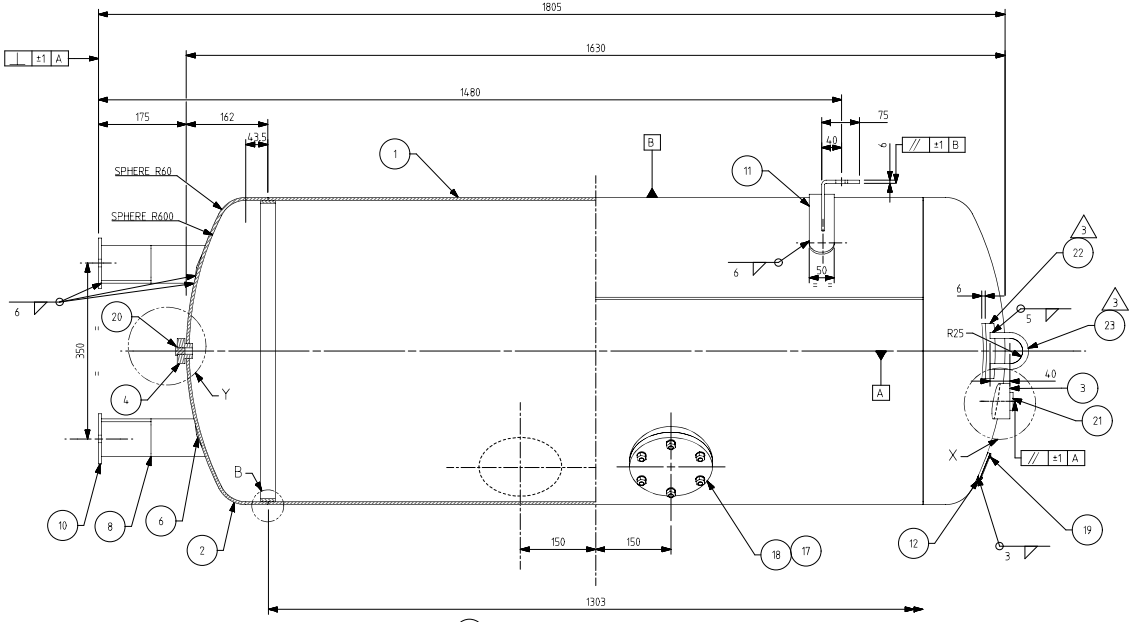
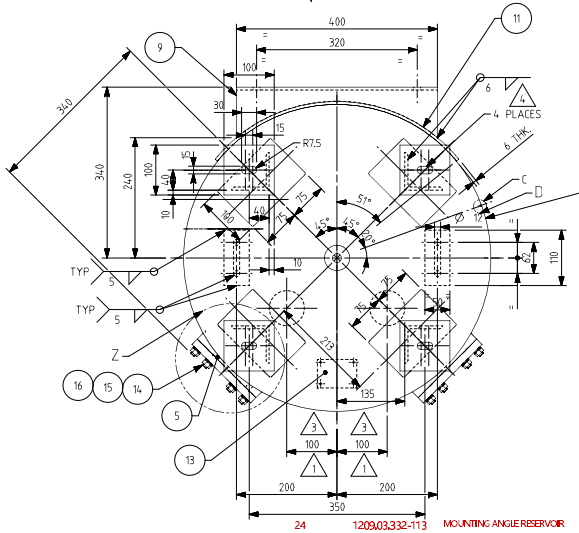
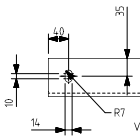
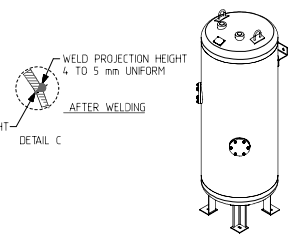
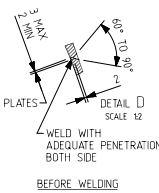
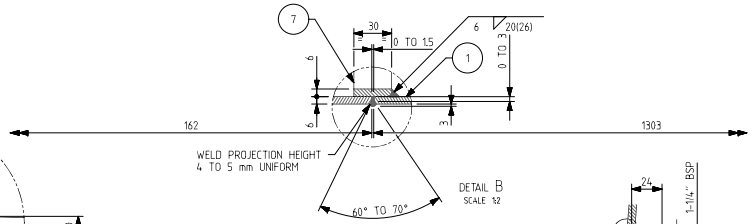


