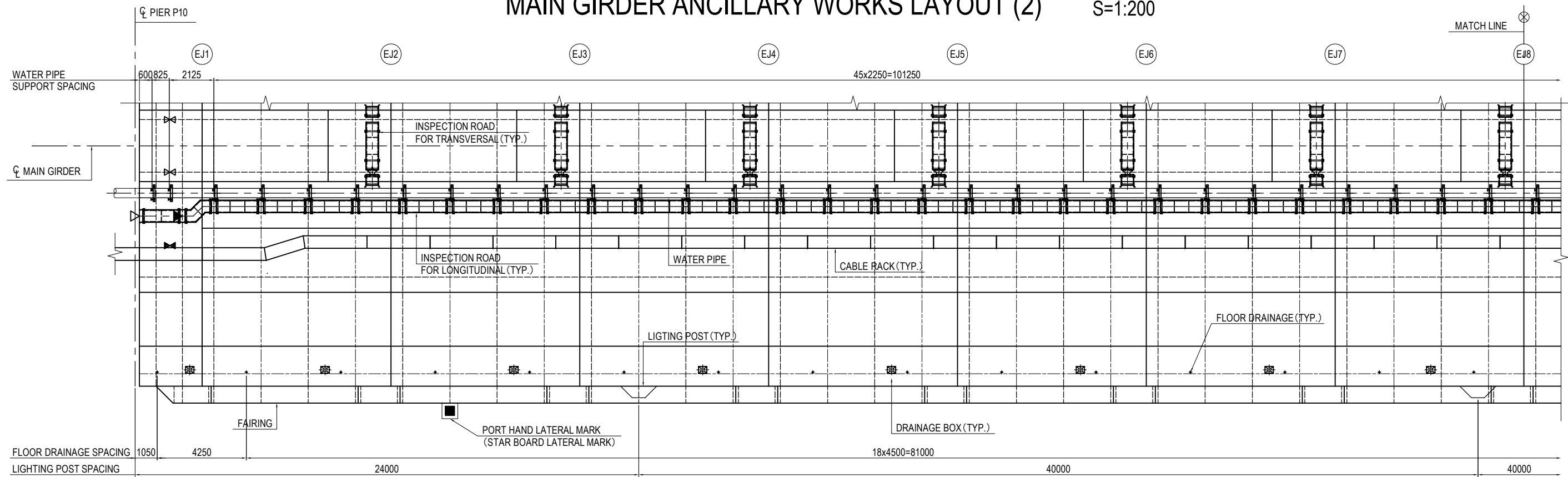
TYPICAL SECTION



PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			MAIN GIRDER ANCILLARY WORKS LAYOUT (1)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-3031

MAIN GIRDER ANCILLARY WORKS LAYOUT (2)

S=1:200



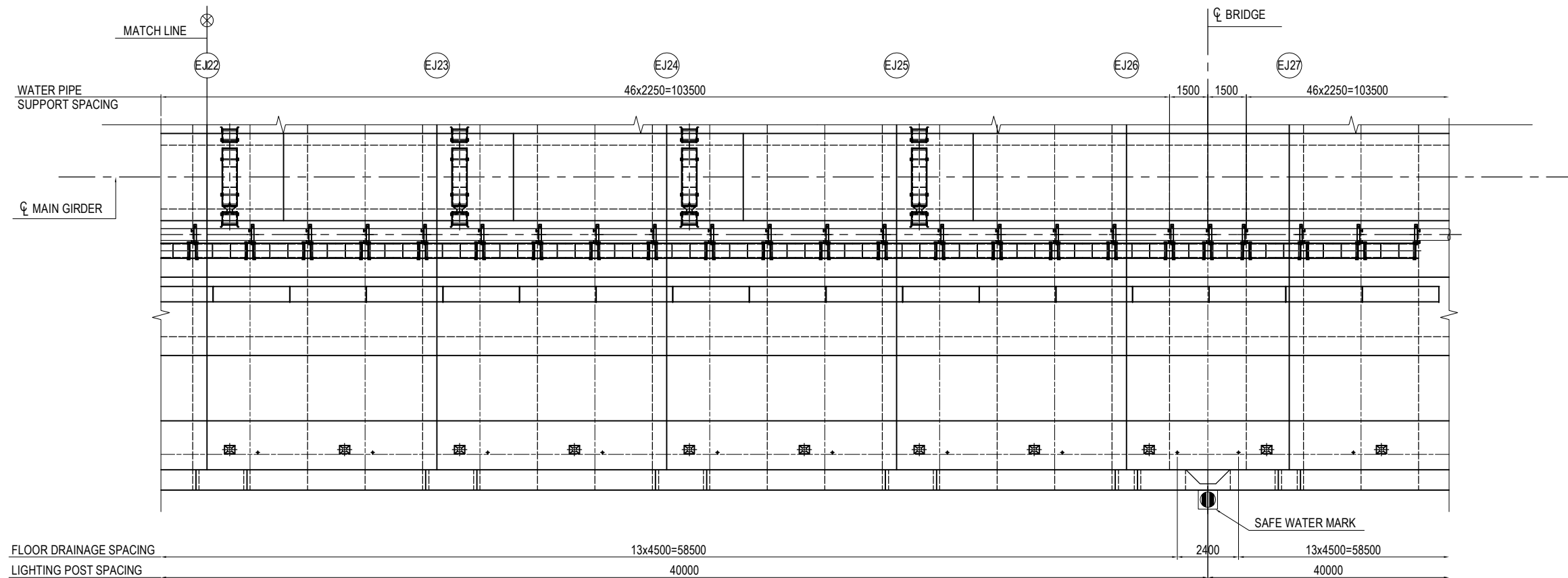
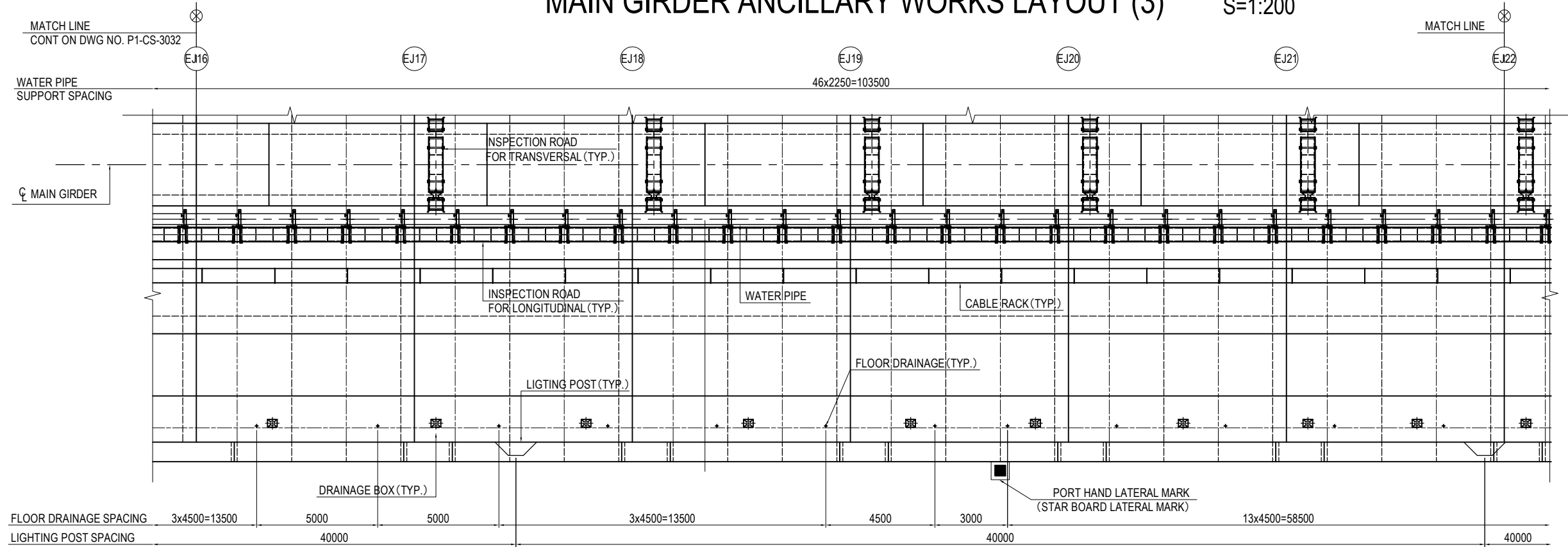
NOTES:

- 1 - FROM CL BRIDGE TO PIER P13 READ IN BRACKETS.
- 2 - THE LOCATION OF THE NAVIGATION LIGHTINGS WILL BE INSTRUCTED BY THE ENGINEER DURING CONSTRUCTION.
- 3 - AS FOR THE ERECTION JOINT AND THE NAVIGATION LIGHTINGS THAT INTERFERES WITH THE WIDENING PART, BE SURE TO MAKE ADJUSTMENTS ACCORDINGLY SO THAT LIGHTING INTERVALS DO NOT EXCEED 40m.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCILLARY WORKS LAYOUT (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3032

MAIN GIRDER ANCILLARY WORKS LAYOUT (3)

S=1:200



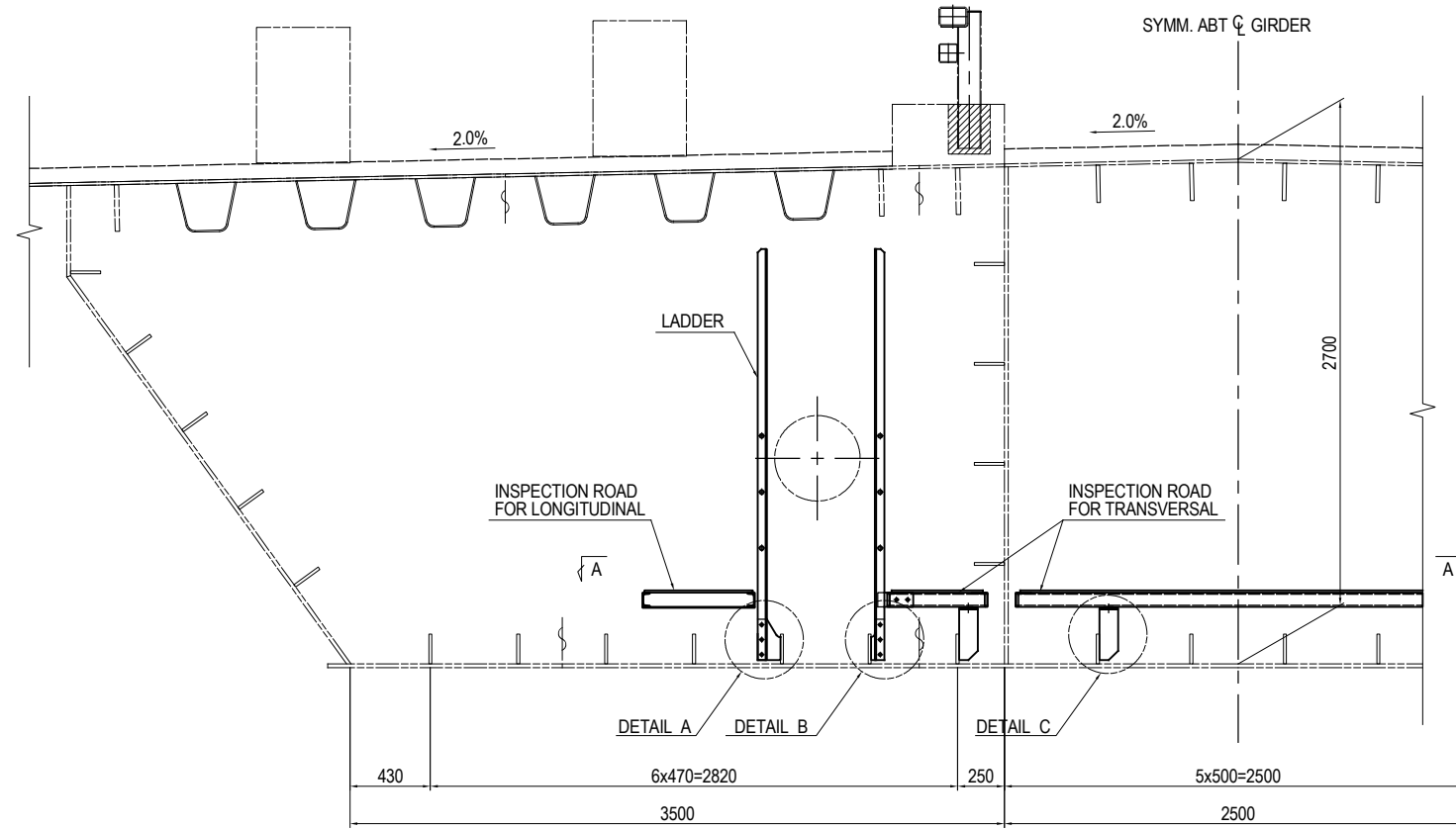
NOTES:

- 1 - FROM ⊕ BRIDGE TO PIER P13 READ IN BRACKETS.
- 2 - THE LOCATION OF THE NAVIGATION LIGHTINGS WILL BE INSTRUCTED BY THE ENGINEER DURING CONSTRUCTION.
- 3 - AS FOR THE ERECTION JOINT AND THE NAVIGATION LIGHTINGS THAT INTERFERES WITH THE WIDENING PART, BE SURE TO MAKE ADJUSTMENTS ACCORDINGLY SO THAT LIGHTING INTERVALS DO NOT EXCEED 40m.

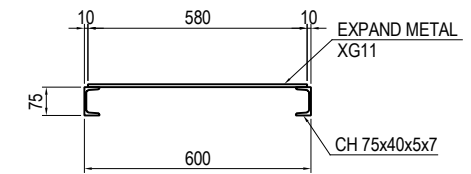
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MAIN GIRDER ANCILLARY WORKS LAYOUT (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3033

INSPECTION ROAD (1) S=1:40

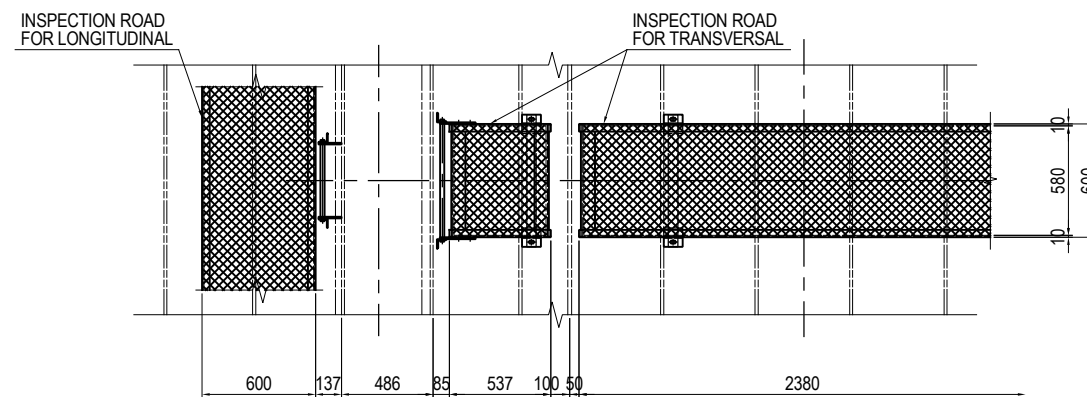
TYPICAL SECTION



TYPICAL SECTION DETAIL S=1:20



SECTION A-A



NOTES:

- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANISED COATING).

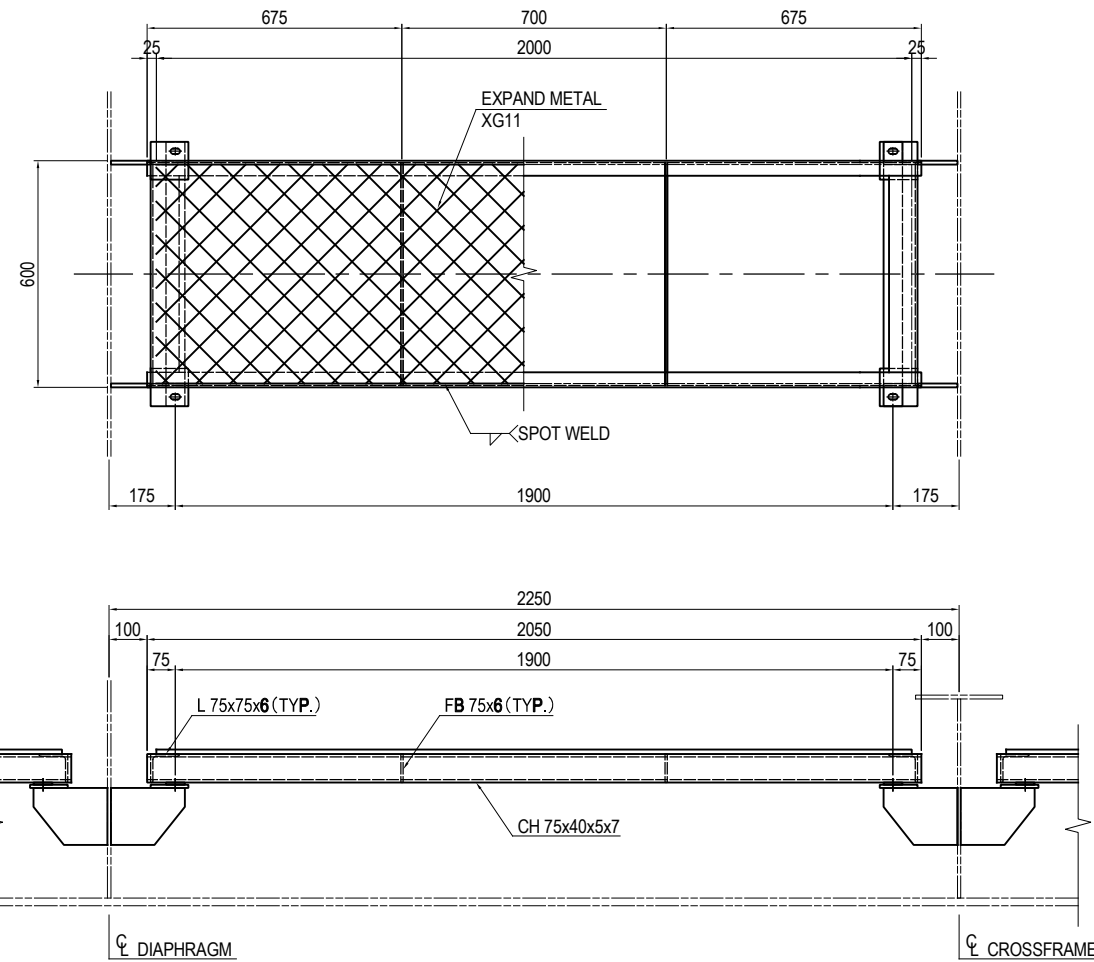
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE INSPECTION ROAD (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3034

INSPECTION ROAD (2)

S=1:20

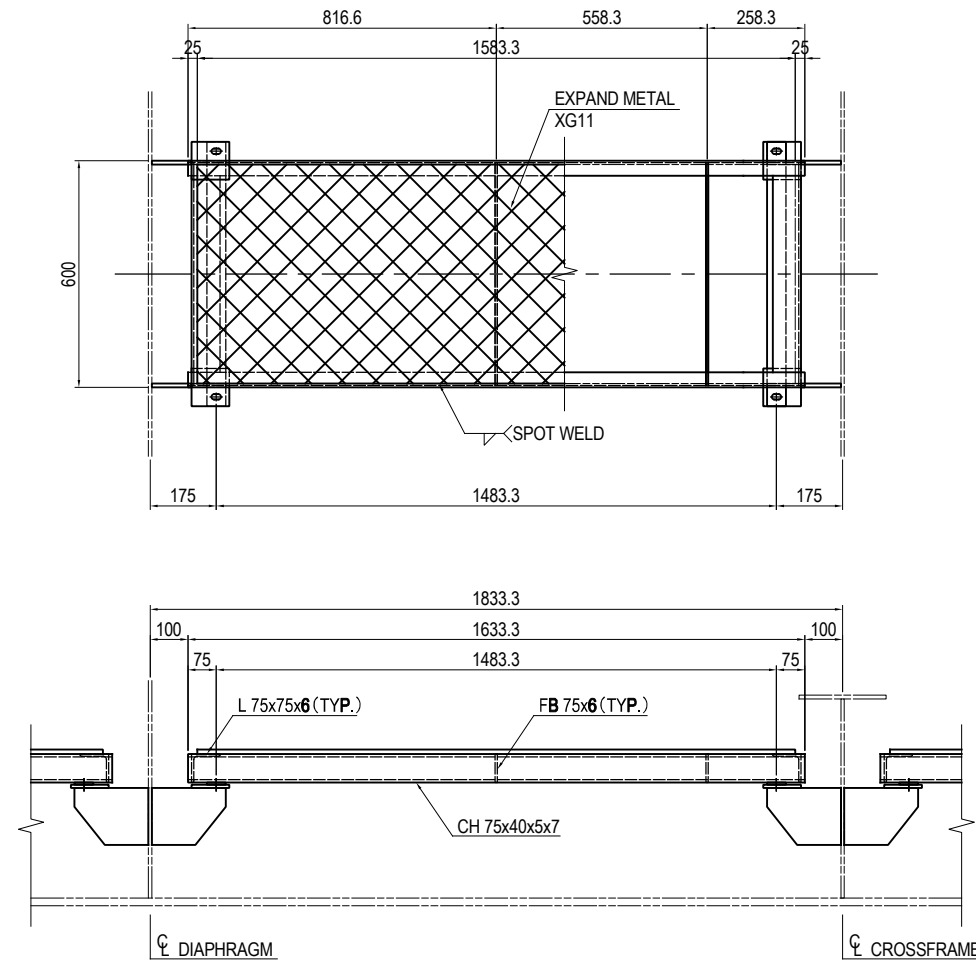
FOR LONGITUDINAL

TYPICAL DETAIL
(Q'ty = 360)



- 2 - [75x40x5x7x2050(SS400)
- 2 - L 75x75x6x590(SS400)
- 2 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 580x2000(SS400)
- 4 - PL 150x 9x 196(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

AROUND INTERMEDIATE BEARING LINE
(Q'ty = 16)



- 2 - [75x40x5x7x1633(SS400)
- 2 - L 75x75x6x590(SS400)
- 1 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 580x1583(SS400)
- 4 - PL 150x 9x 196(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

NOTES:

- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE INSPECTION ROAD (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3035

INSPECTION ROAD (3)

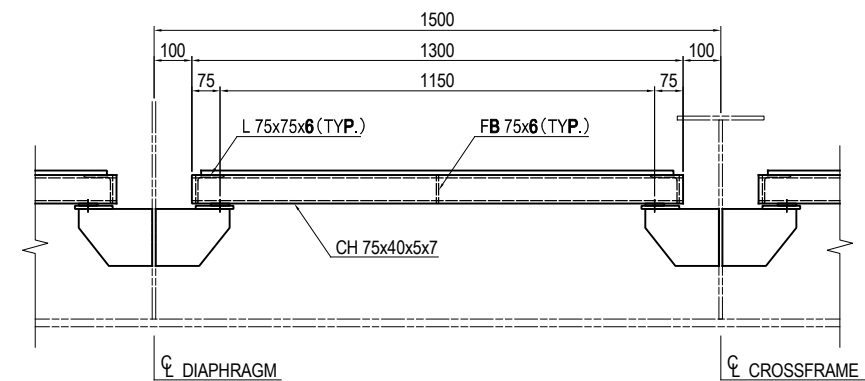
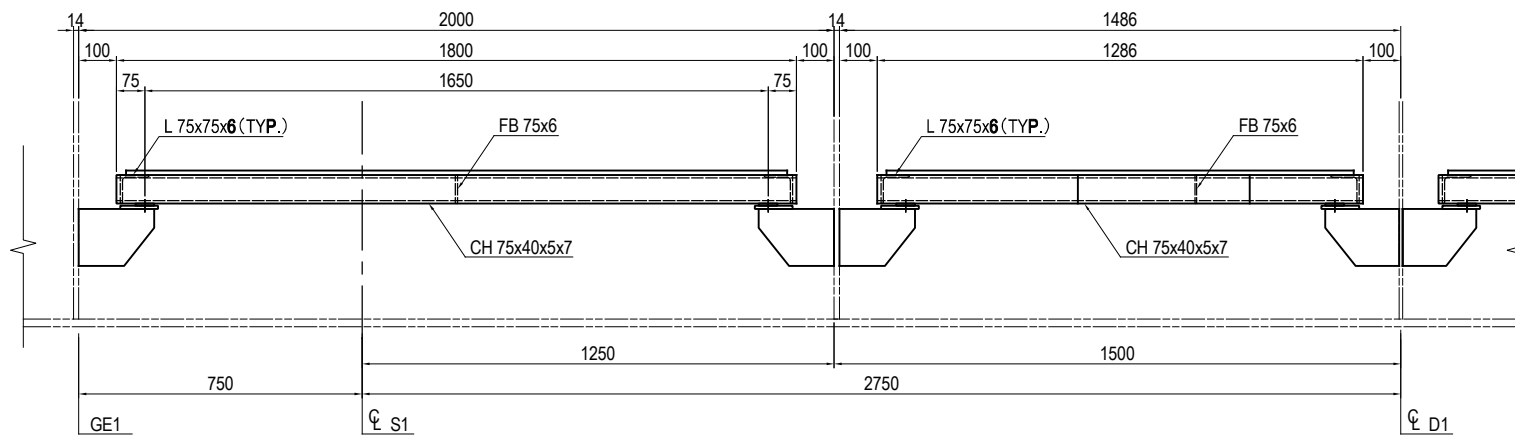
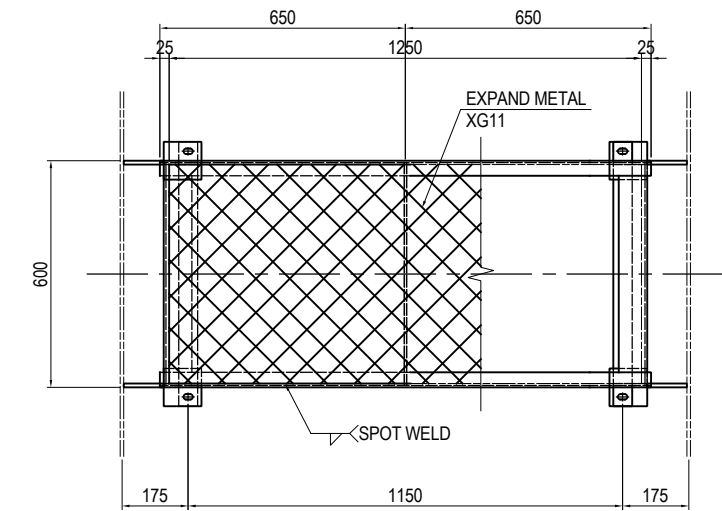
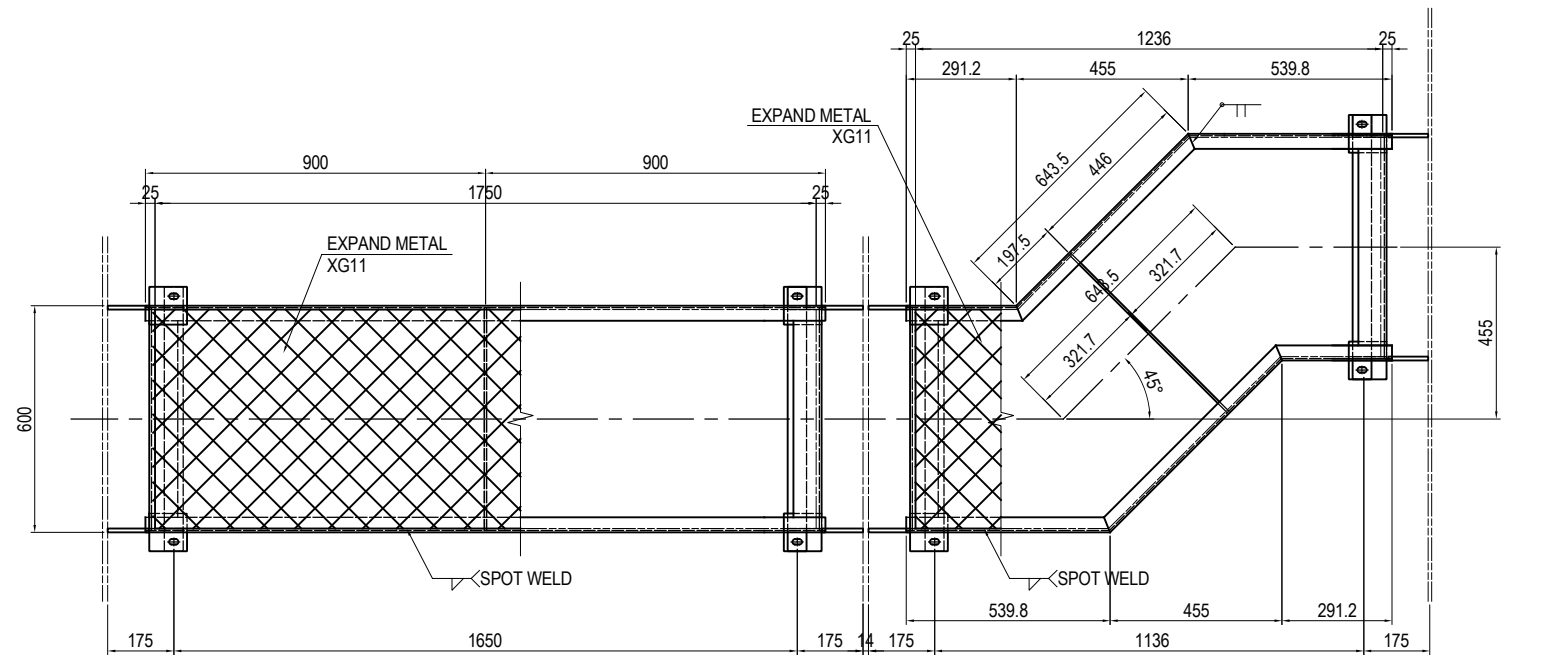
S=1:20

FOR LONGITUDINAL

IN END CROSS BEAM
(Q'ty = 4)

NEAR END CROSS BEAM
(Q'ty = 4)

AROUND ϕ BRIDGE
(Q'ty = 4)



- 2 - [75x40x5x7x1800(SS400)
- 2 - L 75x75x6x590(SS400)
- 1 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 580x1750(SS400)
- 4 - PL 150x 9x 200(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

- 2 - [75x40x5x7x 308(SS400)
- 2 - [75x40x5x7x 660(SS400)
- 2 - [75x40x5x7x 540(SS400)
- 2 - L 75x75x6x590(SS400)
- 1 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 1035x1236(SS400)
- 2 - PL 150x 9x 200(SM400A)
- 2 - PL 150x 9x 196(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

- 2 - [75x40x5x7x1300(SS400)
- 2 - L 75x75x6x590(SS400)
- 1 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 580x1250(SS400)
- 4 - PL 150x 9x 196(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

NOTES:

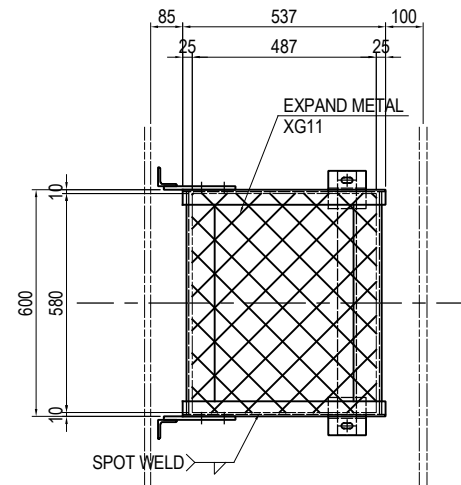
- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE INSPECTION ROAD (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3036

