

18/1

RAIL COACH FACTORY, KAPURTHALA
(Coach Alteration Instruction)

CAI/RCF/MECH/R-SS/019

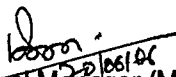
MD46251

Date: 20 06 2006

1. **Description:** Provision of door stopper for main entrance door to arrest excess out side swing of door in RCF stainless steel AC coaches. (Rajdhani Rake).
2. **Drawing No:**

S. No.	Description	Drawing No. & alt
1	Entrance door mounting (RH)	LA51101 alt nil
2	stopper male	LA51125 alt nil
3	Stopper female	LA51126 alt nil

3. **Reason for alteration:**
 - a. To overcome the problems of excess out side swing of main entrance door.
4. **Coach type:** RCF Stainless Steel AC coaches.
5. **To be carried out:** During IOH/POH or unscheduled repair in sick line.
6. **Special Instructions:**
 - a. Make drills of $\varnothing$ 8.5 and $\varnothing$ 5.5 on door pillar and door as per locations given in drawing no. LA51101.
 - b. Fix the stopper female to drawing no. LA51126 on door pillar with screw and nuts as per details given in drawing no. LA51101.
 - c. Fix the stopper male to drawing no. LA51125 on door with screw and nuts as per details given in drawing no. LA51101.


For General Manager (Mech.)

Encls:

LA51101 alt nil
LA51125 alt nil
LA51126 alt nil

19/1

RAIL COACH FACTORY, KAPURTHALA
(Coach Alteration Instruction)

CAI/RCF/MECH/R-SS/016

MD46251

Date: 20 06 2006

1. **Description:** Protection wall for SLR LHB coaches to prevent blockage of sliding door path in luggage room by falling luggage in RCF stainless steel AC coaches.

2. **Drawing No:**

S. No.	Description	Drawing No. & alt
1	Protection Wall Arrangement	MI004729 alt nil

3. **Reason for alteration:**

- a. To overcome the problems of blockage of sliding door path in luggage room by falling luggage in end luggage room.

4. **Coach type:** RCF Stainless Steel SLR- coaches (LHB coaches).

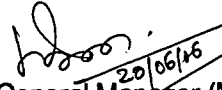
5. **To be carried out:** During IOH/POH or unscheduled repair in sick line.

