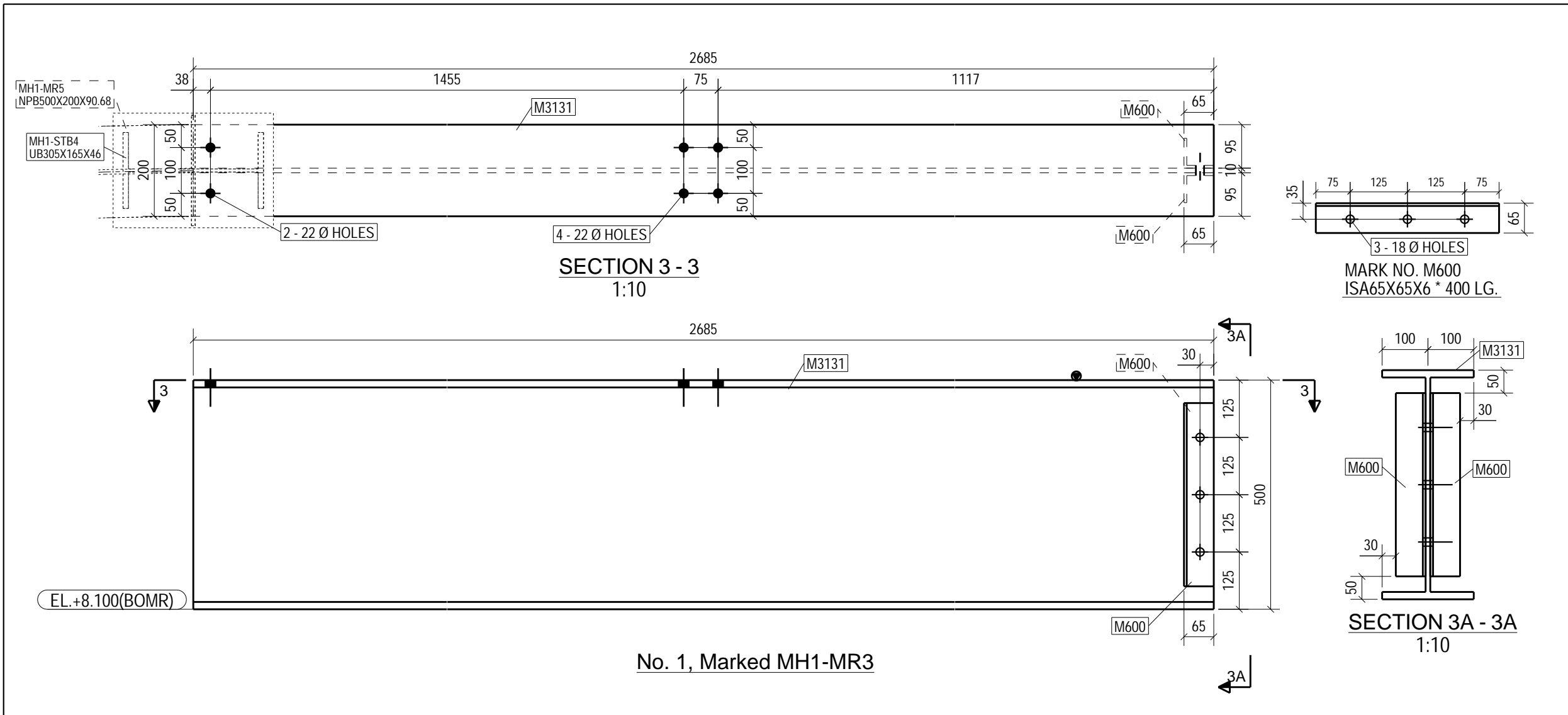
