DC/EMUM/ASR-0-3-003 M2

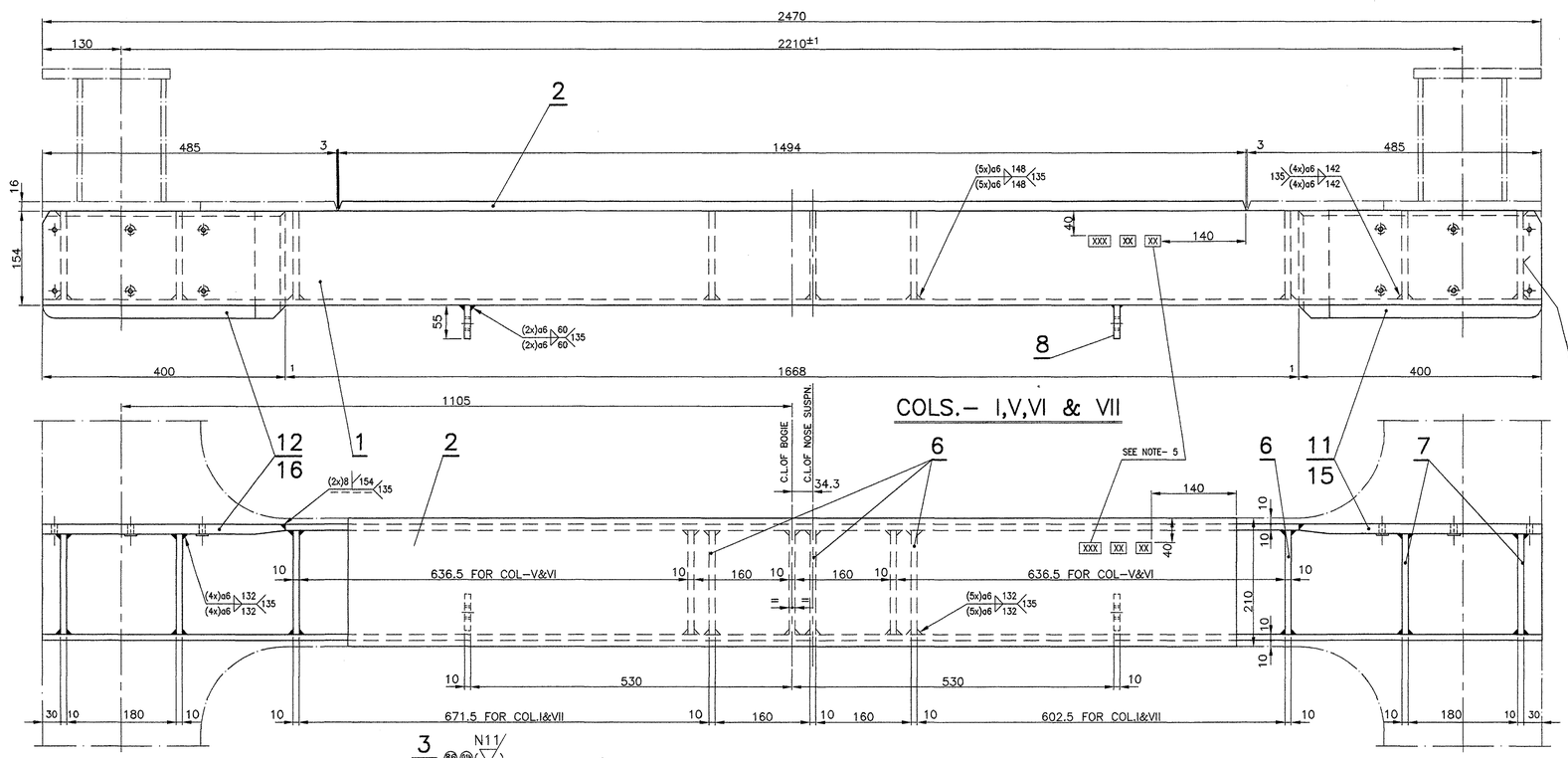
REV.	DATE	CHANGE	BY/APP.
1	15.4.06	RM SIZE FOR P.1 ALTERED. TOLERANCE FOR (P.1)DIM.154 ADDED ECN NO.90600399	MRS / TPS
2		10/99 QTY. FOR AC/DC EMU/C2/ASR, AC/DC EMU/D2/ASR IN COLS–I,II,III & QTY. FOR AC/DC EMU/B2/ASR IN COLS–I TO IV AND ASSY. DRG. NO. AC/DC EMU/B2/ASR–0–3–201 ADDED. SSE –Sd– SME/BD.	
3	19.05.11	ICF LATEST DRG. RELEASED. DIM.465 WAS 480 ECN. NO. 90600556	N.R. / H.S.C