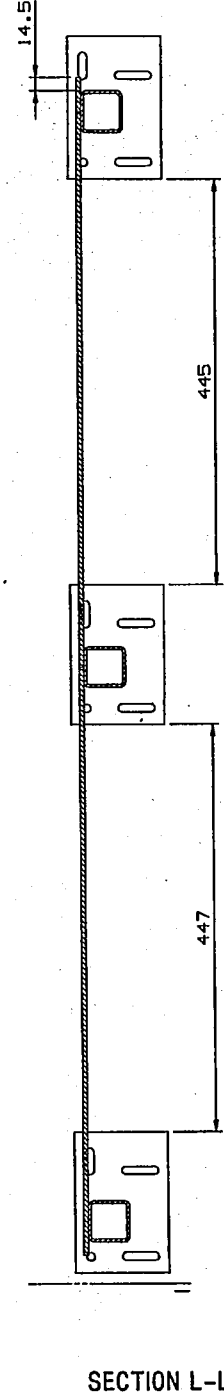
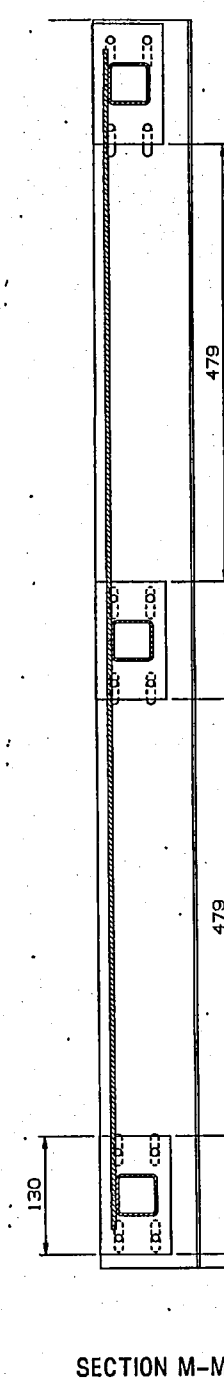
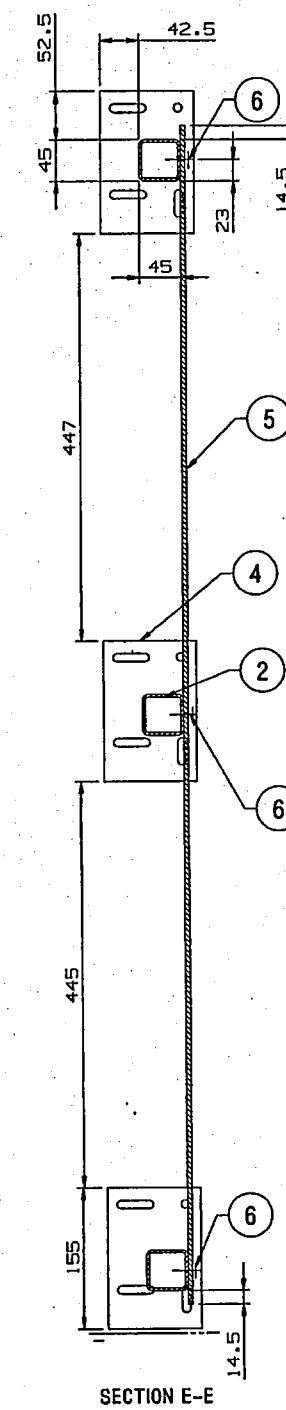
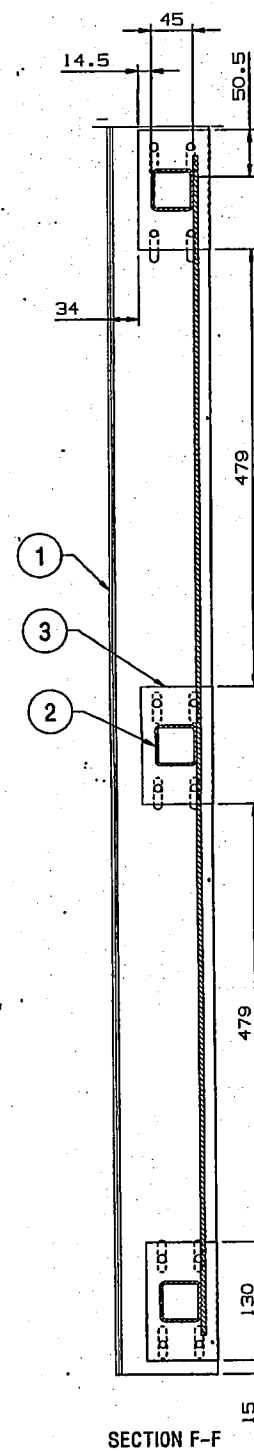
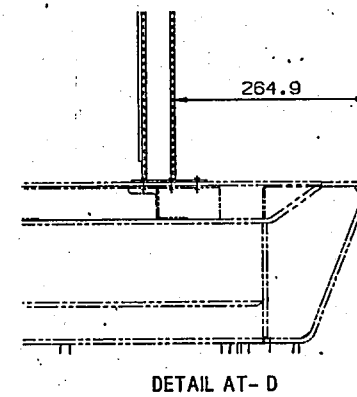
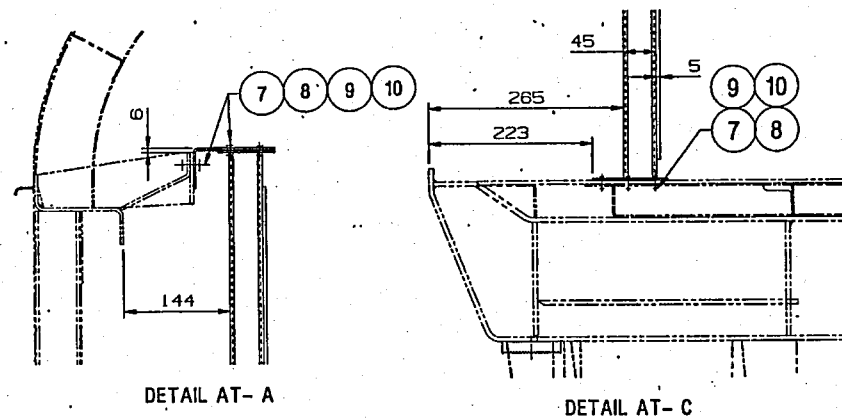
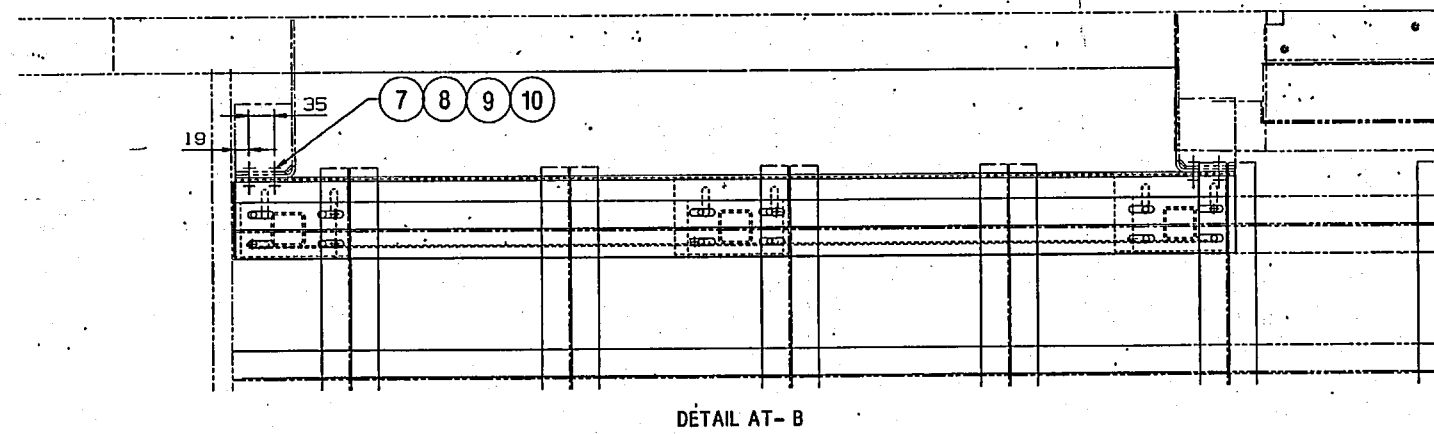
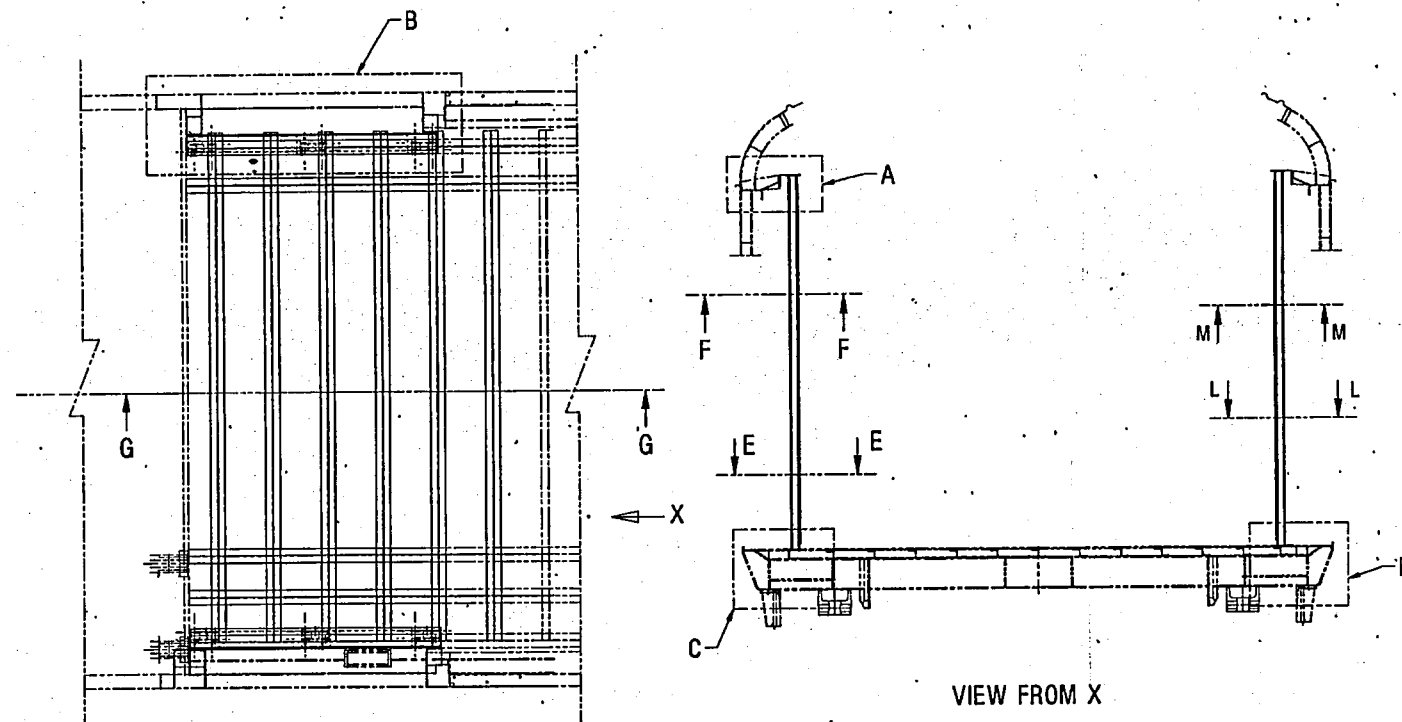
6. **Special Instructions:**

