

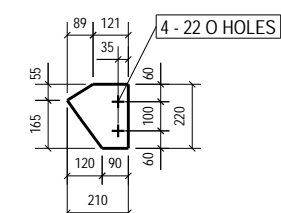
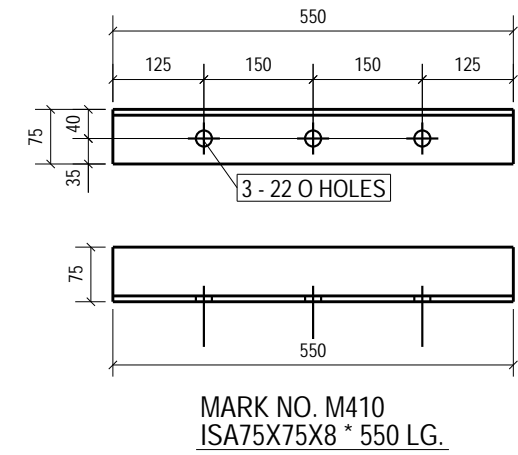
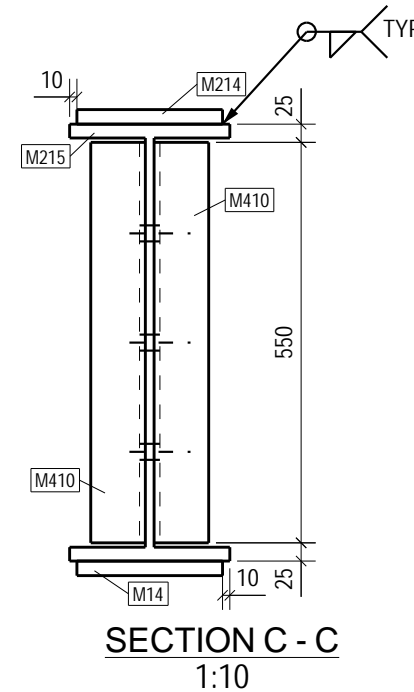
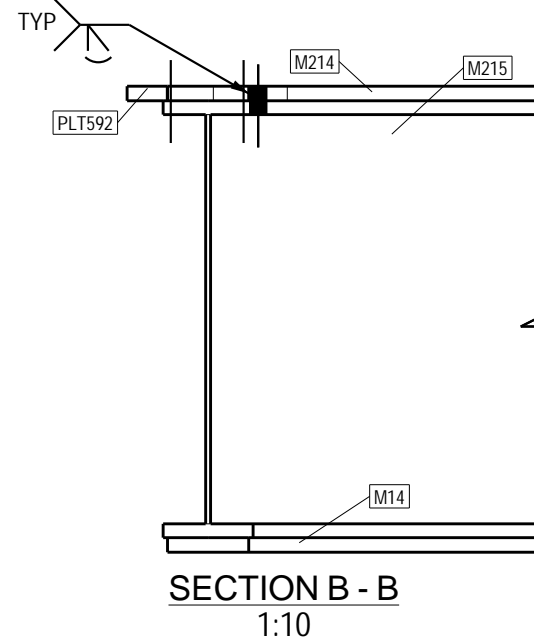
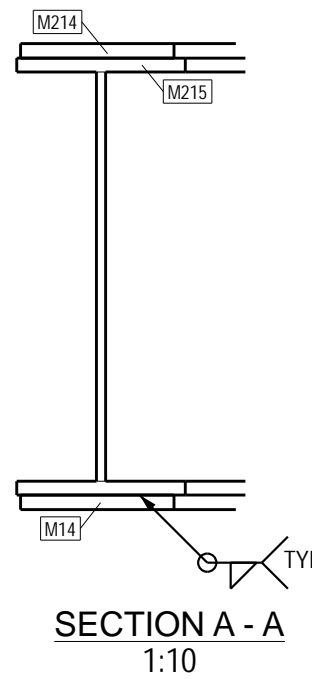
1 NOS - MONORAIL - MARKED AS MH2-MR1