▽	ROUGH MACHINED
▽▽	FINISH MACHINED
▽▽▽	FINE FINISH MACHINED
(01)	ROUGH CLEANED
(11)	BURRS REMOVED
(18)	CHAMFERED
(86)	FLAME CUT

ALTERATIONS

(h) 07/04
ITEMS–15&16 WITH COLS.VI&VII ADDED.IN REMARKS COL. OF ITEM–2, ITEM–1 ADDED. DIMENSIONS 500 &1464 OF OF SIDE FRAME BOTTOM FLANGE & TRANSOM TOP FLANGE ALTD. TO 485 & 1494 RESPECTIVELY AS PER DETAIL.FOR ITEM–1 RM SIZE ALTD.FROM 10x462@2470 TO 10x465x2470.QTY FOR AC/DCEMU/M3,M4,M5,M6&M7,AC/DC EMU/C3,C4,C5&C6,AC/DCEMU/D3,D4, D5&D6,AC/DCEMU/D2/HC,D3/HC, D4/HC,D5/HC,EMU/2C,3C,4C,5C,6C, 7C/ASR,EMU/2D,3D,4D,5D,6D,7D/ASR, EMU/2A/ASR,EMU/3A/ASR IN COLS.I TO IV AND QTY.FOR DMU/DPC6,7,8,9 &10,AC EMU/M/ASR,EMU/M3,M4,M5, M6,M7/ASR,AC EMU/M WITH FUJI T.M IN COLS.II TO V ADDED.
–sd– 24–7–2004
SSE/D SME/BD

(j) 12/2008
NOTE– 4 & 5 ADDED. FOR ITEMS–3,4,15 & 16 MAT SPEC ALTD FROM IS:2062–99 Fe 410 WC TO IS:2062 –2006 E 250 Cu C. FOR ITEMS–13 & 14 MAT SPEC UPDATED. WELDING ANNOTATIONS & M/C SYMBOLS REVISED AS PER IS:813 & IS:10719 RESPECTIVELY.
SSE/D SME/D



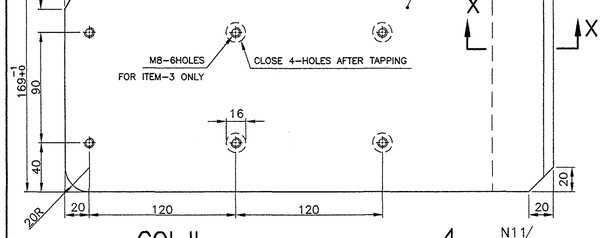
No. OF ASSY. REQD. PER COACH							
TYPE OF COACH \ COLS.	I	II	III	IV	V	VI	VII
(e) AC/DC EMU/M2, AC/DC EMU/M3, AC/DC EMU/M4, AC/DC EMU/M5, AC/DC EMU/M6, AC/DC EMU/M7 DC/EMUM/ASR							
AC/DC EMU/C2, AC/DC EMU/C3, AC/DC EMU/C4, AC/DC EMU/C5, AC/DC EMU/C6, EMU/2C/ASR EMU/3C/ASR,EMU/4C/ASR,EMU/5C/ASR EMU/6C/ASR,EMU/7C/ASR,EMU/2D/ASR EMU/3D/ASR,EMU/4D/ASR,EMU/5D/ASR EMU/6D/ASR,EMU/7D/ASR,EMU/2A/ASR EMU/3A/ASR	4	4	4	–	–	–	4
▲ AC/DC EMU/D2, AC/DC EMU/D3, AC/DC EMU/D4, AC/DC EMU/D5 AC/DC EMU/D6, (DRIVING TRAILER) AC/DC EMU/D2/HC, AC/DC EMU/D3/HC AC/DC EMU/D4/HC, AC/DC EMU/D5/HC							
(f) DMU/DPC5,6,7,8,9&10 AC EMU/M/ASR,EMU/M3/ASR,EMU/M4/ASR, EMU/M5/ASR,EMU/M6/ASR,EMU/M7/ASR AC EMU/M/ASR WITH FUJI TRACTION MOTOR	–	4	4	–	4	4	–