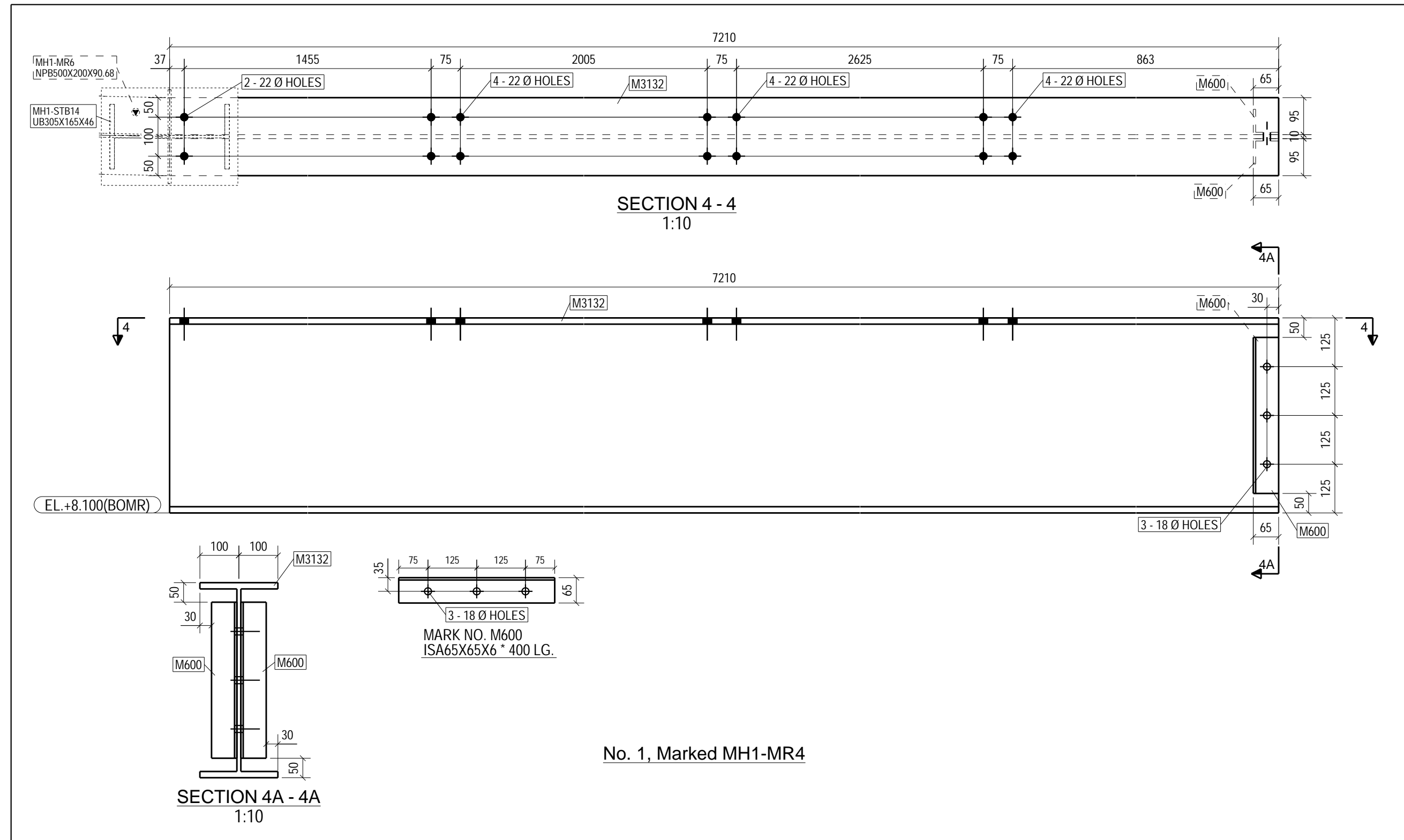