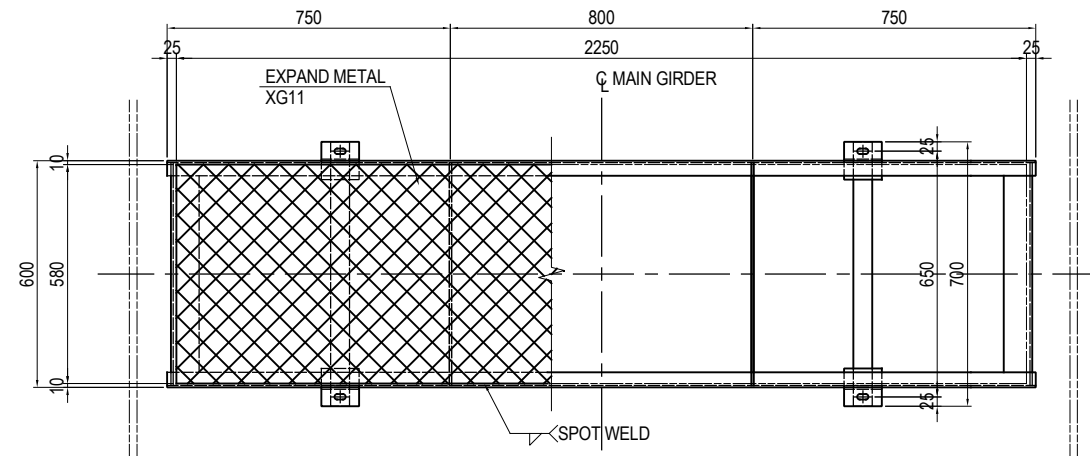
INSPECTION ROAD (4) S=1:20

FOR TRANSVERSAL

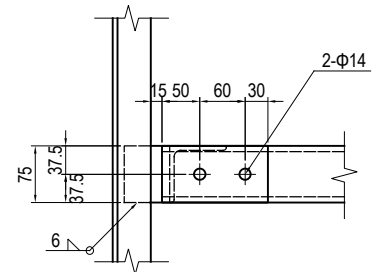
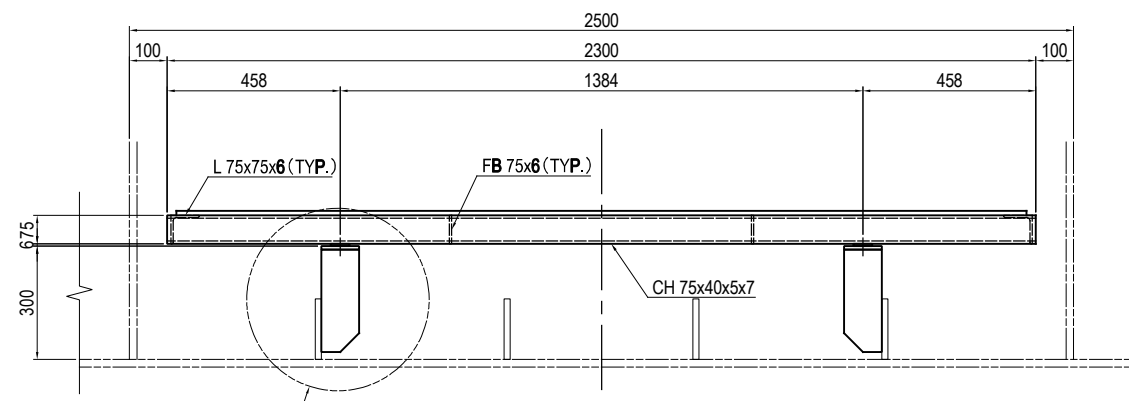
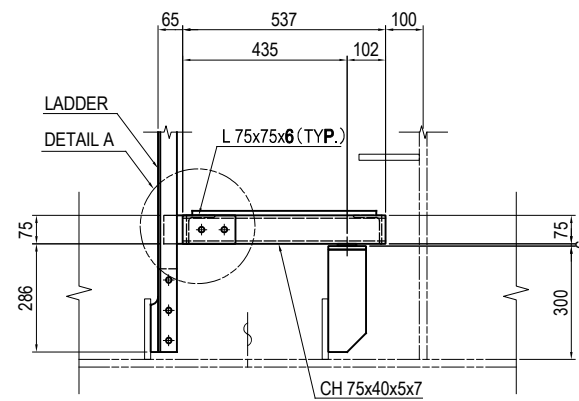
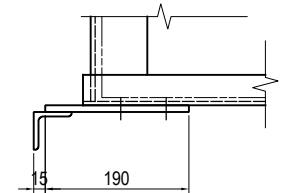
OUTSIDE MIDDLE BOX GIRDER
(Q'ty = 80)



INSIDE MIDDLE BOX GIRDER
(Q'ty = 40)



DETAIL A S=1:10



- 2 - [75x40x5x7x 537(SS400)
- 2 - L 75x75x6x590(SS400)
- 1 - FB 50x6x700(SS400)
- 1 - XG11 580x 487(SS400)
- 2 - PL 100x 9x 271(SM400A)
- 2 - PL 100x 9x 100(SM400A)
- 2 - B.N M12x 40(1-W,UNut)(SS400)
- 2 - PL 75x 9x 190(SM400A)
- 4 - B.N M12x 35(1-W,UNut)(SS400)

SEE DWG NO. P1-CS-3038
FOR DETAIL B

- 2 - [75x40x5x7x2280(SS400)
- 2 - L 75x75x6x590(SS400)
- 2 - FB 75x6x590(SS400)
- 2 - FB 50x6x700(SS400)
- 1 - XG11 580x2230(SS400)
- 4 - PL 100x 9x 271(SM400A)
- 4 - PL 100x 9x 100(SM400A)
- 4 - B.N M12x 40(1-W,1-UNut)(SS400)

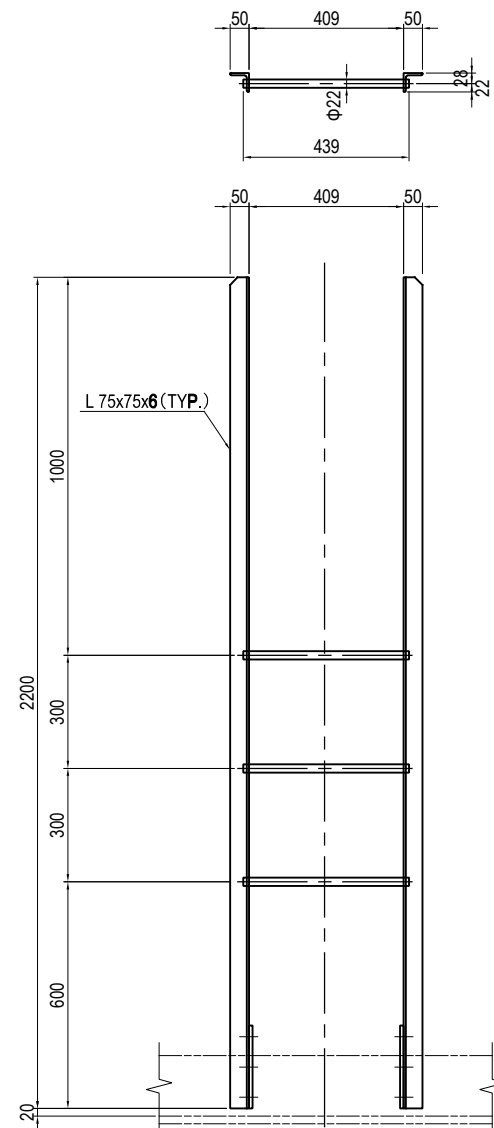
NOTES:

- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

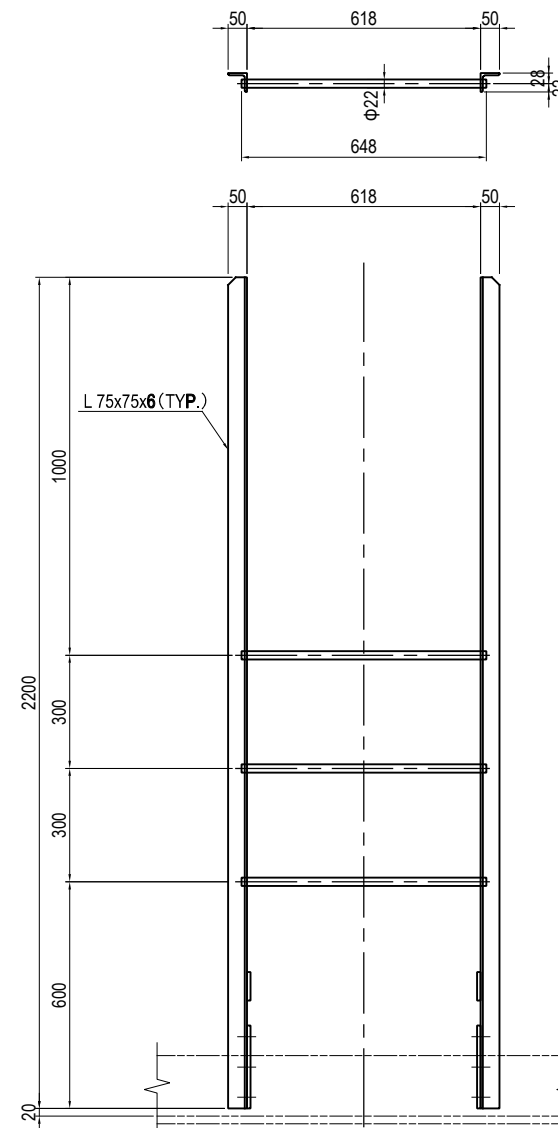
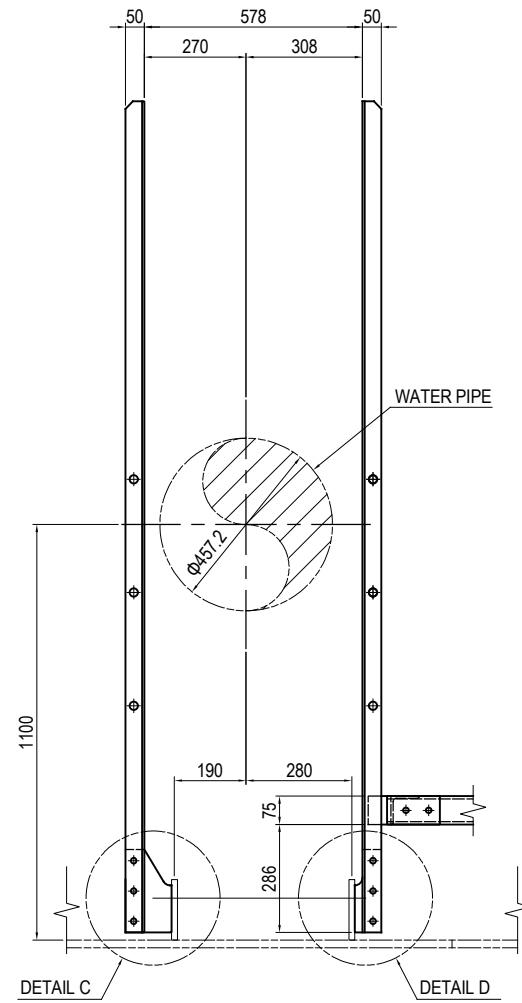
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME T. TOMODA	SIGNATURE	DATE	DRAWING TITLE INSPECTION ROAD (4)	PACKAGE 1 DWG No. P1-CS-3037
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

INSPECTION ROAD (6) S=1:20

LADDER DETAIL (Qty = 80)

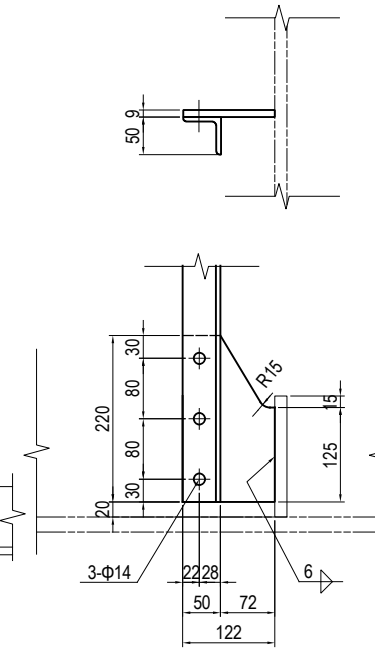


- 2 - L 50x50x6x2200(SS400)
- 3 - RB $\phi 22 \times 439$ (SS400)
- 2 - PL 122 x 9 x 220(SM400A)
- 6 - B.N M12x 40(1-W,1-UNut)(SS400)

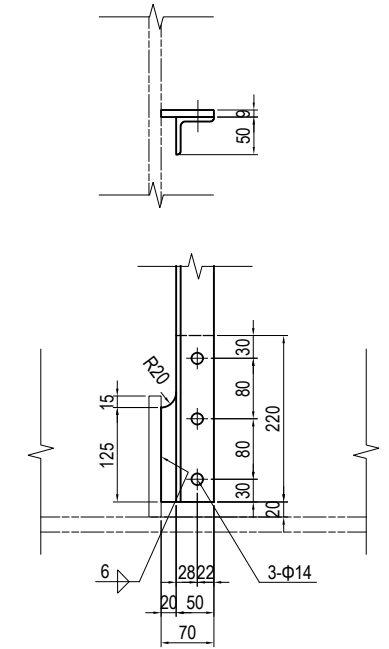


- 2 - L 50x50x6x2200(SS400)
- 3 - RB $\phi 22 \times 648$ (SS400)
- 2 - PL 70 x 9 x 220(SM400A)
- 6 - B.N M12x 40(1-W,1-UNut)(SS400)

DETAIL C S=1:10



DETAIL D S=1:10



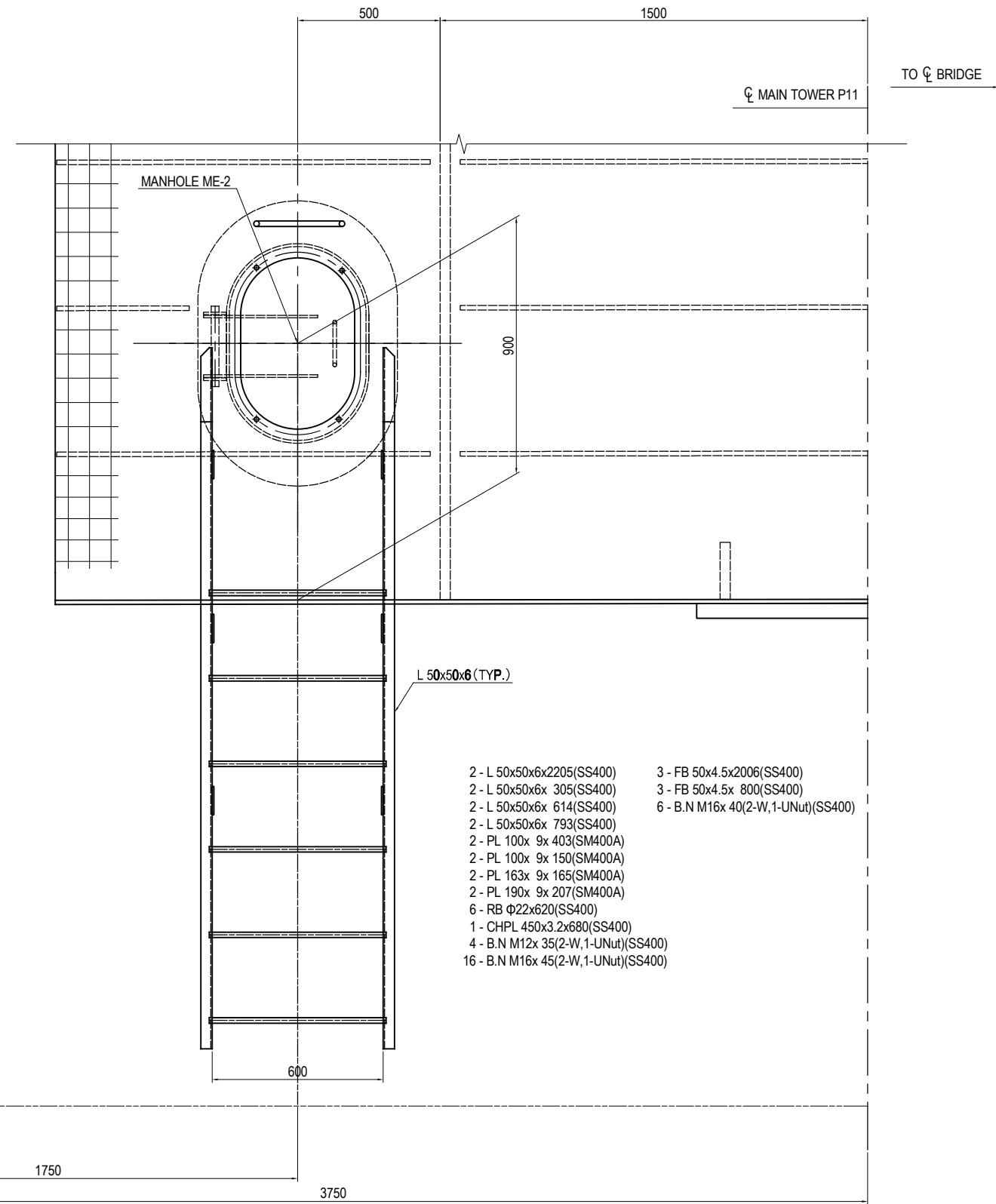
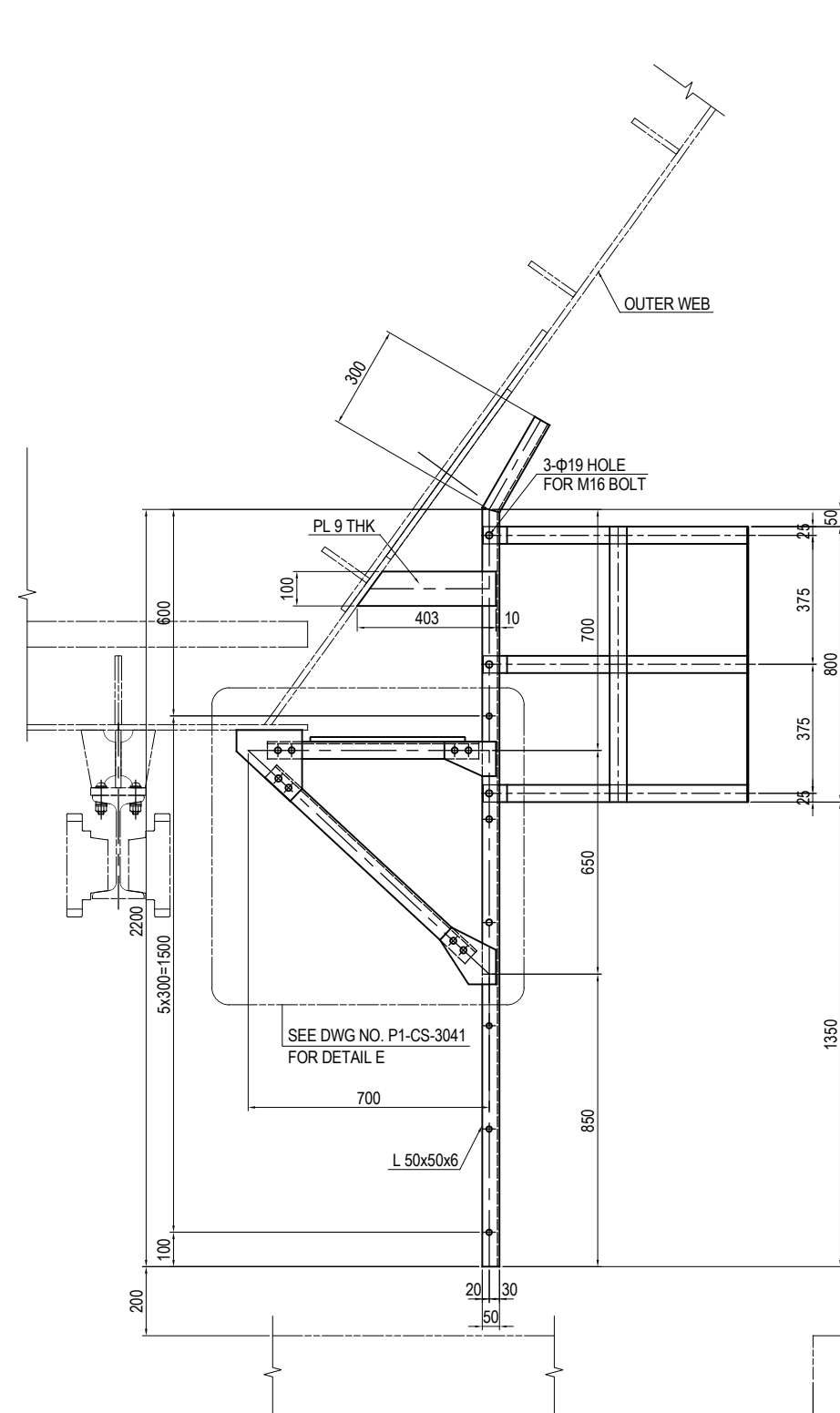
NOTES:

- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			INSPECTION ROAD (6)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-3039

INSPECTION ROAD (7) S=1:20

STAGE & LADDER DETAIL (Qty = 2)



NOTES:

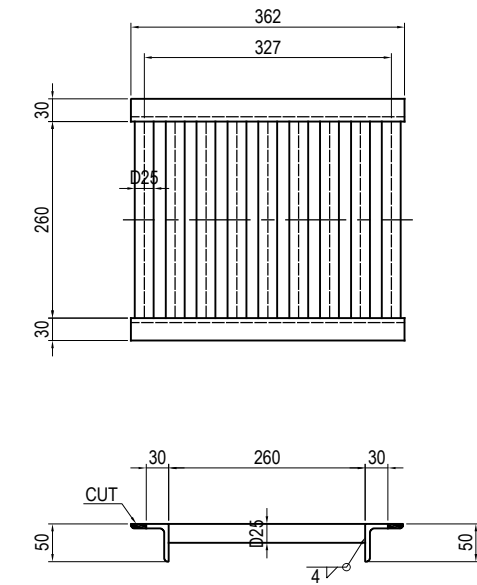
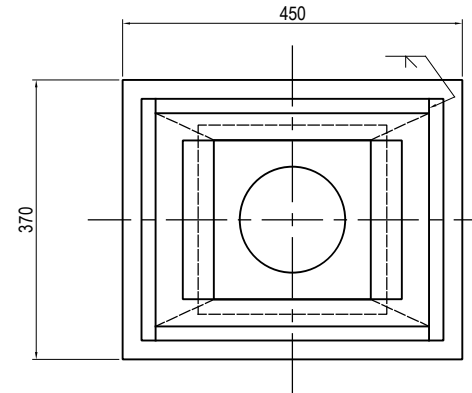
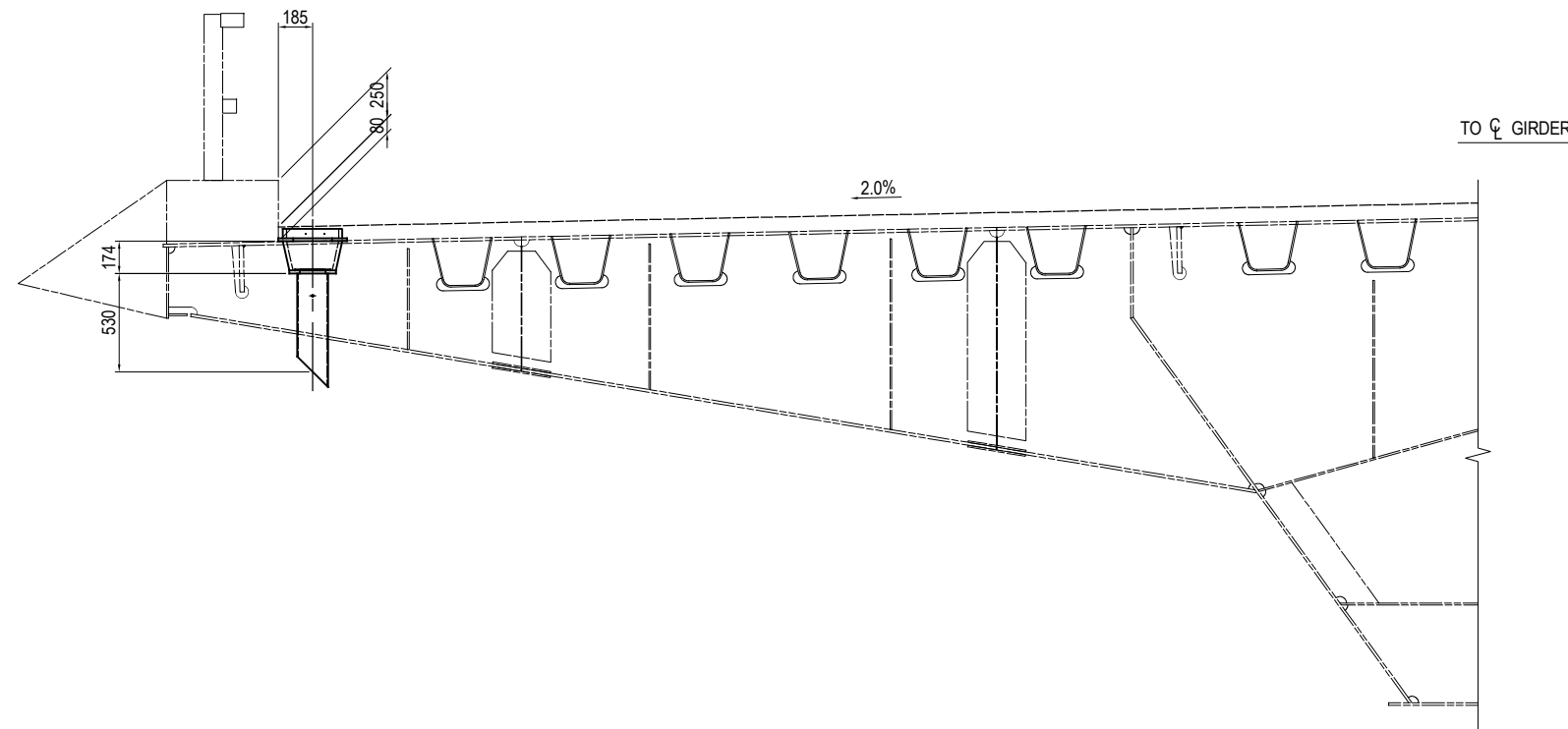
- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE INSPECTION ROAD (7)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3040

DRAINAGE (1)

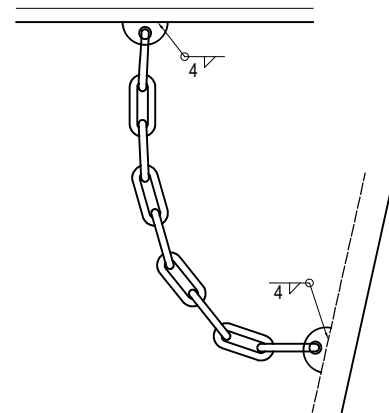
S=1:40

DETAIL S=1:10
(Q'ty = 140)

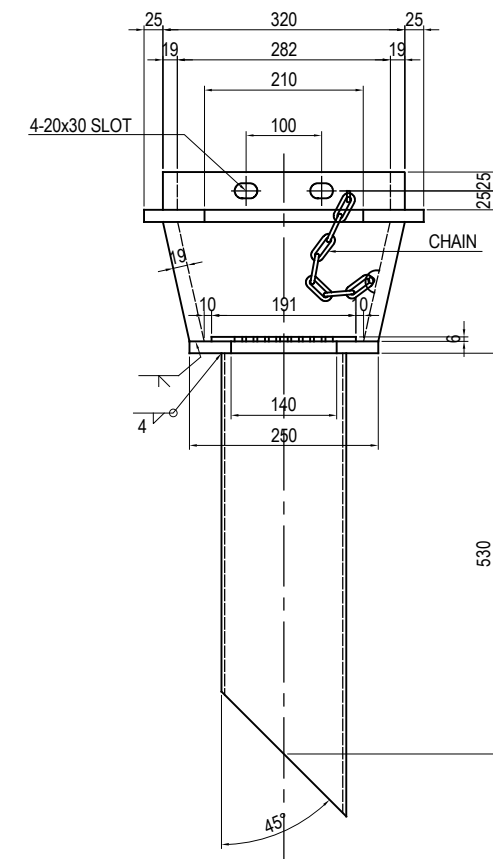
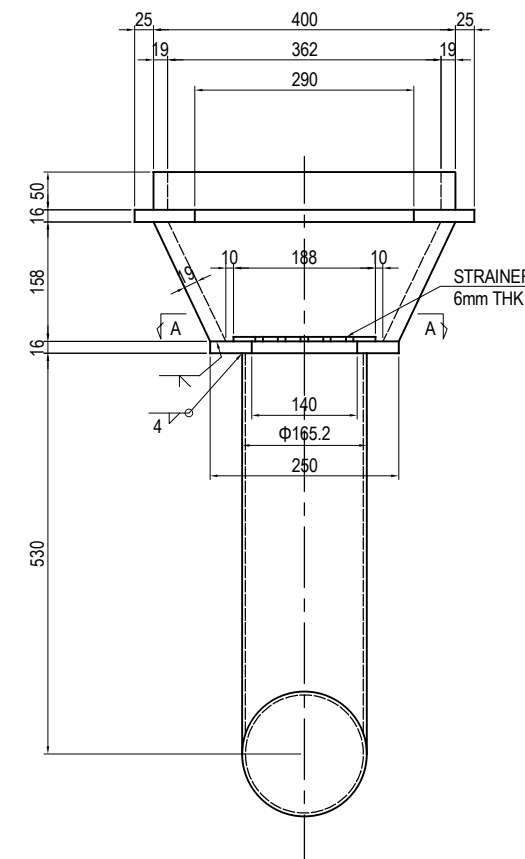
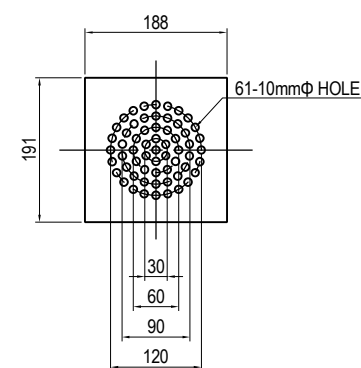


- 2-PL 50x19x362(SM400A)
- 2-PL 50x19x320(SM400A)
- 1-PL 370x16x450(SM400A)
- 2-PL 184x19x320(SM400A)
- 2-PL 166x19x358(SM400A)
- 1-PL 250x16x250(SM400A)
- 1-PL 188x6x191(SM400A)
- 1-PIPE ϕ 165.2x4.5x530(STK400)
- 1-Chain ϕ 5x250(SUS304)
- 2-L 50x50x6x362(SS400)
- 9-RB ϕ 25x260(SD295)

DETAIL OF CHAIN



SECTION A-A



NOTES:

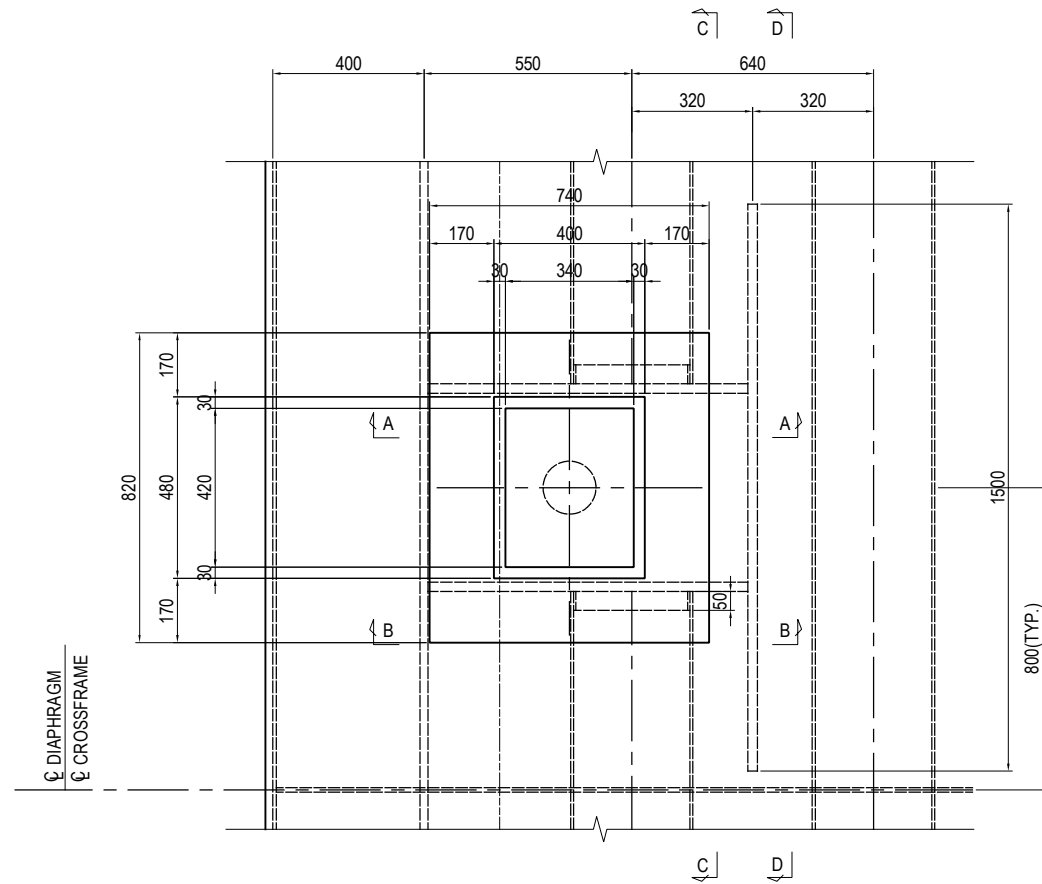
1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBER WITH A THICKNESS OF LESS THAN 3.2mm)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DRAINAGE (1)	PACKAGE
				PREPARED BY T.TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-3042

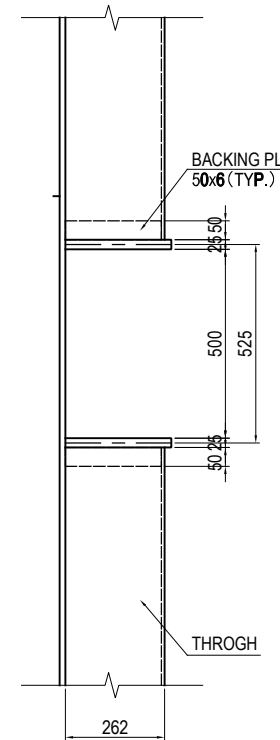
DRAINAGE (2)