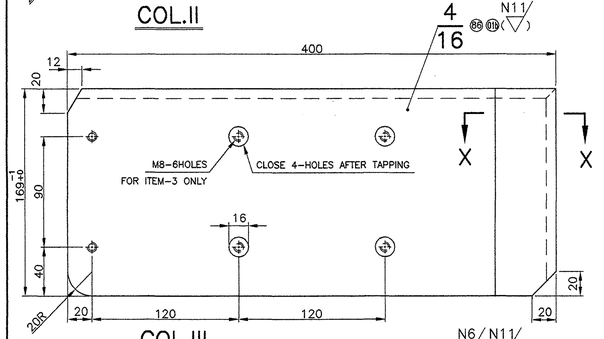
SUB–ASSEMBLIES

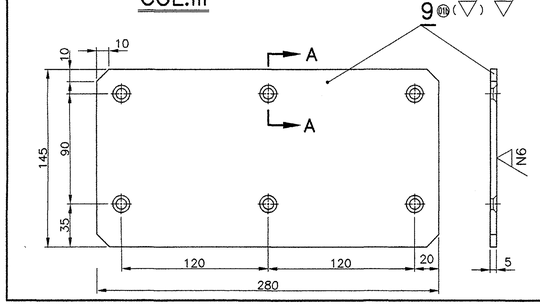
COLS– I & V: TRANSOM COMPLETE FOR STEEL RUBBING PLATE
COL–II : SIDE PLATE COMPLETE RH
COL–III : SIDE PLATE COMPLETE LH
COL–IV : LOOSE ITEMS
COLS– VI & VII: TRANSOM COMPLETE FOR MANGANESE STEEL LINER

NOTE

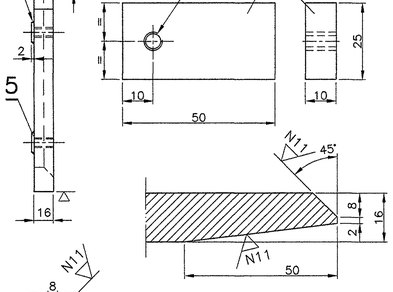
1. ALTERNATIVELY MATL. TO IRS.R–65–78 (MANGANESE STEEL) MAY BE USED FOR ITEM–9.
2. FOR UNTOLERENCED DIMENSIONS REFER ICF/STD–9–0–001.
3. BOX SECTIONS SHALL BE SEALED WITH APPROVED QUALITY OF SEALING COMPOUND TO IS:1580–69 TO AVOID MOISTURE CREEP.
4. ALTERNATIVELY MATERIAL TO IS:2062 E250 Cu C MAY BE USED IN LIEU OF IRS M41.
5. SPECIAL CONDITION FOR SUPPLY OF TRANSOM TO ICF
   a. TOP FLANGE SHALL BE SUPPLIED SEPARATELY.
   b. MANUFACTURER'S NAME/LOGO, MONTH & YEAR OF MANUFACTURE (LAST TWO DIGITS) SHALL BE STAMPED IN 5mm HEIGHT LETTERS AS SHOWN.