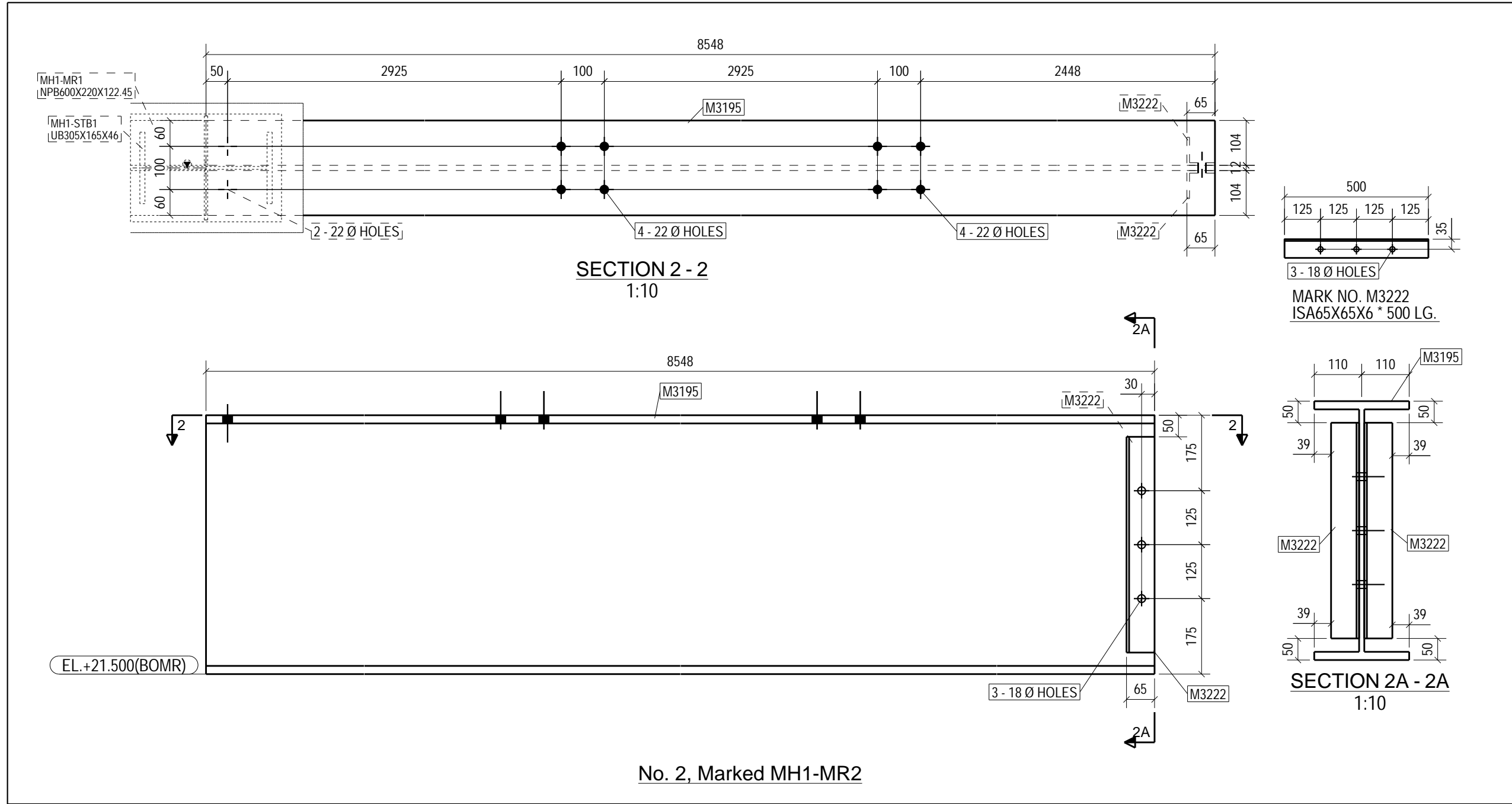
