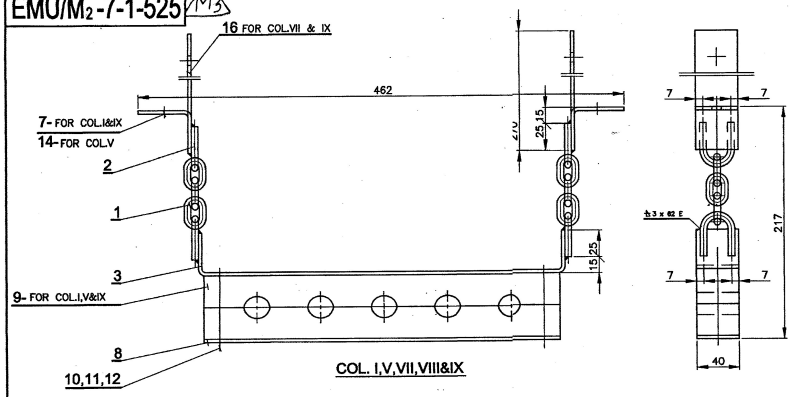
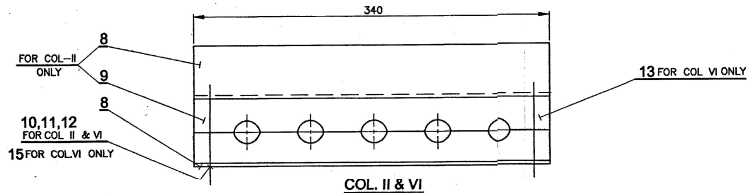
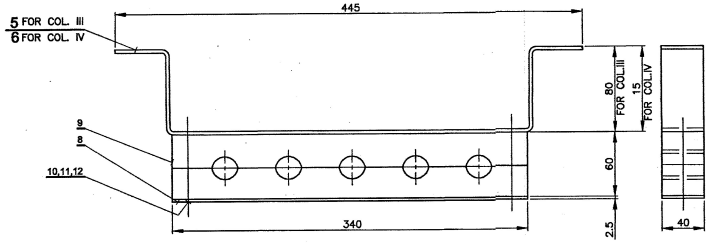
EMU/M2-7-1-525 M3