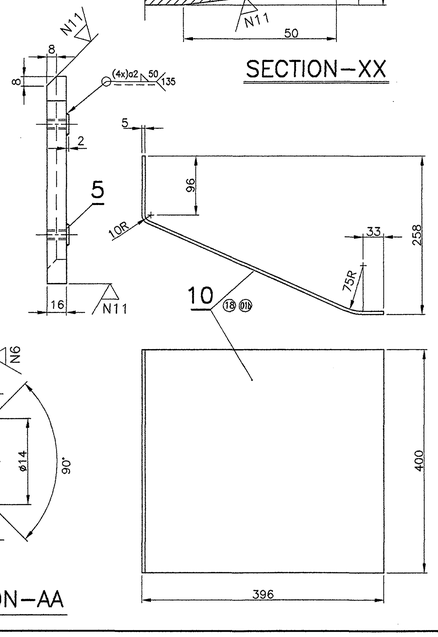


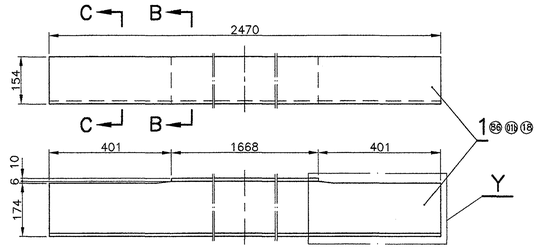


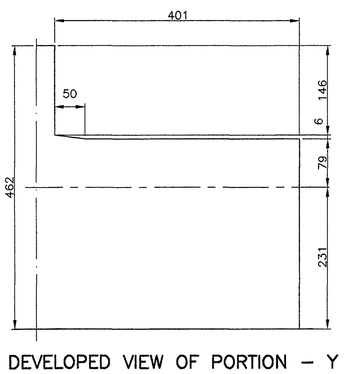


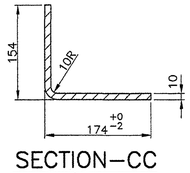
SECTION–AA

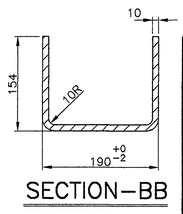












ITEM	REF.DRG	DESCRIPTION & DIMENSIONS	MATL. & SPEC.	WEIGHT/UNIT	REMARKS
16	R108201016	SIDE PLATE LH 16x169x400	IS: 2062–2006 E 250 Cu C	8.103 kg	
15	R108201016	SIDE PLATE RH 16x169x400	IS: 2062–2006 E 250 Cu C	8.103 kg	
14	R105208025	SCREWING PIECE ø25x10	IS: 2062–2006 E 250 A	0.036 kg	FROM ø25
13	C100101010	SCREWING PIECE 50x10x25	IS: 2062–2006 E 250 A	0.096 kg	
12	DC/EMUM/ASR 0–3–003	SIDE PLATE COMPLETE LH		8.093kg	COL–III
11	DC/EMUM/ASR 0–3–003	SIDE PLATE COMPLETE RH		8.093kg	COL–II
10	R101501005	BOTTOM COVER SHEET 5x400x527	IRS.M–41–97	8.274 kg	SEE NOTE–4
9	R101501005	RUBBING PLATE 5x145x280	IRS.M–41–97	1.573 kg	FROM 6mm PLATE SEE NOTE – 1 & 4
8	EMU/M 0–3–041	LUG COMPLETE		1.850 kg	COL–I
7	R101501010	RIB 10x142x162	IRS.M–41–97	1.798 kg	SEE NOTE–4
6	DHMU/DPC 0–3–002	RIB		1.865 kg	ITEM–7
5	R101502200	CLOSING PLATE 2xø16	IRS.M–41–97	0.003 kg	FROM CARLINE OFFCUTS SEE NOTE – 4
4	R108201016	SIDE PLATE LH 16x169x400	IS: 2062–2006 E 250 Cu C	8.081 kg	
3	R108201016	SIDE PLATE RH 16x169x400	IS: 2062–2006 E 250 Cu C	8.081 kg	
2	EMU/M 0–3–032	TOP FLANGE		39.18 kg	ITEM–1 SEE NOTE – 5
1	R101501010	CHANNEL 10x465x2470	IRS.M–41–97	83.436 kg	SEE NOTE–4

No. OFF							
VII	VI	V	IV	III	II	I	GROUP: 0–3 BOGIE FRAME ARRGT.
PER ASSY	PER ASSY	PER ASSY	PER COACH	PER ASSY	PER ASSY	PER ASSY	
⊖	⊖	⊖	⊖	⊖	⊖	⊖	
⊙			⊙	⊙	⊙	⊙	
▲			▲	▲	▲	▲	

ACEMU/M/ASR–0–3–004
DMU/DPC10–0–3–013
ICF/MRVC/D–0–3–001
ICF/MRVC/M–0–3–001
DMU/DPC10–0–3–001
AC/DC EMU/M2–0–3–201
DMU/DPC5–0–3–501
DC/EMUM/ASR–0–4–001
DC/EMUM/ASR–0–3–001
ASSEMBLY DRAWINGS

SUPERSEDED BY:
SUPERSEDES:DC/EMUM/ASR–0–3–003 alt.h/2

TRANSOM COMPLETE AND DETAILS
FOR AIR–SPRING SUSPENSION BOGIE

CAD FILE: C:\MD–CAD\189\0–3\003–SJ02.DWG

SCALE	SSE/D	
1:5	CHD	
1:2.5	ALT	M.Sabapathynathan
1:1	DRN	B.Chandrasekaran
2:1	ALT	j

INTEGRAL COACH FACTORY CHENNAI – 600 038 M2

DATA CODE NO: 189

INDIAN RAILWAY STANDARDS

SHEET 1 OF 1

DC/EMUM/ASR–0–3–003

2	ALT	04–12–2008	30–9–1997	
		DATE OF LATEST ALTN	DATE OF FIRST ISSUE	SME/D

FORM IR A1 840 x 600