



ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY
d	26/02/2010	ALL	1. DRG. NO. OF ITEM 44 WAS MEMU/TC2-1-3-202, COL-I AND ITEM 48, 49 ADDED.	CME
e	18/11/2016	ALL	ITEM NO 22 DELETED AND ITEM NO 50 ADDED DRAWING UPDATED ACCORDINGLY	DY CME/DI
M1	27-3-15		IN DRG. SECTION 'CC', 'GG' & ITEM-24 LOCATION CHANGED ECN NO. 84900056	MVR/ENTERED
M2	22-11-17		ITEM-48 DELETED, ITEM-52 ADDED NOTE 3 DELETED & NOTE 4 & 5 ADDED. LATEST RCF ALT. 'e' UPDATED, ECN NO. 84900008	M.R. INTO D.S. DATA BASE

50	BRACKET COMPLETE FOR EP UNIT	1	ET11153	NIL	NIL
49	FLOORING SUPPORT OF S.S. INLAY	1	ET10125	NIL	NIL
48	MOUNTING OF INLAY FOR LAVATORY	1	ET11142	NIL	NIL
47	BODY BOLSTER COMPLETE	2	ET11139	NIL	NIL
46	RIB	4	MEMU/TC2-1-1-204	NIL	ITEM-8
45	ARRGT. OF BRACKETS ON UNDERFRAME FOR AIR BRAKE PIPES	1	ET11127	NIL	NIL
44	FLOOR SUPPORT	2	ET10126	NIL	NIL
43	CHANNEL L-744	1	ET11124 -03	NIL	NIL
42	CHANNEL L-744	1	ET11123 -03	NIL	NIL
41	CHANNEL	2	ET11126	NIL	NIL
40	CHANNEL	2	ET11125	NIL	NIL
39	CHANNEL	4	MEMU/TC2-1-1-205	NIL	ITEM-22
38	CHANNEL L-750	2	ET11124 -04	NIL	NIL
37	CHANNEL L-750	2	ET11123 -04	NIL	NIL
36	CHANNEL	1	ET11118	NIL	NIL
35	CHANNEL	1	ET11117	NIL	NIL
34	CHANNEL L-547	1	ET11123 -02	NIL	NIL
33	CHANNEL L-547	1	ET11124 -02	NIL	NIL
32	CHANNEL L-523	2	ET11123 -01	NIL	NIL
31	CHANNEL L-523	2	ET11124 -01	NIL	NIL
30	SIDE BEARER ASSEMBLY	4	ET11130	NIL	COL-II
29	TROUGH FLOOR ASSEMBLY	1	ET13100	NIL	NIL
28	RESERVOIR SUPPORT	2	BMU-I-1-179	NIL	ITEM-3
27	ANGLE FOR AUX. RESERVOIR	2	MEMU/TC2-1-1-205	NIL	ITEM-30
26	ANGLE FOR AUX. RESERVOIR	2	MEMU/TC2-1-1-205	NIL	ITEM-29
25	HAND LAMP BRACKET	2	BMU-I-1-267	NIL	COL-IV
24	LIFTING LUG	4	BMU-I-1-100	NIL	ITEM-3
23	RESERVOIR SUPPORT	4	BMU-I-1-179	NIL	ITEM-2
22	BRACKET COMPLETE FOR EP UNIT	1	BMU-I-1-095	NIL	COL-II
21	CHANNEL L-523	20	ET11116	NIL	NIL
20	CHANNEL	2	ET11122	NIL	NIL
19	CHANNEL	2	ET11121	NIL	NIL
18	CHANNEL FOR DOORWAY	4	ET11120	NIL	NIL
17	CHANNEL FOR DOORWAY	4	ET11119	NIL	NIL
16	CHANNEL FOR DOORWAY	4	MEMU/TC2-1-1-205	NIL	ITEM-9
15	CHANNEL L-547	2	ET11116	NIL	NIL
14	CROSS BEARER	11	ET11114	NIL	NIL
13	CENTRE SILL	2	ET11113	NIL	NIL
12	CENTRE SILL	2	ET11112	NIL	NIL
11	DOORWAY STIFFENER	2	ET11111	NIL	NIL
10	DOORWAY STIFFENER	4	MEMU/TC2-1-1-205	NIL	ITEM-33
9	DOORWAY STIFFENER	2	ET11110	NIL	NIL
8	DOORWAY STIFFENER	2	ET11109	NIL	NIL
7	STIFFENER FOR LIFTING PAD	8	ET11108	NIL	NIL
6	LIFTING PAD	8	F-1-1-015	NIL	COL-II
5	HEAD STOCK COMPLETE	1	ET12100	NIL	NIL
4	HEAD STOCK COMPLETE	1	ET12101	NIL	NIL
3	BODY BOLSTER COMPLETE	2	MEMU/TC2-1-1-203	NIL	COL-I
2	LONGITUDINAL BEAM R.H	1	ET11102	NIL	NIL
1	LONGITUDINAL BEAM L.H	1	ET11101	NIL	NIL