S=1:20

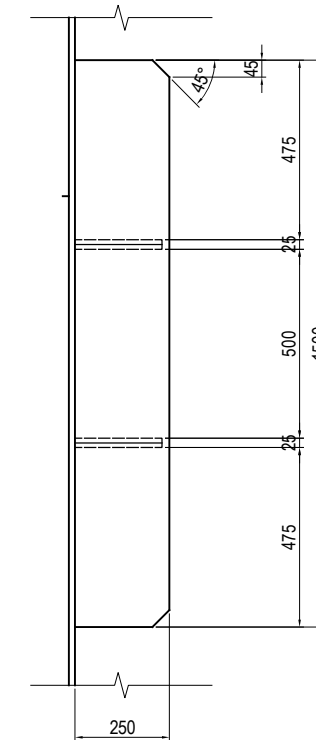
DRAINAGE COVER PL DETAIL



SECTION C-C

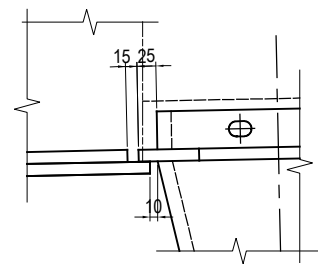


SECTION D-D

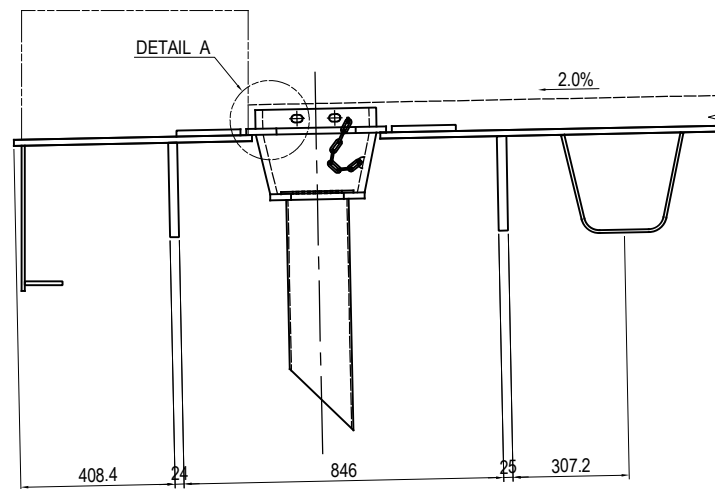


- 1-PL 820x16x740(SM400A)
- 2-RIB 280x25x848(SM400A)
- 1-RIB 250x25x1500(SM400A)
- 2-FB 50x6x684(SS400)

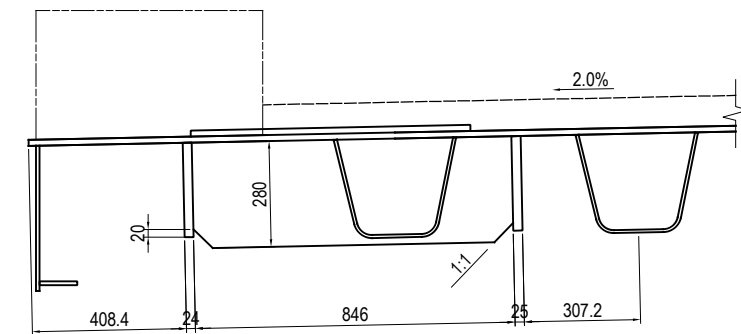
DETAIL A S=1:10



SECTION A-A



SECTION B-B



NOTES:

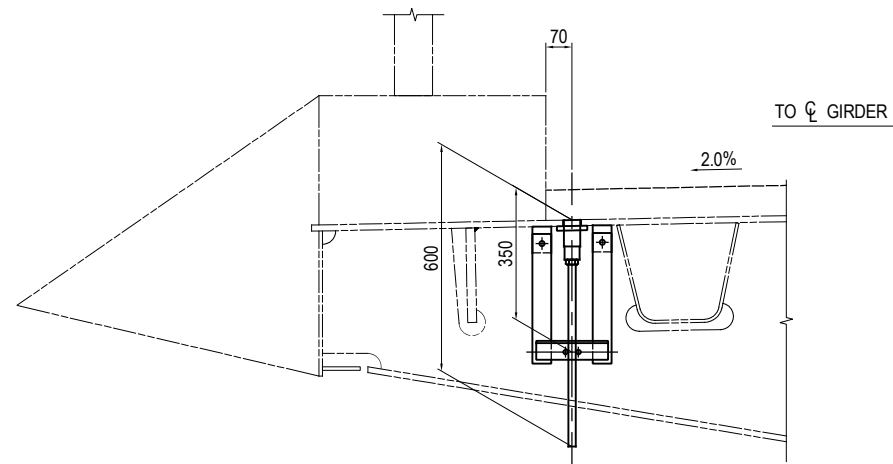
1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBER WITH A THICKNESS OF LESS THAN 3.2mm)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DRAINAGE (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3043

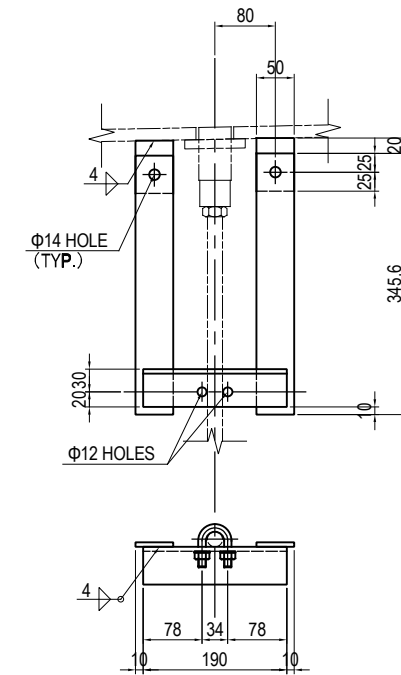
DRAINAGE (3)

S=1:20

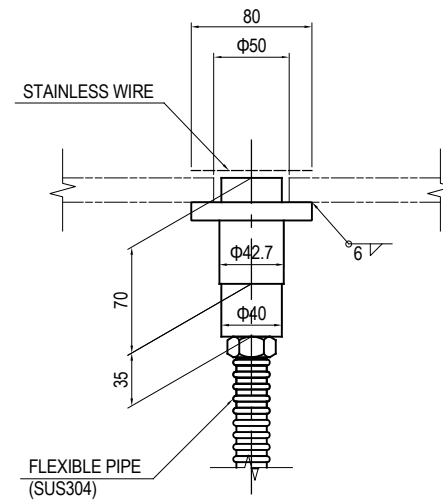
DETAIL OF FLOOR DRAINAGE



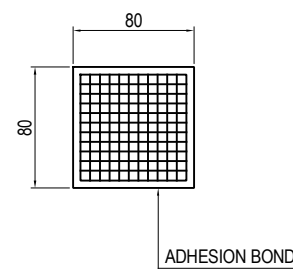
STEADY PIECE DETAIL S=1:10



FLEXIBLE PIPE DETAIL S=1:5



STAINLESS WIRE DETAIL S=1:5



- 2-PL 50x6x70(SM400A)
- 2-PL 50x6x346(SS400)
- 1-L 50x50x6x190(SS400)
- 2-BN M12x35(1-W,1-UNut)(SS400)
- 1-U.BOLT M10(15C)(2-W)(SS400)
- 2-WASHER M10(SS400)

NOTES:

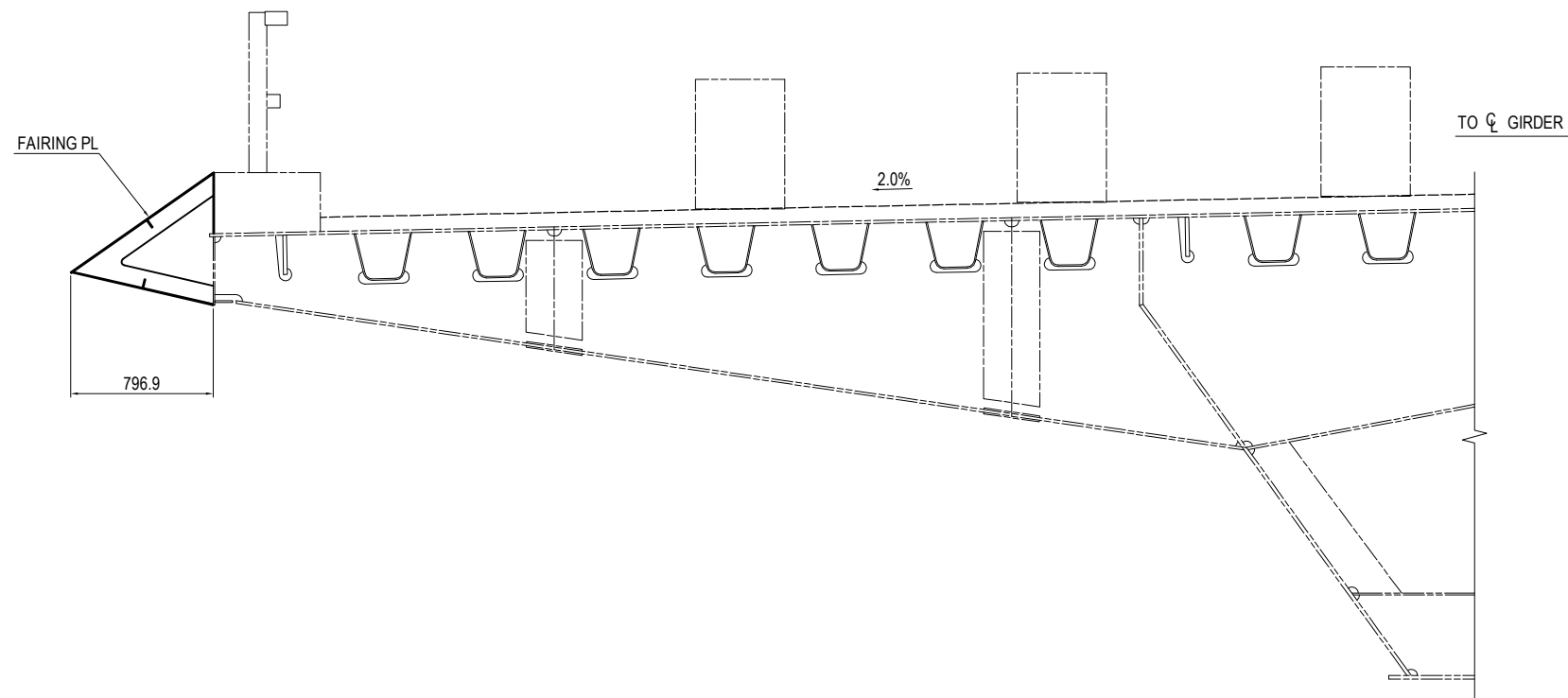
1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBER WITH A THICKNESS OF LESS THAN 3.2mm)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DRAINAGE (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3044

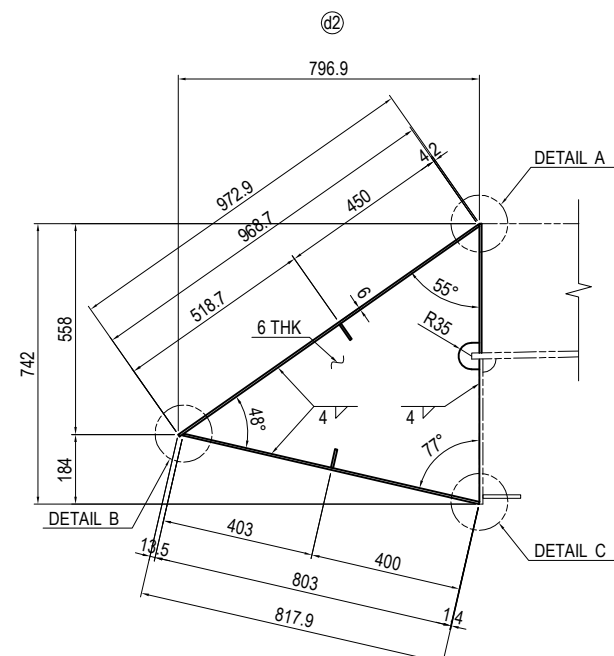
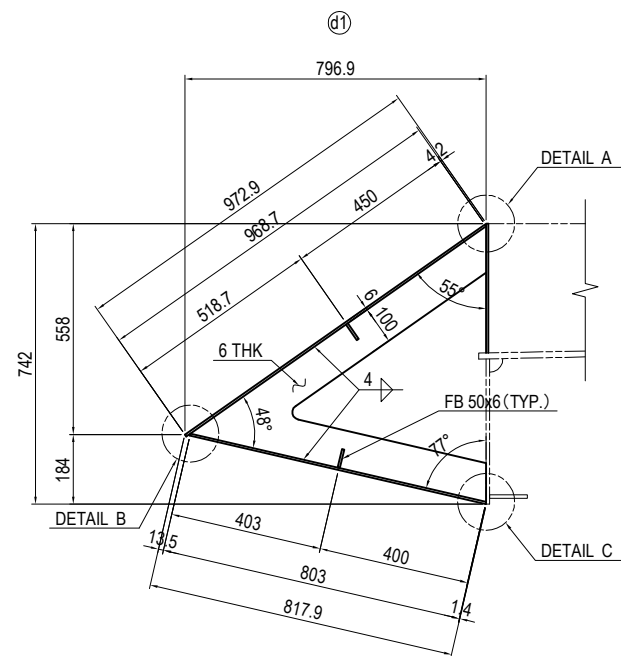
FAIRING (1)

S=1:40

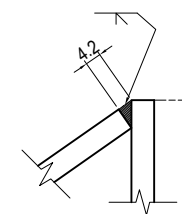
TYPICAL SECTION



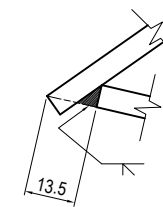
DIAPHRAGM DETAIL S=1:20



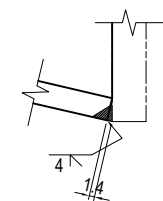
DETAIL A S=1:2



DETAIL B S=1:2



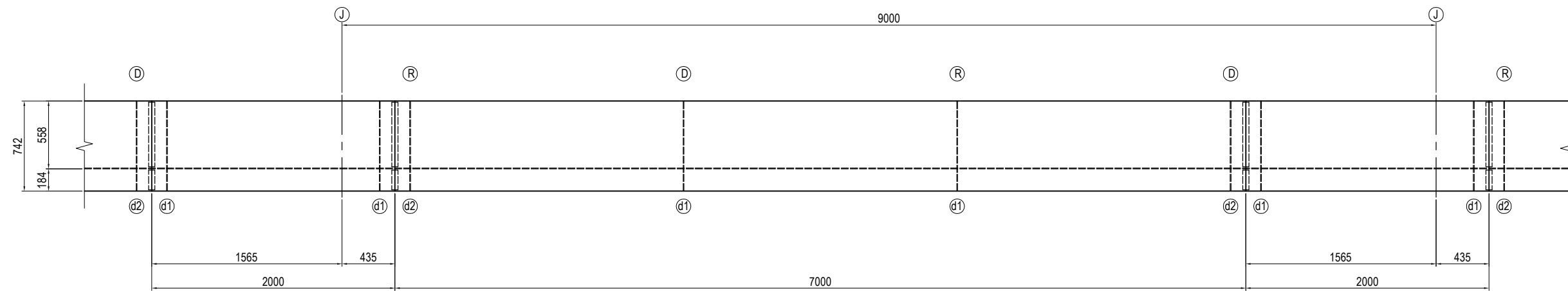
DETAIL C S=1:2



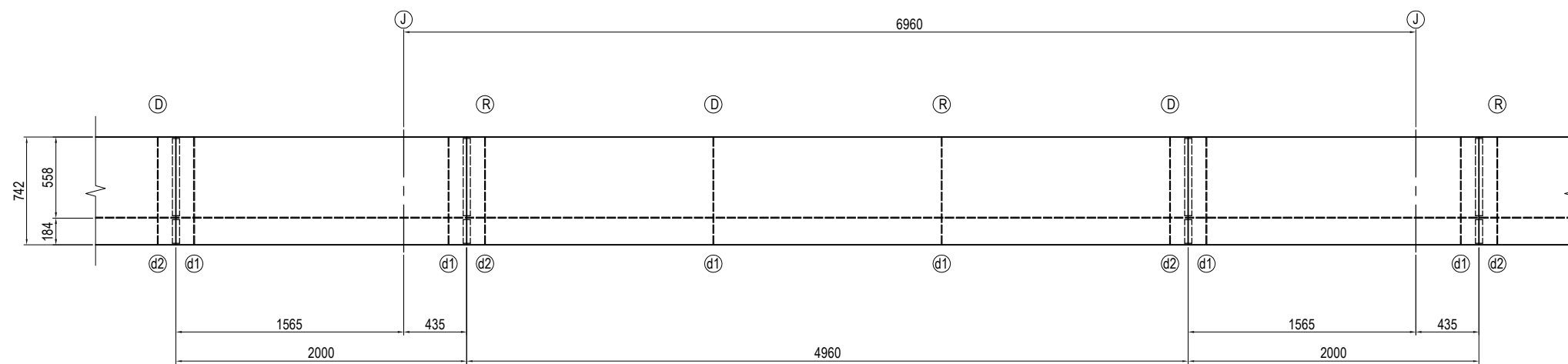
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FAIRING (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3045

FAIRING (2) S=1:40

TYPICAL ARRANGEMENT



SEGMENT NO.13 & 15

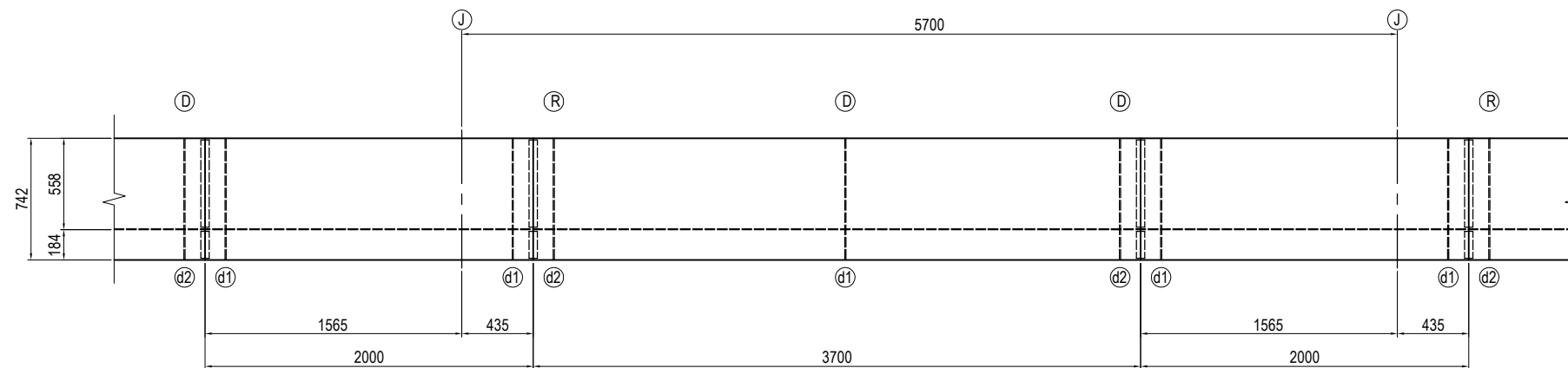


- 1-PL 969x6x7000(SM400A)
- 1-PL 803x6x7000(SM400A)
- 2-PL 50x6x7000(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-FB 50x6x953(SS400)
- 2-FB 50x6x798(SS400)

- 1-PL 969x6x2000(SM400A)
- 1-PL 803x6x2000(SM400A)
- 2-PL 50x6x2000(SM400A)
- 2-PL 955x6x597(SM400A)

- 1-PL 969x6x4960(SM400A)
- 1-PL 803x6x4960(SM400A)
- 2-PL 50x6x4960(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-FB 50x6x953(SS400)
- 2-FB 50x6x798(SS400)

SEGMENT NO.14



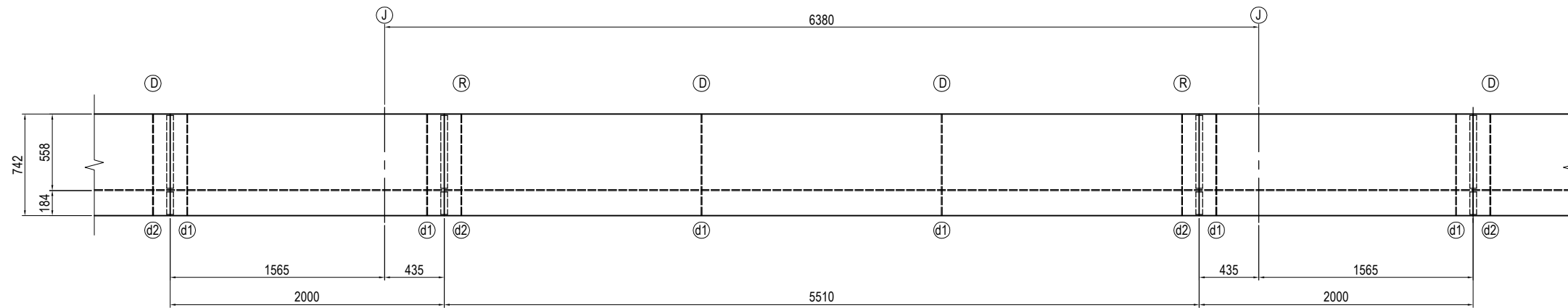
- 1-PL 969x6x3700(SM400A)
- 1-PL 803x6x3700(SM400A)
- 2-PL 50x6x3700(SM400A)
- 1-PL 955x6x597(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-FB 50x6x953(SS400)
- 2-FB 50x6x798(SS400)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FAIRING (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3046

FAIRING (3)

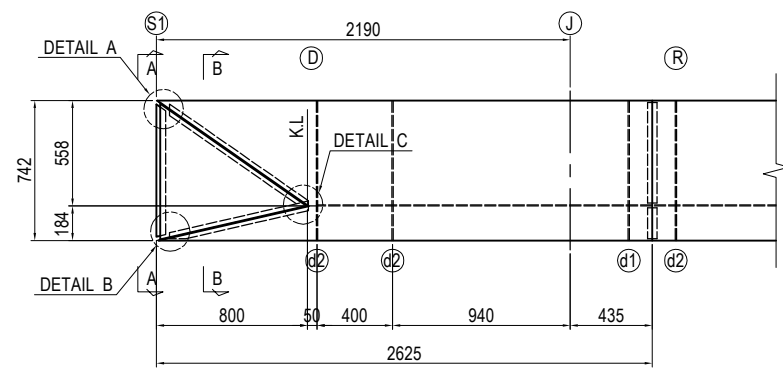
S=1:40

SEGMENT NO.27

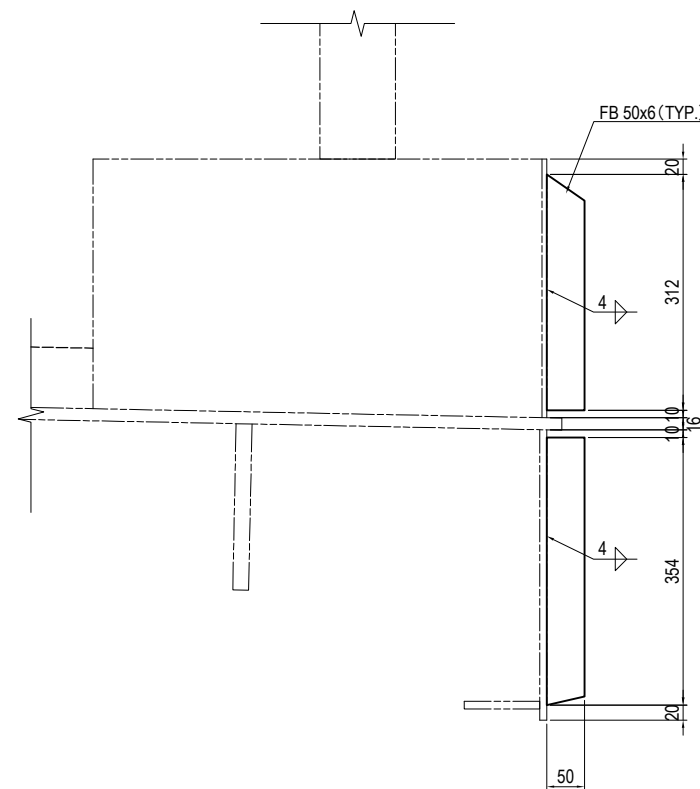


- 1-PL 969x6x5510(SM400A)
- 1-PL 803x6x5510(SM400A)
- 2-PL 50x6x5510(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-PL 955x6x597(SM400A)
- 2-FB 50x6x953(SS400)
- 2-FB 50x6x798(SS400)

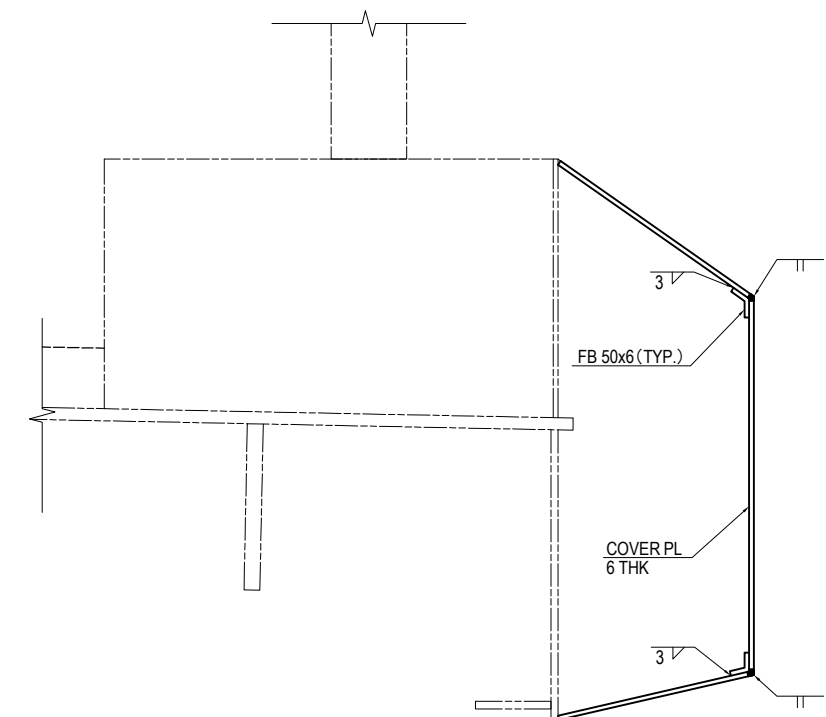
SEGMENT NO.1



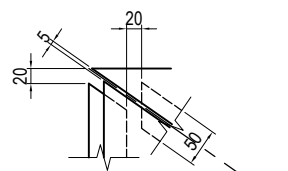
DEV. SECTION A-A S=1:10



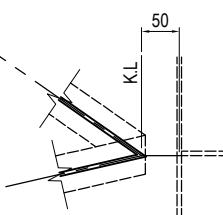
SECTION B-B S=1:10



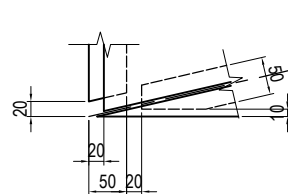
DETAIL A S=1:10



DETAIL C S=1:10



DETAIL B S=1:10



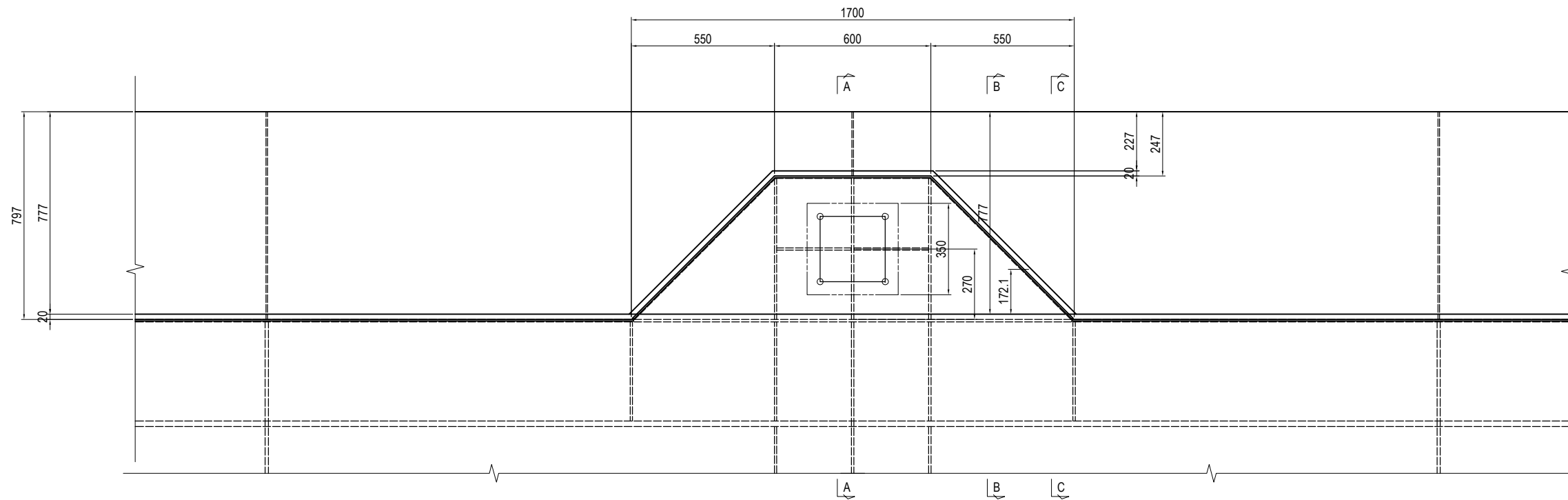
- 1-PL 969x6x2605(SM400A)
- 1-PL 803x6x2605(SM400A)
- 2-PL 50x6x1772(SM400A)
- 3-PL 955x6x597(SM400A)
- 1-FB 50x6x953(SS400)
- 1-FB 50x6x798(SS400)
- 1-PL 718x6x1092(SM400A)
- 1-FB 50x6x896(SS400)
- 1-FB 50x6x762(SS400)
- 1-FB 50x6x312(SS400)
- 1-FB 50x6x354(SS400)

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FAIRING (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3047

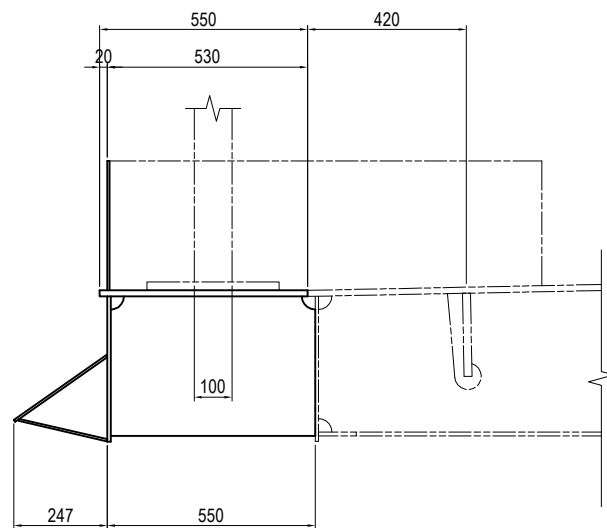
FAIRING (4)

S=1:20

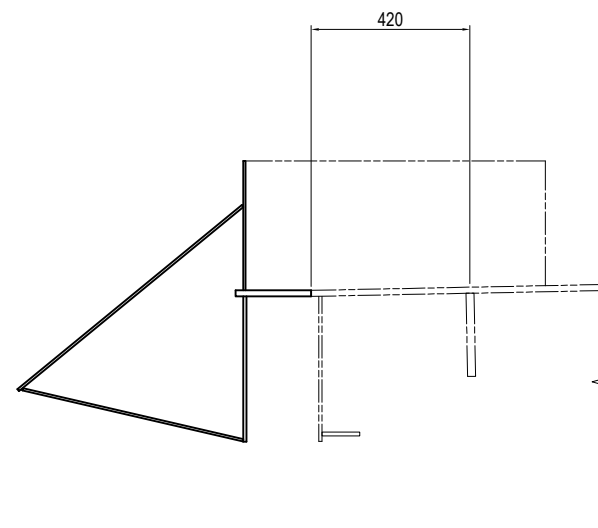
LIGHTING POST BASE DETAIL



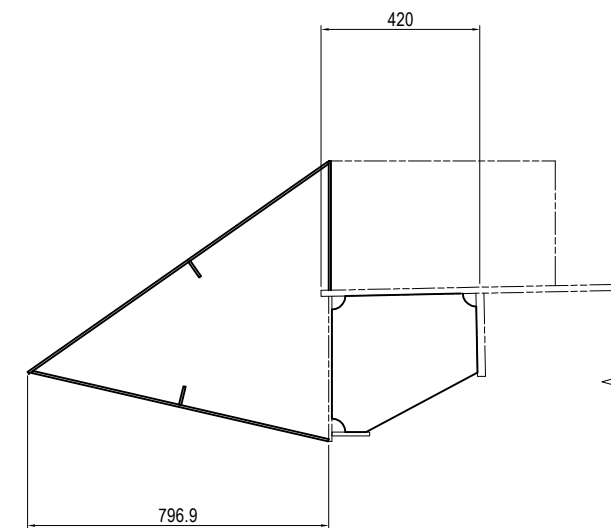
SECTION A-A



SECTION B-B



SECTION C-C



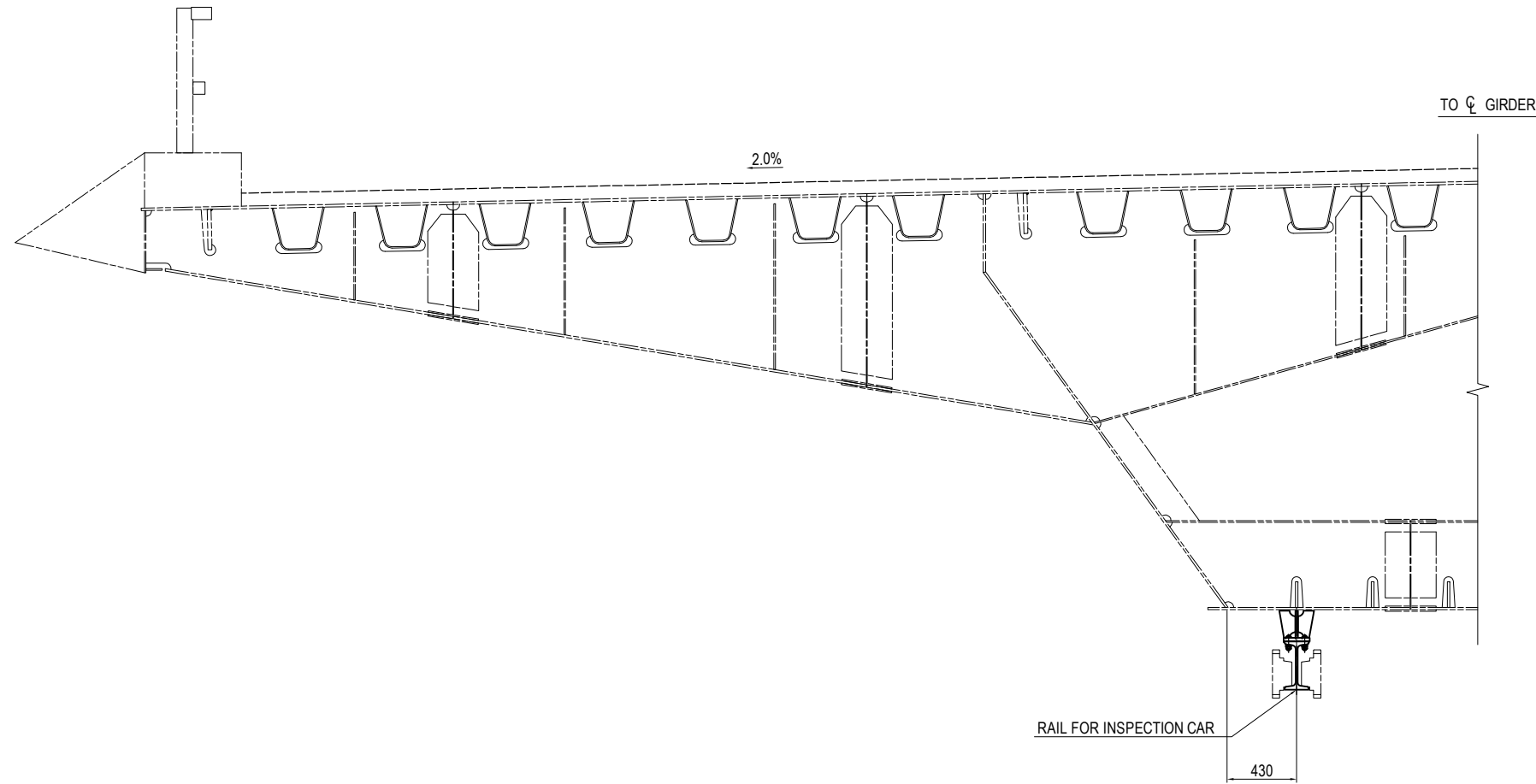
NOTES:

1 - SEE THE NAVIGATION SIGN & LIGHT DRAWING FOR DETAILS ON FAIRING AT THE WIDENING PART.