- a. Bolt item no. 1 with brackets already welded in body shell with fasteners as per details given in drawing no. MI004729 alt nil.
- b. Weld item no. 2 (square tube) with item no. 3&4 as per drawing.
- c. Arrange item no. 5
- d. Fasten the square tubes with item no. 1 and under frame as per details given in drawing no. MI004729 alt nil.
- e. Screw item no. 5 with square tubes as indicated in drawing no. MI004729 alt nil.

Encls:

MI004729 alt nil


20/06/06
For General Manager (Mech.)

$19\frac{1}{2}$ 

वाणिज्य
 Entered
 मे
 Into
 रविष्टिया
 26 JUN 2008

WELD LENGTH		ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	M	GROUP	MISCELLANEOUS	SUPERSEDES:		NIL	
WEIGHT		FILE	D:\dev\LR\SLR\mi004729.prt				
NIL	KG	GUARD ARRANGEMENT FOR LOADING DOOR IN LUGGAGE ROOM					
S.AREA		SCALE		SSE/REG		<i>Quantity</i> <i>10</i>	
NIL	M ²	1:20		CHD		<i>10</i>	
LENGTH/DIA				DRN		PUSH <i>NO</i>	
NIL	M	RAIL COACH FACTORY, KAPURTHALA				REF.DRAW. NIL	
WIDTH/THICK.		INDIAN RAILWAYS STANDARD					
NIL	M	PL NO.		NIL			
HEIGHT		DRG.NO.		MI004729			
NIL	M	ADE/SME		DY.CME		CDE	
		ALT.		NIL		SIZE/A SHEET 1/2	

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.
FOR UNTOLERANCED DIMENSIONS REFER MDG0008

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE

DATE OF FIRST ISSUE	23/06/2006
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CGM BY