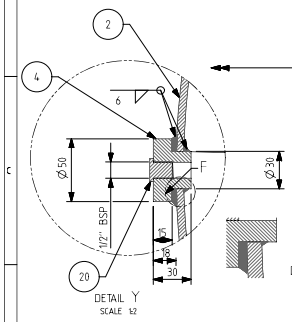


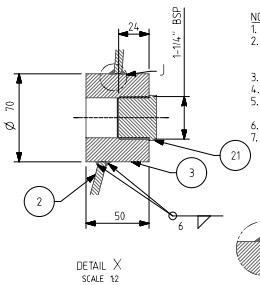




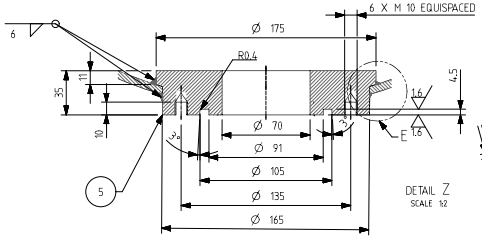


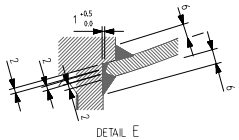


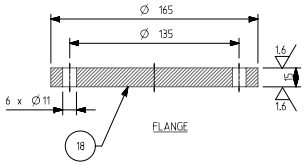












NOTE
1. ALL WELDS TO BE DONE ONLY BY CO2 WELDING.
2. CLEANING OF STEEL PLATES,FABRICATION, PAINTING BOTH OUTSIDE AND INSIDE AND TESTING OF RESERVOIRS SHOULD BE CARRIED OUT AS PER CLW'S SPECIFICATION NO CLW/MS/3/110
3. DESIGN PRESSURE 11.5 KG/cm^2
4. HYDRAULIC TEST PRESSURE 1-1/2 TIMES DESIGN PRESSURE,(16.5 Kg/cm^2)
5. NO UNFILLED RIDGE/NOTCH PERMITTED IN THE UNDERSIDE OF THE LONGITUDNAL WELD. TO ENSURE THIS,ADDITIONAL RUN OF WELDING MAY BE CARRIED OUT IN THE INSIDE OF SHELL.
6. MANUFACTURING AND TESTING AS PER IS:2825.
7. GENERAL OVERALL ALIGNMENTORIENTATION OF ATTACHMENT AND THE RESERVOIR ITSELF SHOULD BE IN CONFORMITY TO THE INSPECTION CHECKLIST ISSUED BY CLW