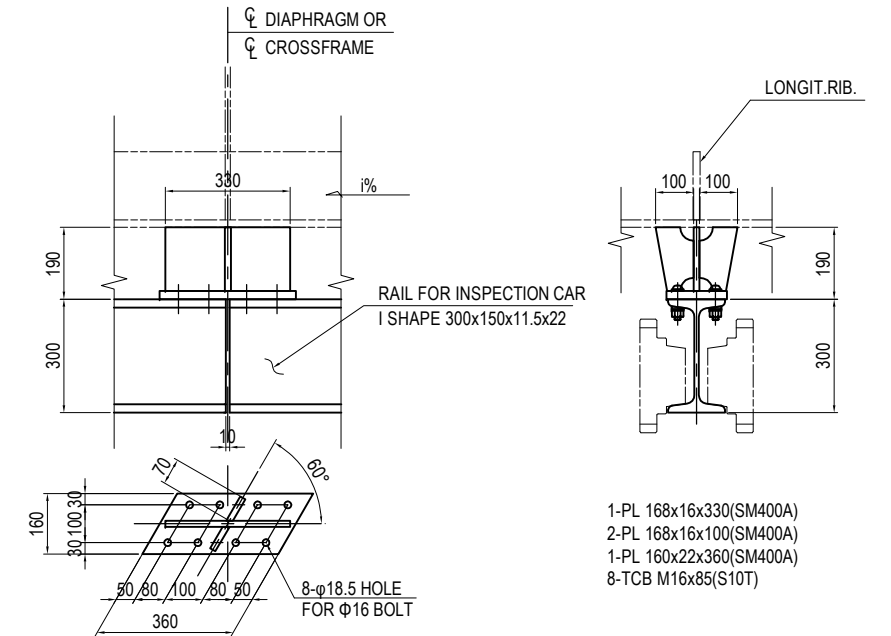
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE FAIRING (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3048

RAIL FOR INSPECTION VEHICLE (1)

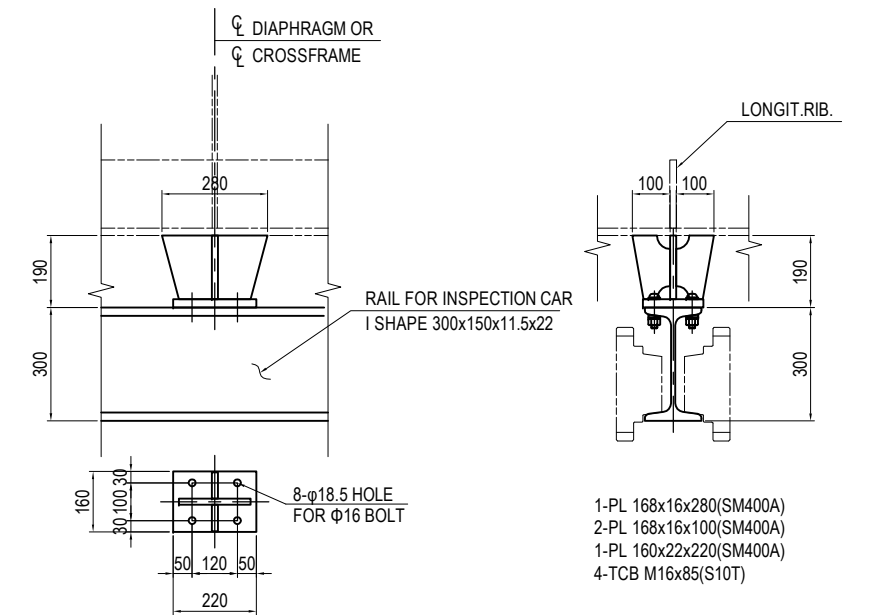
S=1:40



END OF RAIL S=1:20



INTERMEDIATE OF RAIL S=1:20

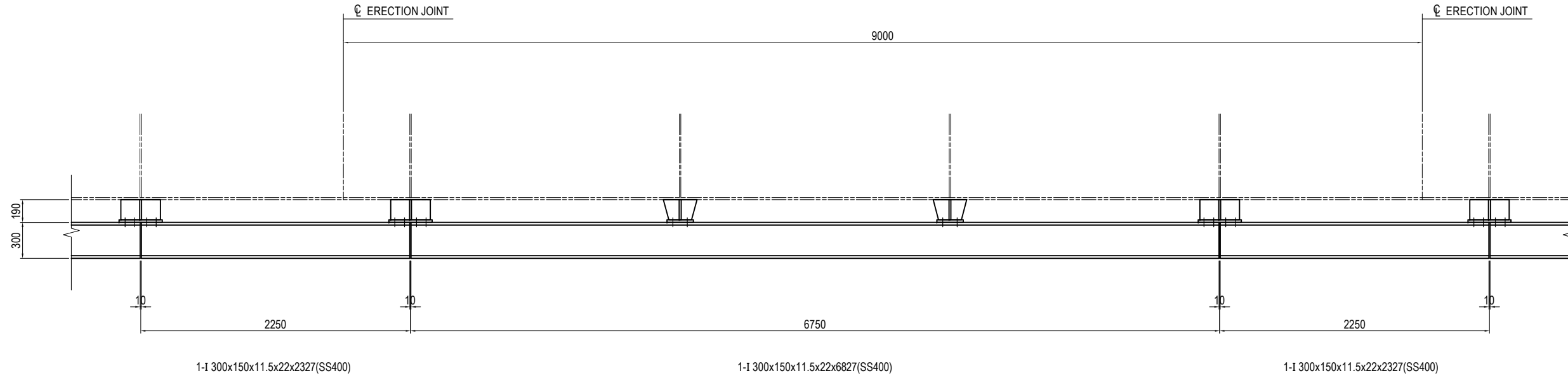


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE RAIL FOR INSPECTION VEHICLE (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3049

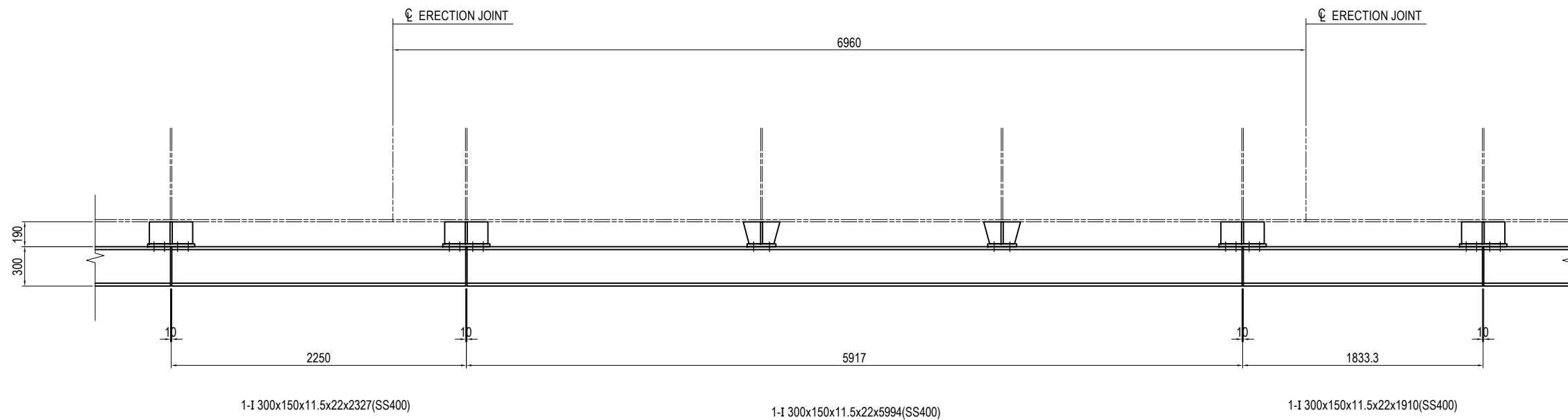
RAIL FOR INSPECTION VEHICLE (2)

S=1:40

TYPICAL SEGMENT



SEGMENT NO.13 & 15

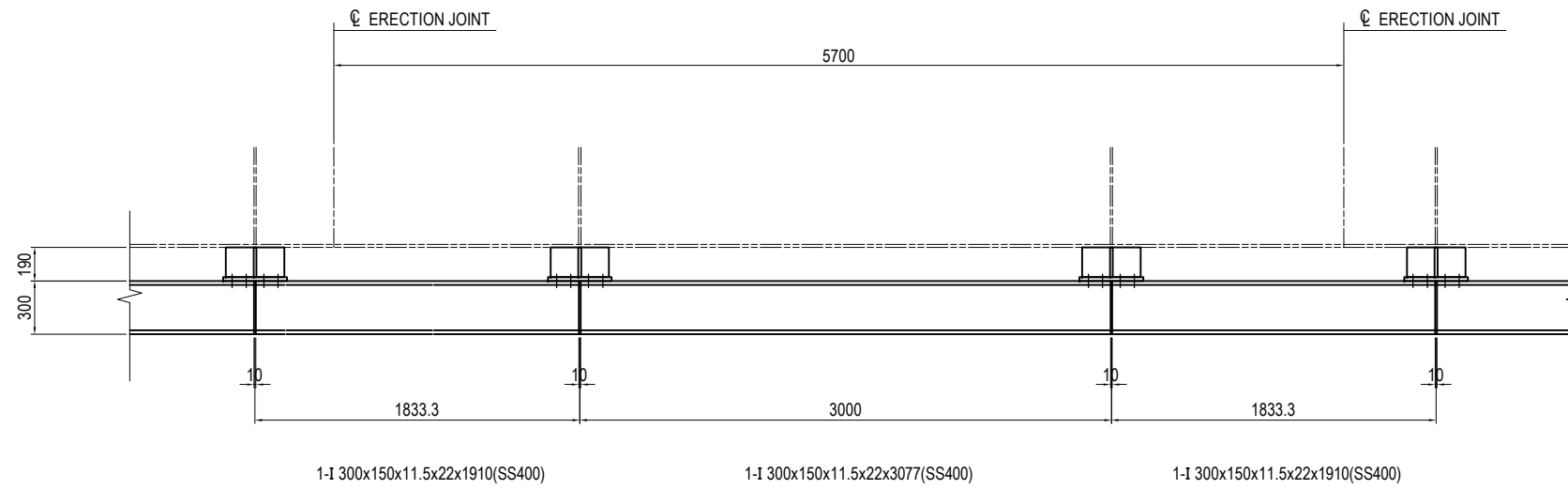


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE RAIL FOR INSPECTION VEHICLE (2)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3050

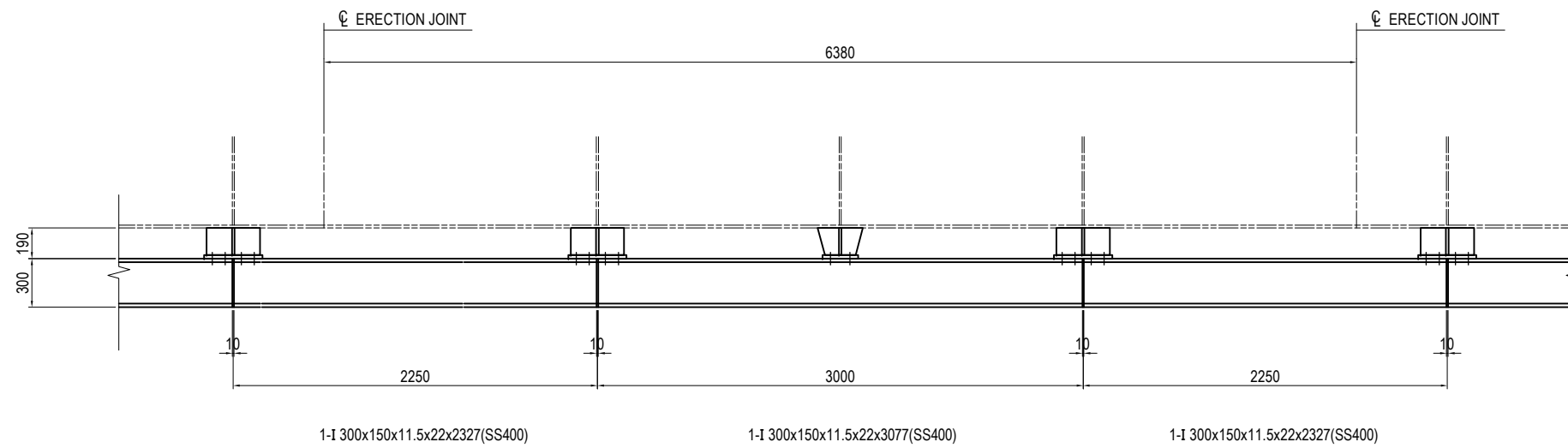
RAIL FOR INSPECTION VEHICLE (3)

S=1:40

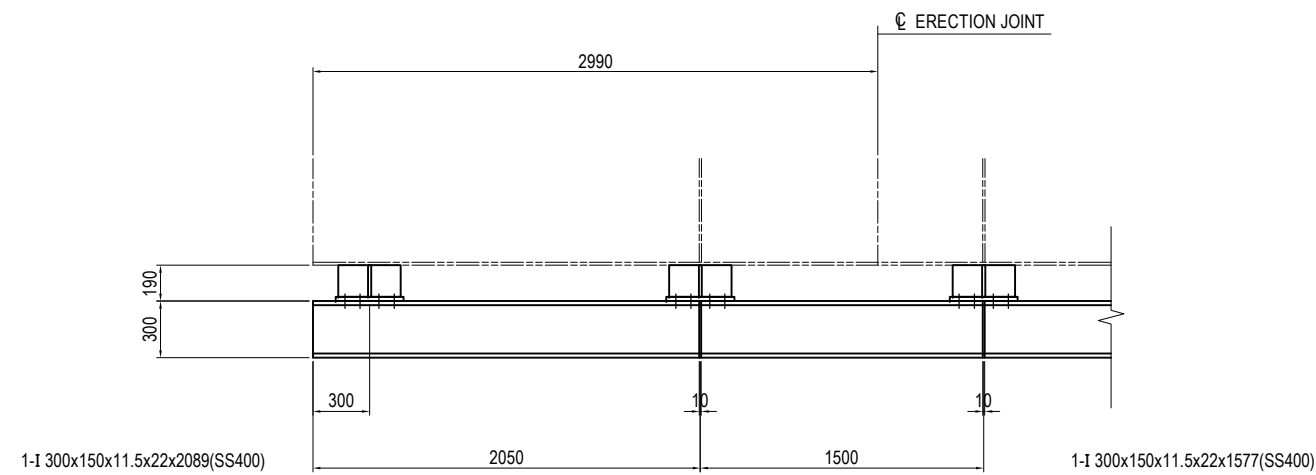
SEGMENT NO.14



SEGMENT NO.27



SEGMENT NO.1



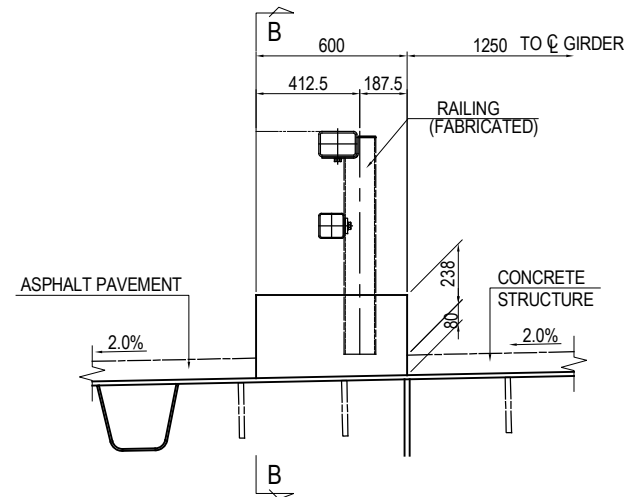
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE RAIL FOR INSPECTION VEHICLE (3)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3051

DETAIL OF RAILING (2)

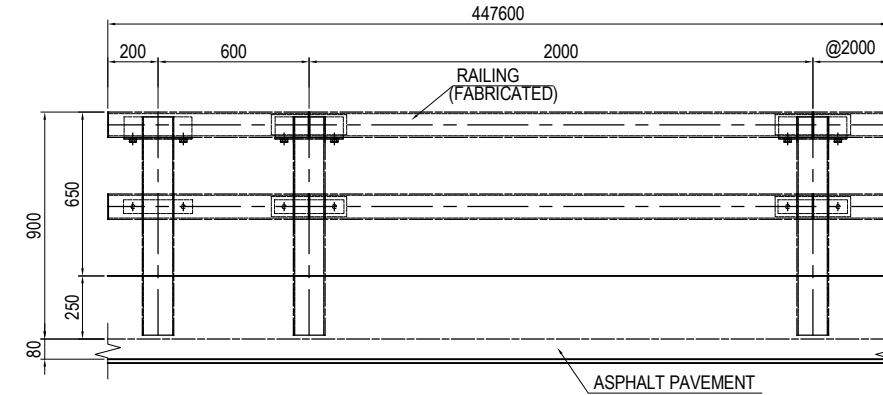
S=1:20

BARRIER FOR CARRIAGE WAY

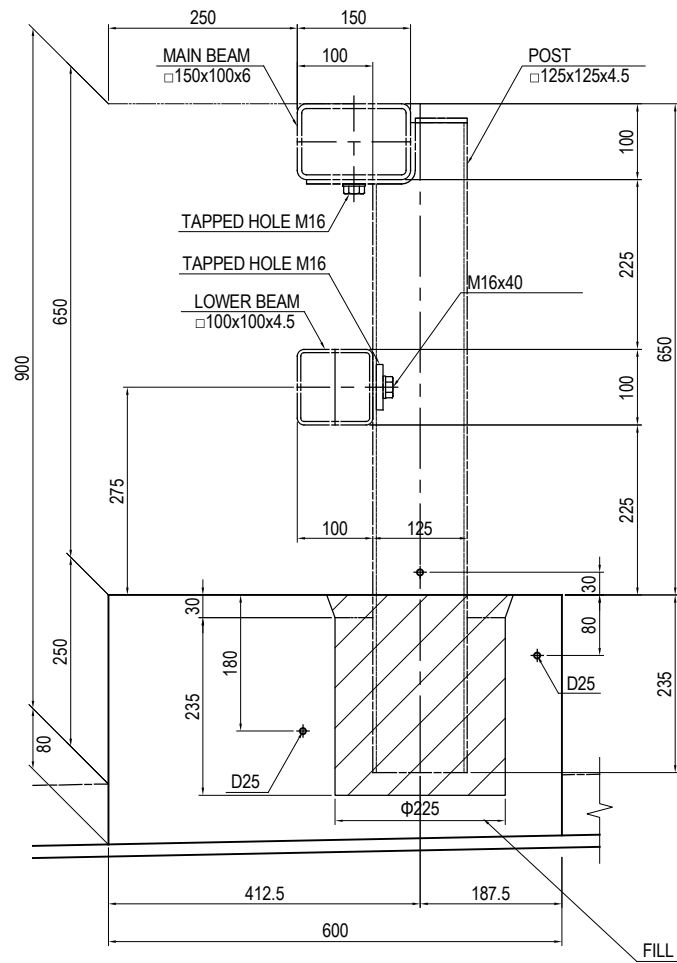
TYPICAL CROSS SECTION S=1:30



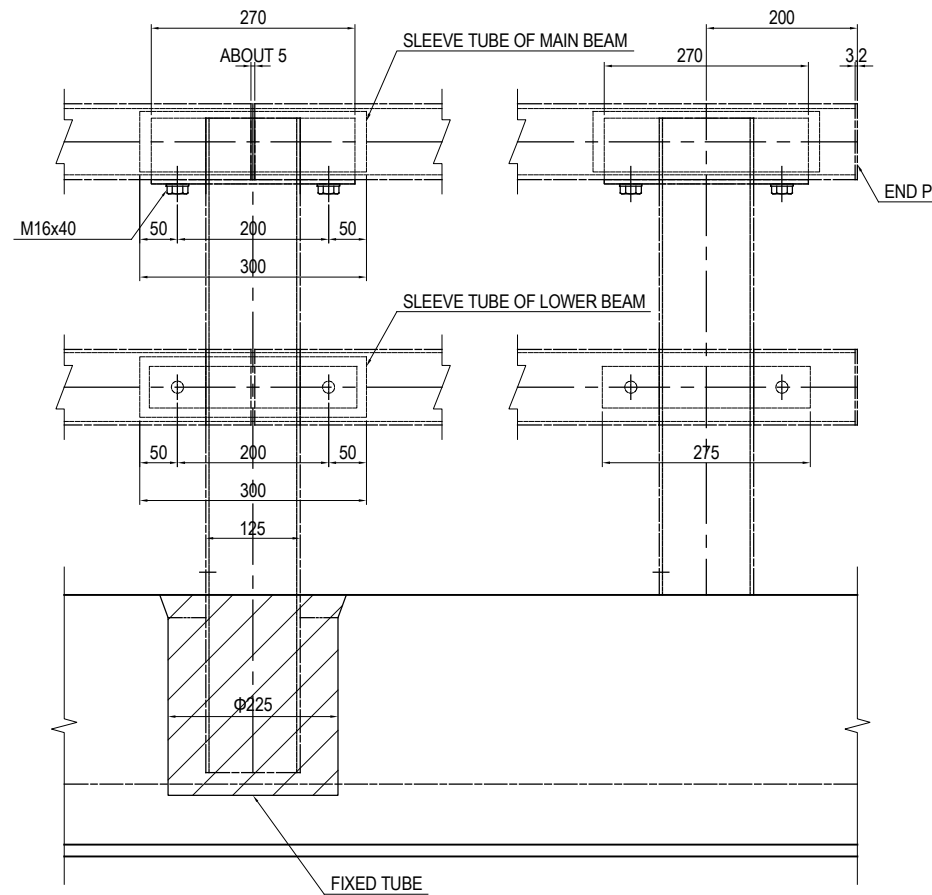
SECTION B-B S=1:30



BARRIER FOR CARRIAGE WAY DETAIL S=1:10



JOINT DETAIL S=1:10



END POST DETAIL S=1:10

SUMMARY OF MEMBERS

NO.	MEMBER	SIZE DIMENSIONS	Q'TY	UNIT WEIGHT	WEIGHT PER UNIT	GROSS WEIGHT	MATERIAL	PAINTED AREA
1	POST	□125x125x4.5	5		17.40	67.0	STKR 400	2.2m ²
2	MAIN BEAM	□150x100x6.0	5	21.70	43.29	216.5	STKR 400	5.0m ²
3	LOWER BEAM	□100x100x4.5	5	13.10	26.13	130.7	STKR 400	4.0m ²
4	SLEEVE TUBE OF MAIN BEAM	L=300	5		6.51	32.6	SS400	
5	SLEEVE TUBE OF LOWER BEAM	L=300	5		3.71	18.6	SS400	
6	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 8.8	
7	HEXAGON BOLT	M16x40	10		0.12	1.2	GRADE 6.8	
8	FIXED TUBE	Φ225	5		-	-	SPCC	
TOTAL						487.8		11.2m ²

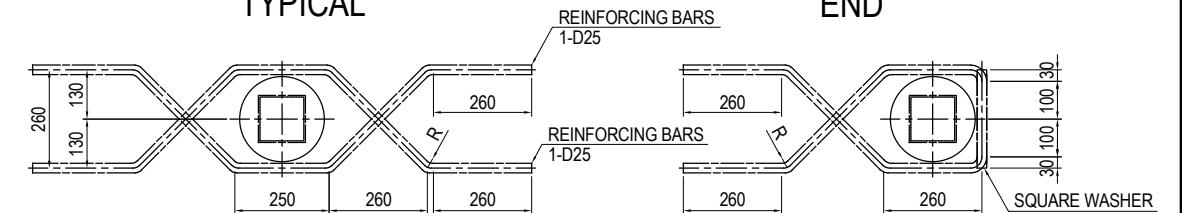
MASS PER 1m 48.8kg/m
(EXCLUDING END SPAN)

MEMBER	SIZE DIMENSIONS	Q'TY	REMARKS
REINFORCING BAR (TYPICAL)	D25x1550	5528kg	SD345
REINFORCING BAR (END)	D25x1200	38kg	SD345

REINFORCING BARS DETAIL

TYPICAL

END



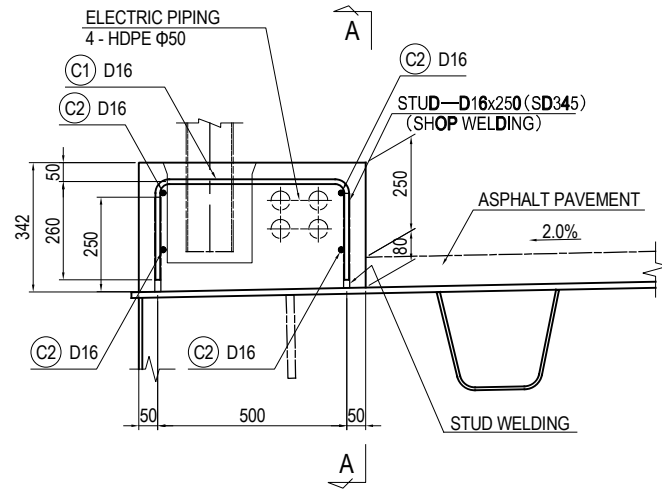
NOTES:

1 - INSTALLATION OF REINFORCING BAR SHALL BE ADJUSTED IN ACCORDANCE WITH REINFORCING BAR ARRANGEMENT OF THE CONCRETE CURB.

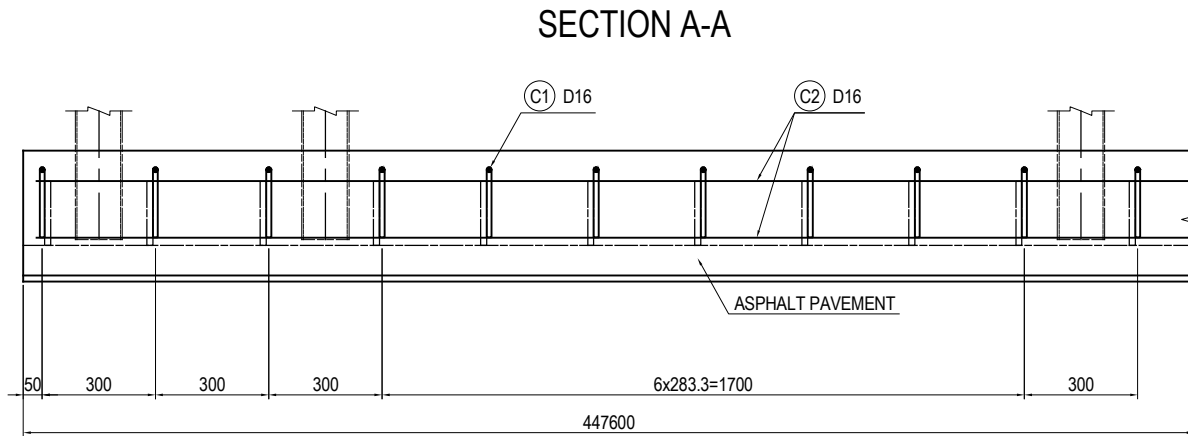
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			DETAIL OF RAILING (2)	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-3053

BRIDGE SURFACE WORK (1) S=1:20

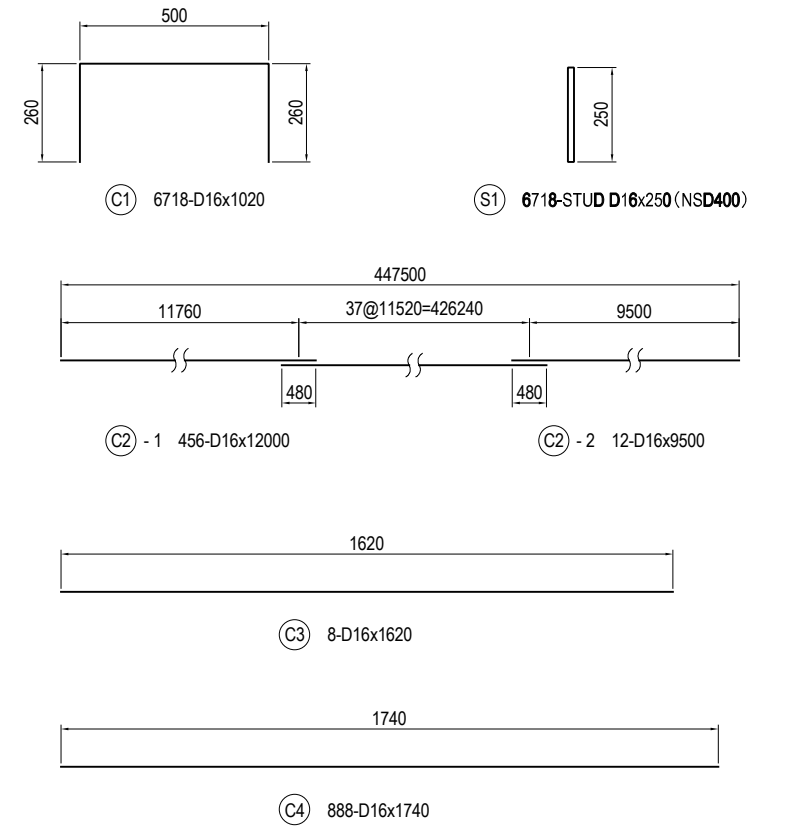
CROSS SECTION OF WHEEL GUARD



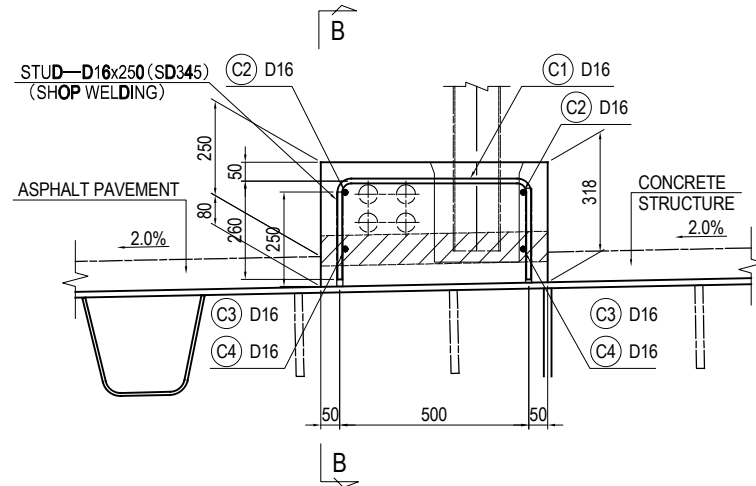
WHEEL GUARD DETAIL



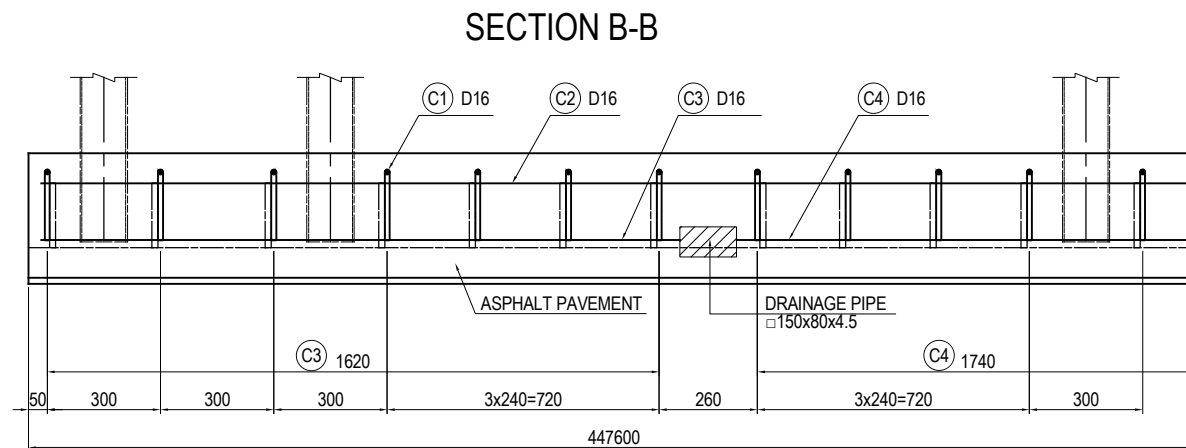
REINFORCING BAR BENDING SCHEDULE



CROSS SECTION OF MEDIAN STRIP



MEDIAN STRIP DETAIL



SUMMARY OF MEMBERS

MEMBER	Q'TY	REMARKS
REINFORCING BAR	21815kg	SD345
STUD	5237kg	SD345 FOR STUD WELDING
CONCRETE	35.45m ³	σ _{ck} =24N /mm ²
FORM	89.14 m ²	
DRAINAGE PIPE	4068kg	□ 150x80x4.5x600(STKR400)

