

**RAIL COACH FACTORY, KAPURTHALA**  
(Coach Alteration Instruction)

CAI/RCF/MECH/R-SS/011

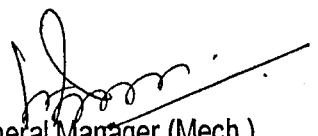
MD46251

Date: 06.05.06

1. **Description:** Provision of wire rope and pulley arrangement in-place of Serrated (Toothed) Belt in vestibule doors of Endwall in RCF Stainless Steel coaches (Rajdhani Rake).
2. **Specification/Drawing No:** Specification no. MDT5082 revision-02. M/s JBM drawing nos:

| S. No. | Description                        | Drawing No. & alt |
|--------|------------------------------------|-------------------|
| 1      | End wall door assembly             | RCF 005-00AEWD    |
| 2      | Pulley for wire rope               | RCF 005-33EWD     |
| 3      | Pulley holding bracket LH assembly | RCF 005-47EWD     |
| 4      | Pulley holding bracket RH assembly | RCF 005-48EWD     |

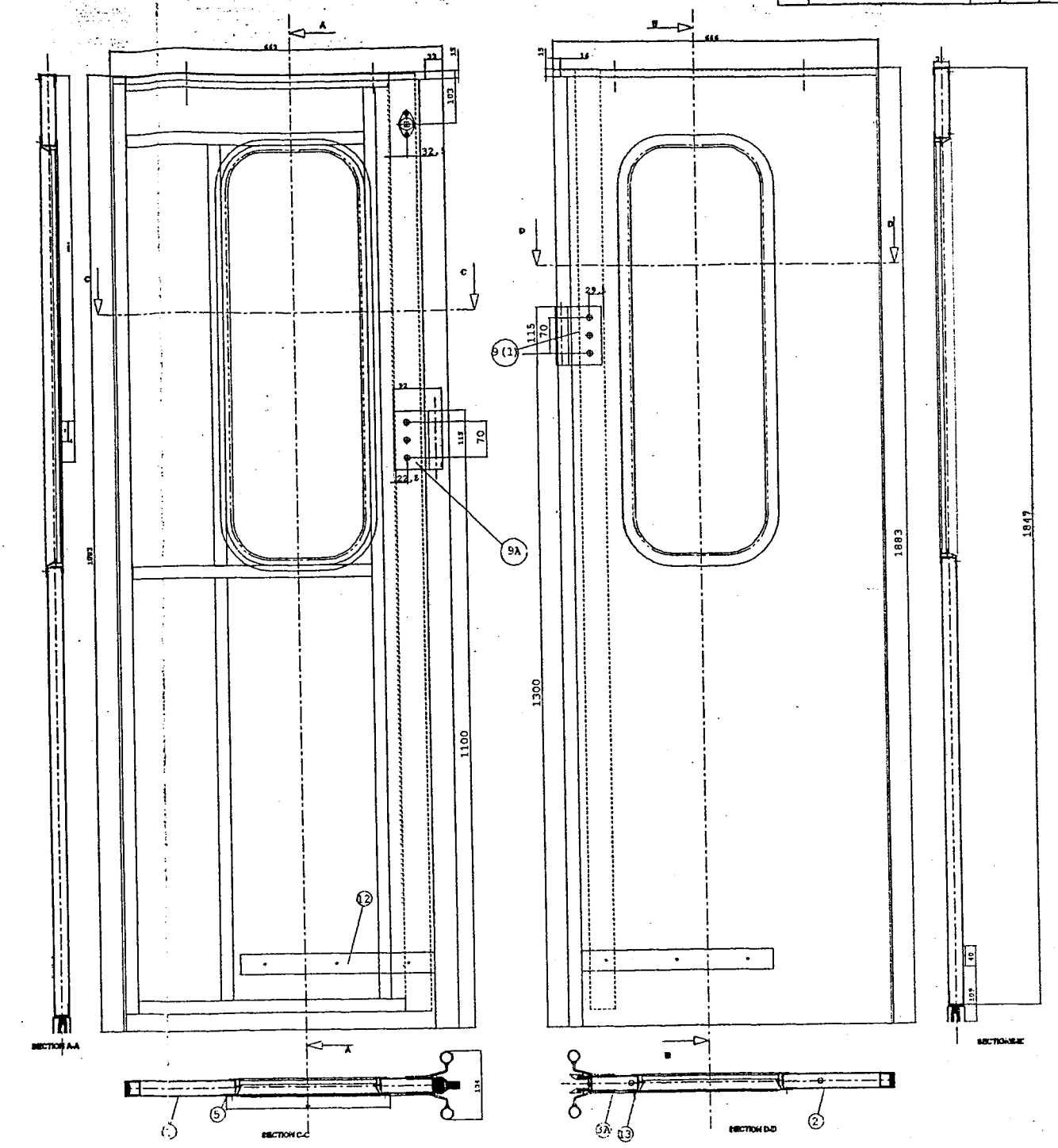
3. **Reason for alteration:** To overcome the problems of frequent breakage of serrated belt.
4. **Coach type:** All RCF Stainless Steel coaches having vestibule door.
5. **To be carried out:** During IOH/POH or unscheduled repair in sick line
6. **Special Instructions:**
  - a. Dismantle and remove the Gang Way Ceiling.
  - b. Remove the Door Guidance Cover.
  - c. Dismantle and remove the Ceiling of both the lavatories.
  - d. Unscrew and remove all the vestibule door handles.
  - e. Dismantle the outside Vestibule Cover
  - f. Dismantle the Sliding Door by opening the nuts provided on the aluminum sliding block.
  - g. Take out the door leafs.
  - h. Dismantle the Door Mounting Arrangement by unscrewing the hexagonal screws mounted on end wall.
  - i. Take out complete door Mounting Arrangement.
  - j. Replace the toothed belt Pulley arrangement by Wire Rope Pulley arrangement as indicated in the drawing.
  - k. Now fit the Door Mounting Arrangement.
  - l. Fit the sliding door leafs by means of nuts.
  - m. Fit all the vestibule door Handles and covers & ceilings.