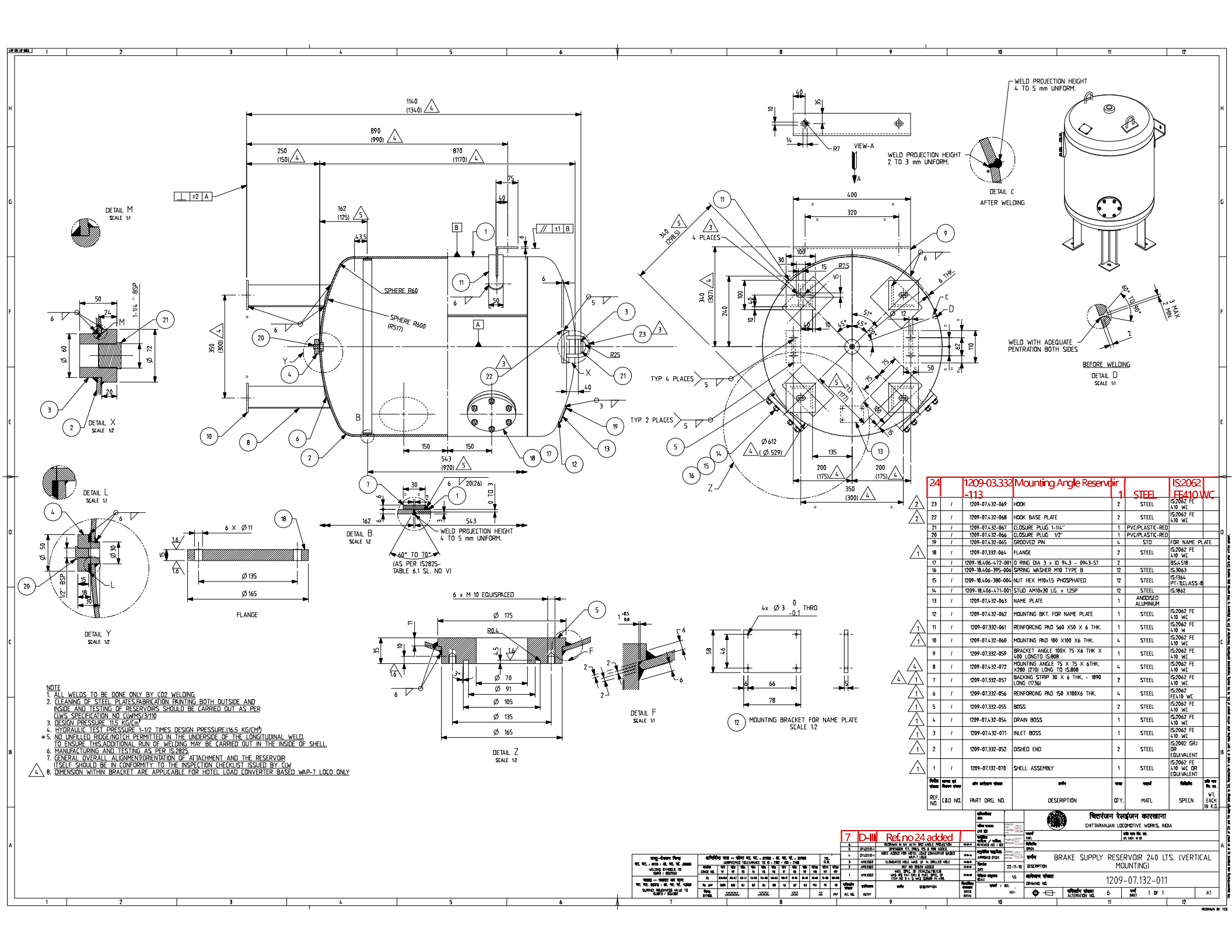
REF. NO.	C&D NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	UNIT WT. EACH IN K.G.
24	/	1209.03.332-113	MOUNTING ANGLE RESERVOIR	2	STEEL	IS:2062 FE 410 WC	
23	/	1209-07.432-069	HOOK	2	STEEL	IS:2062 FE 410 WC	
22	/	1209-07.432-068	HOOK BASE PLATE	2	STEEL	IS:2062 FE 410 WC	
21	/	1209-07.432-067	CLOSURE PLUG 1-1/4"	2	PVC/PLASTIC-RED		
20	/	1209-07.432-066	CLOSURE PLUG 1/2"	1	PVC/PLASTIC RED		
19	/	1209-07.432-065	GROOVED PIN	4	STD		
1	18	/	1209-07.332-064	FALNGE	2	STEEL	IS:2062 FE 410 WC
	17	/	1209-18.406-472-001	O RING DIA 3 x ID 94.3 - 0943-57	2	NEOPRENE RUBBER	BS:4518
	16	/	1209-18.406-395-006	WASHER HELICAL SPRING LOCK B 10 ZN PL. (PASS.)	12	STEEL	IS:3063
	15	/	1209-18.406-380-004	NUT HEX M10x1.5 PHOSPHATED	12	STEEL	IS:1364 PT-3,CLAS S-8
	14	/	1209-18.406-471-001	STUD AM10x30 LG.	12	STEEL	IS:1862
	13	/	1209-07.432-063	NAME PLATE	1	ANODISED ALUMINUM	IS:2062 FE 410 WC
	12	/	1209-07.432-062	MOUNTING BKT. FOR NAME PLATE	1	STEEL	IS:2062 FE 410 WC
1	11	/	1209-07.332-061	REINFORCING PAD 560 X50 X 6 THK.	1	STEEL	IS:2062 FE 410 W
1	10	/	1209-07.432-060	MOUNTING PAD 100 X100 X6 THK.	4	STEEL	IS:2062 FE 410 WC
	9	/	1209-07.332-059	BRACKET ANGLE 100 X 75 X 6 THK. X 400 LONG	1	STEEL	IS:2062 FE 410 WC
1	8	/	1209-07.432-058	MOUNTING ANGLE 100X75X6 THK.	4	STEEL	IS:2062 FE 410 WC
	7	/	1209-07.332-057	BACKING STRIP 30 X 6 THK.-1890 LONG	2	STEEL	IS:2062 FE 410 WC
	6	/	1209-07.332-056	REINFORCING PAD 150X100X6 THK.	4	STEEL	IS:2062 FE410 WC
1	5	/	1209-07.332-055	BOSS	2	STEEL	IS:2062 FE 410 WC
1	4	/	1209-07.432-054	DRAIN BOSS	1	STEEL	IS:2062 FE 410 WC
1	3	/	1209-07.432-053	INLET BOSS	2	STEEL	IS:2062 FE 410 WC
1	2	/	1209-07.332-052	DISHED END	2	STEEL	IS:2002 GR.I
1	1	/	1209-07.132-051	SHELL ASSEMBLY	1	STEEL	IS:2002 GR.I