✓

_____ M

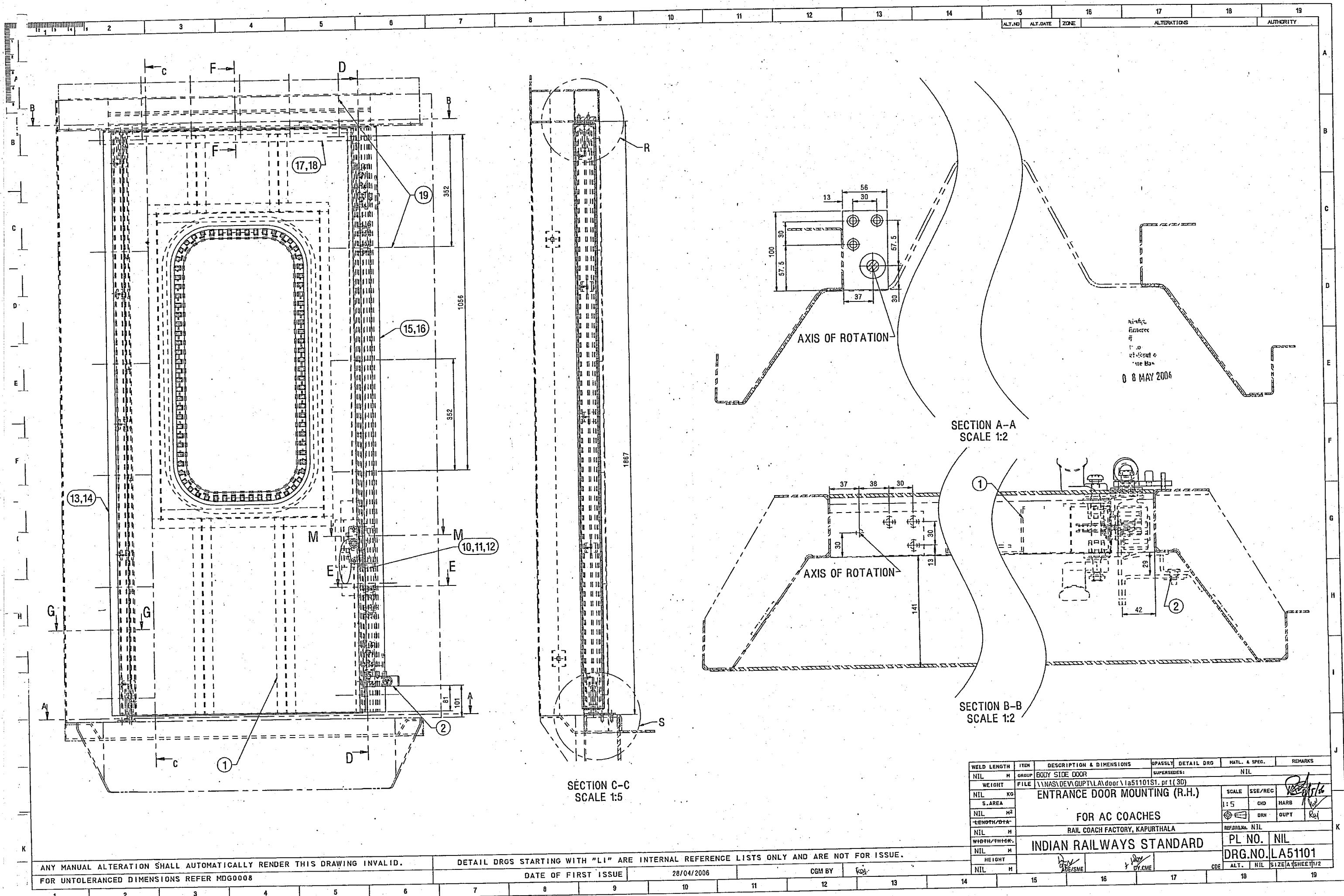
• **609**

IE

CDE	
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WIL	SIZE
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1/2



08 MAY 2006

SECTION A-A
SCALE 1:2

SECTION B-B
SCALE 1:2

SECTION C-C
SCALE 1:5

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	OPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	H	GROUP BODY SIDE DOOR			NIL	
WEIGHT	FILE	\\NAS\DEV\GUPTA\LA51101\LA51101S1.pr1 (3D)				
NIL	KG	ENTRANCE DOOR MOUNTING (R.H.)				
S.AREA						
NIL	H ²					
LENGTH/DIA						
NIL	M					
WIDTH/THICK.						
NIL	M					
HEIGHT						
NIL	M					

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.
FOR UNTOLERANCED DIMENSIONS REFER MDG0008

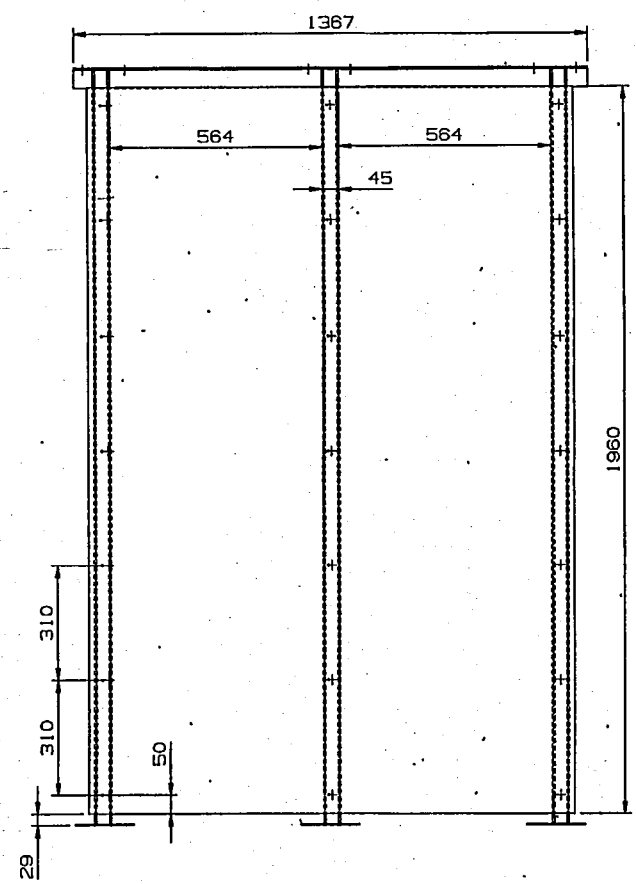
DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.
DATE OF FIRST ISSUE 28/04/2006 CGM BY

