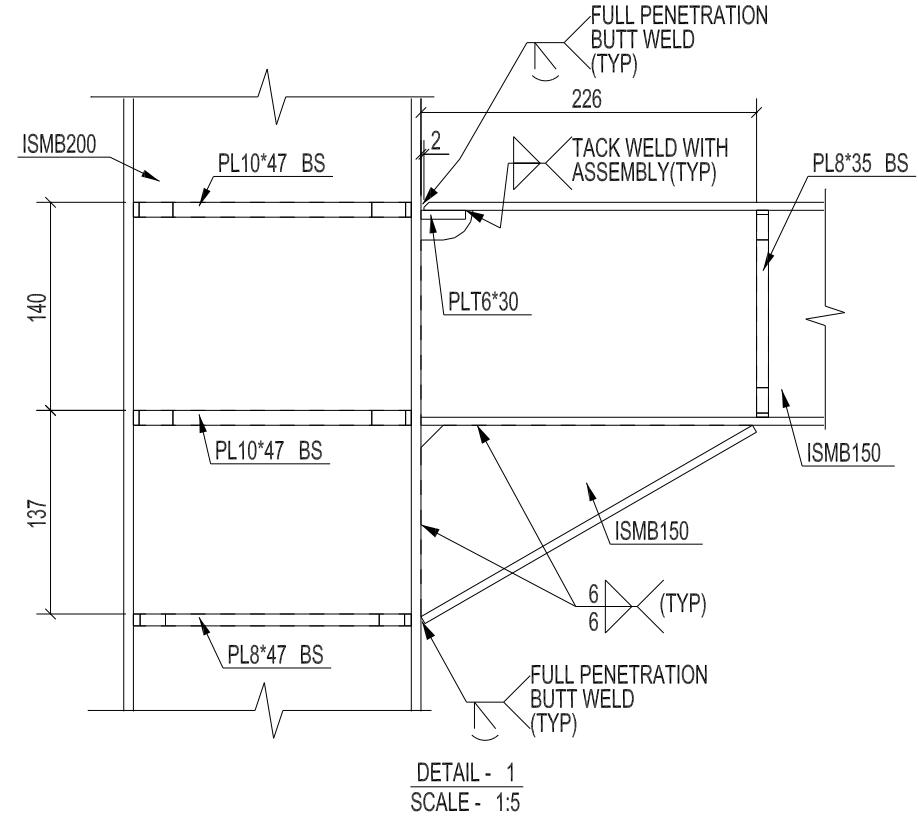
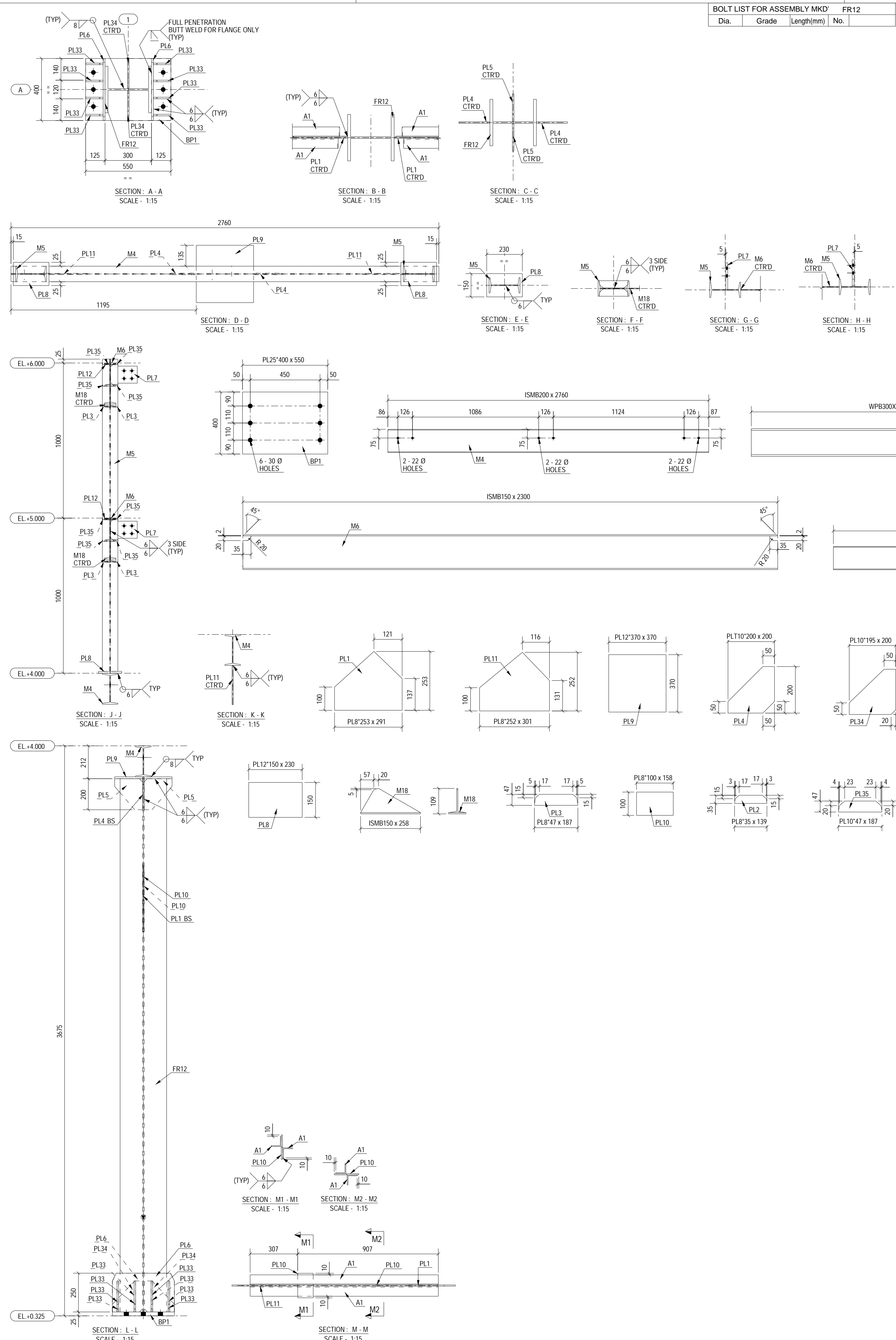