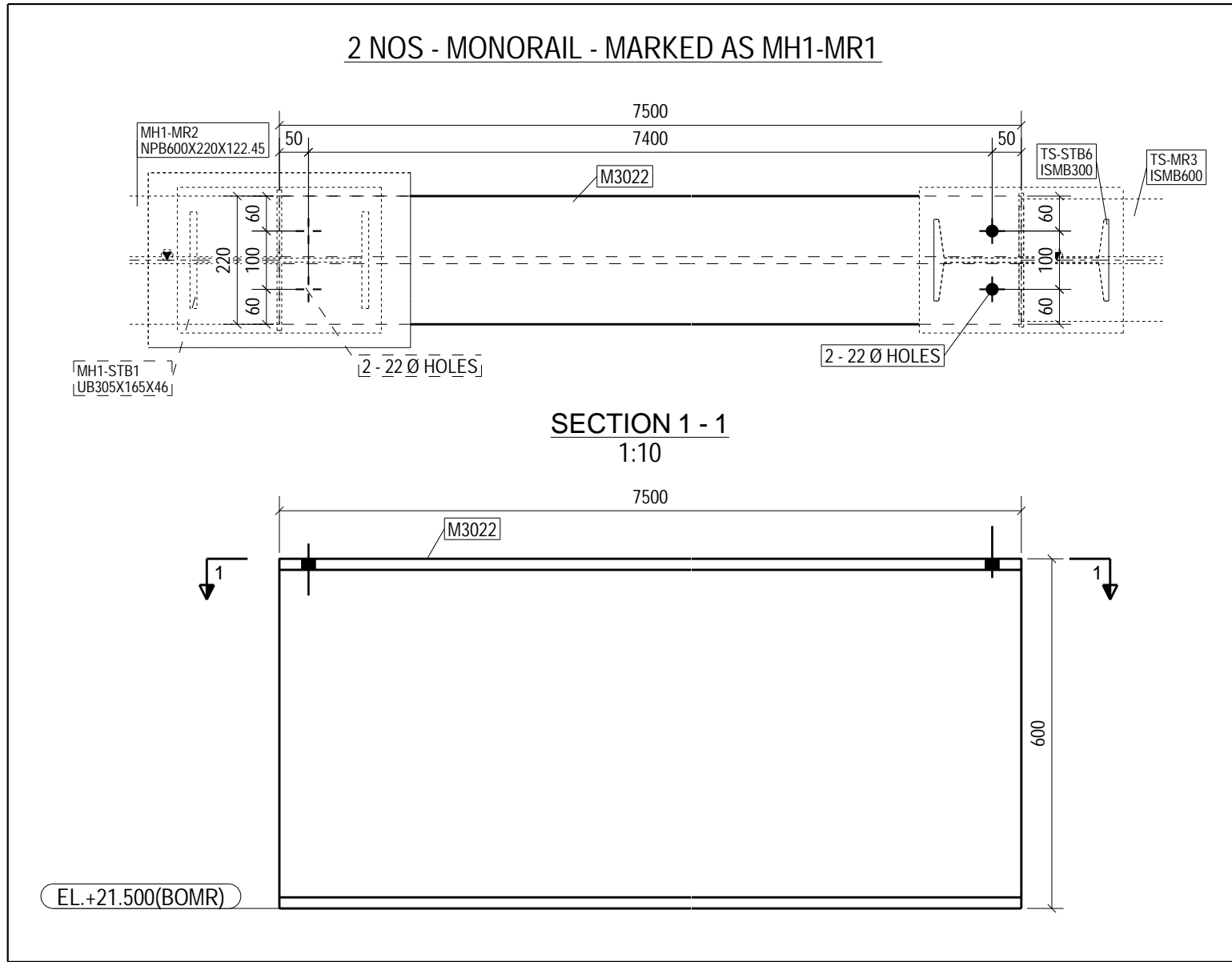