SCALE 1:5
SSE/REC
CHD HARB
DRN GUPT
REF.DWG. NIL
PL NO. NIL
DRG.NO. LA51101
CDE ALT. NIL SIZE A SHEET 1/2

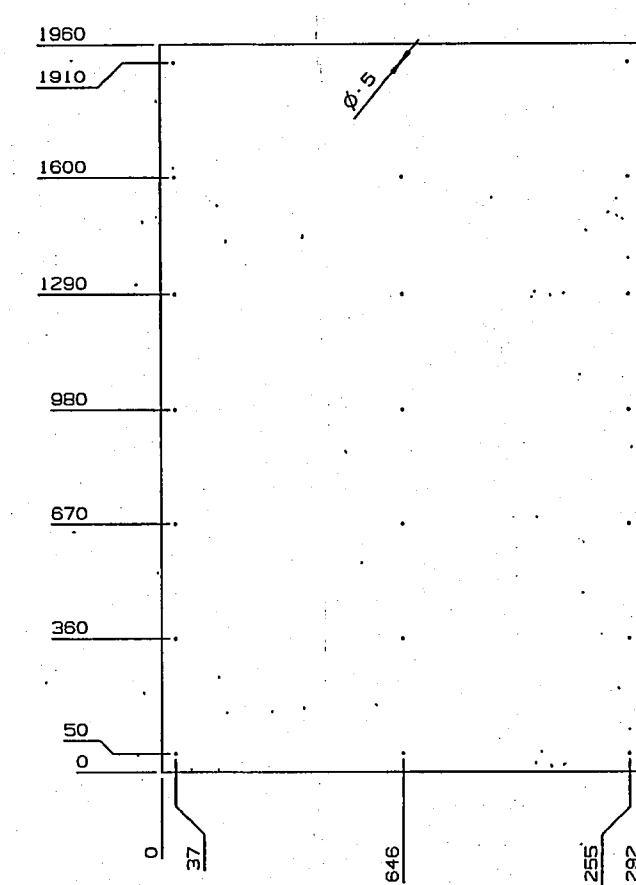
19/3

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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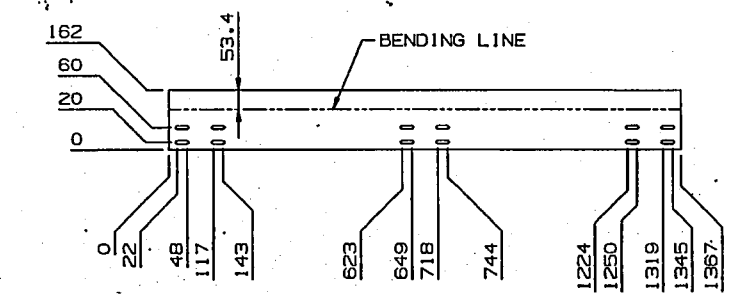
ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY
NIL	NIL	NIL	NIL	NIL



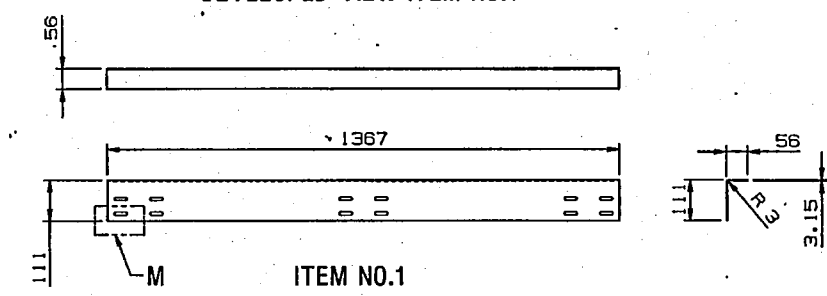
SECTION G-G



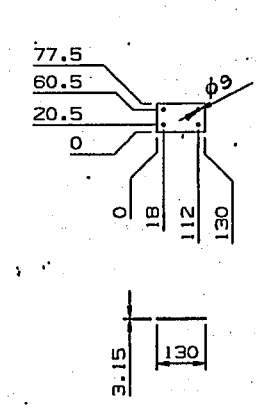
ITEM NO.5



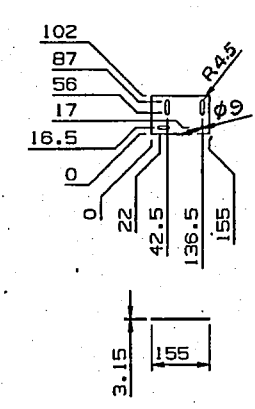
DEVELOPED VIEW ITEM NO.1



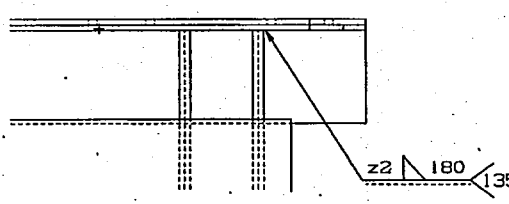
ITEM NO.1



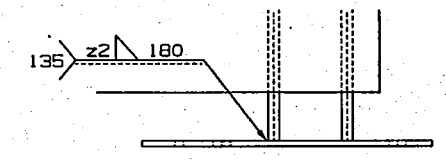
ITEM NO.3



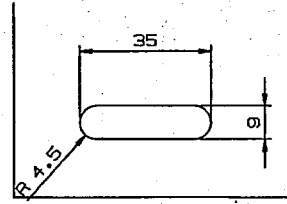
ITEM NO.4



DETAIL AT- J



DETAIL AT- K



DETAIL AT- H

NOTE:-

- 1. ITEM NO 2 SHOULD BE WELDED WITH ITEM NO. 3 & 4 BEFORE BOLTING IT WITH ITEM NO. 1.

Atstg.
Entered
in
into
of
Date Box
26 JUN 2006

10	SPRING WASHER B8	54	LIHW09	IS: 3063-1994	ITEM-20
9	STAINLESS STEEL HEX NUT M3 (A2-70 TO IS4367 PT-14)	54	LIHWSS08	IS: 1364 PT.3-92 150-4032	ITEM-3
8	PLAIN WASHER A9	54	LIHW09	IS: 2016-1967 STEEL	ITEM-4
7	STAINLESS STEEL HEX HEAD BOLT M3X35 (A2-70 TO IS4367 PT.14-84)	54	LIHWSS01	IS: 1364 PT.1-92 CE	ITEM-2
6	STAINLESS STEEL SLOTTED PAN HD TAPP SCREW ST4.2X19F (A2-70 TO IS4367 PT.14-84)	54	LIHWSS03	IS: 7173-1989, IS 0-1491	ITEM-9
5	FLOOR PLATE 5X1292X1960	2	NIL	ROSD/SPEC C-6217	NIL
4	BOTTOM SUPPORTING PLATE 3.15X102X155	6	NIL	IS: 2062-92 Fe410MC	NIL
3	TOP SUPPORTING PLATE 3.15X78X130	6	NIL	IS: 2062-92 Fe410MC	NIL
2	SO.TUBE 45X45X2.9 L=2034.00	6	LIS0T01	IS: 4923-85 HF SHS YST-240	ITEM-6
1	SUPPORTING ANGLE 3.15X162X1367	2	NIL	IS: 2062-92 Fe 410 MC	NIL

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	OPASSLT	DETAIL DRG	MATL. & SPEC.	REMARKS
1.100	M	GROUP	MISCELLANEOUS	SUPSEDES	NIL	
WEIGHT	KG	FILE	D:\dev\LR\SLR\mi004729.prt			
64.000						
S.AREA						
NIL						
LENGTH/DTA						
1.367						
WIDTH/THICK.						
NIL						
HEIGHT						
NIL						

SCALE: 1:10

CHD: []

DRN: []

PUSH: []