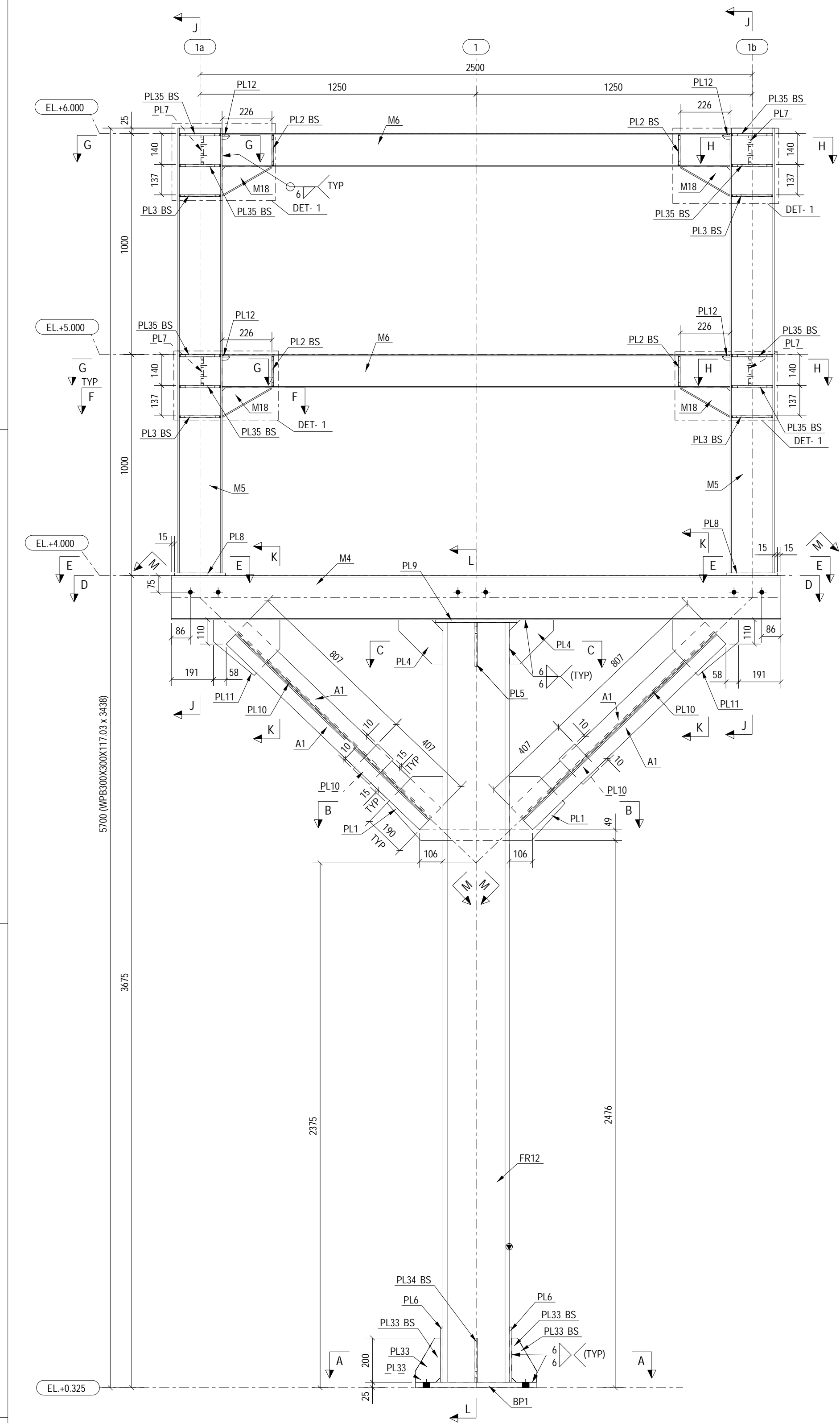