GRID LOCATION		
MH1-MR1	21-22/C-X	+22.100
MH1-MR1	21-22/X-B	+22.100
MH1-MR4	22-23/D-X	+8.600
MH1-MR3	22-23/X-B	+8.600
MH1-MR2	22-24/C-X	+22.100
MH1-MR2	22-24/X-B	+22.100

SUMMARY OF STEEL		
SR. No.	DESCRIPTION	TOTAL WT.
1	ISA65X65X6	21.03
2	NPB600X200X90	897.31
3	NPB600X220X122	3930.22
TOTAL IN KGS.		4848.56

FIELD BOLT SUMMARY					
TOTAL QTY	UNIT QTY	BOLT DIA	BOLT GRADE	LENGTH	REMARK
12	9	16		65	Workshop
4	4	20	10.9	70	Site
16	16	20	10.9	70	

BILL OF MATERIALS									
ERECTION MARK.	ITEM NO.	MATL. SPCLN.	SECTION	LENGTH IN mm.	REQD. NOS.	WEIGHT IN KGS. UNIT WT.	TOTAL WT.	ERE. NOS.	WT. FOR ALL EREC.
MH1-MR1	M3022	E250 AB	NPB600X220X122.45	7900.0	1	918.39	918.39	2	1836.78
MH1-MR2	M3195	E250 AB	NPB600X220X122.45	8548.0	1	1046.72	1046.72		
MH1-MR3	M3222	E250 AB	ISA65X65X6	500.0	2	2.34	5.84		
MH1-MR4	M3131	E250 AB	NPB600X200X90.68	2685.0	1	243.48	243.48		
MH1-MR4	M600	E250 AB	ISA65X65X6	400.0	2	2.34	4.67		
MH1-MR4	M3132	E250 AB	NPB600X200X90.68	7210.0	1	653.83	653.83		
MH1-MR4	M600	E250 AB	ISA65X65X6	400.0	2	2.34	4.67		
GRAND TOTAL									4848.56



DRAWING STAMPED 1 TO 4

BHEL-INDUSTRIAL SYSTEMS GROUP (CIVIL)

1) ☒ KEPT FOR INFORMATION.
SITE /CONTRACTOR TO ENSURE THE COMPLIANCE OF ALL PREVIOUS COMMENTS AND PROCEED FOR FABRICATION

2) ☐ INCORPORATE ALL COMMENTS,RESUBMIT THE REVISED DRAWINGS

BHEL'S APPROVAL WILL NOT ABSOLVE CONTRACTOR FROM HIS RESPONSIBILITY TOWARDS CORRECTNESS OF DRAWING .CONTRACTOR SHALL BEAR THE TOTAL RESPONSIBILITY FOR MISMATCHES ,ERROR IN THE DRAWINGS

NAME	PRASANTH KUMAR RAI KG
SIGNATURE	---sd---
DATE	

NOTES:

01. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER U.N.O.

02. THIS DRAWING IS NOT TO BE SCALED,ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

03. ALL BUTT WELDS SHALL BE OF FULL PENETRATION.

04. Use 10.9 BOLT GRADE UNLESS NOTED OTHERWISE MENTIONED IN ERECTION DRAWING.

MINIMUM WELD SIZE FOR VARIOUS PLATE					
PLATE SIZE	8 mm & 10 mm	12 mm	16 mm & 20 mm	25 mm	28 mm & 32 mm
WELD SIZE	6 mm	10 mm	12 mm	16 mm	20 mm

01	ISSUE FOR CONSTRUCTION	SP	KJ	YG	07.01.2023
00	ISSUE FOR CONSTRUCTION	IP	KJ	YG	29.12.2022
No	DESCRIPTION	DRN	CHECKED	APPROVED	DATE