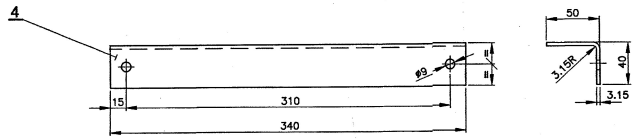
COL. I,V,VII,VIII&IX

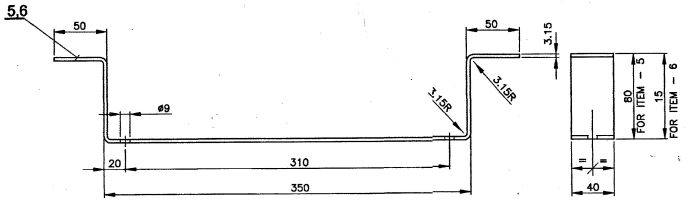


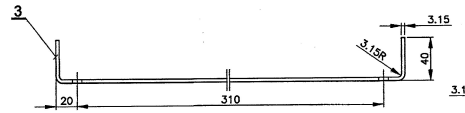
COL. II & VI

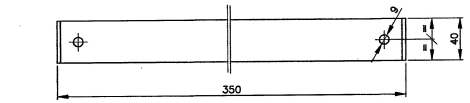


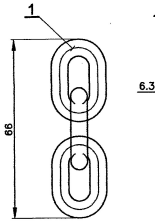
COL. III & COL. IV

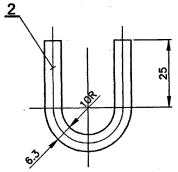


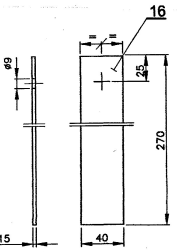


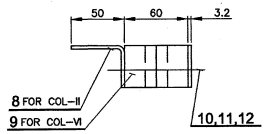


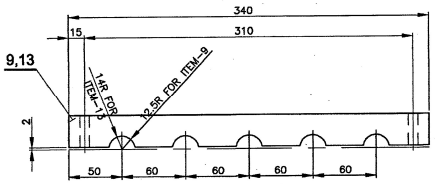


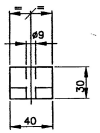


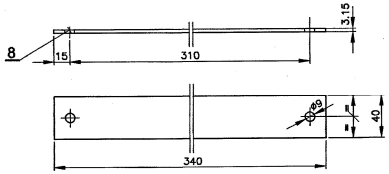












NOTE:-

* * 1. CHAIN LINKS OF DIA. 6.3 AS PER IS:2429– 67, PART I.

2. RM SIZE 3.15 OF IRS.M41–74 GR I SHALL BE USED AS AN ALTERNATIVE TO RM SIZE 3.2 OF IRS.M36

* 3. FIBRE GLASS REINFORCED PLASTIC FROM SHEET MOULDING COMPOUND OF 25% GLASS CONTENT WITH SELF EXTINGUISHING GRADE HAVING THE FOLLOWING PROPERTIES.

SL.NO	PROPERTY	UNITS	SPECIFIC VALUE
1	SPECIFIC GRAVITY	––	1.75 TO 2.0
2	TENSILE STRENGTH	Mpa	60 MINIMUM
3	CROSS BRAKING STRENGTH	Mpa	150 MINIMUM
4	COMPRESSIVE STRENGTH	Mpa	150 MINIMUM
5	IZOD IMPACT STRENGTH	JOULE/METRE	450 MINIMUM
6	WATER ABSORBTION	%	0.2
7	INSULATION RESISTANCE AFTER IMERSION IN WATER.	MEG.OHMS	1000 MINIMUM
8	ELECTRICAL STRENGTH	KV/MM	11

* 4. TEST METHODS FOR PROPERTIES SHALL BE CONFIRMING TO SPECN. IS:1998–62 TRACKING INDEX & ARC RESISTANCE SHALL BE TESTED AS PER SPECN. IEC 12 & ASTM D–495 RESPECTIVELY

* 5. TEST FOR FLAMMABILITY SHALL BE AS CLAUSE 3 OF ICF.SPECN.NO ICF/M/D/SPECN.014

6 ITEM 9 IS SAME AS ITEM 11 OF DRG. EMU/M2-7-1-529

* IS:2036–95 Gr.P3 HYLUM ALTERNATIVELY EPOXY GLAN MOULDED.

* ~~TEAKWOOD ASCU G TREATED~~
• NDMC (MC), NDMC (MA) & DMC

○ ICF/CFM/ART/CB, ICF/CFM/DMU/DPC DMU/DPC5, DETC

④ 09/2006	③ /04
QUANTITY FOR ITEMS 1,2,7&14 ADDED FOR ICF/MRVC/M IN COL–VIII WITH ASSLY DRG.NO: ICF/MRVC/M-7-1-006. Sd/– SSE/D Sd/– SEE/D	DRAWING REDRAWN IN AUTO CAD. Sd/– SSE/D Sd/– AEE/D

ALT	DATE	CHANGES	BY
M3	11 06 12	DRG. REVISED IN LINE WITH ICF LATEST ALTERATION ECN NO: 90600566	B/NP SPR VSL

ALTERATIONS

ⓗ 8/98
IN COL–I QTY FOR ITEM–1 ALTD FROM 10 TO 6. REF. DRG FOR ITEM–9 ALTD.
Sd/– SD/ELE Sd/– AEE/D

ⓙ 01/2009
COL–IX AND NOTE–3 TO 5 ADDED AND REF.DRG FOR ITEMS–9&13 DELETED AND DRAWING REVISED AND REDRAWN. AS PER SHOP FOLLOW UP.
SSE/D DY.CEE/D