REVISED BY	DATE	DESCRIPTION
6	DS/CEE /CAD	REF.NO.24 ADDED
5		REDRAWN IN RX WITH 3RD ANGLE PROJECTION
4	AMEI DSD	ELONGATED HOLE WAS Ø 14 DRILLED HOLE.
3	AMEI/DSD	REF NO 23 & 24 ADDED DIMENSION 50 WAS 150.
2	AMEI/DSD	MATL SPECN OF ITEM NO 12,17& 19,18 WAS IRSM 41/83 & MATL SPECN OF ITEM NO 3 & 5 WAS IS:2062 FE410.
1	AMEI/DSD	DIMENSION 150 WAS 130.

DRG. CHK.	17-02-00
ISSUED	15

चितरंजन रेलइंजन कारखाना
CHITTARANJAN LOCOMOTIVE WORKS, INDIA

DESCRIPTION: MAIN RESERVOIR 450 LITRES (VERTICAL MOUNTING)
DRAWING NO.: 1209-07.132-010
ALTERATION NO.: 5 | SHEET: 1 OF 1 | A1



NOTE

1. ALL WELDS TO BE DONE ONLY BY CO2 WELDING.
2. CLEANING OF STEEL PLATES,FABRICATION PAINTING BOTH OUTSIDE AND INSIDE AND TESTING OF RESERVOIRS SHOULD BE CARRIED OUT AS PER CLWS SPECIFICATION NO CLWMS/3/110
3. DESIGN PRESSURE 11.5 KG/Cm^2
4. HYDRAULIC TEST PRESSURE 1-1/2 TIMES DESIGN PRESSURE.(16.5 KG/CM^2)
5. NO UNFILLED RIDGE/NOTCH PERMITTED IN THE UNDERSIDE OF THE LONGITUDINAL WELD. TO ENSURE THIS,ADDITIONAL RUN OF WELDING MAY BE CARRIED OUT IN THE INSIDE OF SHELL.
6. MANUFACTURING AND TESTING AS PER IS:2825.
7. GENERAL OVERALL ALIGNMENT/ORIENTATION OF ATTACHMENT AND THE RESERVOIR ITSELF SHOULD BE IN CONFORMITY TO THE INSPECTION CHECKLIST ISSUED BY CLW
8. DIMENSION WITHIN BRACKET ARE APPLICABLE FOR HOTEL LOAD CONVERTER BASED WAP-7 LOCO ONLY

