COMPARTMENT AC AREA

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	FLD 52 01 01	1. 5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	R	+S1X1	----	112	+B1X1	52-X1	01	6000	
2	SW 52 01 01			R	+B1X1	52-X1	01	+S28S1	=52S1	01	1000	FLD-1
3	FLD 52 01 01			R	+S28S1	=52S1	02	+B7E1/E2	=52E7	01	3500	
4	FLD 52 01 02			BLK	+S1X1	----	113	+B1X1	52-X1	02	6000	
5	FLD 52 01 02			BLK	+B1X1	52-X1	02	+B7E1/E2	=52E7	02	3000	
6	52 01 03			GNYE	+S1X1	----	110	+B1X1	52-X1	09, 10	6000	
7	FLD 52 01 03			GNYE	+B1X1	52-X1	09	+B7E1/E2	=52E7	PE	3000	
8	FLE 52 01 04			B	+S1X1	----	114	+B1X1	52-X1	05	6000	
9	SW 52 01 04			B	+B1X1	52-X1	03	+S28S1	=52S2	01	1000	FLE-5
10	FLE 52 01 04			B	+S28S1	=52S2	02	+B8E1	=52E8	01	5000	
11	FLE 52 01 05			BLK	+S1X1	----	115	+B1X1	52-X1	06	6000	
12	FLE 52 01 05			BLK	+B1X1	52-X1	04	+B8E1	=52E8	02	4500	
13	FLE 52 01 03			GNYE	+B1X1	52-X1	10	+B8E1	=52E8	PE	4500	
14	NL 52 03 03			CH	+S1X1	----	116	+B1X1	52-X1	07	6000	
15	SW 52 03 03			CH	+B1X1	52-X1	05	+S29S1	=72A1	01	1000	NL-1
16	NL 52 03 03			CH	+S28S1	=52S3	02	+B9E1	=52E9	01	5000	
17	NL 52 03 04			W	+S1X1	----	117	+B1X1	52-X1	08	6000	
18	NL 52 03 04			W	+B1X1	52-X1	06	+B9E1	=52E9	02	4500	
19	FLD 52 01 01			R	+B1X1	52-X1	01	+B2X1	52-X2	01	2250	
20	SW 52 01 01			R	+B2X1	52-X2	01	+S29S1	=52S1	01	1000	
21	FLD 52 01 01			R	+S29S1	=52S1	02	+B7E1/E2	=52E10	01	3500	
22	FLD 52 01 02			BLK	+B1X1	52-X1	02	+B2X1	52-X2	02	2250	FLD-2
23	FLD 52 01 02			BLK	+B2X1	52-X2	02	+B7E1/E2	=52E10	02	3000	
24	52 01 03			GNYE	+B1X1	52-X1	09, 10	+B2X1	52-X2	09, 10	2250	
25	FLD 52 01 03			GNYE	+B2X1	52-X2	09	+B7E1/E2	=52E10	PE	3000	
26	FLS 52 01 04			B	+B1X1	52-X1	05	+B2X1	52-X2	05	2250	
27	SW 52 01 01			R	+B2X1	52-X2	03	+S29S1	=52S2	01	1000	
28	FLS 52 01 01			R	+S29S1	=52S2	02	+B8E1	=52E11	01	5000	FLS-1
29	FLS 52 01 05			BLK	+B1X1	52-X1	06	+B2X1	52-X2	06	2250	
30	FLS 52 01 02			BLK	+B2X1	52-X2	04	+B8E1	=52E11	02	4500	
31	FLS 52 01 03			GNYE	+B2X1	52-X2	10	+B8E1	=52E11	PE	4500	
32	NL 52 03 03			CH	+B1X1	52-X1	07	+B2X1	52-X2	07	2250	
33	SW 52 03 03			CH	+B2X1	52-X2	05	+S29S1	=72A1	01	1000	
