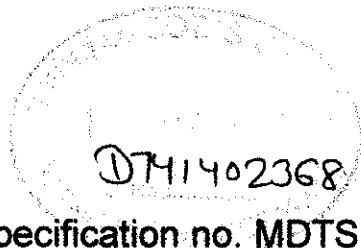


RAIL COACH FACTORY KAPURTHALA

MD35131

DATE: 12.03.2015



Sub: Issue of specification no. MDTS 007 Rev-7.

Please find enclosed a copy of specification as detailed below, for information and necessary action at your end.

Specification no. **MDTS 007** Rev-7

Dated: **02.03.2015**

SCHEDULE OF TECHNICAL REQUIREMENTS FOR ROLLING SHUTTERS FOR OUTSIDE FITMENT ON RCF COACHES

[Handwritten signature]
SME/D1/D3

CQM, CPLE, CWE (FUR), CWE (SHELL), CMM, CMT, DY. CPLE-1

SSE / LIB. DESIGN

✓ SSE / RECORD (With original specification)

SSE / DESIGN / RCF / TKJ

Copy for kind information to:

DY.CME/D1, DY.CME/D3

CDE

RAIL COACH FACTORY, KAPURTHALA (MECHANICAL DESIGN DEPARTMENT)

SCHEDULE OF TECHNICAL REQUIREMENTS FOR ROLLING SHUTTERS FOR OUTSIDE FITMENT ON RCF COACHES

MDTS 007

REV- 7

DATED : 02.03.2015

NAME	DESIGNATION	SIGNATURE	DATE	LEVEL
MUHAMMAD BHURA	SSE/FD	<i>M. Bhura</i>	2.3.15	Prepared
JOGINDER SINGH	SME/DEV-1	<i>[Signature]</i>	2/3/15	Agreed
SURAJ PRAKASH	DY.CME/D-1	<i>[Signature]</i>	4.03.15	Reviewed
PARMANAND SINGH	CDE	<i>[Signature]</i>	4.3.15	Approved

REV NO	DETAILS OF CHANGES	DATE
0	First Issue	-----
1	Second Issue	-----
3	1. Height (H) changed from 2340 to 2250 mm in clause 2.1.1. 2. Clause 2.3 added. 3. Clause 3.1 deleted for galvanising.	22.08.2002
4	1. Clause 2.4 to 2.8 added.	26.06.2007
5	1. Cutouts of size 50x32 mm changed to 50x24 mm in clause 2.3. 2. Clause 2.6 updated & clause 2.9 & 2.10 added .	19.04.2008
6	1. "(i.e. 2400 mm from center of pipe shaft to floor level)" added in clause 2.1.1. 2. IS:2062-92 updated as IS:2062-2006 Gr. E 250 (Fe 410 W) quality 'C' in clause 2.4. 3. "All component parts of the rolling shutter (excepting springs and the inside of guide channels)" was "Complete rolling shutter (with all individual components)" in clause 2.6. 4. Clause 2.11 added.	10/01/2014
7	1. Drawing no. and location of name plate added in Clause 2.8.	02/03/2015

PREPARED BY

M. Bhura
2.3.15

AGREED BY

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2/3/15

SPECIFICATION	SCHEDULE OF TECHNICAL REQUIREMENTS FOR ROLLING SHUTTER FOR OUTSIDE FITMENT ON RCF COACHES	MDTS 007 Rev-7 PAGE 1 OF 1
		DT: 02.03.2015

1. SCOPE:

1.1 This schedule of technical requirements is for outside rolling shutter of coaches.

2. MATERIAL & SIZE:

2.1 The rolling shutter shall generally be as per IS:6248-79 except component parts mentioned in clause 2.2. Various details required to be furnished by purchaser while placing the order in terms of clause 3 as listed in appendix-'A' of IS:6248-79 is given below:-

- 2.1.1 It shall have clear width (W) & clear height (H) as 886 mm (W) x 2250 mm (H) (i.e. 2400 mm from center of pipe shaft to floor level).
- 2.1.2 The stopper height shall be 1950 mm.
- 2.1.3 The thickness of lath section shall not be less than 0.9 mm.
- 2.1.4 The method of fixing shall be to type OA of table 1 of IS:6248-79.
- 2.1.5 The rolling shutter shall be self coiling type as per clause 5.1 (a) of IS:6248-79.
- 2.1.6 The rolling shutter is required for fixing on outside of End Wall of coach. There shall be structural steel work around the opening.
- 2.2 The rolling shutter shall be supplied without hood cover, bracket plate, hold fasts, square bar and pulling hook.
- 2.3 Two nos. cut outs of size 50x24 mm is to be provided in guide channels at the distance of 10 mm and 1850 mm from bottom.
- 2.4 Mild steel fabricated pulley to IS:2062-2006 Gr. E 250 (Fe 410 W) quality 'C' shall be supplied instead of cast iron pulley as indicated in clause 6.4 of IS:6248-79.
- 2.5 For fabrication of lock plate, word "riveting" shall be replaced with "bolting" for assembly purposes indicated in clause 7.2 of IS:6248-79.
- 2.6 All component parts of the rolling shutter (excepting springs and the inside of guide channels) shall be supplied painted as per MDTs-141 in the colour as per interior colour scheme of coach.
- 2.7 Pilot sample should be got approved from RCF before supply of each lot.
- 2.8 Name plate to drawing no. CC10929 shall be riveted on handle side of bottom lock plate, as shown in Fig.-1 of IS:6248-1979. It shall be fitted at middle of lock plate and on opposite to the drum.
- 2.9 Lifting handles shall be provided only on the inside of the rolling shutter i.e. opposite to the drum.
- 2.10 Locking lugs of lock plates shall be provided only on inside & should be so fitted as to place the locking lugs towards the inside of the coach i.e. opposite to the drum.
- 2.11 Spring shall be as per latest alteration of drawing no. CC25468.

3. OTHER REQUIREMENTS:

- 3.1 -(Deleted)-
- 3.2 The length of pipe shaft shall be 970 (-4+0 mm).
- 3.3 The distance of the fixed jaw of the lock from the sides of the shutter shall be 140 (+5-0mm).
- 3.4 Lifting handles on the rolling shutter shall be provided only on one side of the locking plate and should be so fitted as to place the lifting handle towards the inside of the coach i.e. opposite to the drum.

Prepared By
M. B. W. M.
2-3-15

Agreed By
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