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	OPASSLY	DETAIL DRG.	MATL. & SPEC.	REMARKS
NIL	M	GROUP	UNDERFRAME			
WEIGHT	FILE	\\10.12.17.2\shel\1\amar\ET1110052e.PRT (2D)				
NIL	KG	UNDERFRAME ARRANGEMENT				
S. AREA	M	FOR MEMU/TC2				
NIL	M ²	RAIL COACH FACTORY, KAPURTHALA				
LENGTH/B+T	M	21.187				
WIDTH/TH+EK	M	2.692				
HEIGHT	M	0.420				

SCALE	SSEX/REC	CHD	JPSN	AMAR
1:30				
DRN				
REF.DRG. No.	MEMU/TC2-1-1-201 COL-I ALT-9			
PL NO.	00000000			
DRG. NO.	ET11100			
ALT.	e			
SIZE	A1 SHEET 2/2			

DATE OF FIRST ISSUE	18/03/1999	CGM BY	
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.	DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.		
FOR UNTOLERANCED DIMENSIONS REFER MDG0008			

THIS DRAWING IS THE INTELLECTUAL PROPERTY OF RAIL COACH FACTORY, KAPURTHALA. THIS DRAWING SHOULD NOT BE REPRODUCED, ALTERED, USED FOR MANUFACTURING OF COMPONENTS, SOLD OR TRANSFERRED WITHOUT PERMISSION FROM CHIEF DESIGN ENGINEER, RAIL COACH FACTORY, KAPURTHALA.

NOTE :-
1. ALL HOLES TO BE JIG DRILLED.
2. DIM. MARKED IN BLOCK TO BE MAINTAINED STRICTLY.

* 3. RADIOGRAPHY OF WELDING IS COMPULSORY AT THE JOINT OF SIDE BEARER WITH BOTTOM FLANGE OF BODY BOLSTER.

* 4. DPT. OF WELDING IS COMPULSORY AT THE JOINT OF SIDE BEARER TUBE WITH BOTTOM FLANGE OF BODY BOLSTER ON RANDOM SAMPLE BATCH PRODUCTION.

* 5. UNDERFRAME ASSY. TO BE SHOT BLASTED/GRIT BLASTED AND GIVEN ONE COAT OF PRIMER TO RDSO SPECN. M&G/CN/100/2009

* 6. FOR ITEM P.1 & P.2 ASSY. DPT. OF WELDING IS COMPULSORY AT THE JOINTS OF LONGITUDINAL BEAMS ON RANDOM SAMPLE PRODUCTION.

* 7. ITEM P.53 & P.54 IS ONLY FOR OUTSOURCING ACTIVITY.

M5	26-05-2020	IN B/M COL-II ADDED FOR P.30. IN B/M P.53 & P.54 ADDED. NOTE NO.6 ADDED.	D.S
M4	07-12-2019	IN DRG. ITEM-24 LOCATION CHANGED	M.R.
		ECN No 84900130	D.S
			M.R.

54	INSTALLATION OF MOUNTING FRAME FOR EW/EP/WT	1	849-40401	NIL	NIL
53	UNDERFRAME ELECTRICAL SUPPORT BRACKETS INSTALLATION-TC	1	849-56101	NIL	NIL
52	MOUNTING ARGT. OF BIO DIGESTER TANK ON MEMU/TC U/F	1	849-25101	NIL	NIL
51	CROSS BEARER	12	MEMU/TC2-1-3-201	NIL	ITEM-2
ITEM	DESCRIPTION & DIMENSIONS	Q.P. ASSY.	DETAIL DRG.	MATL. & SPEC.	REMARKS