PAT-IP-FGD-LSSY-100-1001	MARKING DRAWINGS OF LS STOCK YARD SHED - MH-1	00
DRAWING NO.	DRAWING TITLE	REV

REFERENCE DOCUMENTS / DRAWINGS

CUSTOMER/PROJECT:
NTPC-3x800MW PATRATU SUPER THERMAL POWER PROJECT

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR WESTERN REGION, NAGPUR

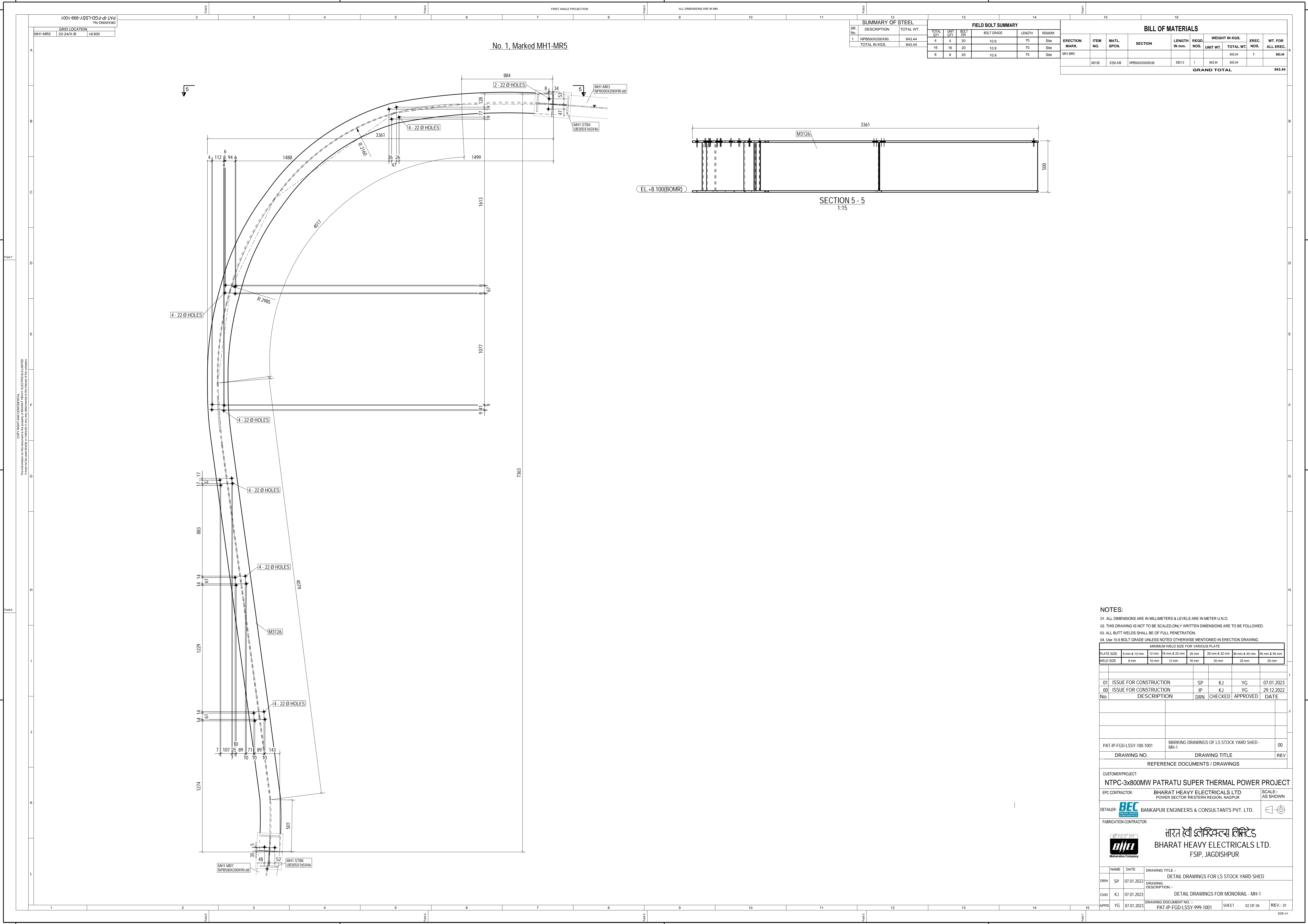
DETAILER: BEC BANKAPUR ENGINEERS & CONSULTANTS PVT. LTD.