SUMMARY OF STEEL		
SR. No.	DESCRIPTION	TOTAL WT.
1	ISA75X75X8	9.84
2	NPB600X220X122	1117.74
3	PLT 20 THK	581.05
TOTAL IN KGS		1798.63

FIELD BOLT SUMMARY				
TOTAL QTY	UNIT QTY	BOLT DIA	BOLT GRADE	LENGTH
3	3	20	10.9	70
2	2	20	10.9	100
8	8	20	10.9	100
4	4	20	10.9	100

BILL OF MATERIALS									
ERECTION MARK.	ITEM NO.	MATL. SPCL.	SECTION	LENGTH IN mm.	REQD. NOS.	WEIGHT IN KGS. UNIT WT.	TOTAL WT.	ERE. NOS.	WT. FOR ALL EREC.
MH2-MR1	M215	E250 AB	NPB600X220X122.45	9128.0	1	1117.74	1117.74		
	M14	E250 AB	PL20*200	9137.1	1	286.90	286.90		
	M214	E250 AB	PL20*200	9137.1	1	286.90	286.90		
	M410	E250 AB	ISA75X75X8	550.0	2	4.92	9.84		
	PLT592	E250 AB	PL20*210	220.0	1	7.24	7.24		
GRAND TOTAL							1798.63		1798.63

REV-2

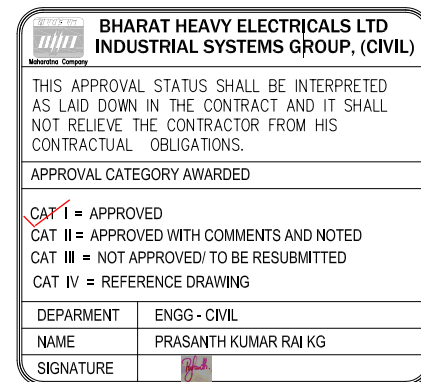


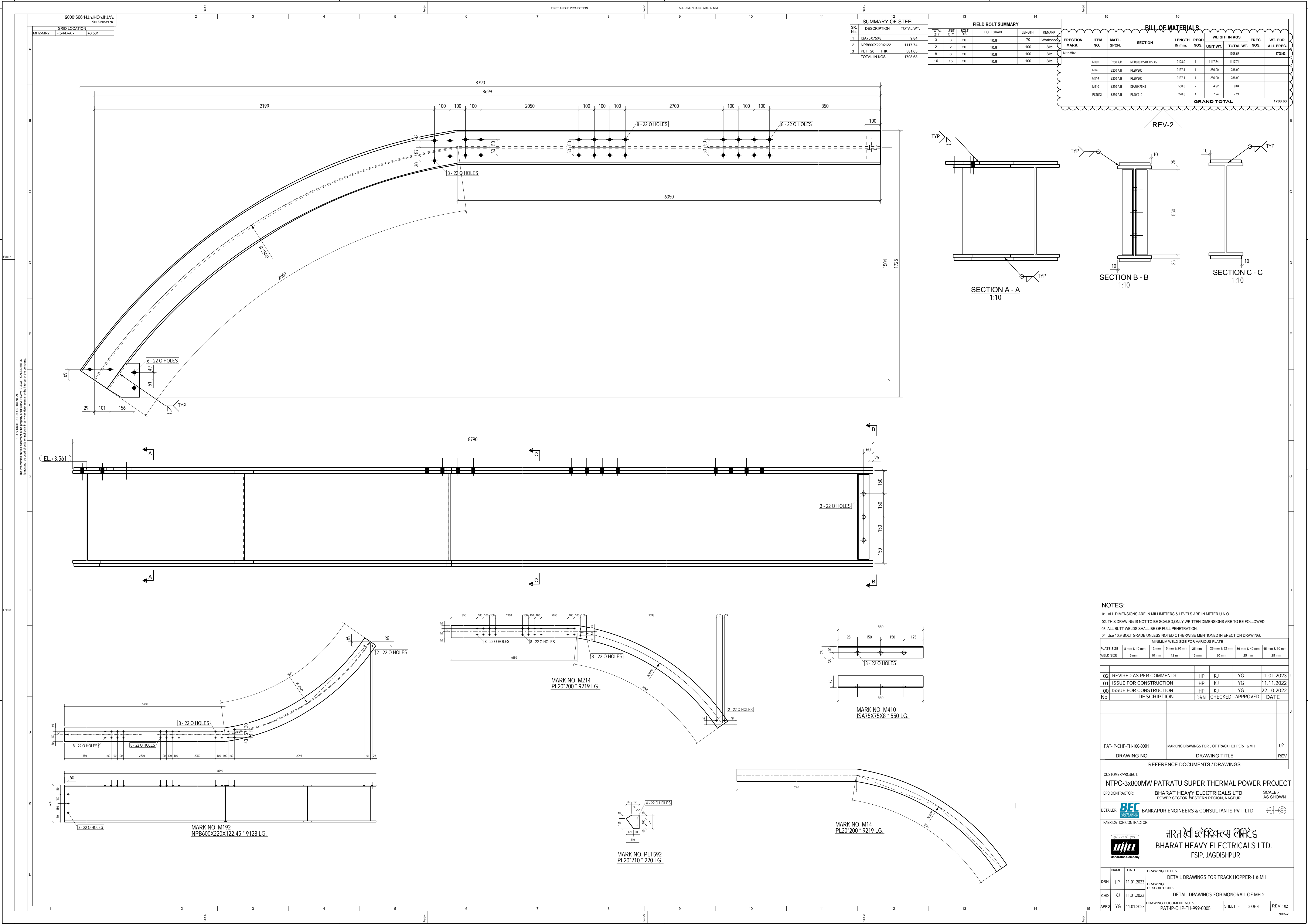
NOTES:				
01. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER U.N.O.				
02. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.				
03. ALL BUTT WELDS SHALL BE OF FULL PENETRATION.				
04. Use 10.9 BOLT GRADE UNLESS NOTED OTHERWISE MENTIONED IN ERECTION DRAWING.				
MINIMUM WELD SIZE FOR VARIOUS PLATE				
PLATE SIZE	8 mm & 10 mm	12 mm	16 mm & 20 mm	25 mm
WELD SIZE	6 mm	10 mm	12 mm	16 mm