NOTES:

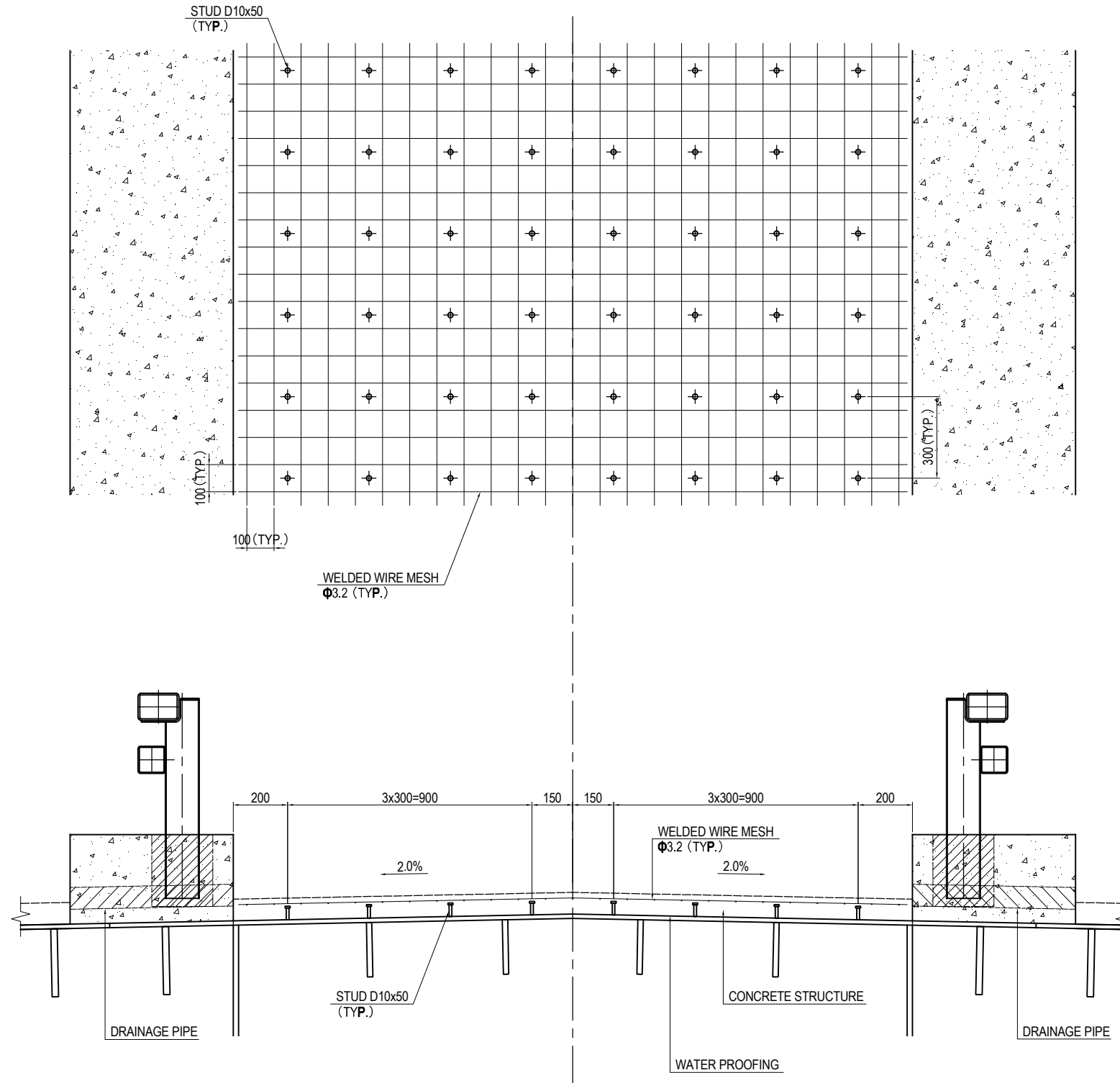
1 - STUD SHALL BE INSTALLED AND INCLUDED IN THE SCOPE OF FABRICATION OF STEEL GIRDER.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE BRIDGE SURFACE WORK (1)	PACKAGE
				PREPARED BY T. TOMODA				1
				CHECKED BY T. HAYAKAWA				DWG No.
				APPROVED BY Y. SANO				P1-CS-3054

BRIDGE SURFACE WORK (2) S=1:20

CONCRETE STRUCTURE

SYMM. ABT ϕ GIRDER



SUMMARY OF MEMBERS

MEMBER	Q'TY	REMARKS
CONCRETE	89.2m3	$\sigma_{ck}=24N/mm^2$
STUD	334kg	SD345 FOR STUD WELDING
WELDED WIRE MESH	1115 m2	ϕ 3.2
WATER PROOFING AT MEDIAN	1115 m2	

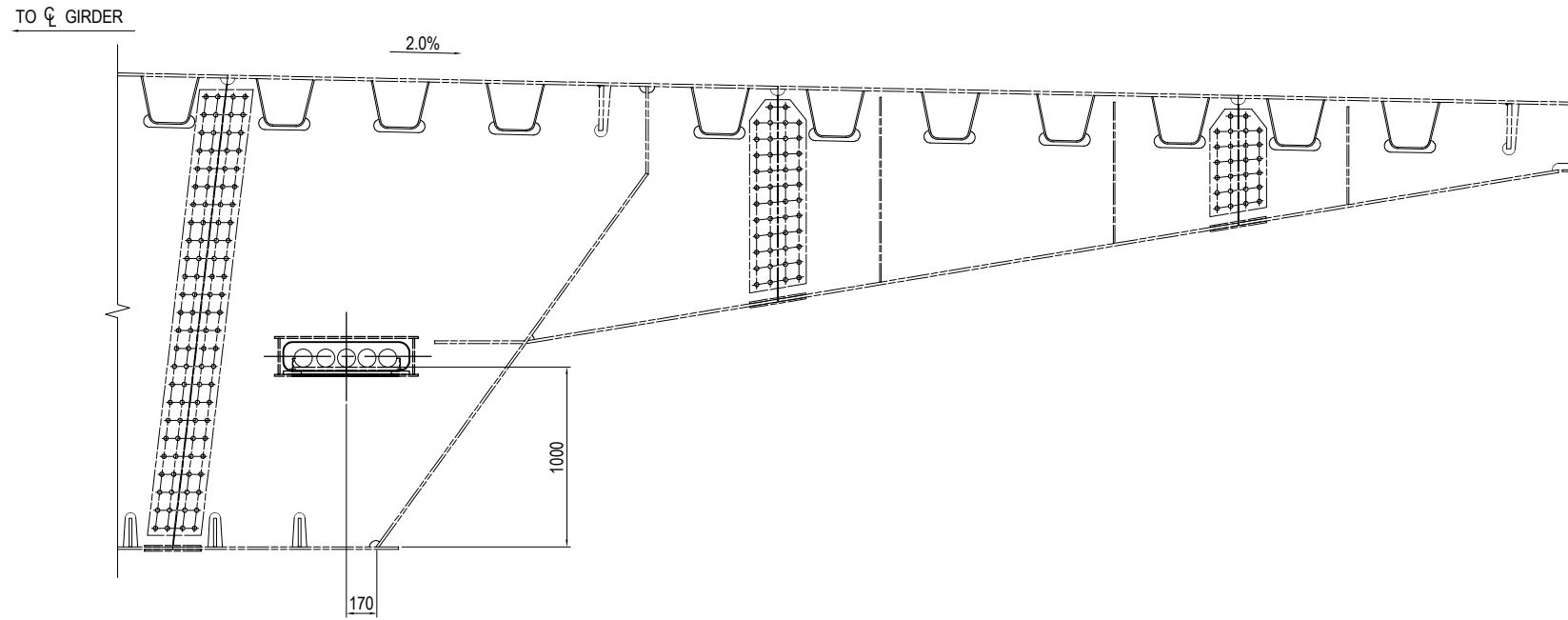
NOTES:

- 1 - DRAINAGE PIPE SHALL BE INSTALLED WHEN CONSTRUCTING CONCRETE CURB.
- 2 - STUD SHALL BE INSTALLED AND INCLUDED IN THE SCOPE OF FABRICATION OF STEEL GIRDER.

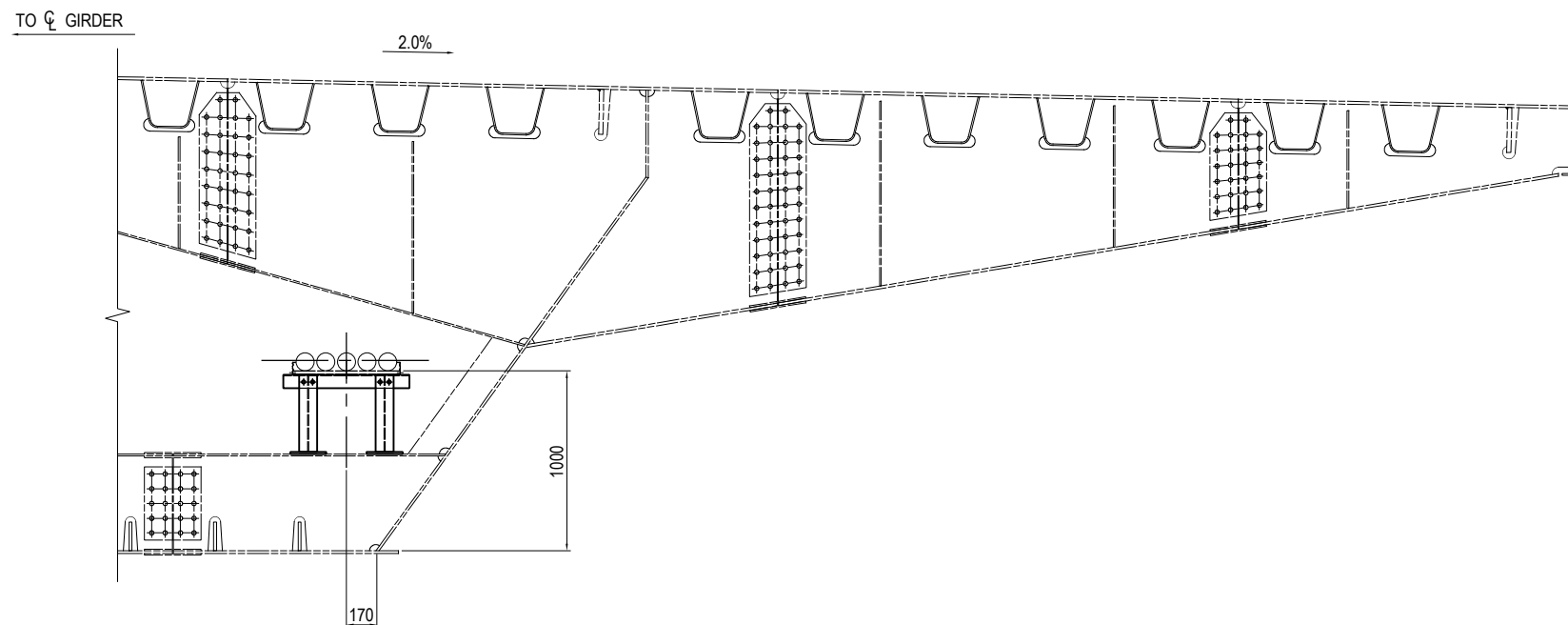
<small>PROJECT NAME</small> DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	<small>FINANCED BY</small> JAPAN INTERNATIONAL COOPERATION AGENCY	<small>COUNTERPART</small> REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	<small>JICA STUDY TEAM</small> NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%;">NAME</td> <td style="width: 20%;">SIGNATURE</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> <td></td> </tr> </table>		NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA			CHECKED BY	T. HAYAKAWA			APPROVED BY	Y. SANO			DRAWING TITLE BRIDGE SURFACE WORK (2)	PACKAGE 1 DWG No. P1-CS-3055
	NAME	SIGNATURE	DATE																			
PREPARED BY	T.TOMODA																					
CHECKED BY	T. HAYAKAWA																					
APPROVED BY	Y. SANO																					

CABLE RACK SUPPORT S=1:40

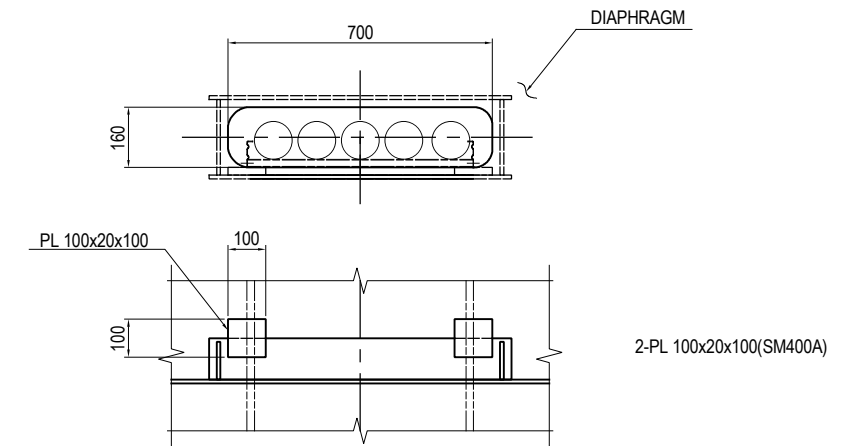
DIAPHRAGM & CROSS BEAM TYPICAL SECTION



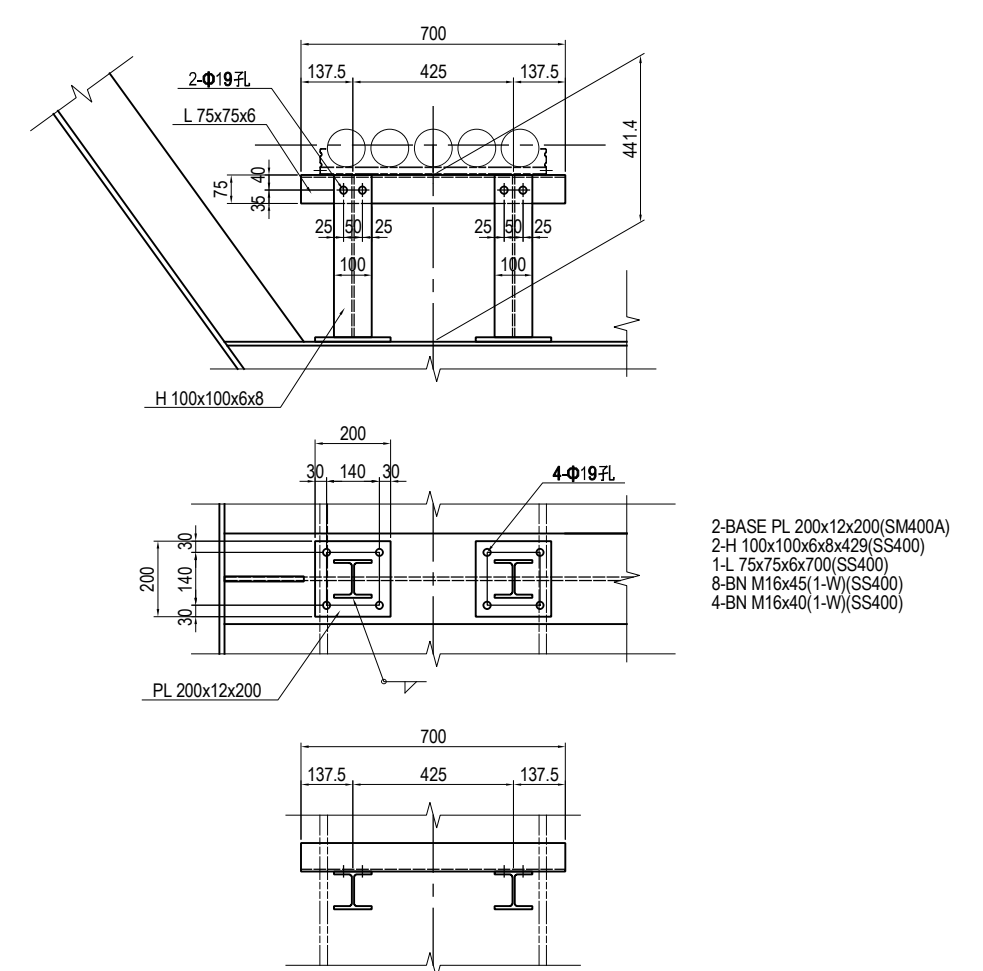
CROSSFRAME TYPICAL SECTION



DIAPHRAGM & CROSS BEAM S=1:20 (Q'ty = 106)



CROSSFRAME S=1:20 (Q'ty = 97)



NOTES:

- 1 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 2 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	T. TOMODA			CABLE RACK SUPPORT	1
				T. HAYAKAWA				DWG No.
				Y. SANO				P1-CS-3056

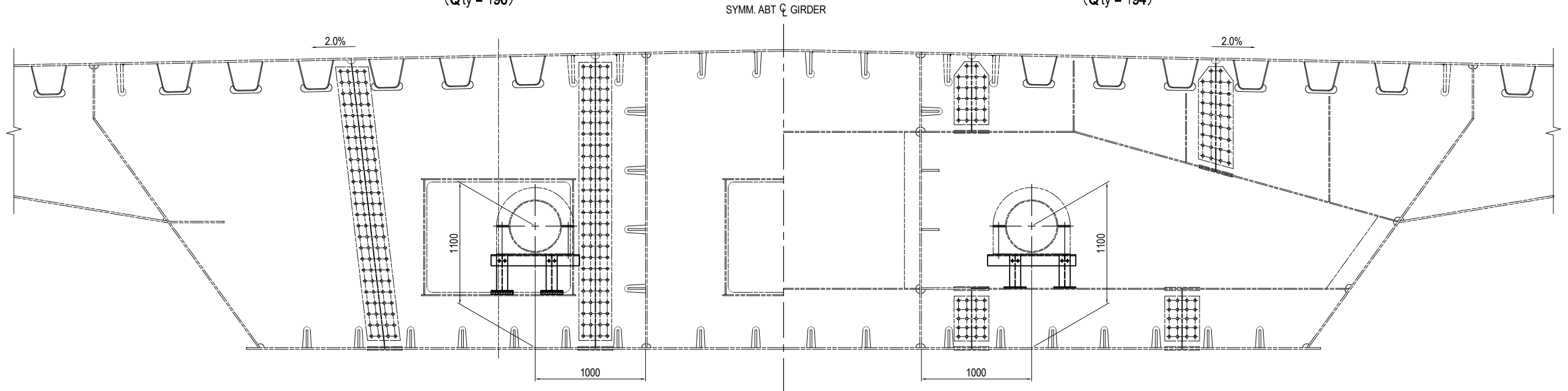
WATER PIPE SUPPORT (1) S=1:40

DIAPHRAGM HALF SECTION

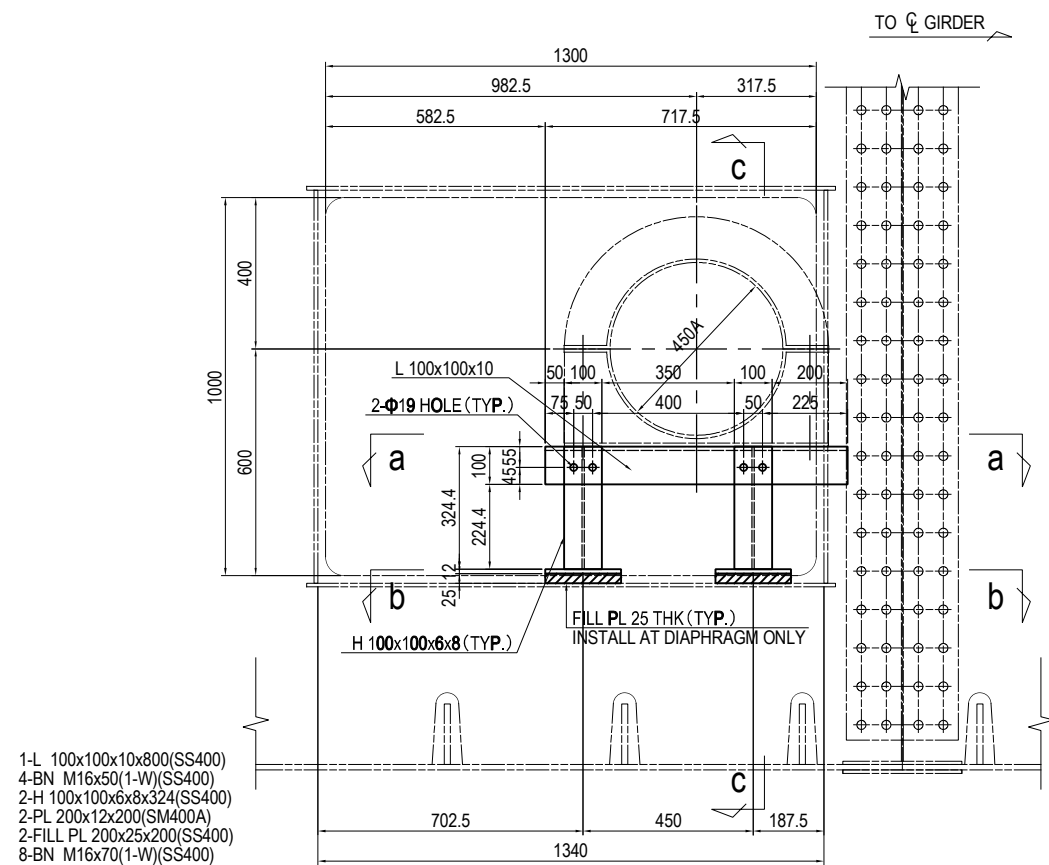
TYPICAL SECTION
(Qty = 196)

CROSSFRAME HALF SECTION

TYPICAL SECTION
(Qty = 194)

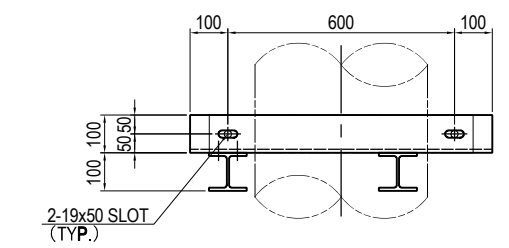


WATER PIPE SUPPORT DETAIL S=1:20

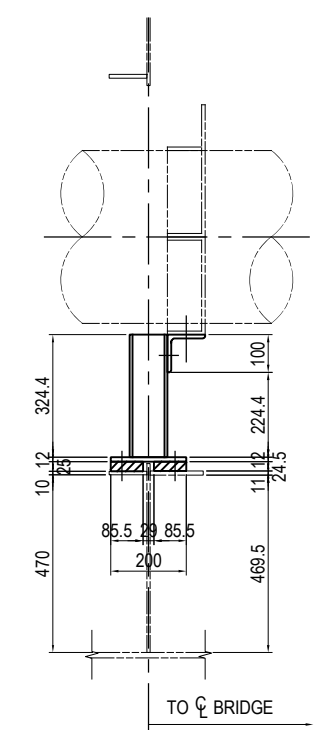


- 1-L 100x100x10x800(SS400)
- 4-BN M16x50(1-W)(SS400)
- 2-H 100x100x6x8x324(SS400)
- 2-PL 200x12x200(SM400A)
- 2-FILL PL 200x25x200(SS400)
- 8-BN M16x70(1-W)(SS400)

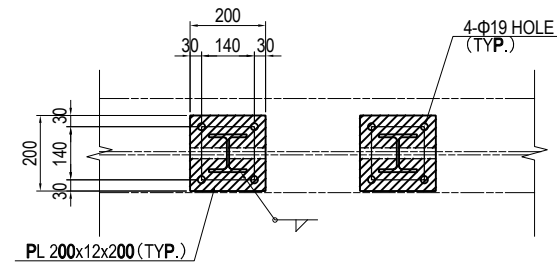
SECTION a-a S=1:20



SECTION c-c S=1:20



SECTION b-b S=1:20



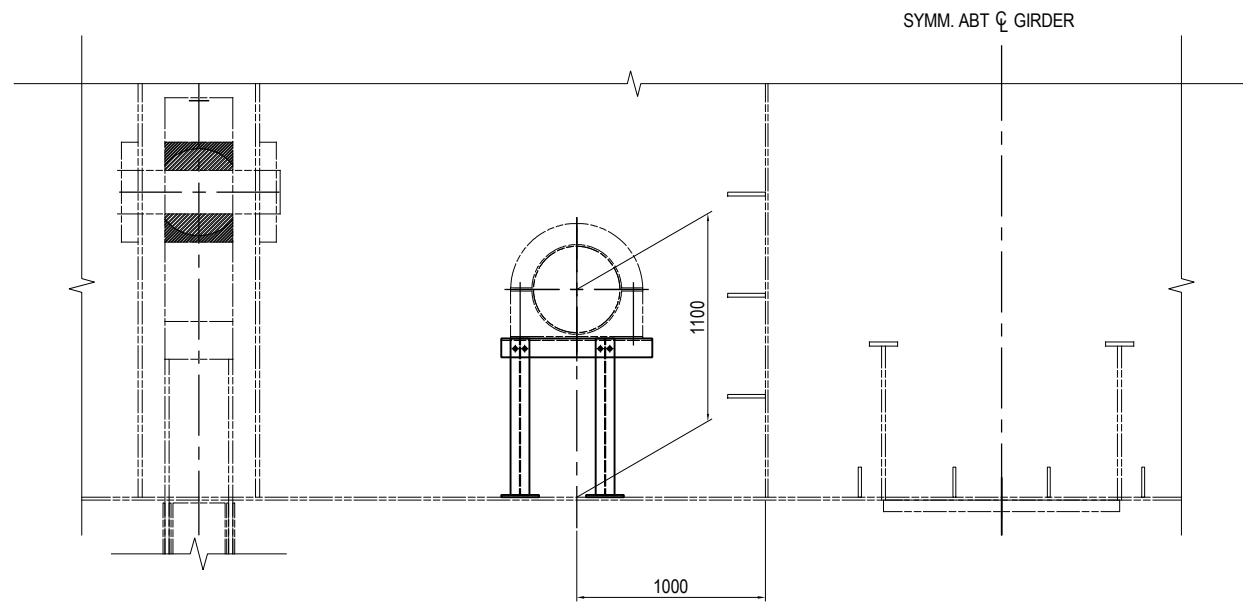
- NOTES:**
- FOR LOCATION SEE DWG NO. P1-CS-3031 TO 3033.
 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T.TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T.TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">WATER PIPE SUPPORT (1)</h2>	PACKAGE 1 DWG No. P1-CS-3057
NAME	SIGNATURE	DATE																
PREPARED BY	T.TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

WATER PIPE SUPPORT (2) S=1:40

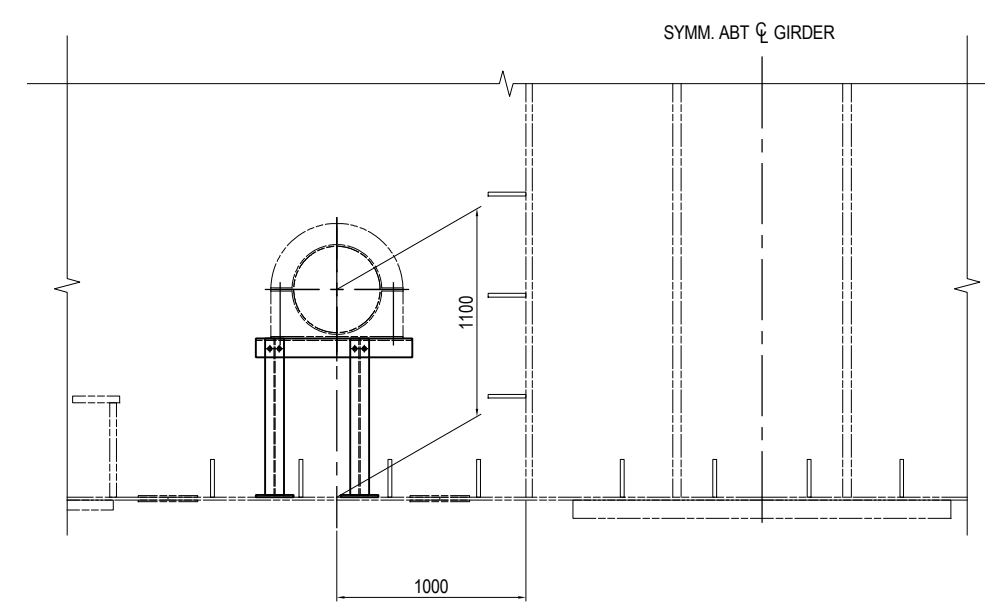
END CROSS BEAM SECTION

(Qty = 8)



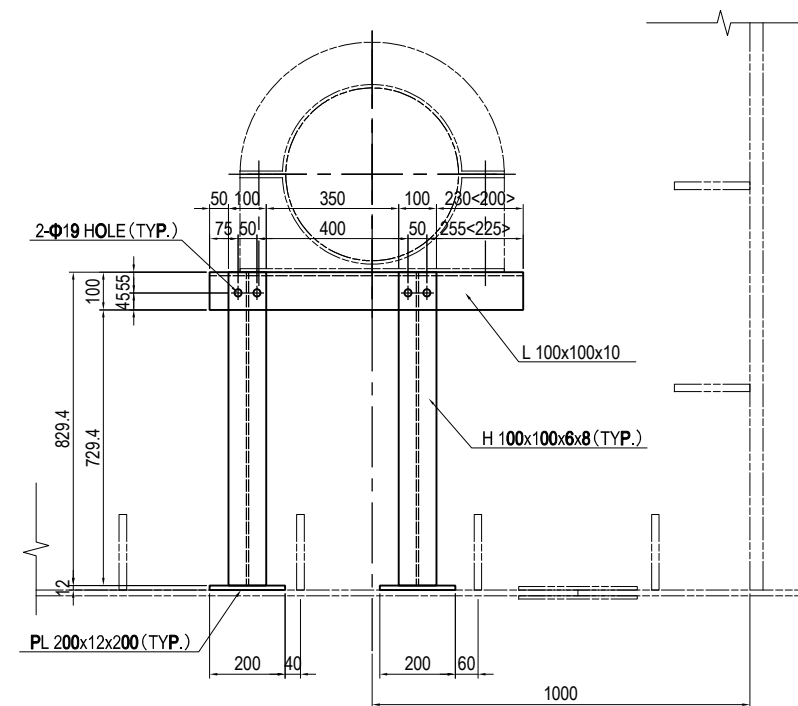
MIDDLE CROSS BEAM SECTION

(Qty = 8)



WATER PIPE SUPPORT DETAIL S=1:20

END CROSS BEAM <MIDDLE CROSS BEAM>



- 1-L 100x100x10x800<830>(SS400)
- 4-BN M16x50(1-W)(SS400)
- 2-H 100x100x6x8x829(SS400)
- 2-PL 200x12x200(SM400A)
- 8-BN M16x50(1-W)(SS400)

NOTES:

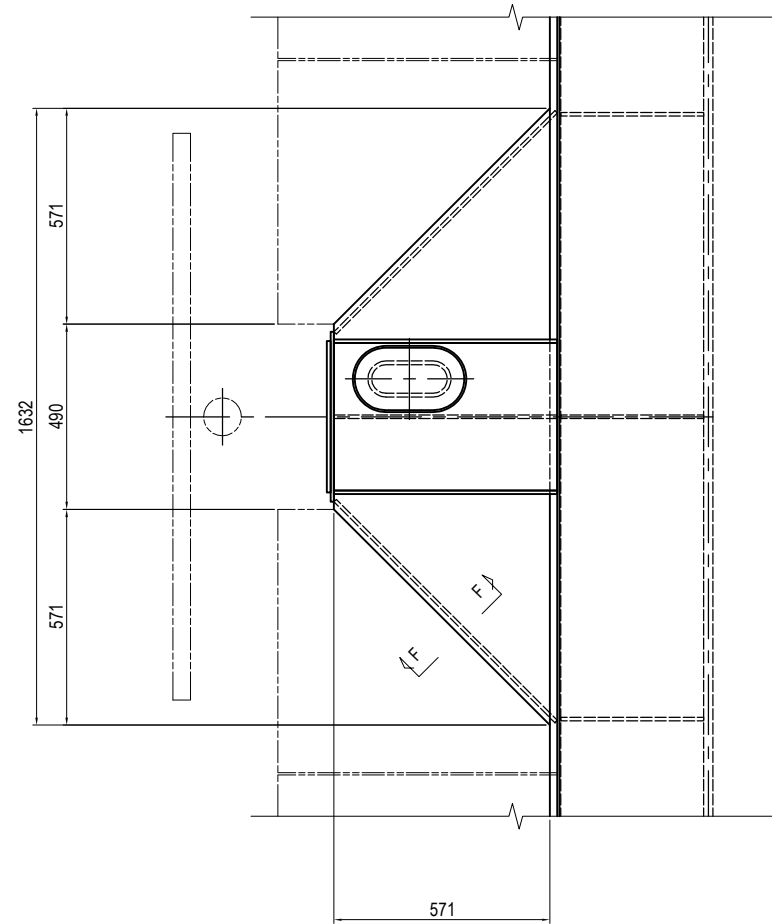
- 1 - UNLESS NOTED OTHERWISE, SEE DWG NO. P1-CS-3057.
- 2 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 3 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">NAME</th> <th style="width: 25%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> <tr> <td>PREPARED BY</td> <td>T. TOMODA</td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>T. HAYAKAWA</td> <td></td> </tr> <tr> <td>APPROVED BY</td> <td>Y. SANO</td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY	T. TOMODA		CHECKED BY	T. HAYAKAWA		APPROVED BY	Y. SANO		DRAWING TITLE <h2 style="text-align: center;">WATER PIPE SUPPORT (2)</h2>	PACKAGE 1 DWG No. P1-CS-3058
NAME	SIGNATURE	DATE																
PREPARED BY	T. TOMODA																	
CHECKED BY	T. HAYAKAWA																	
APPROVED BY	Y. SANO																	

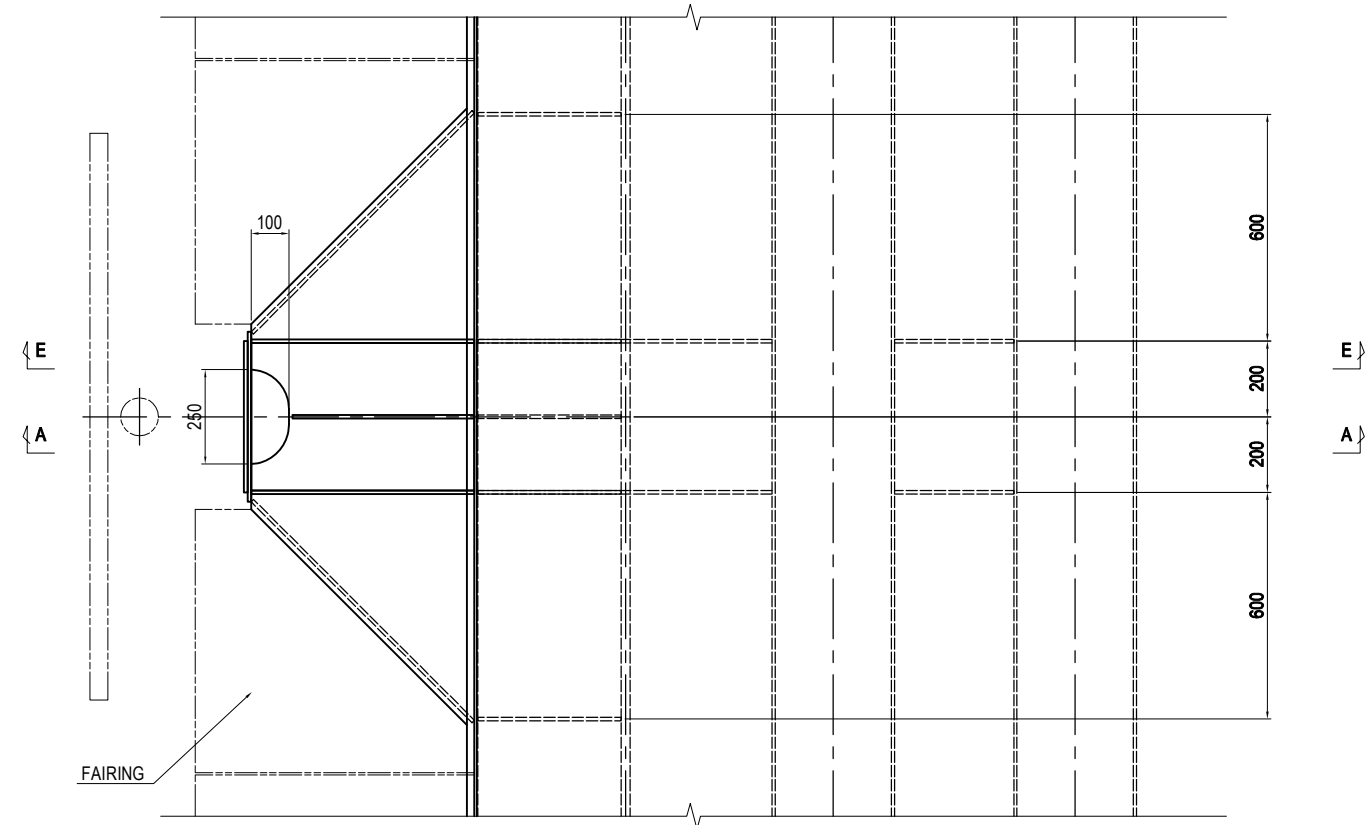
NAVIGATION SIGN & LIGHT (1)

S=1:20

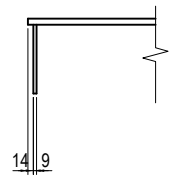
SECTION C-C



SECTION D-D



SECTION F-F



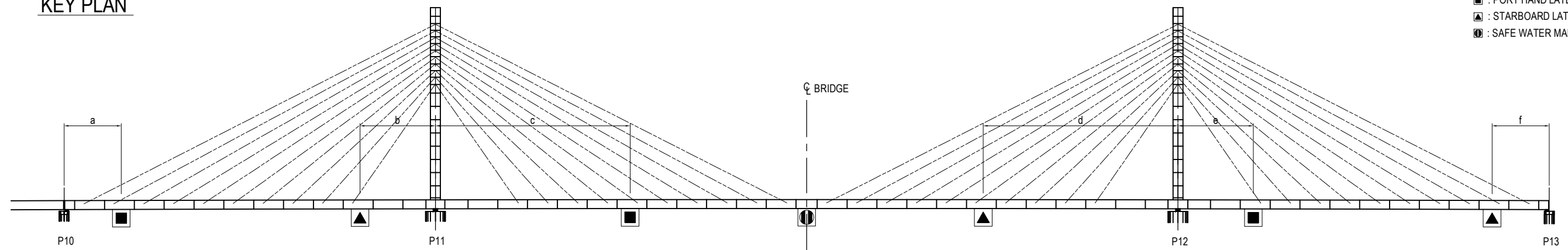
NOTES:

- 1 - SEE THE ELECTRICAL DRAWING FOR DETAILS ON NAVIGATION LIGHTS.

LEGENDS:

- : PORT HAND LATERAL MARK
- ▲ : STARBOARD LATERAL MARK
- ⊙ : SAFE WATER MARK

KEY PLAN

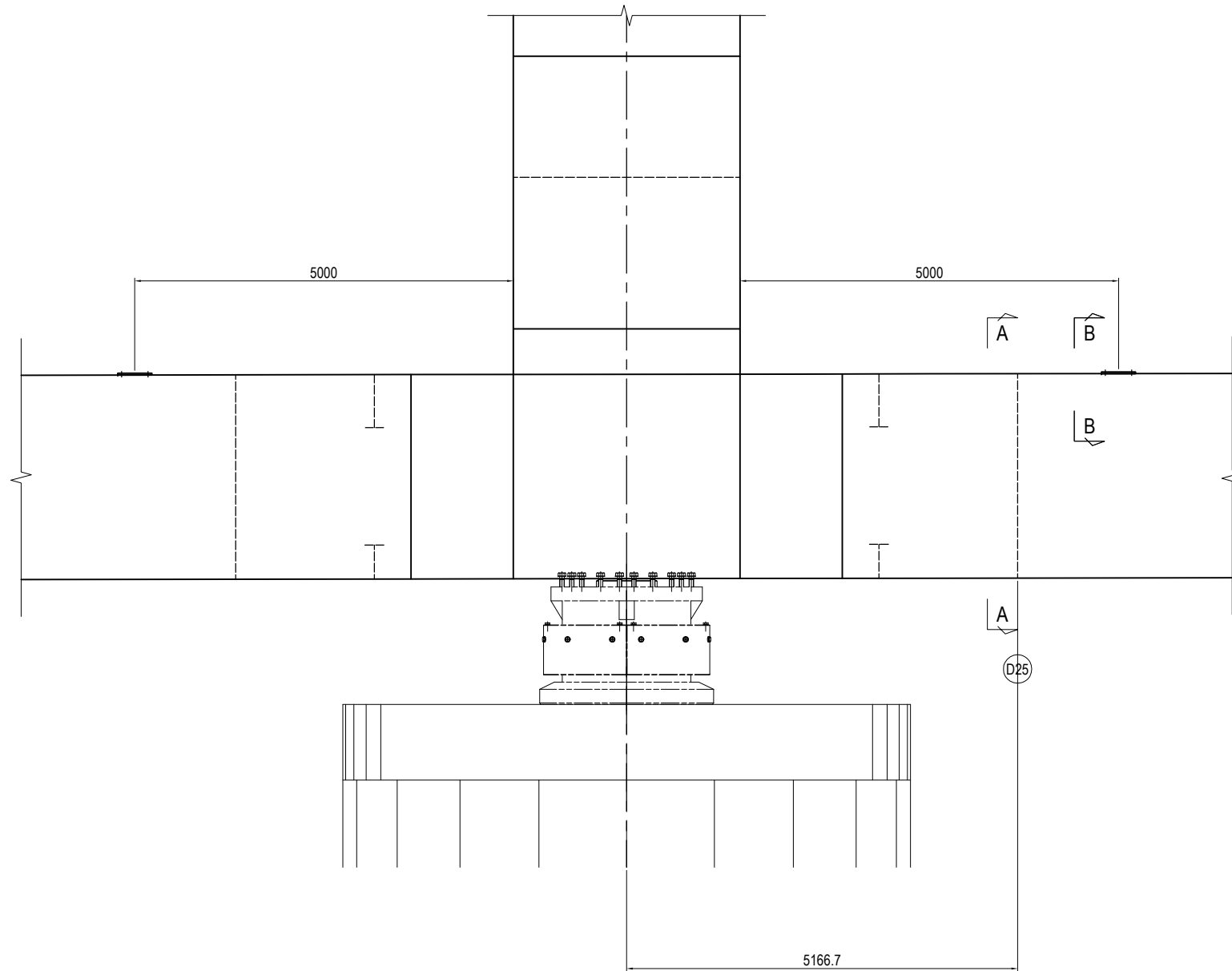


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE NAVIGATION SIGN & LIGHT (1)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3059

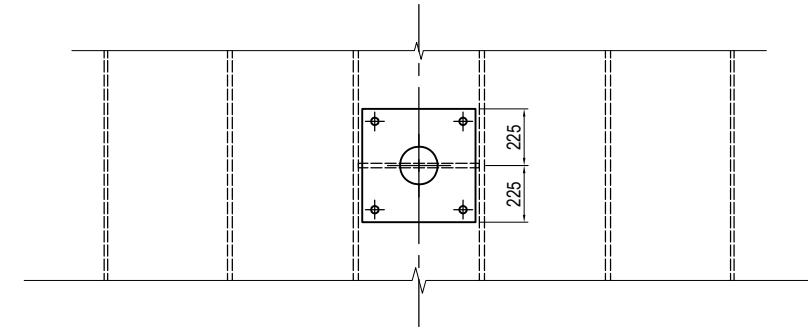
LIGHT-UP SYSTEM (1)

S=1:80

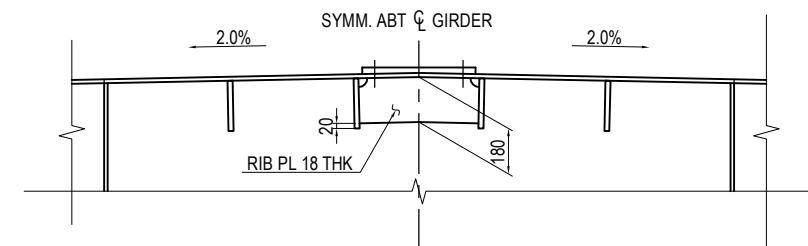
FOR MAIN TOWER



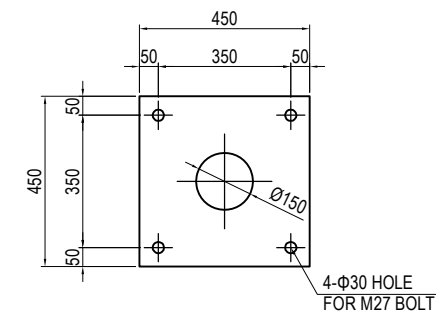
PLAN VIEW FOR TOP OF DECK PL S=1:30



SECTION B-B S=1:30

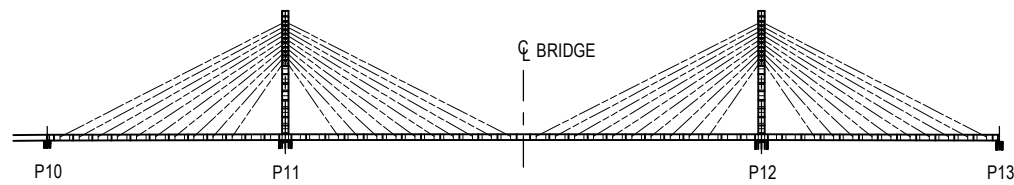


BASE PL S=1:20



1-BASE PL 450x27x450(SM400A)
1-RIB PL 180x18x480(SM400A)

KEY PLAN



NOTES:

- 1 - SEE THE ELECTRICAL DRAWING FOR DETAILS ON LIGHT-UP SYSTEM.
- 2 - ADJUST VARIOUS FORMS OF THE BASE PL ACCORDING TO THE ELECTRICAL EQUIPMENT INSTALLED.

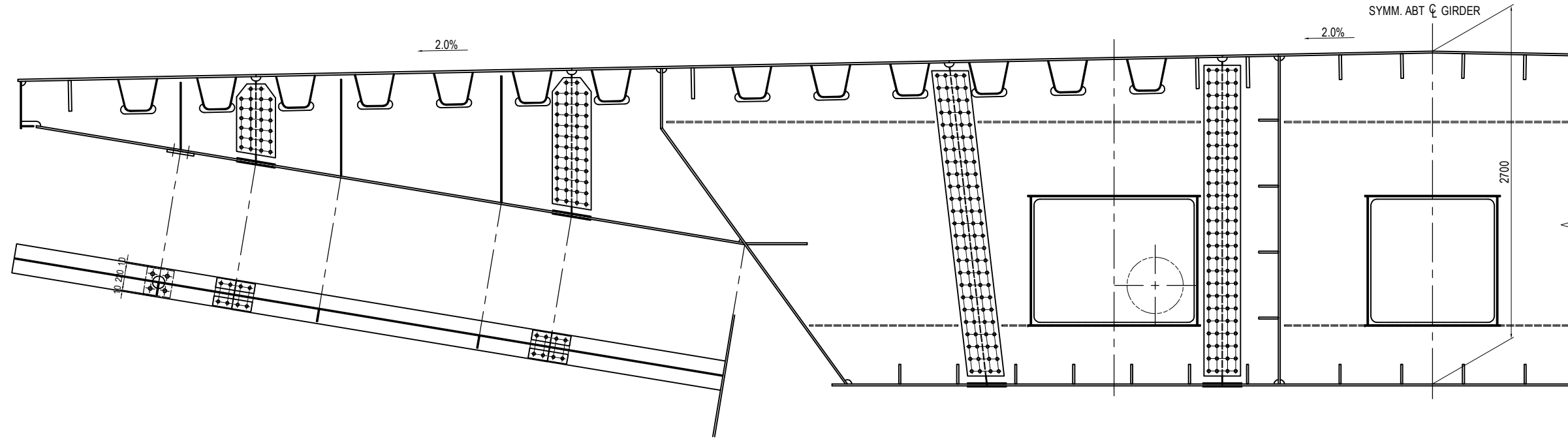
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE LIGHT-UP SYSTEM (1)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3061

LIGHT-UP SYSTEM (2)

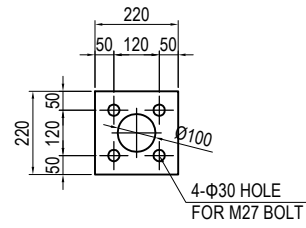
S=1:40

FOR PIER

SECTION A-A DIAPHRAGM D25



BASE PL S=1:20



1-BASE PL 220x22x220(SM400A)

NOTES:

- 1 - SEE THE ELECTRICAL DRAWING FOR DETAILS ON LIGHT-UP SYSTEM.
- 2 - ADJUST VARIOUS FORMS OF THE BASE PL ACCORDING TO THE ELECTRICAL EQUIPMENT INSTALLED.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE		
				PREPARED BY	T.TOMODA				LIGHT-UP SYSTEM (2)	1
				CHECKED BY	T. HAYAKAWA					DWG No.
				APPROVED BY	Y. SANO					P1-CS-3062

MAIN TOWER ANCILLARY WORKS LAYOUT S=1:300

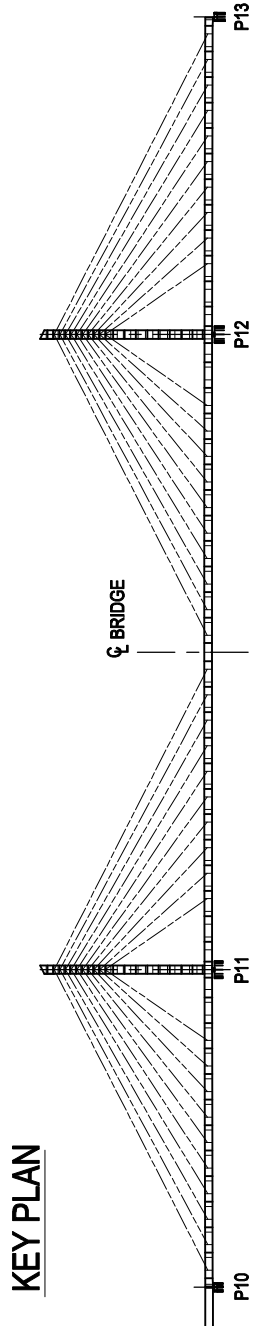
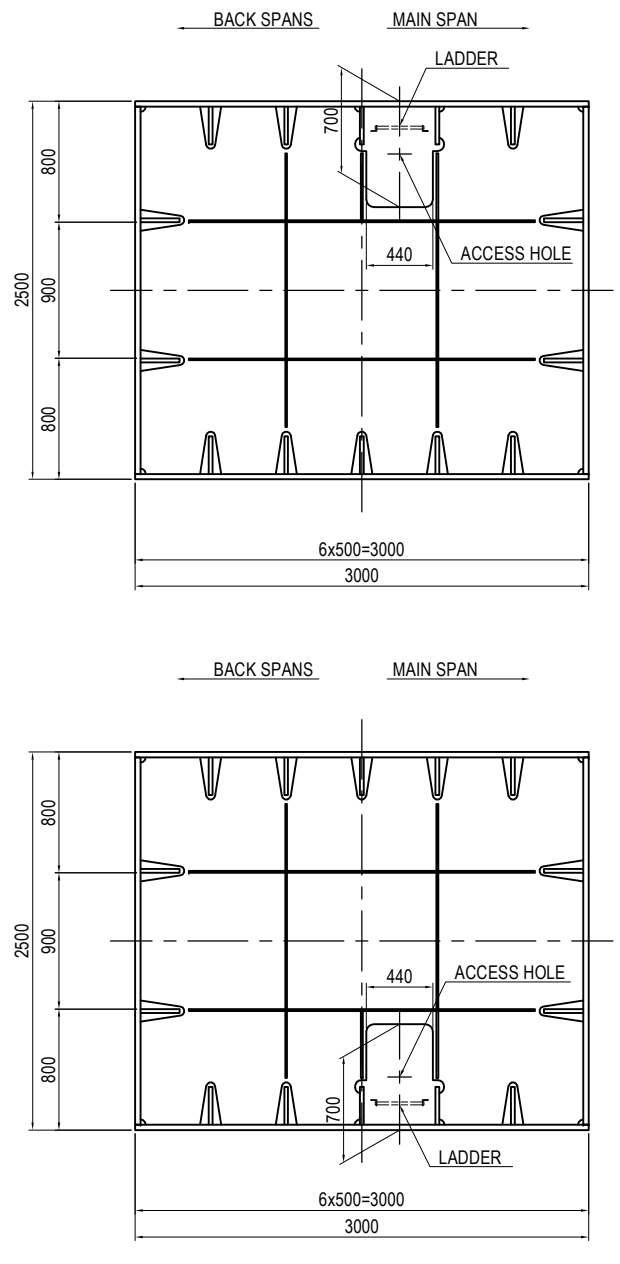
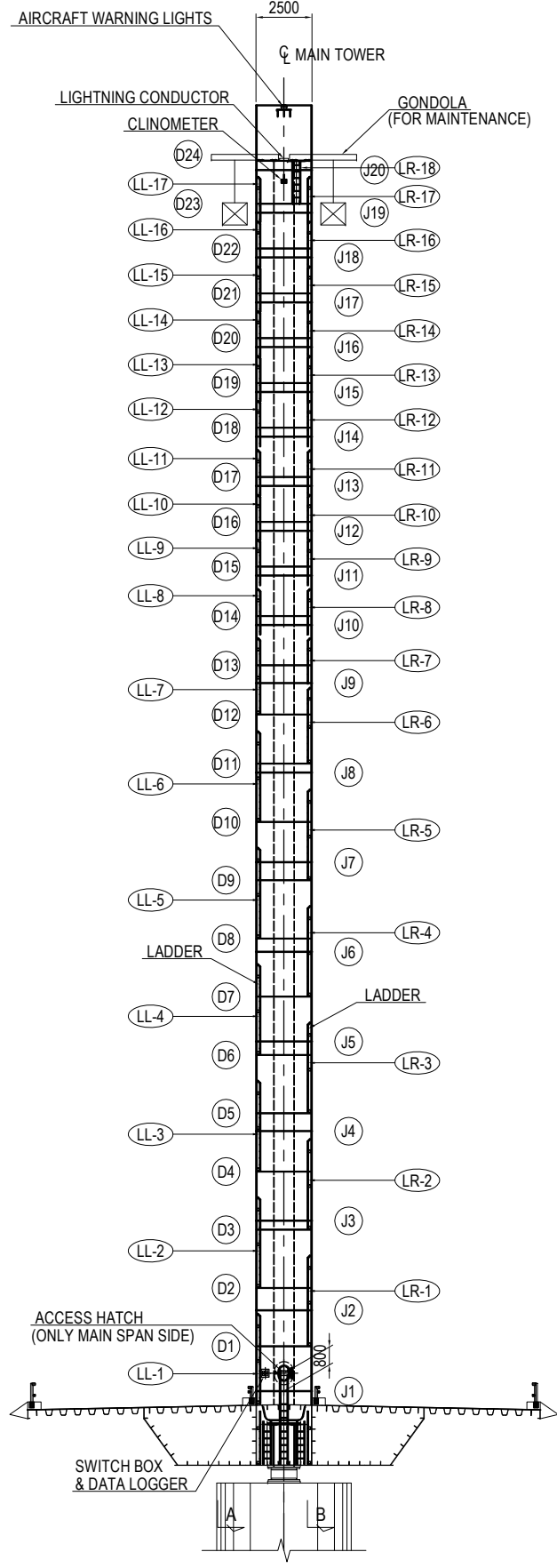
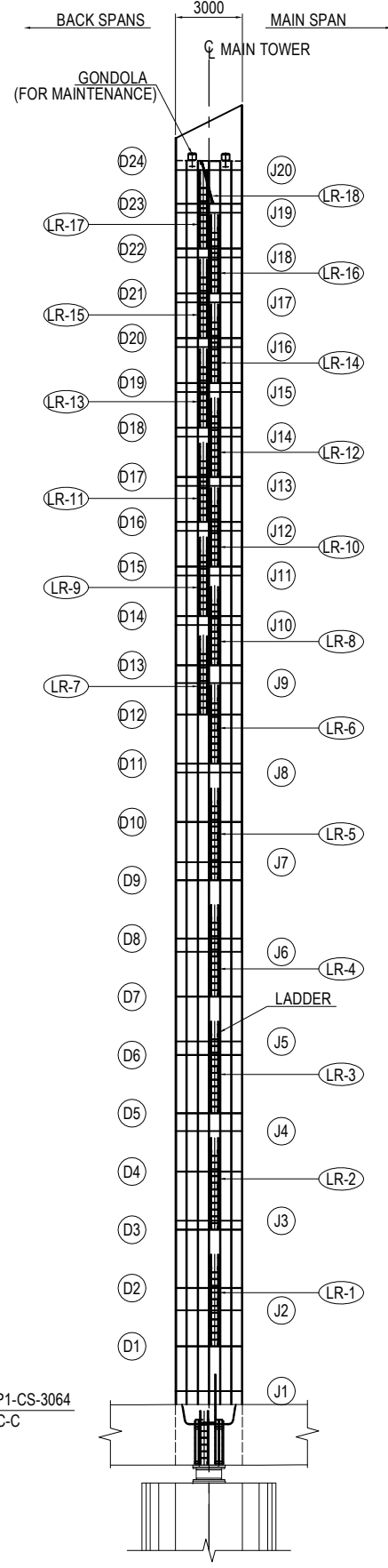
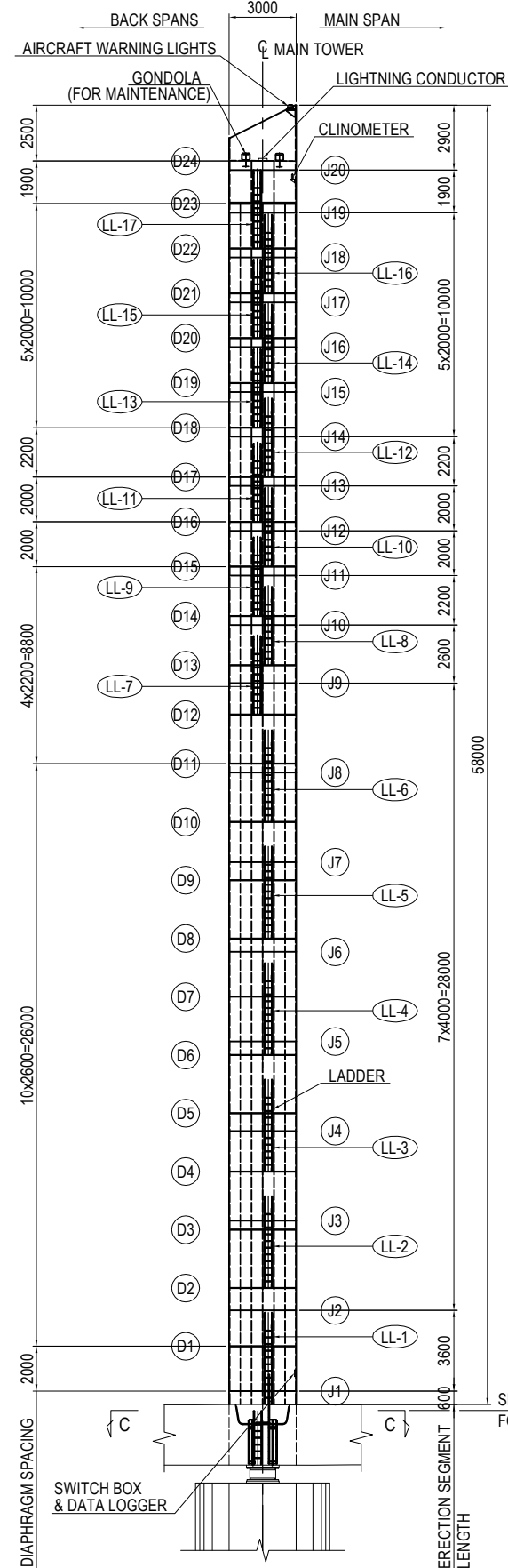
SIDE ELEVATION

FRONT ELEVATION

SECTION A-A

SECTION B-B

TYPICAL DIAPHRAGM S=1:50



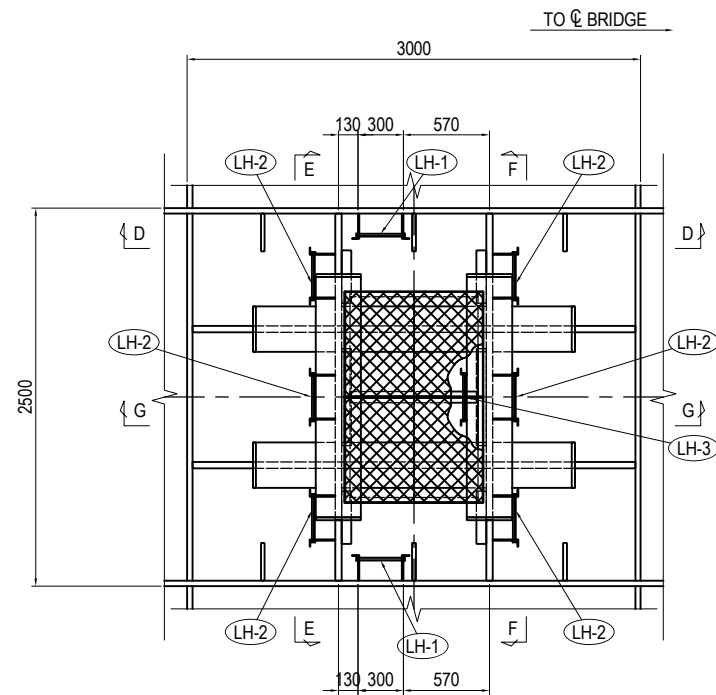
- NOTES:**
- 1 - MAIN TOWER P11 SHOWN, MAIN TOWER P12 SIMILAR OPPOSITE HAND.
 - 2 - INSTALL A DATA LOGGER AT THE BASE OF MAIN TOWER.
 - 3 - ANCILLARIES SHOWN ON SECTION A-A.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NAME</th> <th style="width: 10%;">SIGNATURE</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>PREPARED BY T.TOMODA</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td></td> </tr> </table>	NAME	SIGNATURE	DATE	PREPARED BY T.TOMODA			CHECKED BY T. HAYAKAWA			APPROVED BY Y. SANO			DRAWING TITLE <h2 style="text-align: center;">MAIN TOWER ANCILLARY WORKS LAYOUT</h2>	PACKAGE 1 DWG No. P1-CS-3063
NAME	SIGNATURE	DATE																
PREPARED BY T.TOMODA																		
CHECKED BY T. HAYAKAWA																		
APPROVED BY Y. SANO																		

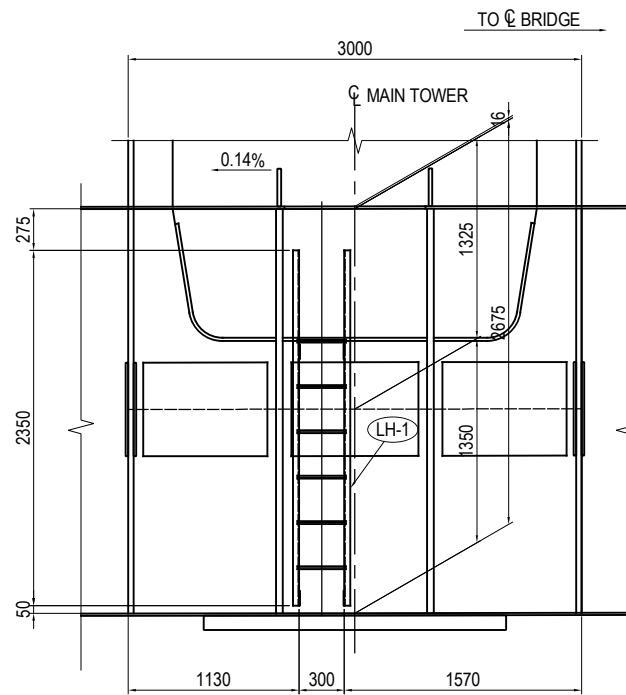
LADDER (1)