FABRICATION CONTRACTOR:

भारत स्वी स्टेमिक्स लिमिटेड
BHARAT HEAVY ELECTRICALS LTD.
FSP, JAGDISHPUR

NAME	DATE	DRAWING TITLE :-	
DRN	SP	07.01.2023	DETAIL DRAWINGS FOR LS STOCK YARD SHED
CHD	KJ	07.01.2023	DETAIL DRAWINGS FOR MONORAIL - MH-1
APPD	YG	07.01.2023	DRAWING DOCUMENT NO. :- PAT-IP-FGD-LSSY-999-1001

SHEET 01 OF 04 REV.: 01



SUMMARY OF STEEL	
SR. No.	DESCRIPTION
1	NPB500X200X90
TOTAL IN KGS.	

FIELD BOLT SUMMARY					
TOTAL QTY	UNIT QTY	BOLT DIA	BOLT GRADE	LENGTH	REMARK
4	4	20	10.9	70	Site
16	16	20	10.9	70	Site
8	8	20	10.9	75	Site

BILL OF MATERIALS									
ERECTION MARK.	ITEM NO.	MATL. SPCL.	SECTION	LENGTH IN mm.	REQD. NOS.	WEIGHT IN KGS.		ERECTION NOS.	WT. FOR ALL EREC.
						UNIT WT.	TOTAL WT.		
MH1-MR5	M3126	E20 AB	NPB500X200X90.68	9011.0	1	843.44	843.44	1	843.44
GRAND TOTAL									843.44

NOTES:

01. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER U.N.O.

02. THIS DRAWING IS NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

03. ALL BUTT WELDS SHALL BE OF FULL PENETRATION.

04. Use 10.9 BOLT GRADE UNLESS NOTED OTHERWISE MENTIONED IN ERECTION DRAWING.

MINIMUM WELD SIZE FOR VARIOUS PLATE					
PLATE SIZE	8 mm & 10 mm	12 mm	16 mm & 20 mm	25 mm	28 mm & 32 mm
WELD SIZE	6 mm	10 mm	12 mm	16 mm	20 mm

01	ISSUE FOR CONSTRUCTION	SP	KJ	YG	07.01.2023
00	ISSUE FOR CONSTRUCTION	IP	KJ	YG	29.12.2022
No	DESCRIPTION	DRN	CHECKED	APPROVED	DATE

PAT-IP-FGD-LSSY-100-1001	MARKING DRAWINGS OF LS STOCK YARD SHED - MH-1	00
DRAWING NO.	DRAWING TITLE	REV

REFERENCE DOCUMENTS / DRAWINGS

CUSTOMER/PROJECT: NTPC-3x800MW PATRATU SUPER THERMAL POWER PROJECT

EPC CONTRACTOR: BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR WESTERN REGION, NAGPUR

DETAILER: BEC BANKAPUR ENGINEERS & CONSULTANTS PVT. LTD.

FABRICATION CONTRACTOR:

भारत हीव्ही इलेक्ट्रिकल्स लिमिटेड
BHARAT HEAVY ELECTRICALS LTD.
FSP, JAGDISHPUR

NAME	DATE	DRAWING TITLE
DRN	SP	07.01.2023
CHD	KJ	07.01.2023
APPD	YG	07.01.2023

DRAWING DESCRIPTION	DRAWING DOCUMENT NO.	SHEET	REV.
DETAIL DRAWINGS FOR MONORAIL - MH-1	PAT-IP-FGD-LSSY-999-1001	02 OF 04	01

A
B
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SECTION 6 - 6
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