02	REVISED AS PER COMMENTS	HP	KJ	YG	11.01.2023
01	ISSUE FOR CONSTRUCTION	HP	KJ	YG	11.11.2022
00	ISSUE FOR CONSTRUCTION	HP	KJ	YG	22.10.2022
No	DESCRIPTION	DRN	CHECKED	APPROVED	DATE

REFERENCE DOCUMENTS / DRAWINGS				
CUSTOMER/PROJECT:				
NTPC-3x800MW PATRATU SUPER THERMAL POWER PROJECT				
EPC CONTRACTOR:				
BHARAT HEAVY ELECTRICALS LTD POWER SECTOR WESTERN REGION, NAGPUR				
SCALE:- AS SHOWN				
DETAILER:				
BANKAPUR ENGINEERS & CONSULTANTS PVT. LTD.				
FABRICATION CONTRACTOR:				
Bharat Heavy Electricals Ltd. FSP, JAGDISHPUR				

DETAIL DRAWINGS FOR TRACK HOPPER-1 & MH				
DRN	HP	11.01.2023	DRAWING DESCRIPTION	
CHD	KJ	11.01.2023	DETAIL DRAWINGS FOR MONORAIL OF MH-2	
APPD	YG	11.01.2023	DRAWING DOCUMENT NO. :- PAT-IP-CHP-TH-999-0005	
SHEET			1 OF 4	REV.: 02