REF.DRAW: NIL

PL NO. NIL

DRG.NO. MI004729

ALT. []

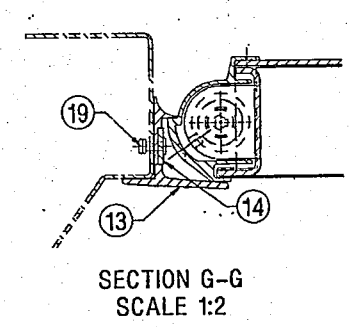
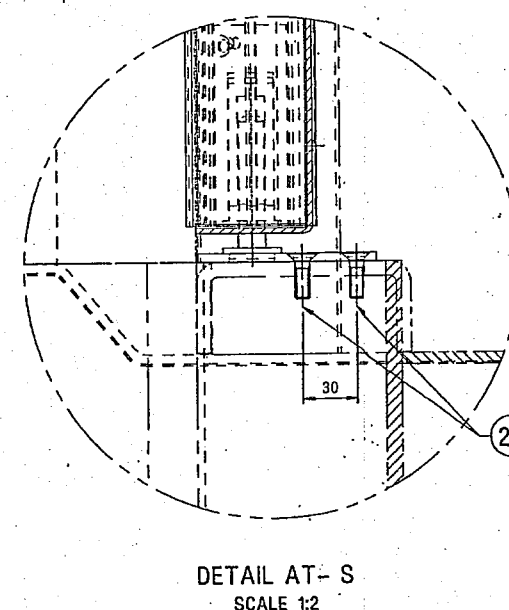
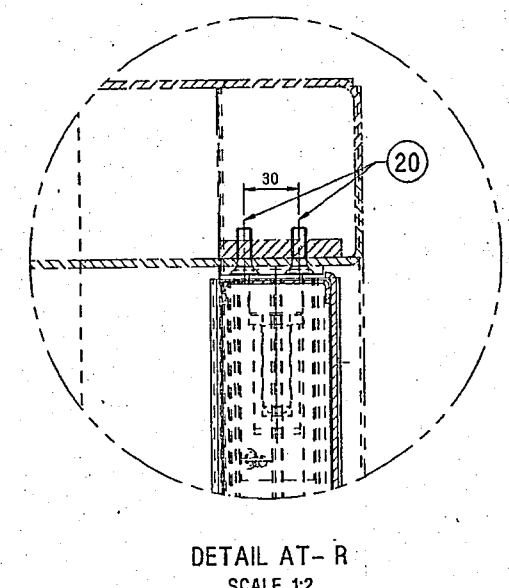
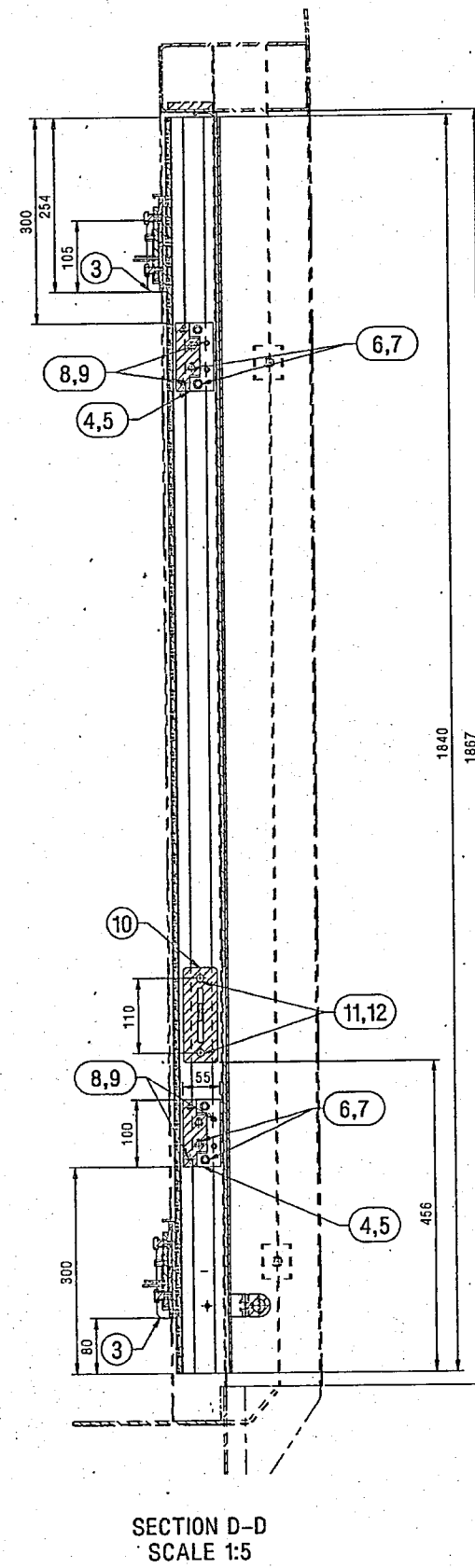
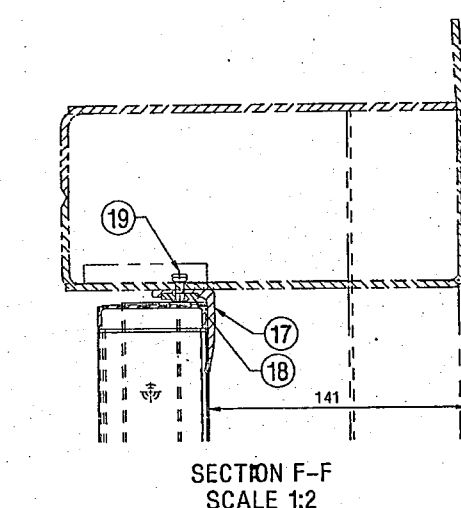
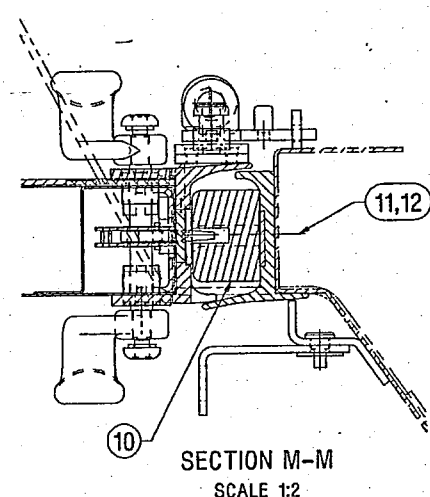
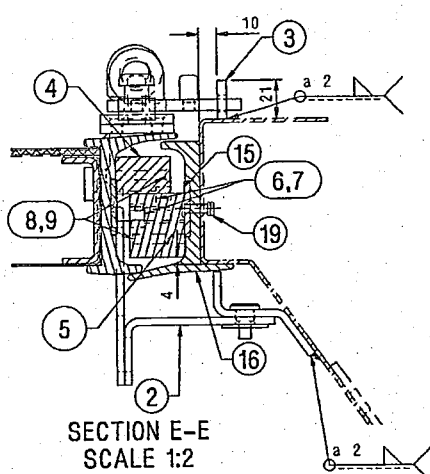
NIL SIZE []