REF. NO.	C&D NO.	PART DRG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH IN K.G.
24		1209-03.332 -113	Mounting Angle Reservoir	1	STEEL	IS:2062 FE410 WC	
23	/	1209-07.432-069	HOOK	2	STEEL	IS:2062 FE 410 WC	
22	/	1209-07.432-068	HOOK BASE PLATE	2	STEEL	IS:2062 FE 410 WC	
21	/	1209-07.432-067	CLOSURE PLUG 1-1/4"	1	PVC/PLASTIC-RED		
20	/	1209-07.432-066	CLOSURE PLUG 1/2"	1	PVC/PLASTIC-RED		
19	/	1209-07.432-065	GROOVED PIN	4	STD	FOR NAME PLATE	
18	/	1209-07.332-064	FLANGE	2	STEEL	IS:2062 FE 410 WC	
17	/	1209-18.406-472-001	O RING DIA 3 x ID 94.3 - 0943-57	2		BS4518	
16	/	1209-18.406-395-006	SPRING WASHER M10 TYPE B	12	STEEL	IS:3063	
15	/	1209-18.406-380-004	NUT HEX M10x1.5 PHOSPHATED	12	STEEL	IS:1364 PT-3,CLASS-B	
14	/	1209-18.406-471-001	STUD AM10x30 LG. x 1.25P	12	STEEL	IS:1862	
13	/	1209-07.432-063	NAME PLATE	1	ANODISED ALUMINUM		
12	/	1209-07.432-062	MOUNTING BKT. FOR NAME PLATE	1	STEEL	IS:2062 FE 410 WC	
11	/	1209-07.332-061	REINFORCING PAD 560 X50 X 6 THK.	1	STEEL	IS:2062 FE 410 W	
10	/	1209-07.432-060	MOUNTING PAD 100 X100 X6 THK.	4	STEEL	IS:2062 FE 410 WC	
9	/	1209-07.332-059	BRACKET ANGLE 100X 75 X6 THK X 400 LONGTO IS:808	1	STEEL	IS:2062 FE 410 WC	
8	/	1209-07.432-072	MOUNTING ANGLE 75 X 75 X 6THK. X280 (270) LONG TO IS:808	4	STEEL	IS:2062 FE 410 WC	
7	/	1209-07.332-057	BACKING STRIP 30 X 6 THK. - 1890 LONG (1736)	2	STEEL	IS:2062 FE 410 WC	
6	/	1209-07.332-056	REINFORCING PAD 150 X100X6 THK.	4	STEEL	IS:2062 FE410 WC	
5	/	1209-07.332-055	BOSS	2	STEEL	IS:2062 FE 410 WC	
4	/	1209-07.432-054	DRAIN BOSS	1	STEEL	IS:2062 FE 410 WC	
3	/	1209-07.432-071	INLET BOSS	1	STEEL	IS:2062 FE 410 WC	
2	/	1209-07.332-052	DISHED END	2	STEEL	IS:2002 GRJ OR EQUIVALENT	
1	/	1209-07.132-070	SHELL ASSEMBLY	1	STEEL	IS:2062 FE 410 WC OR EQUIVALENT	

7 D-III Ref.no 24 added

6	DY.CEO/D-I	REDRAWN IN IOC WITH 3RD ANGLE PROJECTION
5	DY.CEO/D-I	DIMENSION 17, 29&5, 105 & 909 ADDED.
4	AME/CEO	NOTE ADDED FOR HOTEL LOAD CONVERTER BASED WAP-7 LOCO
3	AME/CEO	ELONGATED HOLE WAS Ø 14 DRILLED HOLE
2	AME/CEO	REF. NO. SPECN ADDED
1	AME/CEO	MATL SPEC. OF FERRULE,WATER WAS MS PVT.CRS. & PLATE SPEC. OF ITEM NO. 8 & 9 WAS GRADE FE-410.

DRAWN	
TRACED	
CHECKED	
APPROVED	22-11-10
SCALE	1.5

चितरंजन रेलइंजन कारखाना
CHITTARANJAN LOCOMOTIVE WORKS, INDIA

DESCRIPTION: BRAKE SUPPLY RESERVOIR 240 LTS. (VERTICAL MOUNTING)

DRAWING NO. 1209-07.132-011

ALTERATION NO. 6 | SHEET 1 OF 1 | A1

REDRAWN BY TCS