S=1:50

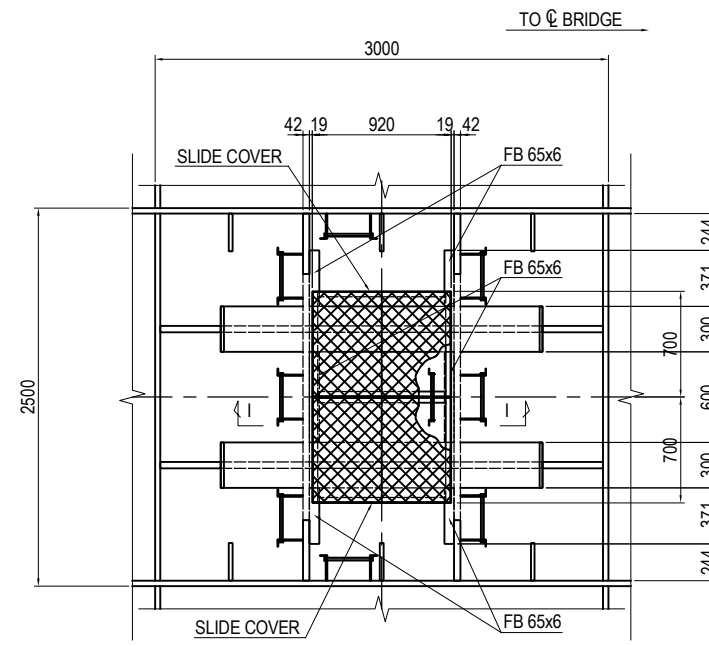
SECTION C-C



SECTION D-D

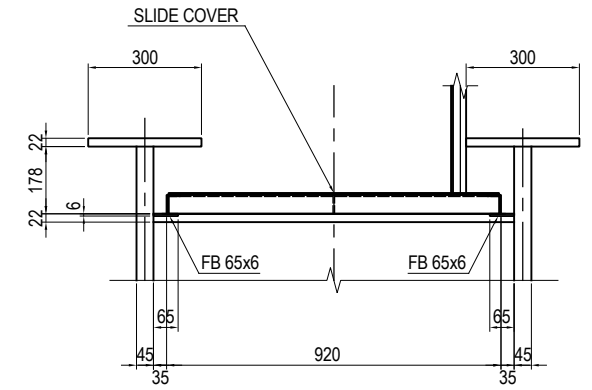


SECTION H-H

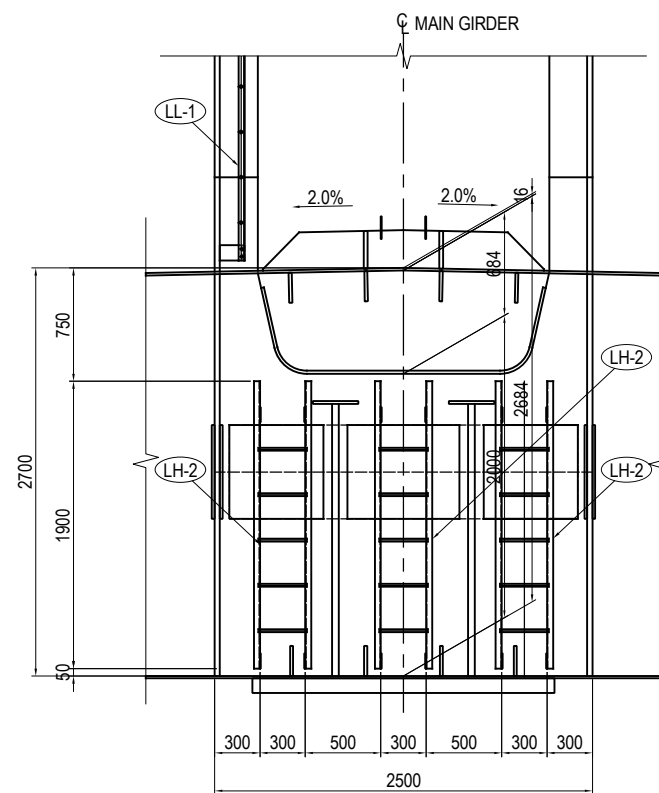


2-FB 65x6x600(SS400)
4-FB 65x6x371(SS400)

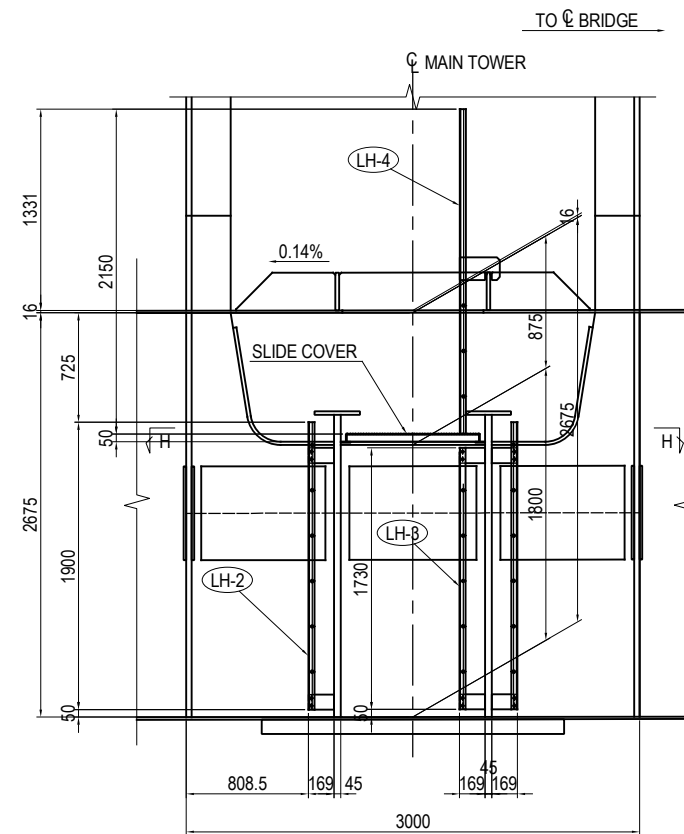
SECTION I-I S=1:20



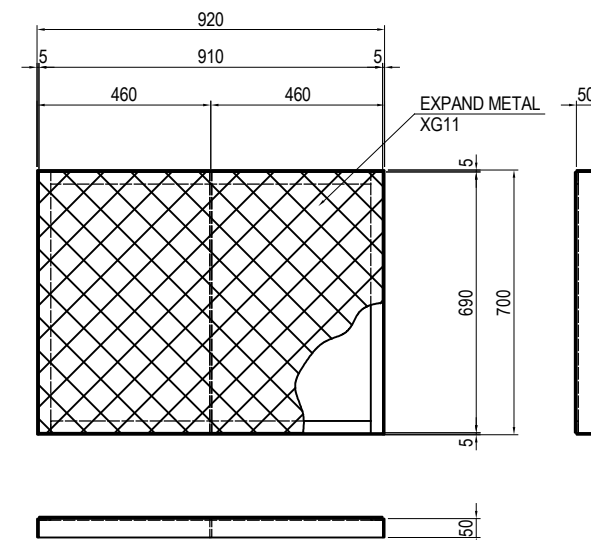
SECTION E-E(F-F)



SECTION G-G



SLIDE COVER DETAIL S=1:20



1-EX 690x910(XG11)
2-FB 50x4.5x911(SS400)
2-FB 50x4.5x700(SS400)
1-FB 50x4.5x691(SS400)
2-FB 32x4.5x847(SS400)
2-FB 32x4.5x691(SS400)

NOTES:

- THIS DWG WORKS WITH DWG NO. P1-CS-3063.
- HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

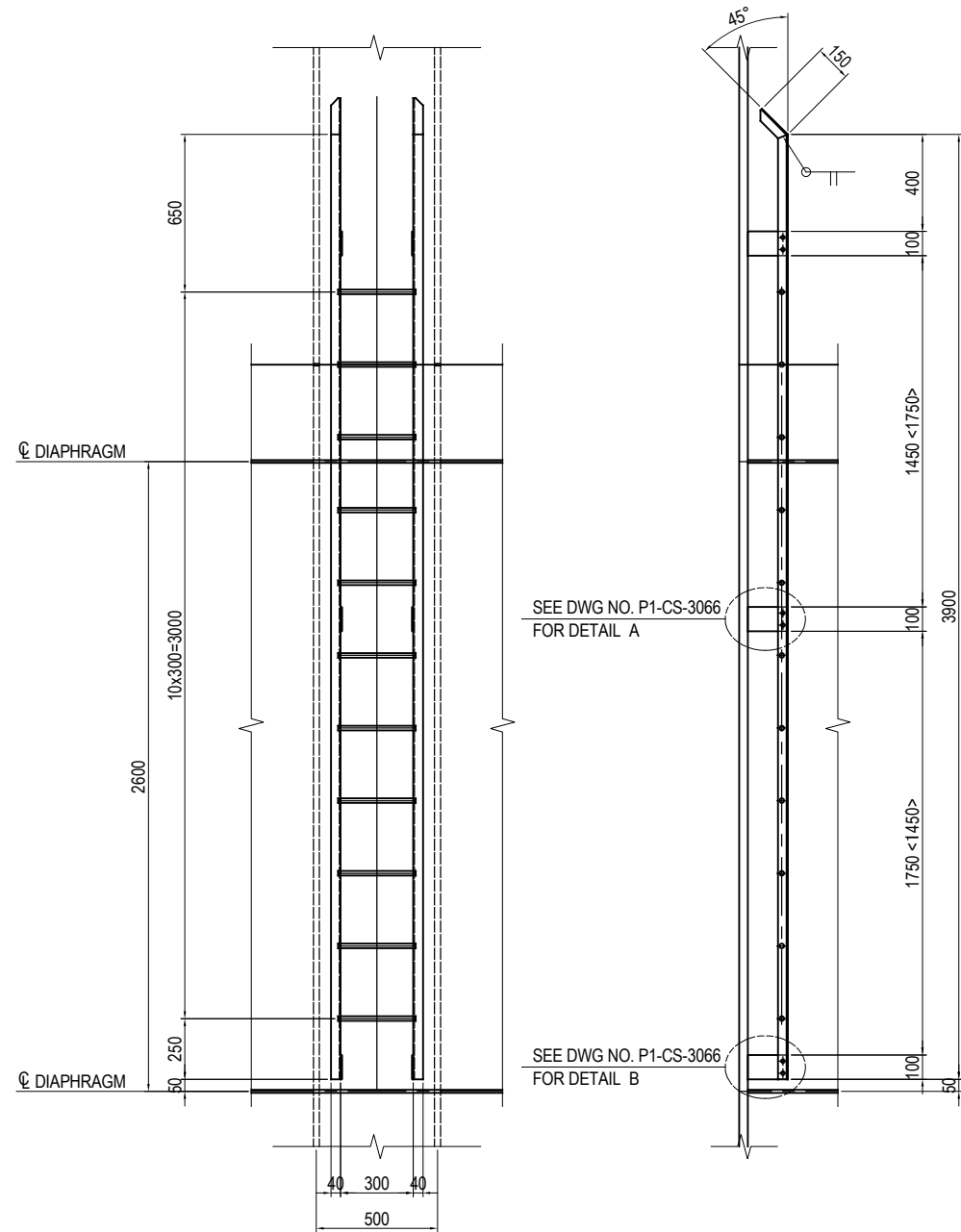
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE LADDER (1)	PACKAGE
				PREPARED BY T. TOMODA				DWG No. P1-CS-3064
				CHECKED BY T. HAYAKAWA				
				APPROVED BY Y. SANO				

LADDER (2)

S=1:30

LADDER DETAIL

LL-1 - LL-6
LR-1 - LR-3, LR-5 & LR-4



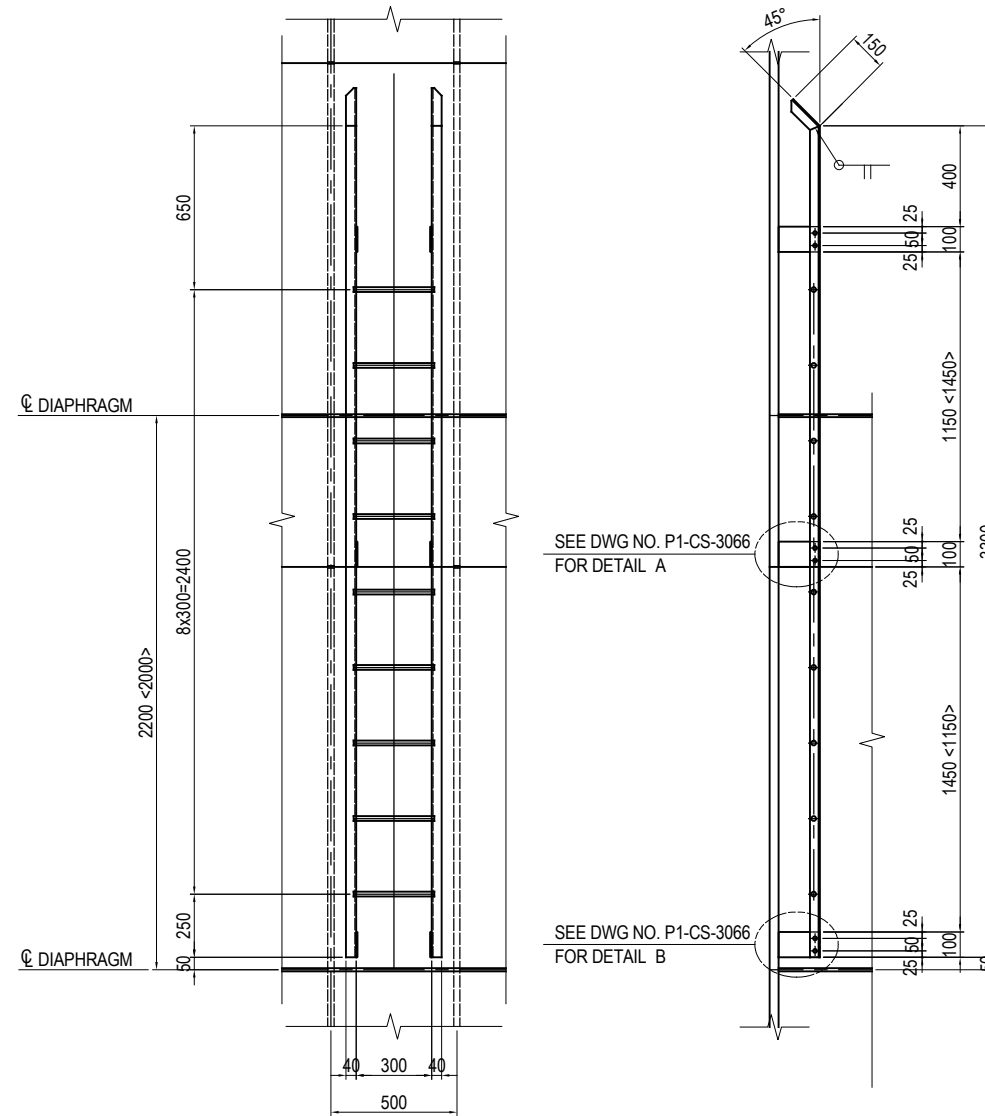
LL-1 - LL-6
LR-1 - LR-3, LR-5 & LR-4

(Q'ty=10)
2-L 40x40x5x3900(SS400)
2-L 40x40x5x150(SS400)
11-RB ϕ 19x320(SS400)
6-PL 100x9x165(SS400)
12-B.N M12x35(1-W,1-Unut)(SS400)

(Q'ty=1)
2-L 40x40x5x3900(SS400)
2-L 40x40x5x150(SS400)
11-RB ϕ 19x320(SS400)
4-PL 100x9x165(SS400)
2-PL 100x9x160(SS400)
12-B.N M12x35(1-W)(SS400)

LADDER DETAIL

LL-7 - LL-9 & LL-12
LR-6 - LR-9 & LR-12
< LL-10, LL-11 & LL-13 - LL-17 >
< LR-10, LR-11 & LR-13 - LR-17 >



(Q'ty=9 <14>)
2-L 40x40x5x3300(SS400)
2-L 40x40x5x150(SS400)
9-RB ϕ 19x320(SS400)
6-PL 100x9x165(SS400)
12-B.N M12x35(1-W,1-Unut)(SS400)

NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-3063.
- 2 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 3 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

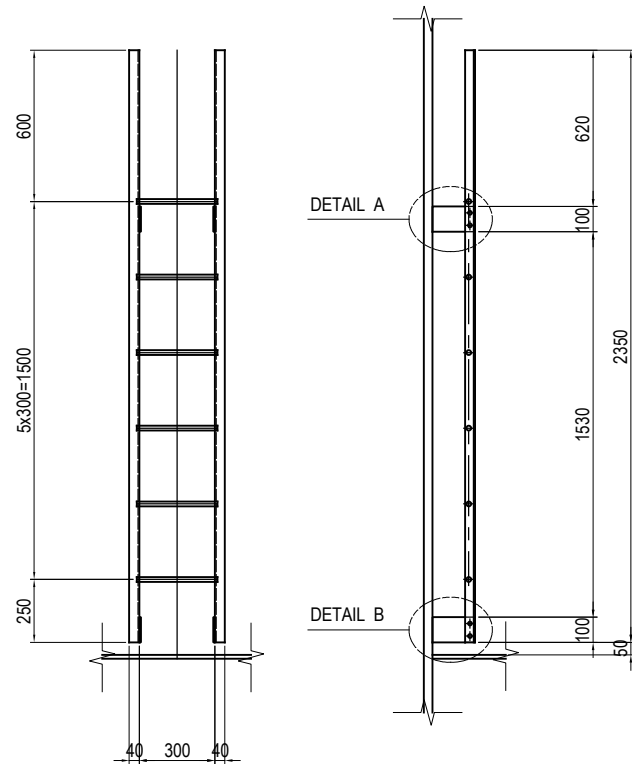
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY jica JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE LADDER (2)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3065

LADDER (3)

S=1:30

LADDER DETAIL

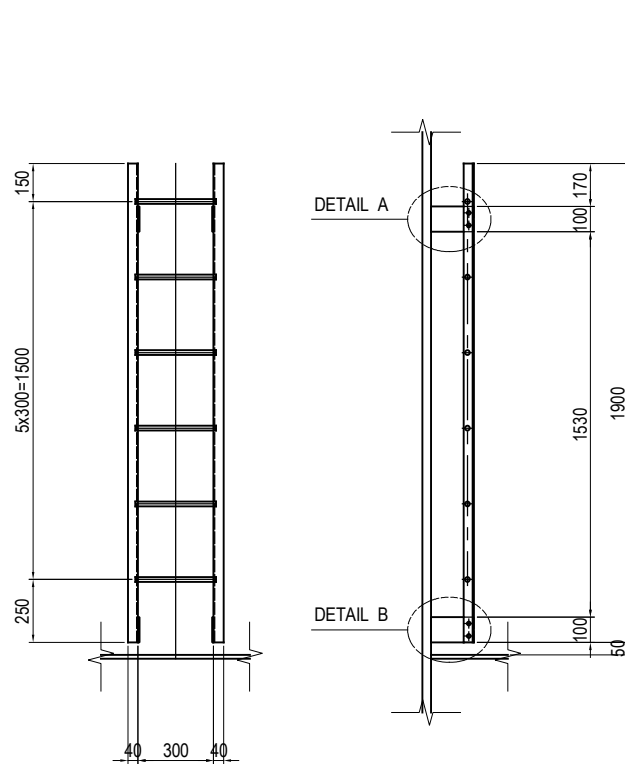
(LH-1)



(Qty=2)
 2-L 40x40x5x2350(SS400)
 6-RB ϕ 19x320(SS400)
 4-PL 100x9x165(SS400)
 8-B.N M12x35(1-W,1-UNut)(SS400)

LADDER DETAIL

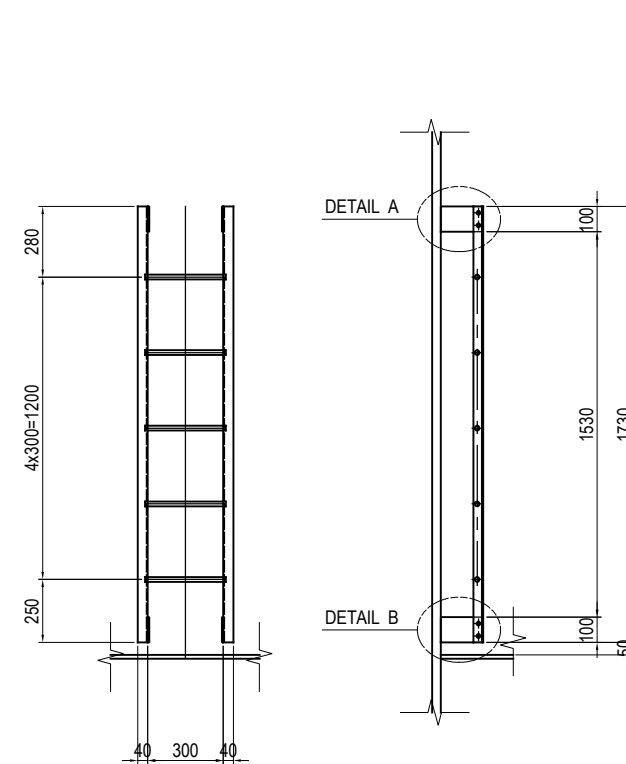
(LH-2)



(Qty=6)
 2-L 40x40x5x1900(SS400)
 6-RB ϕ 19x320(SS400)
 4-PL 100x9x165(SS400)
 8-B.N M12x35(1-W,1-UNut)(SS400)

LADDER DETAIL

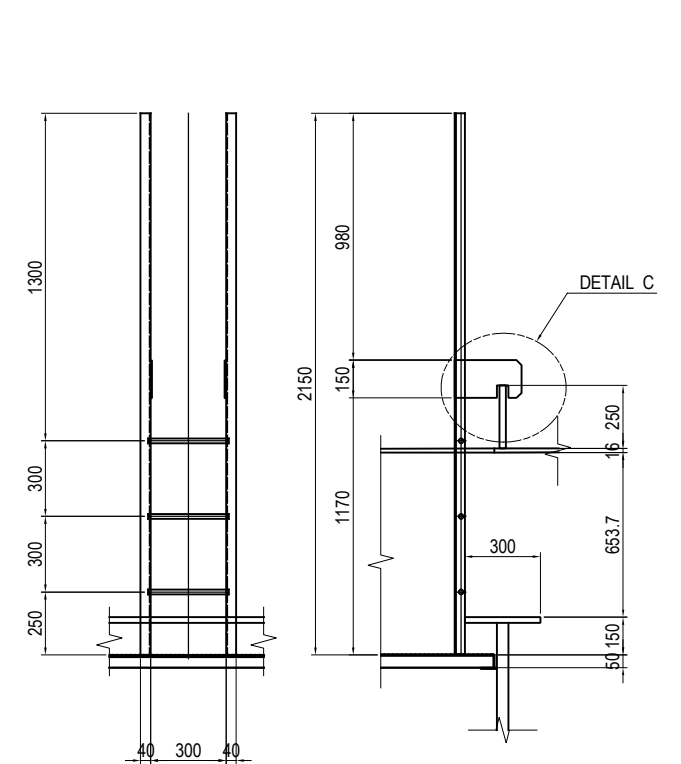
(LH-3)



(Qty=1)
 2-L 40x40x5x1730(SS400)
 5-RB ϕ 19x320(SS400)
 4-PL 100x9x165(SS400)
 8-B.N M12x35(1-W,1-UNut)(SS400)

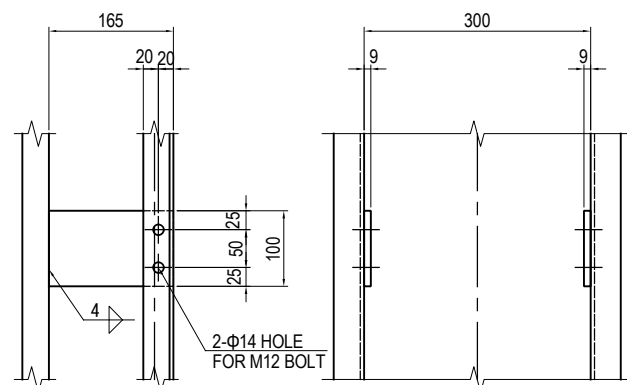
LADDER DETAIL

(LH-4)

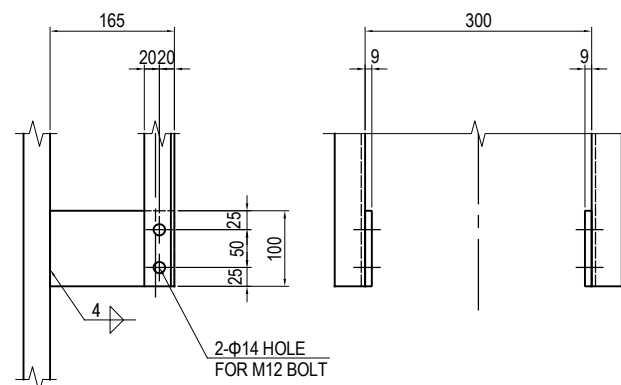


(Qty=1)
 2-L 40x40x5x2150(SS400)
 3-RB ϕ 19x320(SS400)
 2-PL 150x6x265(SS400)

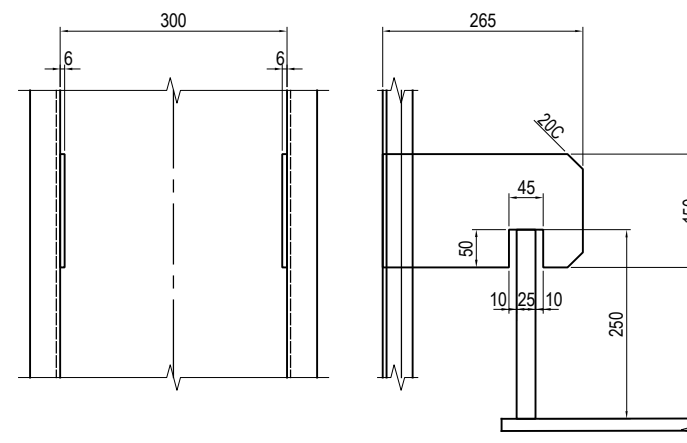
DETAIL A S=1:10



DETAIL B S=1:10



DETAIL C S=1:10



NOTES:

- THIS DWG WORKS WITH DWG NO. P1-CS-3063.
- HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

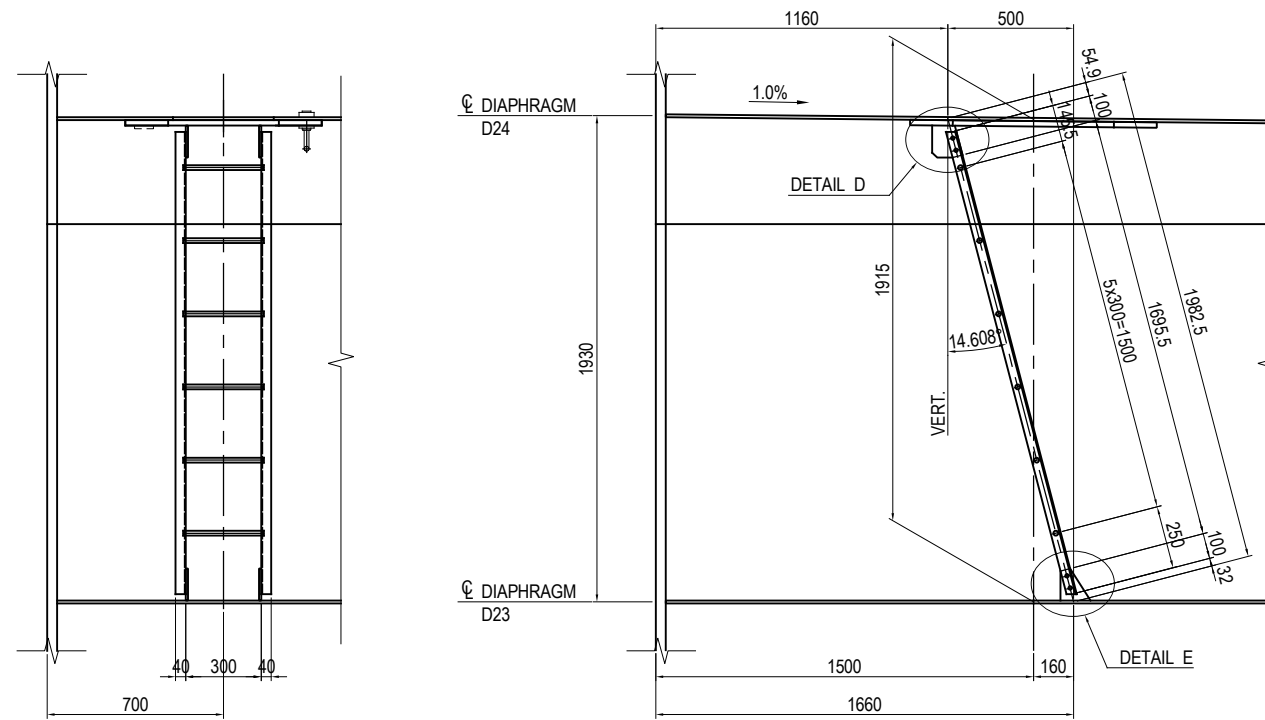
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE LADDER (3)	PACKAGE
				PREPARED BY	T. TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3066

LADDER (4)

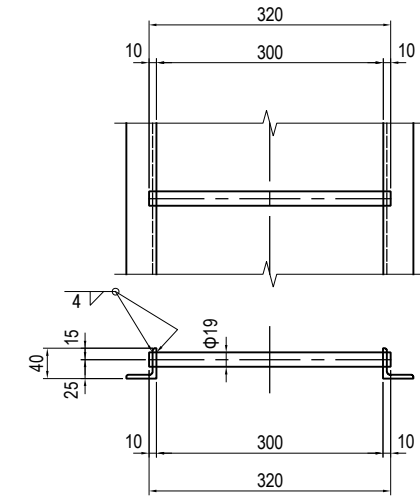
S=1:30

LADDER DETAIL

(LR-18)

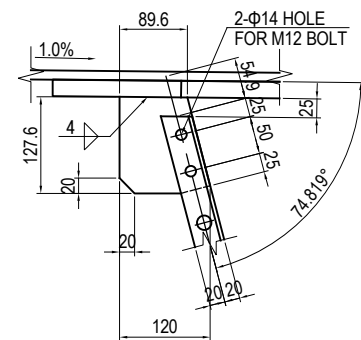


LADDER STEP DETAIL S=1:10

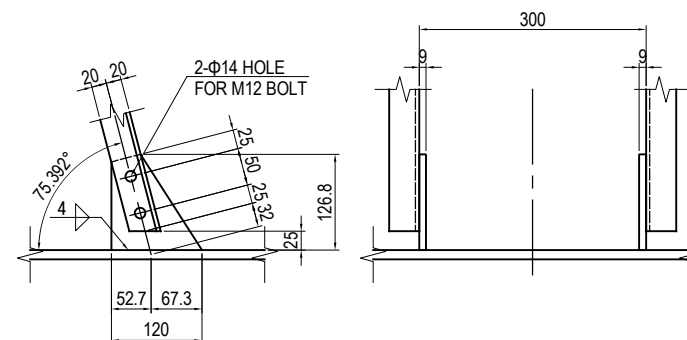


- (Q'ty=1)
 2-L 40x40x5x1906(SS400)
 6-RB ϕ 19x320(SS400)
 2-PL 120x9x128(SS400)
 2-PL 120x9x127(SS400)
 8-B.N M12x35(1-W, 1-UNut)(SS400)