SHEET 2/2

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.										DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.									
OR UNTOLERANCED DIMENSIONS REFER MDG0008										DATE OF FIRST ISSUE 23/06/2006									
										CGM BY []									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY
NIL	NIL	NIL	NIL	NIL



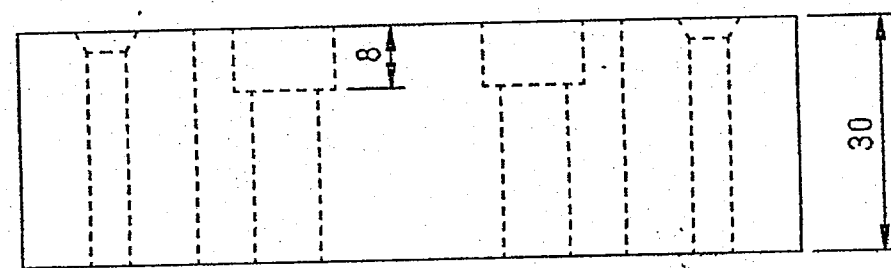
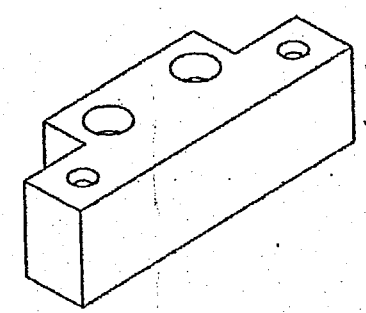
NOTE:-
 1. ITEM NO. 2 & 3 SHALL BE SUPPLIED LOOSE AND WELDED WITH DOOR PILLAR.
 2. ITEM NO. 10 TO BE FIXED IN REFERENCE TO DOOR LOCK ASSLY.

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.
 FOR UNTOLERANCED DIMENSIONS REFER MDG0008

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.
 DATE OF FIRST ISSUE 28/04/2006 CGM BY [Signature]

20	STAINLESS STEEL RECESSED CSK HEAD SCREW M8X50 (A2-70 TO IS4367 PT.14-B4)	6	LIHWSS14	IS: 7465-1985 DIN935	ITEM-11
19	SEALING RIVET M4.8X17.8	17	NIL	BEST NR. 319725 AI-Lag-1.4571	Fa. TIT Garmayor
18	GASKET FIXING PLATE	1	LG51105	NIL	NIL
17	TOP GASKET	1	LG51106	NIL	COLOUR BLACK
16	FACING BRICK GASKET	1	3 10113.0.22.120.105	MTS-030	COLOUR BLACK
15	GASKET FIXING PLATE	1	3 10113.0.22.120.106	C-K 201 X20 NI 12	RDSO/SPEC.
14	GASKET FIXING PLATE	1	3 10113.0.22.120.110	C-K 201 X20 NI 12	RDSO/SPEC.
13	GASKET, PIVOT SIDE	1	3 10113.0.22.120.109	MTS-030	COLOUR BLACK
12	HEX NUT M10	2	LIHW08	IS: 1364 PT.3-92 -B	ITEM-4 COATING TO NOTE 557
11	STAINLESS STEEL SLOTTED CSK HEAD SCREW M10X70 (A2-70 TO IS4367 PT.14-B4)	2	LIHWSS03	IS: 1365-1978, DIN 933	ITEM-5
10	BLOCK FOR DOOR LOCK	1	LA51106	NIL	NIL
9	STAINLESS STEEL HEX NUT M5 (A2-70 TO IS4367 PT-14)	8	LIHWSS08	IS: 1364 PT.3-92 ISO-4032	ITEM-3
8	STAINLESS STEEL SLOTTED CSK HEAD SCREW M8X50 (A2-70 TO IS4367 PT.14-B4)	8	LIHWSS03	IS: 1365-1978	ITEM-3
7	STAINLESS STEEL HEX NUT M8 (A2-70 TO IS4367 PT-14)	8	LIHWSS08	IS: 1364 PT.3-92 ISO-4032	ITEM-3
6	STAINLESS STEEL SLOTTED CSK HEAD SCREW M8X50 (A2-70 TO IS4367 PT.14-B4)	8	LIHWSS03	IS: 1365-1978	ITEM-3
5	STOPPER MALE	2	LA51126	NIL	NIL
4	STOPPER FEMALE	2	LA51125	NIL	NIL
3	SAFETY PLATE	2	LA51127	NIL	NIL
2	LOCKING PLATE	1	LA51120	NIL	NIL
1	BODY SIDE ENTRANCE DOOR (R.H)	1	LA51102	NIL	NIL

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	OPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	GROUP	BODY SIDE DOOR	SUPERSIDES:	NIL		
WEIGHT	FILE	1\NAS\DEVA GUPTA\LA51101S2.pr t (3D)				
NIL	SCALE	ENTRANCE DOOR MOUNTING (R.H.)				
NIL	S. AREA	FOR AC COACHES				
NIL	LENGTH/DIA	RAIL COACH FACTORY, KAPURTHALA				
NIL	WIDTH/THICK.	INDIAN RAILWAYS STANDARD				
NIL	HEIGHT	PL NO. NIL				
NIL		DRG.NO. LA51101				
NIL		ALT. NIL SIZE A1 SHEET 2/2				