34	NL 52 03 03			CH	+S29S1	=52S3	02	+B9E1	=52E12	01	5000	NL-2
35	NL 52 03 04			W	+B1X1	52-X1	08	+B2X1	52-X2	08	2250	
36	NL 52 03 04			W	+B2X1	52-X2	06	+B9E1	=52E12	02	4500	
37	FLD 52 01 01			R	+B2X1	52-X2	01	+B3X1	52-X3	01	2250	
38	SW 52 01 01			R	+B3X1	52-X3	01	+S30S1	=52S1	01	1000	
39	FLD 52 01 01			R	+S30S1	=52S1	02	+B7E1/E2	=52E13	01	3500	
40	FLD 52 01 02			BLK	+B2X1	52-X2	02	+B3X1	52-X3	02	2250	
41	FLD 52 01 02			BLK	+B3X1	52-X3	02	+B7E1/E2	=52E13	02	3000	
42	52 01 03			GNYE	+B2X1	52-X2	09, 10	+B3X1	52-X3	09, 10	2250	
43	FLD 52 01 03			GNYE	+B3X1	52-X3	09	+B7E1/E2	=52E13	PE	3000	
44	FLE 52 01 04			B	+B2X1	52-X2	05	+B3X1	52-X3	05	2250	
45	SW 52 01 04			B	+B3X1	52-X3	03	+S30S1	=52S2	01	1000	
46	FLE 52 01 04			B	+S30S1	=52S2	02	+B8E1	=52E14	01	5000	FLE-6
47	FLE 52 01 05			BLK	+B2X1	52-X2	06	+B3X1	52-X3	06	2250	
48	FLE 52 01 05			BLK	+B3X1	52-X3	04	+B8E1	=52E14	02	4500	
49	FLE 52 01 03			GNYE	+B3X1	52-X3	10	+B8E1	=52E14	PE	4500	
50	NL 52 03 03			CH	+B2X1	52-X2	07	+B3X1	52-X3	07	2250	
51	SW 52 03 03			CH	+B3X1	52-X3	05	+S30S1	=72A1	01	1000	
52	NL 52 03 03			CH	+S30S1	=52S3	02	+B9E1	=52E15	01	5000	NL-3
53	NL 52 03 04			W	+B2X1	52-X2	08	+B3X1	52-X3	08	2250	
54	NL 52 03 04			W	+B3X1	52-X3	06	+B9E1	=52E15	02	4500	
55	FLD 52 01 01			R	+B3X1	52-X3	01	+B4X1	52-X4	01	2250	
56	SW 52 01 01			R	+B4X1	52-X4	01	+S31S1	=52S1	01	1000	
57	FLD 52 01 01			R	+S31S1	=52S1	02	+B7E1/E2	=52E16	01	3500	
58	FLD 52 01 02			BLK	+B3X1	52-X3	02	+B4X1	52-X4	02	2250	FLD-4
59	FLD 52 01 02			BLK	+B4X1	52-X4	02	+B7E1/E2	=52E16	02	3000	
60	52 01 03			GNYE	+B3X1	52-X3	09, 10	+B4X1	52-X4	09, 10	2250	
61	FLD 52 01 03			GNYE	+B4X1	52-X4	09	+B7E1/E2	=52E16	PE	3000	
62	FLS 52 01 04			B	+B3X1	52-X3	05	+B4X1	52-X4	05	2250	
63	SW 52 01 01			R	+B4X1	52-X4	03	+S31S1	=52S2	01	1000	
64	FLS 52 01 01			R	+S31S1	=52S2	02	+B8E1	=52E17	01	5000	FLS-2
65	FLS 52 01 05			BLK	+B3X1	52-X3	06	+B4X1	52-X4	06	2250	
66	FLS 52 01 02			BLK	+B4X1	52-X4	04	+B8E1	=52E17	02	4500	
67	FLS 52 01 03			GNYE	+B4X1	52-X4	10	+B8E1	=52E17	PE	4500	