  
For General Manager (Mech.)

**Encls:**

RCF 005-00AEWD  
RCF 005-33EWD  
RCF 005-47EWD  
RCF 005-48EWD

Chief Mechanical Engineer/Western Railway  
Chief Mechanical Engineer/Eastern Railway

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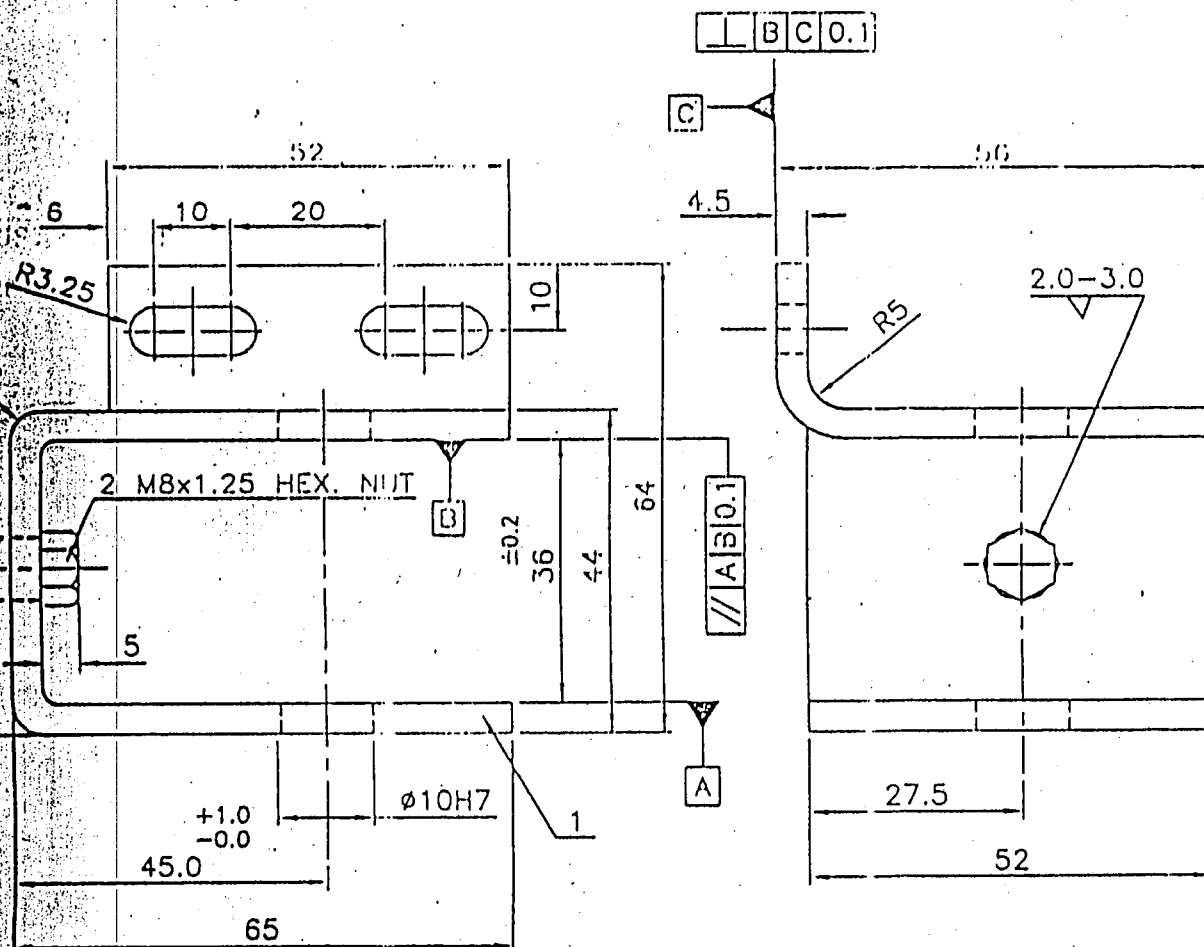
| NO. | CLASS                 | QTY | CLASS           | X-ING. | 8/20/87 PRICE |
|-----|-----------------------|-----|-----------------|--------|---------------|
| 10  | C-GLASS               | Q2  | EPDM            | 1.22MU | 1.22MU        |
| 16  | W-PEA CASD-SE         | Q2  | EPDM            | 1.19MU | 1.19MU        |
| 17  | S-AL GURIE BLDGK SIDE | Q2  | NYLM            | 1.18MU | 1.18MU        |
| 18  | S-BLK RND             | Q2  | EPDM            | 1.19MU | 1.19MU        |
| 19  | C-CHANNEL CASD-PEAKLE | Q1  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 14  | C-CHANNEL TOP         | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 13  | C-CHANNEL BOTTOM      | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 12  | BOTTOM SHIM           | Q1  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 11  | TRAIL MIDDLE (1716)   | Q1  | M-6             | 1.16MU | 1.16MU        |
| 10  | TRAIL SIDE (167)      | Q4  | M-6             | 1.16MU | 1.16MU        |
| 9   | TRAIL TOP             | Q4  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 8   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 7   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 6   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 5   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 4   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 3   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 2   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |
| 1   | HANDLER               | Q2  | S-533PMA COATED | 1.16MU | 1.16MU        |

JBM INDUSTRIES LTD.  
PLOT NO. 269, SECTOR-24  
FARIDABAD-121005 (HARYANA)

PAGE NO. :  
RCF-305-00AEWD



8/4



QTY. - 01 NOS.