08 MAY 2006

NIL		STOPPER 30X35X100			NIL		NIL		RDSO/SPEC. NO.C-8401		NIL		
WELD LENGTH		ITEM	DESCRIPTION & DIMENSIONS				QPASSLY	DETAIL DRG		MTRL. & SPEC.		REMARKS	
NIL		M	GROUP	BODY SIDE DOOR				SUPERSEDES: NIL					
WEIGHT		FILE	\\NAS\DEV\GUPT\LA\door\la51125.prt (3D)										
NIL		KG	STOPPER FEMALE						SCALE	SSE/REG			
S.AREA									1: 1	CHD	HARB		
NIL		M ²								DRN	GUPT		Raj
LENGTH / -D+A													
NIL		H	RAIL COACH FACTORY, KAPURTHALA						REF.DRG.NO.		NIL		
WIDTH / -THICK			INDIAN RAILWAYS STANDARD						PL NO.		NIL		
NIL		H							DRG.NO.		LA51125		
HEIGHT				ADE/SME		DY.CME	CDE	ALT.	NIL	SIZE A3	SHEET 1 / 1		
NIL		M											

9

10

11

12

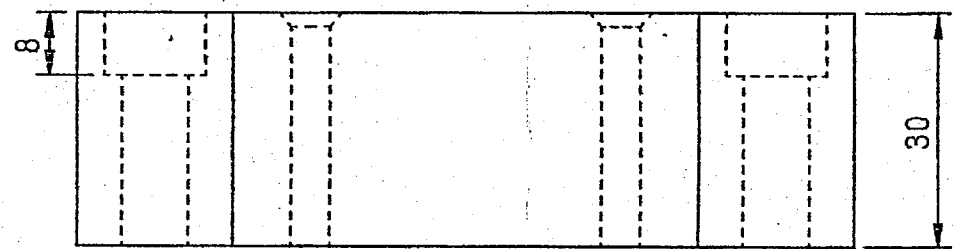
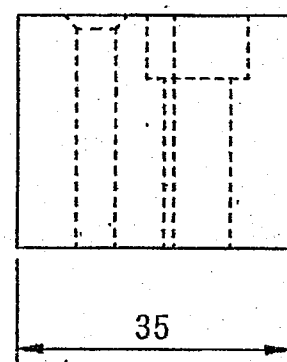
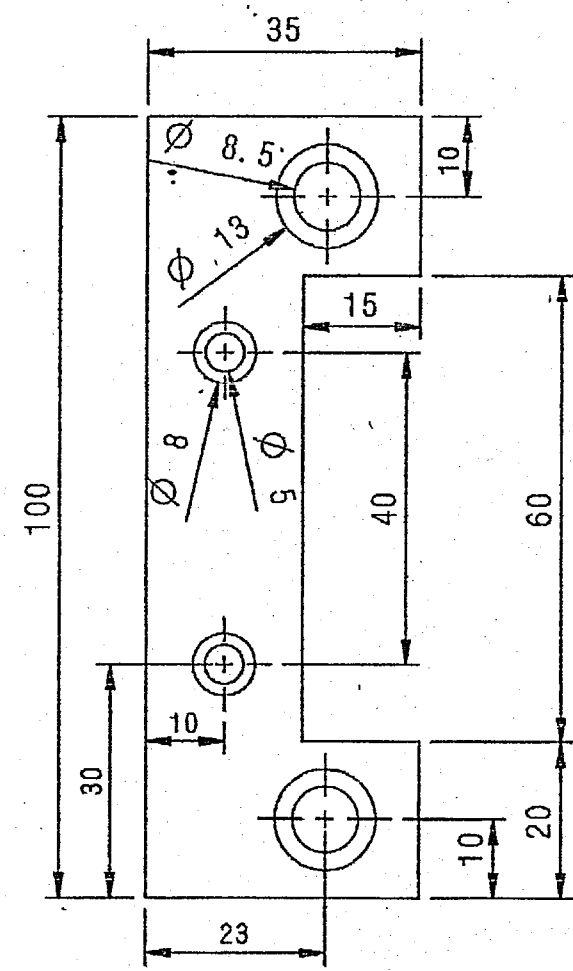
13

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.

THIS IS A COMPUTER GENERATED DRAWING. ANY MANUAL ALTERATION SHALL BE VOID.			
FOR UNTOLERANCED DIMENSIONS REFER MDG0008	DATE OF FIRST ISSUE	21/04/2006	CGM E

18/5

ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY
NIL	NIL	NIL	NIL	NIL



गोपनीय
Internal
ड्राफ्ट
Date Recd
09 MAY 2006

NIL STOPPER 30X35X100			NIL		NIL		RDSO/SPEC. NO.C-8401		NIL			
WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS			QPASSLY	DETAIL DRG		MATL. & SPEC.		REMARKS		
NIL	M	GROUP BODY SIDE DOOR			SUPERSEDES: NIL							
WEIGHT	FILE	\\NAS\DEV\GUPT\LA\door\la51126.prt (3D)										
NIL	KG	STOPPER FEMALE					SCALE	SSE/REC				
S.AREA	1: 1						CHD	HARB				
NIL	M ²										DRN	GUPT
LENGTH / -DIA												
NIL	M											
RAIL COACH FACTORY, KAPURTHALA							REF.DRG.NO.	NIL				
INDIAN RAILWAYS STANDARD							PL NO.	NIL				
HEIGHT							DRG.NO.	LA51126				
NIL	M	ADE/SME		BY.CME		CDE	ALT.	NIL	SIZE	A3 SHEET 1/1		

DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.
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FOR UNTOLERANCED DIMENSIONS REFER MDG0008

DATE OF FIRST ISSUE 21/04/2006 CGM BY Raj

1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G						