68	NL 52 03 03			CH	+B3X1	52-X3	07	+B4X1	52-X4	07	2250	
69	SW 52 03 03			CH	+B4X1	52-X4	05	+S31S1	=72A1	01	1000	
70	NL 52 03 03			CH	+S31S1	=52S3	02	+B9E1	=52E18	01	5000	NL-4
71	NL 52 03 04			W	+B3X1	52-X3	08	+B4X1	52-X4	08	2250	
72	NL 52 03 04			W	+B4X1	52-X4	06	+B9E1	=52E18	02	4500	
73	52 01 06			R	+S1X1	----	112	+B5X1	52-X5	01	14000	
74	SV 52 01 01			R	+B5X1	52-X5	01	+S32S1	=52S1	01	1000	
75	FLD 52 01 01			R	+S32S1	=52S1	02	+B7E1/E2	=52E19	01	3500	
76	52 01 07			BLK	+S1X1	----	113	+B5X1	52-X5	02	14000	FLD-5
77	FLD 52 01 02			BLK	+B5X1	52-X5	02	+B7E1/E2	=52E19	02	3000	
78	52 01 03			GNYE	+B4X1	52-X4	09, 10	+B5X1	52-X5	09, 10	2250	
79	FLD 52 01 03			GNYE	+B5X1	52-X5	09	+B7E1/E2	=52E19	PE	3000	
80	FLE 52 01 04			B	+B4X1	52-X4	05	+B5X1	52-X5	05	2250	
81	SW 52 01 04			B	+B5X1	52-X5	03	+S32S1	=52S2	01	1000	
82	FLE 52 01 04			B	+S32S1	=52S2	02	+B8E1	=52E20	01	5000	FLE-7
83	FLE 52 01 05			BLK	+B4X1	52-X4	06	+B5X1	52-X5	06	2250	
84	FLE 52 01 05			BLK	+B5X1	52-X5	04	+B8E1	=52E20	02	4500	
85	FLE 52 01 03			GNYE	+B5X1	52-X5	10	+B8E1	=52E20	PE	4500	
86	NL 52 03 03			CH	+B4X1	52-X4	07	+B5X1	52-X5	07	2250	
87	SW 52 03 03			CH	+B5X1	52-X5	05	+S32S1	=72A1	01	1000	
88	NL 52 03 03			CH	+S32S1	=52S3	02	+B9E1	=52E21	01	5000	NL-5
89	NL 52 03 04			W	+B4X1	52-X4	08	+B5X1	52-X5	08	2250	
90	NL 52 03 04			W	+B5X1	52-X5	06	+B9E1	=52E21	02	4500	

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
91	FLD 52 01 01	1. 5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	R	+B5X1	52-X5	01	+B6X1	52-X6	01	2250	
92	SW 52 01 01			R	+B6X1	52-X6	01	+S33S1	=52S1	01	1000	FLD-6
93	FLD 52 01 01			R	+S33S1	=52S1	02	+B7E1/E2	=52E22	01	3500	
94	FLD 52 01 02			BLK	+B5X1	52-X5	02	+B6X1	52-X6	02	2250	
95	FLD 52 01 02			BLK	+B6X1	52-X6	02	+B7E1/E2	=52E22	02	3000	
96	52 01 03			GNYE	+B5X1	52-X5	09, 10	+B6X1	=52-X6	09, 10	2250	
97	FLD 52 01 03			GNYE	+B6X1	52-X6	09	+B7E1/E2	=52E22	PE	3000	
98	FLS 52 01 04			B	+B5X1	52-X5	05	+B6X1	52-X6	05	2250	
99	SW 52 01 01			R	+B6X1	52-X6	03	+S33S1	=52S2	01	1000	FLS-3
100	FLS 52 01 01			R	+S33S1	=52S2	02	+B8E1	=52E23	01	5000	