SURFACE FINISH : BLACK POWDER COATING

TENTATIVE BLANK SIZE:- 4.5x162x74

## NOTES:-

PART No. - RCF-005-47(I)EWD PULLING  
HOLDING  
PART No. - RCF-005-47(II)EWD BKT LH  
MDX1.211115  
HEXNUT

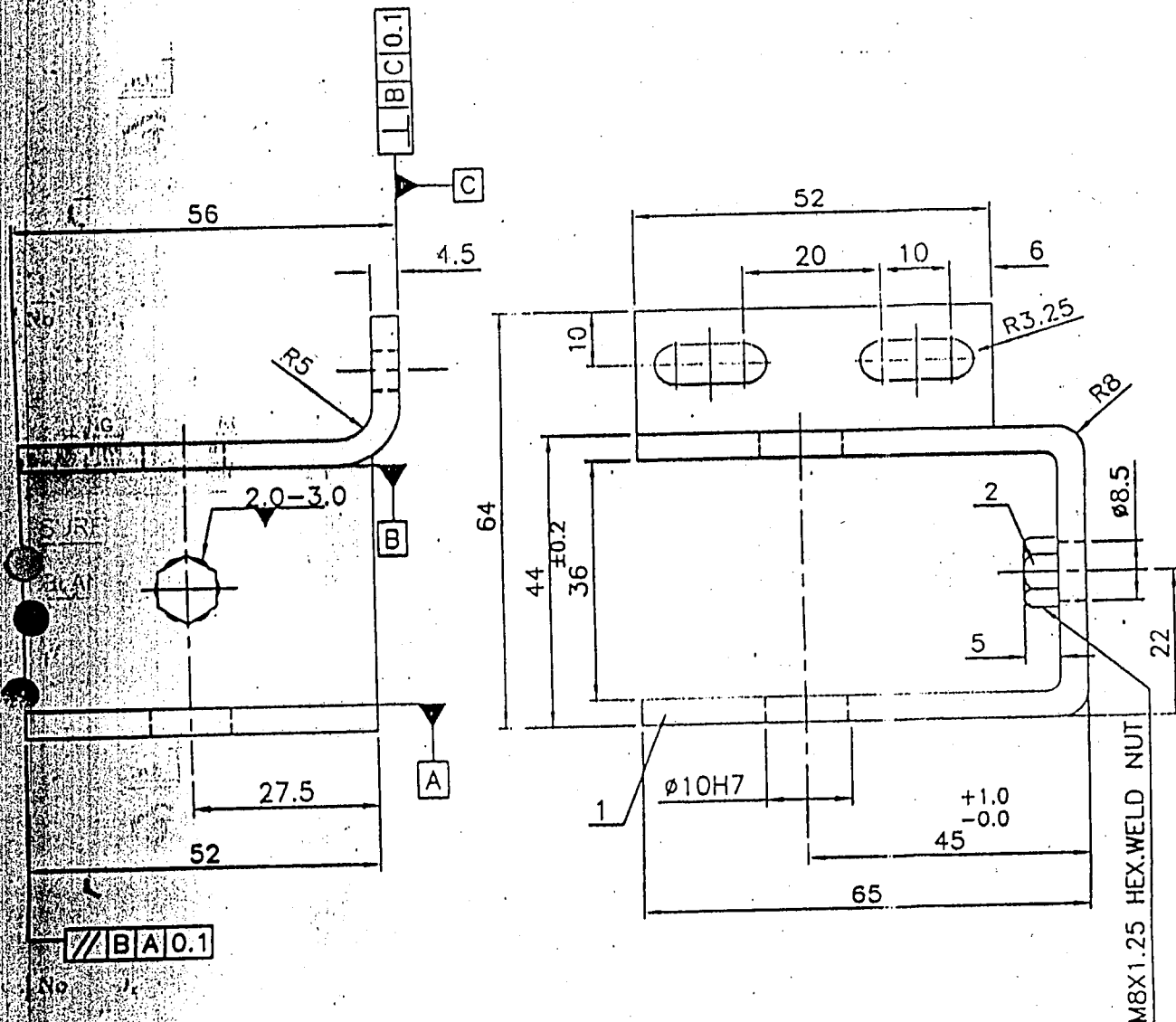
1. REMOVE ALL SHARP EDGES & BURRS.
2. UNSPECIFIED TOLERANCE AS PER TC-01
3. MATERIAL :- M.S. TO IS2062
4. IF IN DOUBT PLEASE ASK.