DETAIL D S=1:10



DETAIL E S=1:10



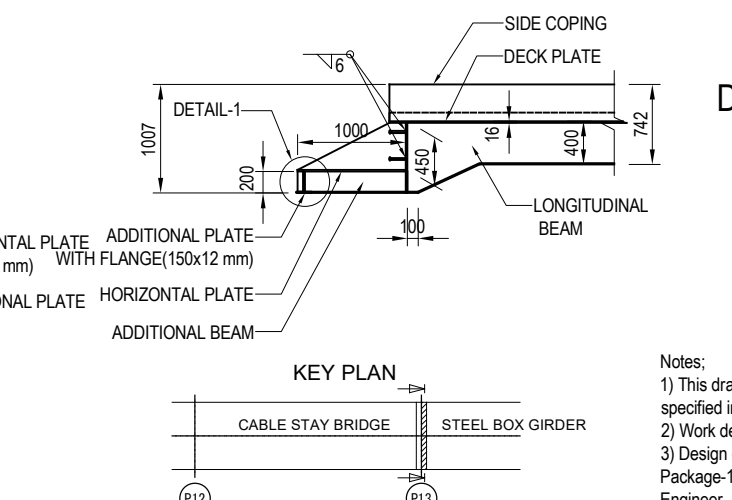
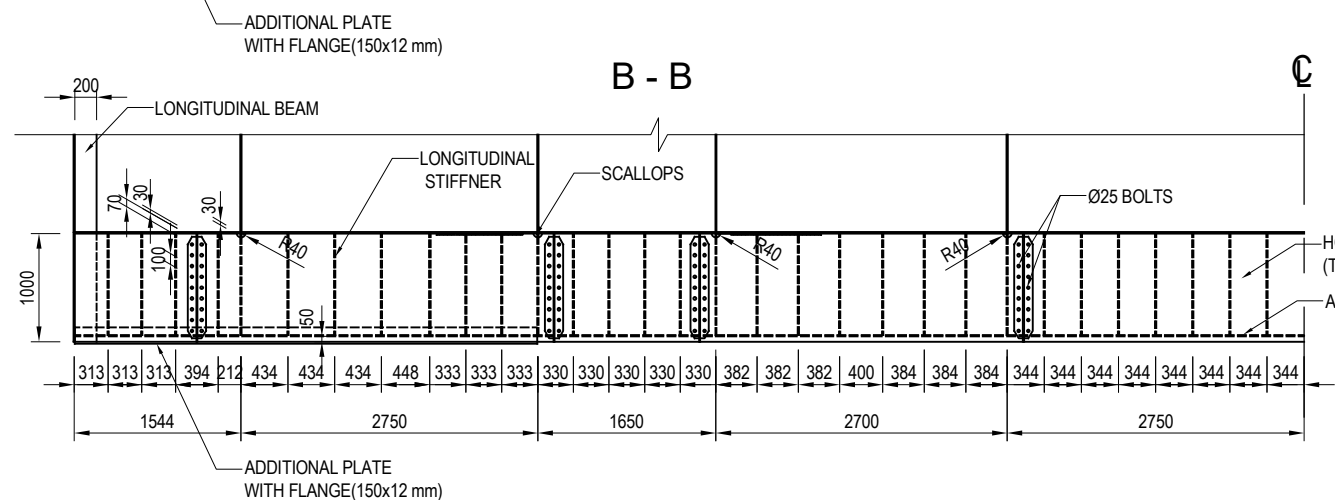
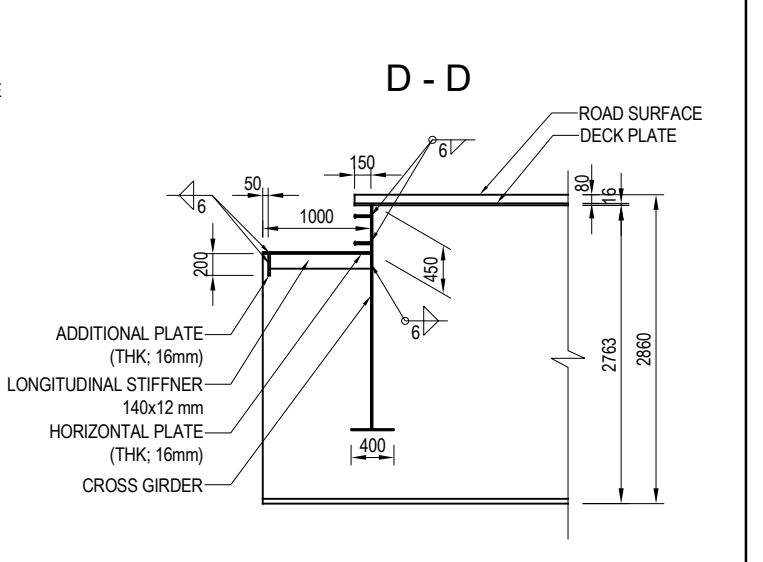
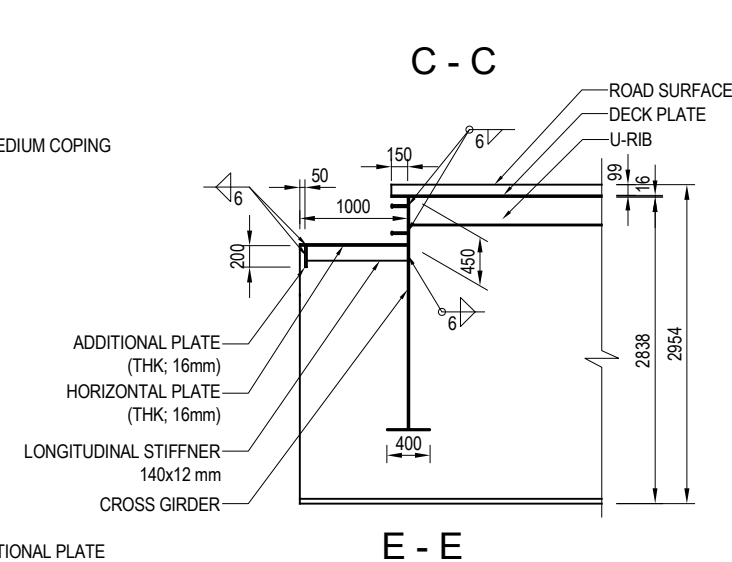
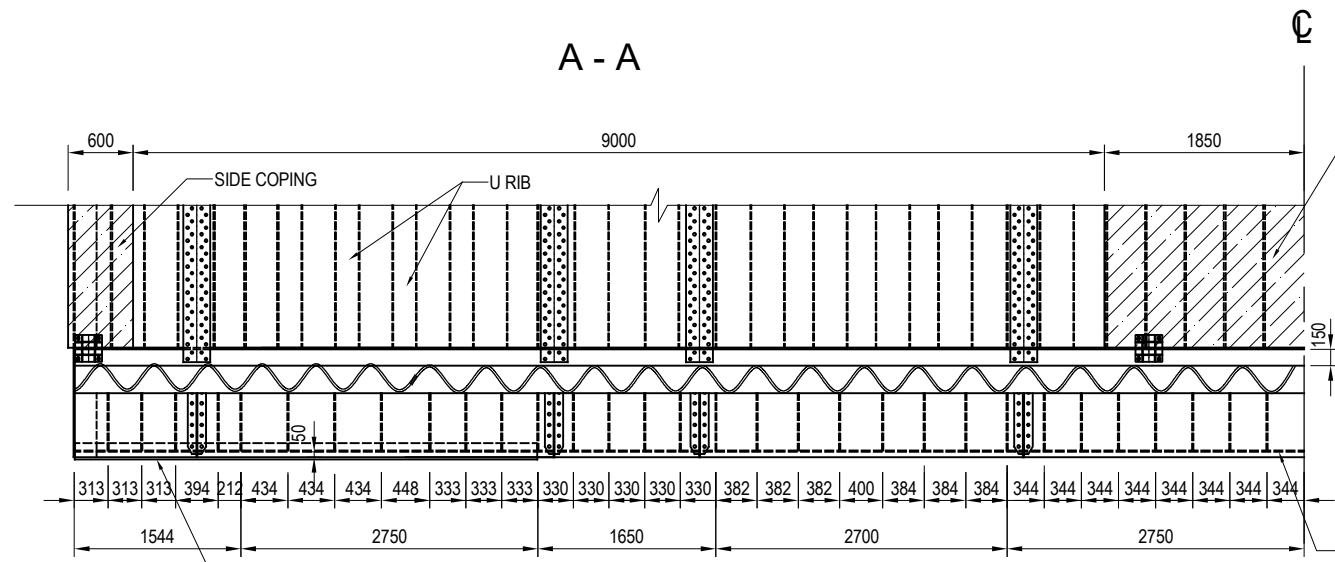
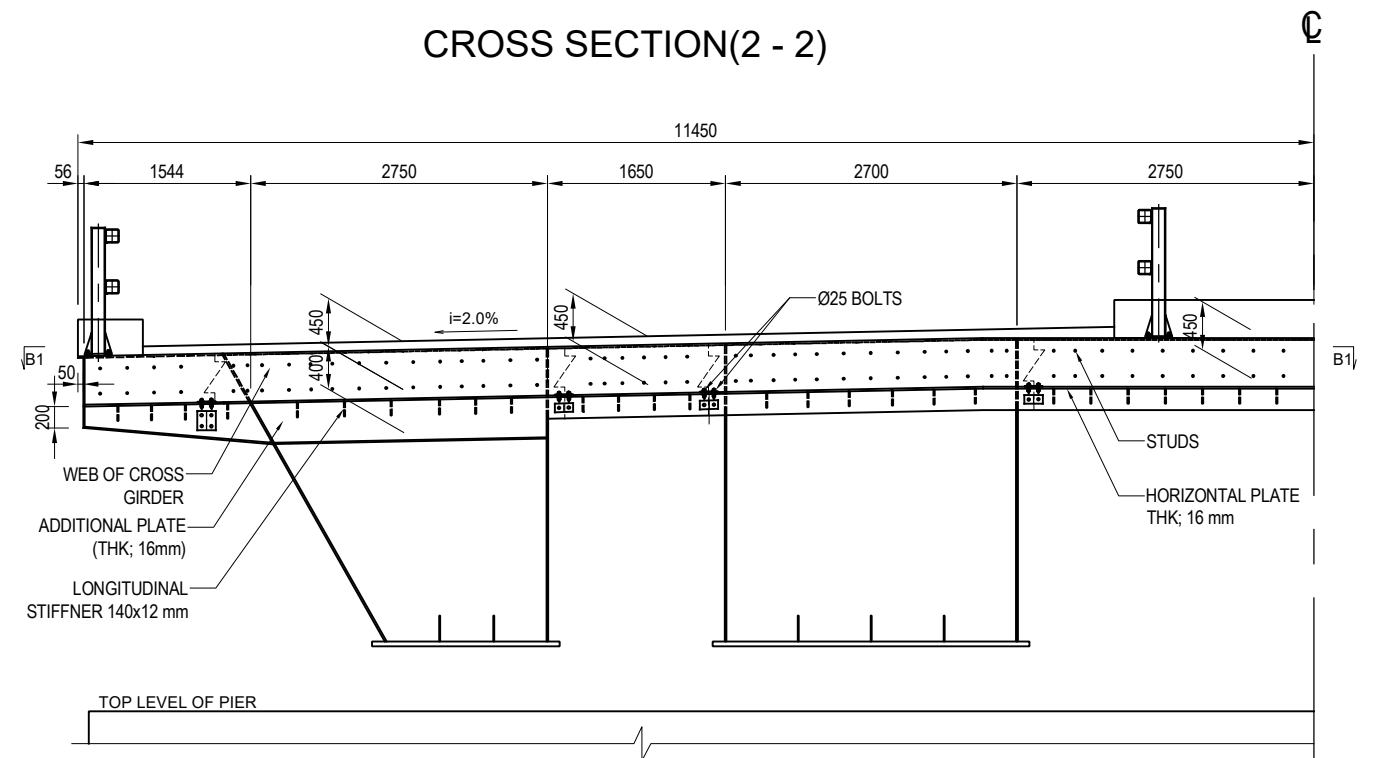
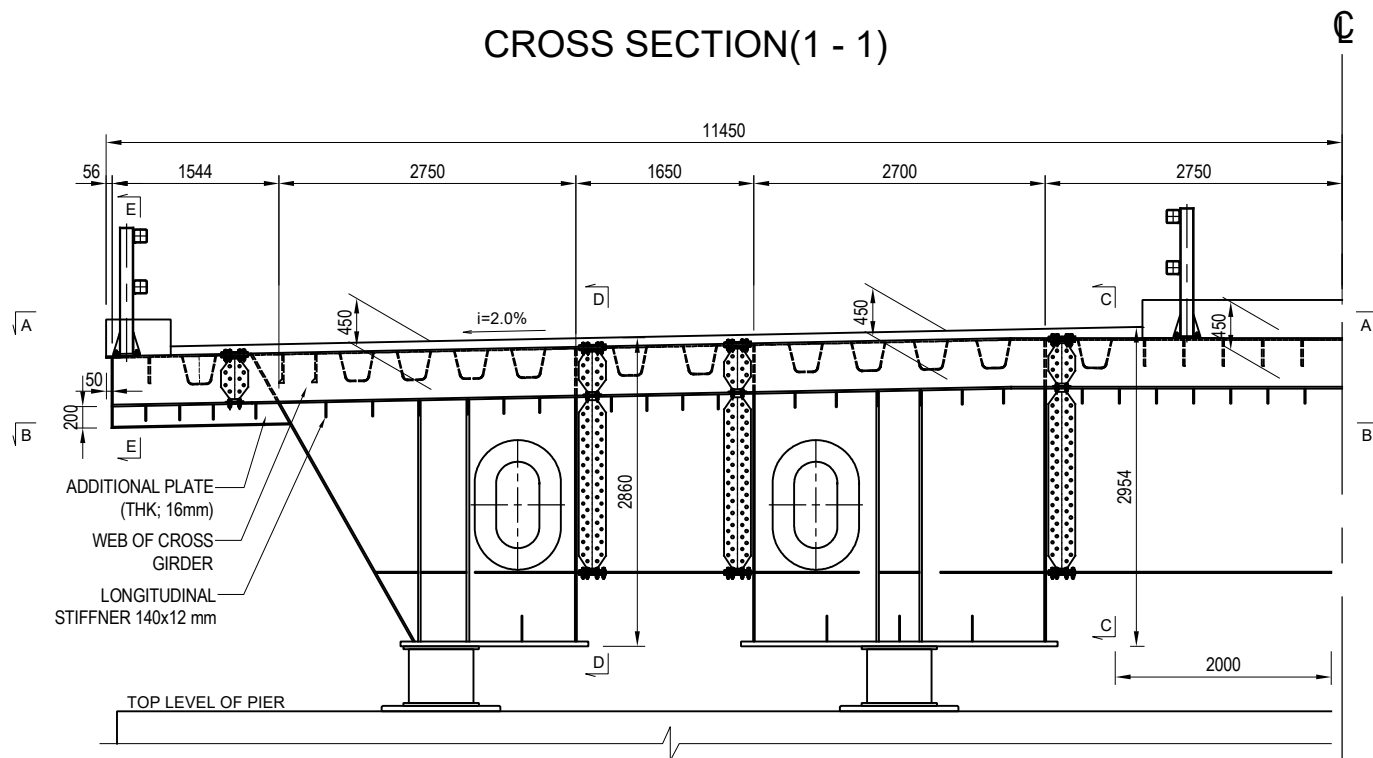
NOTES:

- 1 - THIS DWG WORKS WITH DWG NO. P1-CS-3063.
- 2 - HOT-DIP GALVANIZED COATING OVER 550g/m², 350g/m² (FOR BOLT, WASHER & NUT AND MEMBERS WITH A THICKNESS OF LESS THAN 3.2mm)
- 3 - A STEEL MEMBER WHICH IS WELDED TO GIRDER OR TOWER SHALL BE PAINTED (NOT GALVANIZED COATING).

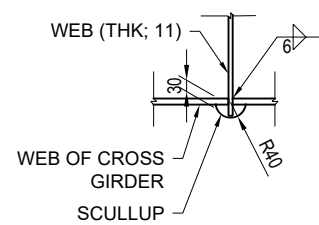
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE LADDER (4)	PACKAGE
				PREPARED BY	T.TOMODA			1
				CHECKED BY	T. HAYAKAWA			DWG No.
				APPROVED BY	Y. SANO			P1-CS-3067

DETAIL OF STEEL GIRDER END FOR EXPANSION JOINT (P13) (1)

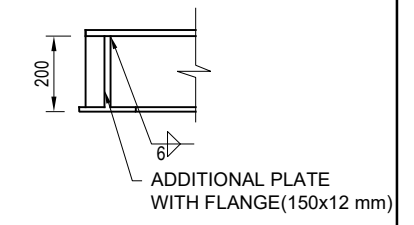
S= 1:70



DETAIL OF SCALLOPS



DETAIL - 1 S= 1:20



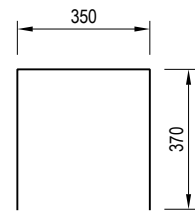
Notes:
 1) This drawing of detail of steel girder end for expansion joint P13 is prepared based on the type of expansion joint specified in Package-1 Drawings.
 2) Work demarcation between Package-1 and Package-2 shall be referred to the table in DWG. No.P1-CS-****.
 3) Design of the end girder shall be modified by the Contractor of Package-2 in cooperation with the Contractor of Package-1 if the type of expansion joint of P13 would be changed, and the revised design shall be approved by the Engineer.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE		
				PREPARED BY	S. IMADA	15 Jun.2017			DETAIL OF STEEL GIRDER END FOR EXPANSION JOINT (P13) (1)	1
				CHECKED BY	T. HAYAKAWA	20 Jun.2017				
APPROVED BY	Y. SANO	21 Jun.2017	P1-CS-3068							

DETAIL OF STEEL GIRDER END FOR EXPANSION JOINT (P13) (3)

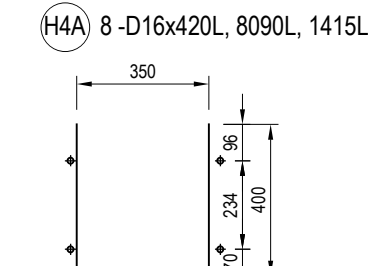
S= 1:20

H1A 62-D16x1090L



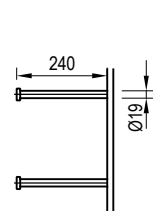
NUMBER: 62

H2A 124-D16x400L



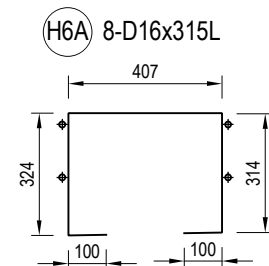
NUMBER: 124 (H2A)
NUMBER: 8 (H4A)

H3A 30-Ø19x240L



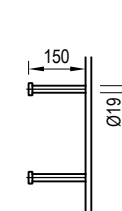
NUMBER: 30

H5A 4-D16x1245L



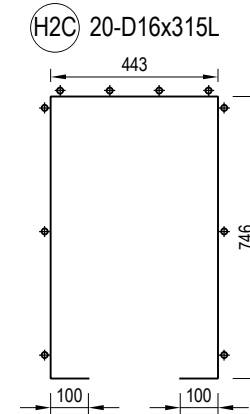
NUMBER: 4(H5A)
NUMBER: 8(H6A)

H1B 156-Ø19x150L



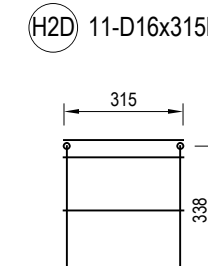
NUMBER: 156

H1C 4-D16x2135L



NUMBER: 4 (H1C)
NUMBER: 20 (H2C)

H1D 2-D16x2275L S= 1:20



NUMBER: 2 (H1D)
NUMBER: 11(H2D)

	Length	Diameter	NO.
H1A	1090	D16	62
H2A	400	D16	124
H3A	240	Ø19	30
H4A	420	D16	8
	8090	D16	8
	1415	D16	8
H5A	1245	D16	4
H6A	315	D16	8
H1B	150	Ø19	156
H1C	2135	D16	4
H2C	315	D16	20
H1D	2275	D16	2
H2D	315	D16	11

MATERIAL LIST

No.	Item	Size	Material	Width (mm)	Length (mm)	Thickness (mm)	Unit Weight (kg/m ³)	Weight (kg/pce)	Number	Weight(kg)	Remarks
1.	Horizontal Plate	1000x22779.32x16 mm	SM400	1000	22779.32	16	7850	2861.08	1	2861.08	*
2.	Additional Plate	200x22779.32x16 mm	SM400	200	22779.32	16	7850	572.22	1	572.22	*
	Sub-Total									3433.30	
3.	Longitudinal Stiffener(140x12)mm	140x934x12 mm	SM400	140	934	12	7850	12.32	63	776.01	*
4.	Flange of Additional Plate	150x4282.5x12 mm	SM400	150	4282.5	12	7850	60.51	2	121.02	*
	Sub-Total									897.03	
5.	Base Plate for Bolt	170x940x8 mm	SM400	170	940	8	7850	10.04	8	80.28	*
6.	25Ø Bolt	M25x80 mm	S10T	-	-	-	-	0.785	144	113.04	
7.	H1A	Ø16 mm	SD345	-	1090	-	1.58(kg/m)	1.72	62	106.61	
8.	H2A	Ø16 mm	SD345	-	400	-	1.58(kg/m)	0.63	124	78.24	
9.	H4A	Ø16 mm	SD345	-	420	-	1.58(kg/m)	0.66	8	5.30	
		Ø16 mm	SD345	-	1415	-	1.58(kg/m)	2.23	8	17.86	
		Ø16 mm	SD345	-	8090	-	1.58(kg/m)	12.76	8	102.10	
10.	H5A	Ø16 mm	SD345	-	1245	-	1.58(kg/m)	1.96	4	7.86	
11.	H6A	Ø16 mm	SD345	-	315	-	1.58(kg/m)	0.50	8	3.98	
12.	H1C	Ø16 mm	SD345	-	2135	-	1.58(kg/m)	3.37	4	13.47	
13.	H2C	Ø16 mm	SD345	-	315	-	1.58(kg/m)	0.50	20	9.94	
14.	H1D	Ø16 mm	SD345	-	2275	-	1.58(kg/m)	3.59	2	7.18	
15.	H2D	Ø16 mm	SD345	-	315	-	1.58(kg/m)	0.50	11	5.47	
	Sub-Total									357.99	
16.	H3A(Stud Bolt)	Ø19 mm	JIS B 1198	-	240	-	-	0.092	30	2.76	*
17.	H1B(Stud Bolt)	Ø19 mm	JIS B 1198	-	150	-	-	0.092	156	14.35	*
	Sub-Total									17.11	
18.	Concrete@(F-F)	-	24MPa	600	570	334	2400	274.15	2	548.29	
		-	24MPa	600	720	500	2400	518.40	2	1036.80	
	Concrete@(G-G)	-	24MPa	8950	735	530	2400	8367.53	2	16735.07	
	Concrete@(H-H)	-	24MPa	1850	570	250, 287	2400	679.52	2	1359.04	
		-	24MPa	1850	735	555	2400	1811.19	2	3622.37	
	Sub-Total									23301.58	
	Total									28070.18	

Note: The Designation "*" in Remarks shows that those materials shall be included in the scope of fabrication of steel box girder in Package-2. Other items shall be scope of Package-1.

Notes:

- 1) This drawing of detail of steel girder end for expansion joint P13 is prepared based on the type of expansion joint specified in Package-1 Drawings.
- 2) Work demarcation between Package-1 and Package-2 shall be referred to the table in DWG. No.P1-CS-****.
- 3) Design of the end girder shall be modified by the Contractor of Package-2 in cooperation with the Contractor of Package-1 if the type of expansion joint of P13 would be changed, and the revised design shall be approved by the Engineer.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF STEEL GIRDER END FOR EXPANSION JOINT (P13) (3)	PACKAGE 1 DWG No. P1-CS-3070
				PREPARED BY	S. IMADA	15 Jun.2017		
				CHECKED BY	T. HAYAKAWA	20 Jun.2017		
				APPROVED BY	Y. SANO	21 Jun.2017		

(REFERENCE) QUANTITY TABLE OF SUPERSTRUCTURE P10-P13

NOT TO SCALE

QUANTITY TABLE OF MAIN GIRDER

Main Girder (Unit: kg)						
Category	Material	Main Girder	Main Girder Trans. Joint	Main Girder Long. Joint	Main Girder Hor. Joint	
PL	SM570	13888				
	SM520C-H	40352				
	SM490YB	277800			11148	
	SM490YA	1586165	86666	68056		
	SM490C-H	9138				
	SM400C-H	13760				
	SM400A	2004002				
	SS400	17182	61382	30240		
	FB	SS400	1936			
	L	SS400				
H	SS400					
CH	SS400	208				
U	SM490YA	11568				
	SM400A	472238				
STK	STK400	5336				
RB	SS400	364	312			
	SD295					
EXP	XG11					
CHPL	SS400					
Processed Weight Total		4453937	148360	98298	11148	
I	SS400					
ANCB	S35C					
	S45CN					
BN	SS400	8	312			
	SUS304	176				
BOLT	SS400	392				
NUT	SS400	191				
	S35C					
	S45CN					
WASH	SS400					
UB	SS400					
WPN	SUS304	8				
PLWS	SS400					
BNUT	SS400	784				
Chain	SUS304					
Parts Weight Total		1559	312			
Total		4454966	148672	98298	11148	

TCB and HTB for Main Girder (Unit: kg)					
Category	Material	Main Girder	Main Girder Trans. Joint	Main Girder Long. Joint	Main Girder Hor. Joint
TCB	S10T	976	57260	40988	4414
HTB	F10T		432		
Total		976	57692	40988	4414

QUANTITY TABLE OF MAIN GIRDER ACCESSORIES

Girder Accessories (Unit: kg)												
Category	Material	Rocking Bearing	Anchor Bolt	Anchor Frame	Pedestal Frame	Drainage System	Slab Drain	Cable Rack	Water Pipe	Fairing	Rail	Inspection Way
PL	SM570	3676										
	SM520C-H				13966							
	SM490YB	4992		2904	43604							
	SM490YA			1728	656							
	SM490C-H											
	SM400C-H											
	SM400A	352		17006	6830	10780	102	1094	3248	95346	3794	5806
	SS400		20	564	288		204		3136			
	FB	SS400									856	3140
	L	SS400			1764		420	102	485	4872		7350
H	SS400							1358	4544			
CH	SS400										12586	
U	SM490YA											
	SM400A											
STK	STK400					1260						
RB	SS400											822
	SD295					1260						
EXP	XG11										7608	
CHPL	SS400										16	
Processed Weight Total		9020	20	23966	65344	13720	408	2937	15800	96202	3794	37328
I	SS400										69976	
ANCB	S35C		13900									
	S45CN		2580									
BN	SS400						102	194	812			758
	SUS304											
BOLT	SS400											
NUT	SS400											
	S35C		1724		104							
	S45CN		304									
WASH	SS400									102		
UB	SS400									102		
WPN	SUS304											
PLWS	SS400			2148								
BNUT	SS400											
Chain	SUS304					140						
Parts Weight Total			20656		104	140	306	194	812		69976	758
Total		9020	20676	23966	65448	13860	714	3131	16612	96202	73770	38086

TCB and HTB for Girder Accessories (Unit: kg)												
Category	Material	Rocking Bearing	Anchor Bolt	Anchor Frame	Pedestal Frame	Drainage System	Slab Drain	Cable Rack	Water Pipe	Fairing	Rail	Inspection Way
TCB	S10T			204								310
HTB	F10T											
Total				204								310

QUANTITY TABLE OF MAIN TOWER

Main Tower (Unit: kg)			
Category	Material	Tower	Tower Joints
PL	SM490YB	526076	1240
	SM490YA	34838	16216
	SM400A	3722	
	SS400	13594	10
PLS	SUS304	16	
FB	SS400	24	
L	SS400		
STK	STK400	2880	
SGP	SGP	8	
RB	SS400	10	
	SUS304	8	
EXP	XG11		
Processed Weight Total		580976	17466
BN	SS400	10	
BOLT	SS400	4	
Parts Weight Total		14	
Total		580990	17466

TCB for Main Tower (Unit: kg)			
Category	Material	Tower	Tower Joints
TCB	S10T		6230

QUANTITY TABLE OF MAIN TOWER ACCESSORIES

Tower Accessories (Unit: kg)		
Category	Material	Tower Ladder
PL	SM490YB	
	SM490YA	
	SM400A	
	SS400	582
PLS	SUS304	
FB	SS400	58
L	SS400	1704
STK	STK400	
SGP	SGP	
RB	SS400	536
	SUS304	
EXP	XG11	36
Processed Weight Total		2916
BN	SS400	88
BOLT	SS400	
Parts Weight Total		88
Total		3004

QUANTITY TABLE OF MAIN GIRDER PAINTING AREA

Girder Painting Area (Unit: m ²)		
	Items	Total Area
Shop Painting	General Outer Surface	22135.4
	General Outer Surface Additional	641.1
	General Inner Surface	42466.7
	Steel Deck Slab Upper Surface	9614.8
	General Outer Surface	962.1
Site Painting	General Outer Surface Additional	23.6
	General Inner Surface	1955.9
	Steel Deck Slab Upper Surface	0.8
	General Outer Surface	228.8
	General Outer Surface Additional	7.3
Bolting	General Inner Surface	751.3
	Steel Deck Slab Upper Surface	0.1
	General Outer Surface	623.1
Welding	General Outer Surface Additional	4.8
	General Inner Surface	677.4
	Steel Deck Slab Upper Surface	981.9
Friction Joint Surface		5960.3

QUANTITY TABLE OF MAIN TOWER PAINTING AREA

Tower Painting Area (Unit: m ²)		
	Items	Total Area
Shop Painting	General Outer Surface	1262.0
	General Outer Surface Additional	
	General Inner Surface	3158.2
	Steel Deck Slab Upper Surface	
	General Outer Surface	
Site Painting	General Outer Surface Additional	
	General Inner Surface	139.2
	Steel Deck Slab Upper Surface	
	General Outer Surface	
	General Outer Surface Additional	
Bolting	General Inner Surface	52.4
	Steel Deck Slab Upper Surface	
	General Outer Surface	44.0
Welding	General Outer Surface Additional	
	General Inner Surface	52.9
	Steel Deck Slab Upper Surface	
Friction Joint Surface		278.3

QUANTITY TABLE OF OTHER ITEMS

Other Items				
	Items	Spec	Unit Qty	
Cable Stay	PC strands(7S15.6)		ton 224.4	
Material	HDPE duct	φ 180	m 952.8	
		φ 250	m 1785.4	
Adjustment Anchorage	37H (Girder side)		nos 20	
	70H (Girder side)		nos 20	
Fixed Anchorage	37H (Tower side)		nos 20	
	70H (Tower side)		nos 20	
Sliding Tube	37H		nos 20	
	70H		nos 20	
HDPE Joint Tube	37H		nos 20	
	70H		nos 20	
Support Ring	37H		nos 20	
	70H		nos 20	
Positioning Tube	37H		nos 20	
	70H		nos 20	
Protection Tube	37H		nos 20	
	70H		nos 20	
Buffer Device	37H (Girder side)		nos 20	
	70H (Girder side)		nos 20	
	37H (Tower side)		nos 20	
	70H (Tower side)		nos 20	
Vibration Control Device	37H		set 20	
	70H		set 20	
Accessory & Miscellaneous Work	Horizontal Bearing		nos 2	
	Rocking Bearing		nos 4	
	Pivot Bearing		nos 2	
	Pin Roller Bearing		nos 4	
	Bridge Surface Work	Asphalt Pavement		m ² 8028
		Concrete for Median		m ³ 89.2
		Stud for Median*	SD345	kg 334
		Welded Wire Mesh for Median		m ² 1115
		Water-Resistant Coating for Road Way		m ² 8028
		Water-Resistant Coating for Median		m ² 1115
Wheel Guard & Median Strip	Concrete	σ ck=24N/mm ²	m ³ 35.5	
	Reinforcing Bar	SD345	kg 21815	
	Stud*	SD345	kg 5237	
	Drainage Pipe	STKR400	kg 4068	
Composite Barrier	Composite Barrier		m 895	
& Barrier For Carriage Way	Reinforcing Bar for Composite Barrier	SD345	kg 5567	
	Mortar for Composite Barrier		m ³ 4.76	
Expansion Joint	Barrier For Carriage Way	SD345	kg 895	
	Reinforcing Bar for Barrier For Carriage Way	SD345	kg 5567	
Manhole	Mortar for Barrier For Carriage Way		m ³ 4.76	
	Module Type		m 45.8	
Drainage	Reinforcing Bar*	SD345	kg 590	
	Stud*	SD345	kg 143	
Cable Rack(Reference)	Girder Polychloroprene		nos 6	
	Tower Polychloroprene		nos 4	
Cable Rack	Drainage Box		nos 140	
	Bridge Surface Drainage		nos 102	
	Cable Rack Length	W=0.6m	m 448	
	Cable Rack	W=0.6m L=3.0m	nos 149	
	Cable Rack	L=0.5m	nos 2	
	Joint		nos 148	
	End Cap		nos 2	
	Steady Piece		nos 203	

*: BE SURE TO MAKE PREPARATION FOR RE-BAR AND STUDS AT TIME OF SUPERSTRUCTURE WORK.

(REFERENCE) QUANTITY TABLE OF SUBSTRUCTURE P10-P13

NOT TO SCALE

QUANTITY TABLE OF RC PIER COLUMN AND BEAM STRUCTURE

Structure Component	Type of Works	Specification	Classification	Unit	Quantities
					Total of P10-P13
Pier Column and Beam (Reinforced Concrete Structure)	Concrete	σck=30N/mm2		m ³	7,789.4
	Re-bar	SD345	D 13	kg	—
			D16 ~ D25	"	332,198
			D29 ~ D32	"	146,715
			D 35	"	—
			D 38	"	—
			D 51	"	176,674
			Total	"	655,587
			Mechanical Splice	SD345	D 35
	D 38	"			—
	D 51	"			824
	Total	"			824

QUANTITY TABLE OF STEEL PILE SHEET PILE FOUNDATION

Structure Component	Item	Classification	Unit	Quantities	Note				
				Total of P10-P13					
Steel Sheet Pile Foundation	Steel Sheet Pile Well and Bulkhead Steel Sheet Pile Well	Pile Number		Nos.	152	Outside Steel Pipe Well			
		Total		"	32	Diaphragm Steel Sheet Pipe Wall			
		Total Pile Length		m	12,548.0				
		Total Number	Weight of Steel Pipe Section	φ1200	t=14mm	t	3,394.448	SKY400	
					t=14mm	"	677.304	SKY490	
					t=16mm	"	1,083.440	SKY490	
			Weight of Attachments	φ165.2	t=11mm	"	1,040.328	STK400	
					Tip Reinforcing Band	PL t=9mm	t	14.720	SS400
					Member for Site Circumference Welding (Backing Ring + Stopper)	PL t=14mm	"	2.208	SS400
		Weight of Attachments		Sling	PL t=22mm	"	9.568	SM490A	
					Interlocking Toe	PL t=12mm	Piece	376	SS400
				Combined Splice Pipe		Point	376	STK400	
				Pre-cut		"	376		
		Steel Sheet Pile Foundation	Excavation inside	Pile		m ³	2,004.0		
Pile Head				m ³	309.9				
Concrete Filling	Infilling Concrete		σck=18N/mm2	m ³	1,618.4				
	Pile Head			m ³	52.6				
Cleaning inside Joint Pipe			m	10,138.7					
Mortar filling inside Joint Pipe	σck=21N/mm2		Injected Length of Splice Mortar		m	12,235.2			
			Used Amount of Splice Mortar		m ³	321.2			
Sealing inside Joint Pipe	σck=0.2N/mm2		Length of Splice Water Stop Material		m	2,082.4			
			Used Amount of Splice Water Stop Material		m ³	59.2			
			Water Stop Bag		m	4,164.8			
Excavation inside Well			m ³	7,967.7					
Backfill Inside Well			m ³	1,879.5					
Footing Concrete	σck=24N/mm2		m ³	3,697.2					
Bottom Slab Concrete	σck=21N/mm2		m ³	1,926.6					
Spread Sand			m ³	389.0					
Pile Head Combination	Shear Connector		PL-32×16×3597	kg	924				
	Stopper		PL-25×9×50	"	16				
Pile Head Re-bar	Weight		SD345	D 13	kg	1,884			
				D16 ~ D25	kg	2,786			
				D29 ~ D32	"	3,720			
				Total	"	8,390			
Re-bar for Top Slab	Weight		SD345	D 13	kg	—			
				D16 ~ D25	"	39,258			
				D29 ~ D32	"	17,344			
				D 35	"	28,528			
				D 38	"	62,904			
				D 51	"	276,724			
	Total		"	424,758					
	Mechanical Splice	SD345	D 35	Point	220				
			D 38	"	348				
			D 51	"	1,072				
Total			"	1,640					
Connector (Welding of Dowel)	Block Number of Welding of Dowel		Stage	5,200					
	Mass of Welding of Dowel		kg	49,836					