101	FLS 52 01 05			BLK	+B5X1	52-X5	06	+B6X1	52-X6	06	2250	
102	FLS 52 01 02			BLK	+B6X1	52-X6	04	+B8E1	=52E23	02	4500	
103	FLS 52 01 03			GNYE	+B6X1	52-X6	10	+B8E1	=52E23	PE	4500	
104	NL 52 03 03			CH	+B5X1	52-X5	07	+B6X1	52-X6	07	2250	
105	SW 52 03 03			CH	+B6X1	52-X6	05	+S33S1	=72A1	01	1000	NL-6
106	NL 52 03 03			CH	+S33S1	=52S3	02	+B9E1	=52E24	01	5000	
107	NL 52 03 04			W	+B5X1	52-X5	08	+B6X1	52-X6	08	2250	
108	NL 52 03 04			W	+B6X1	52-X6	06	+B9E1	=52E24	02	4500	
109	FLD 52 01 01			R	+B6X1	=52-X6	01	+B7X1	52-X7	01	2250	
110	SW 52 01 01			R	+B7X1	52-X7	01	+S34S1	=52S1	01	1000	
111	FLD 52 01 01			R	+S52S1	=52S19	02	+B7E1/E2	=52E25	01	3500	
112	FLD 52 01 02			BLK	+B6X1	=52-X6	02	+B7X1	52-X7	02	2250	FLD-7
113	FLD 52 01 02			BLK	+B7X1	52-X7	02	+B7E1/E2	=52E25	02	3000	
114	52 01 03			GNYE	+B6X1	52-X6	09, 10	+B7X1	52-X7	09, 10	2250	
115	FLD 52 01 03			GNYE	+B7X1	52-X7	09	+B7E1/E2	=52E25	PE	3000	
116	FLE 52 01 04			B	+B6X1	52-X6	05	+B7X1	52-X7	05	2250	
117	SW 52 01 04			B	+B7X1	52-X7	03	+S34S1	=52S2	01	1000	
118	FLE 52 01 04			B	+S34S1	=52S2	02	+B8E1	=52E26	01	5000	FLE-8
119	FLE 52 01 05			BLK	+B6X1	52-X6	06	+B7X1	52-X7	06	2250	
120	FLE 52 01 05			BLK	+B7X1	52-X7	04	+B8E1	=52E26	02	4500	
121	FLE 52 01 03			GNYE	+B7X1	52-X7	10	+B8E1	=52E26	PE	4500	
122	NL 52 03 03			CH	+B6X1	52-X6	07	+B7X1	52-X7	07	2250	
123	SW 52 03 03			CH	+B7X1	52-X7	05	+S34S1	=72A1	01	1000	
124	NL 52 03 03			CH	+S34S1	=52S3	02	+B9E1	=52E27	01	5000	NL-7
125	NL 52 03 04			W	+B6X1	52-X6	08	+B7X1	52-X7	08	2250	
126	NL 52 03 04			W	+B7X1	52-X7	06	+B9E1	=52E27	02	4500	
127	FLD 52 01 01			R	+B7X1	52-X7	01	+B8X1	52-X8	01	2250	
128	SW 52 01 01			R	+B8X1	52-X8	01	+S35S1	=52S1	01	1000	
129	FLD 52 01 01			R	+S35S1	=52S1	02	+B7E1/E2	=52E28	01	3500	
130	FLD 52 01 02			BLK	+B7X1	52-X7	02	+B8X1	52-X8	02	2250	FLD-8
131	FLD 52 01 02			BLK	+B8X1	52-X8	02	+B7E1/E2	=52E28	02	3000	
132	52 01 03			GNYE	+B7X1	52-X7	09, 10	+B8X1	52-X8	09, 10	2250	
133	FLD 52 01 03			GNYE	+B8X1	52-X8	09	+B7E1/E2	=52E28	PE	3000	
134	FLS 52 01 04			B	+B7X1	52-X7	05	+B8X1	52-X8	05	2250	