MARK NO.	GRID LOCATION	
FR12	1/A	+6.025

BOLT LIST FOR ASSEMBLY MKD'				FR12
Dia.	Grade	Length(mm)	No.	

BILL OF MATERIALS			ASSEMBLY MKD : FR12			ASSY QTY : 1		
Item Mark	Qty / Assembly	Profile Size	Wt./Meter	Length (mm)	Wt./Item	Total Qty.	Total Wt (Kg)	Material
FR12	1	WPB300X300X117.03	117.03	3438	402.40	1	402.40	IS2062
A1	4	ISA65X65X6	5.80	1214	7.09	4	28.36	IS2062
BP1	1	PL25*400	196.25	550	43.18	1	43.18	IS2062
M4	1	ISMB200	24.20	2760	66.73	1	66.73	IS2062
M5	2	ISMB200	24.20	2103	48.67	2	97.34	IS2062
M6	2	ISMB150	15.00	2300	34.48	2	68.97	IS2062
M18	4	ISMB150	15.00	258	3.86	4	15.45	IS2062
PL1	2	PL8*253	62.80	291	4.62	2	9.24	IS2062
PL2	8	PL8*35	62.80	139	0.31	8	2.45	IS2062
PL3	8	PL8*47	62.80	187	0.55	8	4.43	IS2062
PL4	2	PL10*200	78.50	200	3.14	2	6.28	IS2062
PL5	2	PL10*180	78.50	200	2.82	2	5.64	IS2062
PL6	2	PL12*250	94.20	400	9.42	2	18.84	IS2062
PL7	4	PL12*130	94.20	172	2.11	4	8.43	IS2062
PL8	2	PL12*150	94.20	230	3.25	2	6.50	IS2062
PL9	1	PL12*370	94.20	370	12.90	1	12.90	IS2062
PL10	4	PL8*190	62.80	158	0.99	4	3.97	IS2062
PL11	2	PL8*252	62.80	301	4.76	2	9.51	IS2062
PL12	4	PL7*30	47.10	75	0.11	4	0.42	IS2062
PL33	8	PL10*113	78.50	200	1.77	8	14.19	IS2062
PL34	2	PL10*195	78.50	200	3.05	2	6.11	IS2062
PL35	16	PL10*47	78.50	187	0.69	16	11.07	IS2062
						Total	842.40	



1 REQ'D AS DRAWN MARKED No. FR12

1	0	ISSUED FOR FABRICATION	SV	AS	28.02.2025
No	REV MARK	REVISION DESCRIPTION	DRAWN BY	CHKD BY	REV. DATE
		CLIENT:- NAVIN FLUORINE ADVANCED SCIENCES LIMITED DAHEJ			
		FABRICATOR :- VRISHAL ENGINEERING PVT LTD DAHEJ	 DETAILING CONSULTANTS:- T ENGINEERING CONSULTANTS PVT LTD VADODARA		
PROJECT NAME		PIPE RACK SECTION - M			
DRAWING TITLE		ASSEMBLY DRAWING OF FR12	SHEET No:- 1 OF 1		
DESIGN CONSULTANT		TATA CONSULTING ENGINEERS LIMITED	JOB No:- -		
APPROVED BY		TATA CONSULTING ENGINEERS LIMITED	SCALE:- AS SHOWN		SHT SIZE:- A1
DRAWING No		TCE-13282A-CV-3066-ST-31020-ASS-FR12	REV. No:- 0		