|                              |               |              |  |       |  |                                        |       |
|------------------------------|---------------|--------------|--|-------|--|----------------------------------------|-------|
| REV. NO.                     | NO. OF PLACES | MODIFICATION |  |       |  | DATE                                   | APPD. |
| SIGN.                        |               | DATE         |  | BY    |  | SCALE - NTS                            |       |
| DATE                         |               | DRAWN        |  | CHKD. |  | O.E.M. PART NO. - NIL                  |       |
| BY                           |               | DRAWN        |  | CHKD. |  | PART NO.:-                             |       |
| TITLE                        |               |              |  |       |  | ALL DIMENSIONS ARE IN MM UNLESS STATED |       |
| PULLEY HOLDING BKT. LH ASSY. |               |              |  |       |  | DRG. NO.                               |       |
| END WALL DOOR                |               |              |  |       |  | REV. 00                                |       |

JBM INDUSTRIES LTD.  
Plot No. 289, Sector-24  
Faridabad

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RCF-005-47 EWD



QTY. - 01 NOS.

**SURFACE FINSH : BLACK POWDER COATING**

**BLANK SIZE:- 4.5x162x74**

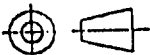
PART No. - RCF-005-48(1)EWD

PART No. - RCF-005-48(II)EWD

PULLY  
HOLDING  
BKT RH --  
M8X1.2HEX  
NUT

NOTES:-

1. REMOVE ALL SHARP EDGES & BURRS.
2. UNSPECIFIED TOLERANCE AS PER TC-01
3. MATERIAL : M.S. (IS2062)
4. IF IN DOUBT PLEASE ASK.

|                                                                                                           |  |                                                             |  |                             |  |                                                                                                                                |  |
|-----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------|--|-----------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|
| PART NO. : RCIF-005-48 EWD                                                                                |  |                                                             |  |                             |  |                                                                                                                                |  |
| S.NO.                                                                                                     |  | REV.NO.                                                     |  | NO. OF PLACES               |  | MODIFICATION                                                                                                                   |  |
|                                                                                                           |  |                                                             |  |                             |  | DATE                                                                                                                           |  |
|                                                                                                           |  |                                                             |  |                             |  | APPD.                                                                                                                          |  |
|                        |  | SIGN.                                                       |  | V...                        |  | SCALE - NTS                                                                                                                    |  |
|                                                                                                           |  | DATE                                                        |  | 21/10/01                    |  | O.E.M. PART NO. : NIL                                                                                                          |  |
|                                                                                                           |  | BY                                                          |  | DRAWN                       |  | PART NO. :                                                                                                                     |  |
| <b>JIB INDUSTRIES LTD.</b><br>Plot No. 269, Sector-24<br>Faridabad                                        |  | TITLE                                                       |  | CHKD.                       |  | APPD.                                                                                                                          |  |
|                                                                                                           |  | <b>PULLEY HOLDING BKT. RH ASSY.</b><br><b>END WALL DOOR</b> |  |                             |  |  ALL DIMENSIONS ARE<br>IN MM UNLESS STATED |  |
|                                                                                                           |  |                                                             |  | DRG. NO.<br>RCIF-005-48 EWD |  | REV.<br>00                                                                                                                     |  |
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