• NO.OFF ASSLY REQUIRED PER COACH

COACH \ COL.	V	VI	VII
(BHEL.) DMC NDMC (MA) NDMC (MC)	2	4	2
(NGEF SERIES) DMC NDMC (MA) NDMC (MC)	6	2	–

COACH \ COL.	I	II	III	IV
EMU/M2	4	4	2	2

COACH \ COL.	I	IX
ICF/CFM/ART/CB	9	1
ICF/CFM/DMU/DPC	9	1
DMU/DPC5	7	1
DETC	7	1
JDCC	7	1

IX	VIII	VII	VI	V	IV	III	II	I	DESCRIPTION & DIMENSIONS	ITEM	REF.DRGS.	MAT. SPEC.	WEIGHT/UNIT	REMARKS
									GROUP:– 7–1				SUPERSEDED BY	
2	–	2	–	–	–	–	–	–	FLAT 3.15 x 40 x 270	16		IS:5986–92 02 FE–330	R107702315	
–	–	–	2	–	–	–	–	–	PLAIN WASHER A9	15	IS 2016–67 TAB–2,TYPE A	IS:1977–96 FE–330	RFM17109?6	GALVD.
–	16	–	–	2	–	–	–	–	ANGLE 3.15 x 40 x 84	14		IS:5986–92 02 FE–330	R107702315	
–	–	–	2	2	2	–	–	–	CLEAT 30 x 40 x 340	13		SPEC.No ICF/ELEC.862		*
2	–	2	2	2	2	2	2	2	HEX. NUT M8	12	IS:1363–67 TAB.2	IS:2073–62,C–20	CFN0110268	GALVD.
2	–	2	2	2	2	2	2	2	SPRING WASHER M8	11	IS:3063– 94 TAB.1,TYPE–B	IS:1570–61 TAB.1 SL.78	RFM0?10?3?	GALVD.
2	–	2	2	2	2	2	2	2	HEX. HD. BOLT M8 x 100/80	10	IS:1364–92	IS:2073–62,C–20	RFB?14052?	GALVD.
2	–	–	–	–	2	2	2	2	CLEAT 30 x 40 x 340	9		SPEC.No ICF/ELEC.862	SEE NOTE 6	*
1	–	1	1	1	1	1	2	1	FLAT 3.15 x 40 x 340	8		IS:5986–92 02 FE–330	R107702315	
2	16	–	–	–	–	–	–	2	ANGLE 3.15 x 40 x 84	7		IS:5986–92 02 FE–330	R107702315	
–	–	–	–	–	1	–	–	–	BRACKET 3.15 x 40 x 468	6		IS:5986–92 02 FE–330	R107702315	
–	–	–	–	–	–	1	–	–	BRACKET 3.15 x 40 x 598	5		IS:5986–92 02 FE–330	R107702315	
–	–	–	–	–	–	–	–	–	BRACKET 3.15 x 84 x 340	4		IS:5986–92 02 FE–330	R107702315	
1	–	1	–	1	–	–	–	1	BRACKET 3.15 x 40 x 424	3		IS:5986–92 02 FE–330	R107702315	
4	32	4	–	4	–	–	–	4	END LINK ø6.3 x 91	2				••
6	28	6	–	6	–	–	–	6	LINK ø6.3 x 63	1				••
NO. OFF														
PER ASSY	PER COACH	PER ASSY	PER ASSY	PER ASSY	PER ASSY	PER ASSY	PER ASSY	PER ASSY						
ICF/MRVC/M	EMU/M2	EMU/M2	EMU/M2	EMU/M2	EMU/M2	EMU/M2	EMU/M2	EMU/M2						

ICF/MRVC/M-7-1-006
MRB/M-7-1-002
MRB/M-7-1-001
EMU/M2-7-1-522
ASSEMBLY DRAWINGS

4 3 2 ALT.	DATE OF LATEST ALTN	DATE OF FIRST ISSUE	DY.CEE/D
	27–01–2009	8–11–76	

DETAILS OF CLEATS FOR TRACTION MOTOR CABLES

CAD FILE: ED–CAD\089 7–1–525 1SJ04.DWG

DATA CODE No. 089

INDIAN RAILWAY STANDARDS

SHEET 1 OF 1

SCALE	SSE/D
1:2.5	CHD
1:1	ALT K.SURESHBABU
	DRN BALU
ALT. h j	

INTEGRAL COACH FACTORY, CHENNAI–38

EMU/M2-7-1-525

CAD CONVERSION BY SKB CAD SOLUTIONS PVT. LTD.,

FORM IR A1 600 x 840mm.