135	SV 52 01 01			R	+B8X1	52-X8	03	+S35S1	=52S2	01	1000	
136	FLS 52 01 01			R	+S35S1	=52S2	02	+B8E1	=52E29	01	5000	FLS-4
137	FLS 52 01 05			BLK	+B7X1	52-X7	06	+B8X1	52-X8	06	2250	
138	FLS 52 01 02			BLK	+B8X1	52-X8	04	+B8E1	=52E29	02	4500	
139	FLS 52 01 03			GNYE	+B8X1	52-X8	10	+B8E1	=52E29	PE	4500	
140	NL 52 03 03			CH	+B7X1	52-X7	07	+B8X1	52-X8	07	2250	
141	SW 52 03 03			CH	+B8X1	52-X8	05	+S35S1	=72A1	01	1000	
142	NL 52 03 03			CH	+S35S1	=52S3	02	+B9E1	=52E30	01	5000	NL-8
143	NL 52 03 04			W	+B7X1	52-X7	08	+B8X1	52-X8	08	2250	
144	NL 52 03 04			W	+B8X1	52-X8	06	+B9E1	=52E30	02	4500	
145	FLD 52 01 01			R	+B8X1	=52-X8	01	+B9X1	52-X9	01	2250	
146	SW 52 01 01			R	+B9X1	52-X9	01	+S36S1	=52S1	01	1000	
147	FLD 52 01 01			R	+S36S1	=52S1	02	+B7E1/E2	=52E31	01	3500	
148	FLD 52 01 02			BLK	+B8X1	=52-X8	02	+B9X1	52-X9	02	2250	FLD-9
149	FLD 52 01 02			BLK	+B9X1	52-X9	02	+B7E1/E2	=52E31	02	3000	
150	52 01 03			GNYE	+B8X1	52-X8	09, 10	+B9X1	52-X9	09, 10	2250	
151	FLD 52 01 03			GNYE	+B9X1	52-X9	09	+B7E1/E2	=52E31	PE	3000	
152	FLE 52 01 04			B	+B8X1	=52-X8	05	+B9X1	52-X9	05	2250	
153	SW 52 01 04			B	+B9X1	52-X9	03	+S36S1	=52S2	01	1000	
154	FLE 52 01 04			B	+S36S1	=52S2	02	+B8E1	=52E32	01	5000	FLE-9
155	FLE 52 01 05			BLK	+B8X1	=52-X8	06	+B9X1	52-X9	06	2250	
156	FLE 52 01 05			BLK	+B9X1	52-X9	04	+B8E1	=52E32	02	4500	
157	FLE 52 01 03			GNYE	+B9X1	52-X9	10	+B8E1	=52E32	PE	4500	
158	NL 52 03 03			CH	+B8X1	=52-X8	07	+B9X1	52-X9	07	2250	
159	SW 52 03 03			CH	+B9X1	52-X9	05	+S36S1	=72A1	01	1000	
160	NL 52 03 03			CH	+S36S1	=52S3	02	+B9E1	=52E33	01	5000	NL-9
161	NL 52 03 04			W	+B8X1	=52-X8	08	+B9X1	52-X9	08	2250	
162	NL 52 03 04			W	+B9X1	52-X9	06	+B9E1	=52E33	02	4500	

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

THIS DRAWING IS THE INTELLECTUAL PROPERTY OF RAIL COACH FACTORY, KAPURTHALA.
THIS DRAWING SHOULD NOT BE REPRODUCED, ALTERED, USED FOR MANUFACTURING OF
COMPONENTS SUPPLIED TO RAILWAYS AND OTHERS WITHOUT PERMISSION FROM CHIEF DESIGN ENGINEER,
RAIL COACH FACTORY, KAPURTHALA.