GRID LOCATION		
MH2-MR5	1b-1/C-CL	+3.597

1 NOS - MONORAIL - MARKED AS MH2-MR5

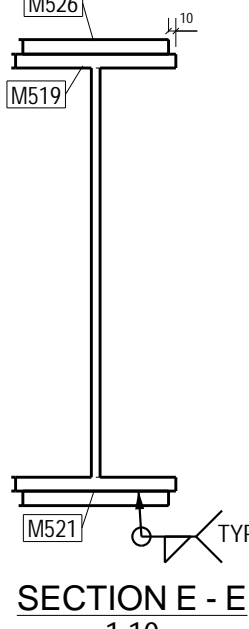
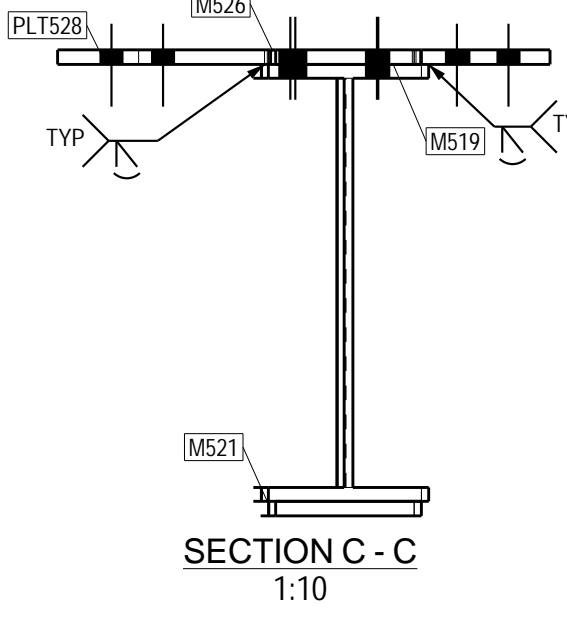
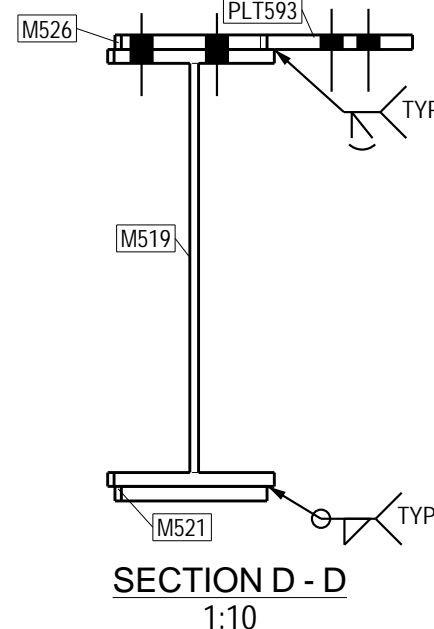
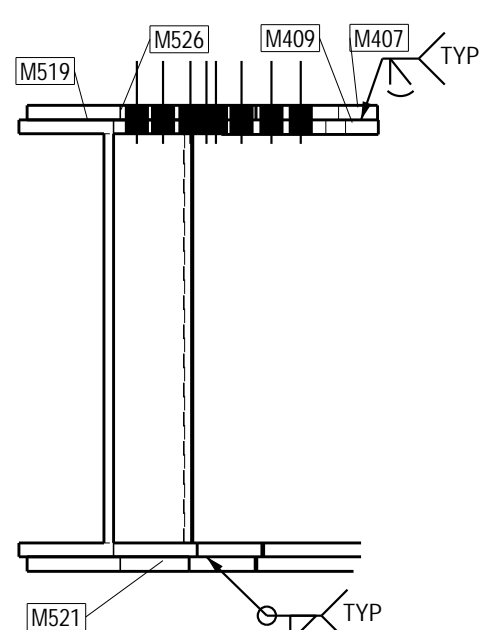
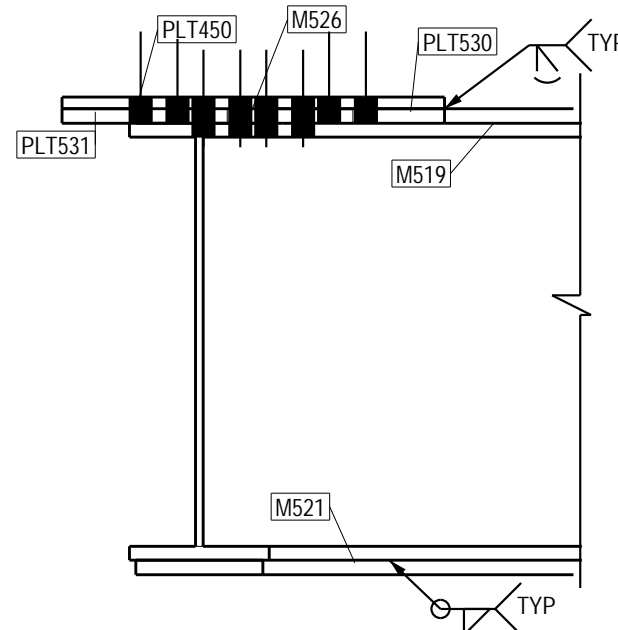
SUMMARY OF STEEL		
SR. No.	DESCRIPTION	TOTAL WT.
1	NPB600X220X122	852.23
2	PLT 16 THK	13.26
3	PLT 20 THK	482.16
TOTAL IN KGS		1347.65

FIELD BOLT SUMMARY				
TOTAL QTY	UNIT QTY	BOLT DIA	BOLT GRADE	LENGTH
2	2	20	10.9	100
4	4	20	10.9	100
8	8	20	10.9	100
4	4	20	10.9	120

BILL OF MATERIALS

ERECTION MARK.	ITEM NO.	MATL. SPCL.	SECTION	LENGTH IN mm.	REQD. NOS.	WEIGHT IN KGS.		EREC. NOS.	WT. FOR ALL EREC.
						UNIT WT.	TOTAL WT.		
MH2-MR5	M519	E200 AB	NPB600X220X122.45	6969.7	1	852.23	852.23	1	1347.65
	M407	E200 AB	PL20*100	498.3	1	4.40	4.40		
	M409	E200 AB	PL20*100	491.4	1	3.90	3.90		
	M521	E200 AB	PL20*200	6964.4	1	218.68	218.68		
	M526	E200 AB	PL20*200	6964.4	1	218.68	218.68		
	PLT450	E200 AB	PL16*220	480.0	1	13.26	13.26		
	PLT524	E200 AB	PL20*219	220.0	1	7.57	7.57		
	PLT528	E200 AB	PL20*220	338.1	1	11.71	11.71		
	PLT530	E200 AB	PL20*146	220.0	1	5.04	5.04		
	PLT531	E200 AB	PL20*141	220.0	1	4.86	4.86		
	PLT593	E200 AB	PL20*212	220.0	1	7.31	7.31		
	GRAND TOTAL								1347.65

REV-2



NOTES:

01. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER U.N.G.  
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	36 mm & 40 mm
WELD SIZE	6 mm	10 mm	12 mm	16 mm	20 mm	25 mm

02	REVISED AS PER COMMENTS	HP	KJ	YG	11.01.2023
01	ISSUE FOR CONSTRUCTION	HP	KJ	YG	11.11.2022
00	ISSUE FOR CONSTRUCTION	HP	KJ	YG	22.10.2022
No	DESCRIPTION	DRN	CHECKED	APPROVED	DATE

PAT-IP-CHP-TH-100-0001		MARKING DRAWINGS FOR 0 OF TRACK HOPPER-1 & MH		02
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 SCALE:- AS SHOWN

DETAILER: BEC BANKAPUR ENGINEERS & CONSULTANTS PVT. LTD.

FABRICATION CONTRACTOR:

भारत हीव्ही इलेक्ट्रिकल्स लिमिटेड

BHARAT HEAVY ELECTRICALS LTD.

FSIP, JAGDISHPUR

NAME DATE DRAWING TITLE:-

DRN HP 11.01.2023 DETAIL DRAWINGS FOR TRACK HOPPER-1 & MH

CHD KJ 11.01.2023 DRAWING DESCRIPTION:-

APPD YG 11.01.2023 DETAIL DRAWINGS FOR MONORAIL OF MH-2

DRAWING DOCUMENT NO.:- PAT-IP-CHP-TH-999-0005 SHEET 4 OF 4 REV.:- 02

SIZE-A1