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 20/12/2025

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	OPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LE70204 ALT e		
WEIGHT	FILE	D:\BKRM\LE\le70204s5f.prt				
NIL KG		HARNESS CHART FOR ROOF	SCALE	SSE/ED		
S.AREA				CHD		
NIL M²		(FOR AC 3-TIER EOG LHB TYPE COACHES)		DRN		
~~LENGTH/DIA~~						
NIL M		RAIL COACH FACTORY, KAPURTHALA	REF.DRG.No.	NIL		
~~WIDTH/THICK.~~		रेल कोच फैक्टरी कपूरथला IRS	PL NO.	NIL		
NIL M			DRG.NO.	LE70204		
HEIGHT		SEE/DAD DY.CEE/D&D	ALT.	F	SIZE A1	SHEET 1/5
NIL M						

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

PACIL & CHAIN PULL CIRCUIT

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	AL 32 04 05	1.5SQ.MM	ELRS/SPEC/ELC/ 0019, (LATEST)	CH	+S1-X1	------	95	+B1-X1	=52-X1	03	6000	LS-1
2	AL 32 04 05			CH	+B1-X1	=52-X1	07	+S28S1	=43-S3	01	1000	
3	AL 43 01 02			W	+S1-X1	------	99	+B1-X1	=52-X1	04	6000	
4	AL 43 01 02			W	+B1-X1	=52-X1	08	+S28S1	=43-S3	02	1000	
5	43 01 03			BLK	+S1-X1	----	100	+B1-X1	=52-X1	11	6000	
6	AL 43 01 03			BLK	+B1-X1	=52-X1	11	+S28S1	=43-S3	03	1000	
7	AL 43 01 04			GNYE	+B1-X1	=52-X1	9	+S28S1	=43-S3	PE	1000	
8	AL 32 04 05			CH	+B1-X1	=52-X1	03	+B2-X1	=52-X2	03	2250	LS-2
9	AL 32 04 05			CH	+B2-X1	=52-X2	07	+S29S1	=43-S4	01	1000	
10	AL 43 01 02			W	+B1-X1	=52-X1	04	+B2-X1	=52-X2	04	2250	
11	AL 43 01 02			W	+B2-X1	=52-X2	08	+S29S1	=43-S4	02	1000	
12	43 01 03			BLK	+B1-X1	=52-X1	11	+B2-X1	=52-X2	11	2250	
13	AL 43 01 03			BLK	+B2-X1	=52-X2	11	+S29S1	=43-S4	03	1000	
14	AL 43 01 04			GNYE	+B2-X1	=52-X2	9	+S29S1	=43-S4	PE	1000	
15	AL 32 04 05			CH	+B2-X1	=52-X2	03	+B3-X1	=52-X3	03	2250	LS-3
16	AL 32 04 05			CH	+B3-X1	=52-X3	07	+S30S1	=43-S5	01	1000	
17	AL 43 01 02			W	+B2-X1	=52-X2	04	+B3-X1	=52-X3	04	2250	
18	AL 43 01 02			W	+B3X1	=52-X3	08	+S30S1	=43-S5	02	1000	
19	43 01 03			BLK	+B2-X1	=52-X2	11	+B3-X1	=52-X3	11	2250	
20	AL 43 01 03			BLK	+B3-X1	=52-X3	11	+S30S1	=43-S5	03	1000	
21	AL 43 01 04			GNYE	+B3-X1	=52-X3	9	+S30S1	=43-S5	PE	1000	
22	AL 32 04 05			CH	+B3-X1	=52-X3	03	+B4-X1	=52-X4	03	2250	LS-4
23	AL 32 04 05			CH	+B4-X1	=52-X4	07	+S31S1	=43-S6	01	1000	
24	AL 43 01 02			W	+B3-X1	=52-X3	04	+B4-X1	=52-X4	04	2250	
25	AL 43 01 02			W	+B4-X1	=52-X4	08	+S31S1	=43-S6	02	1000	
26	43 01 03			BLK	+B3-X1	=52-X3	11	+B4-X1	=52-X4	11	2250	
27	AL 43 01 03			BLK	+B4-X1	=52-X4	11	+S31S1	=43-S6	03	1000	
28	AL 43 01 04			GNYE	+B4-X1	=52-X4	9	+S31S1	=43-S6	PE	1000	
29	AL 32 04 05			CH	+B4-X1	=52-X4	03	+B5-X1	=52-X5	03	2250	LS-5
30	AL 32 04 05			CH	+B5-X1	=52-X5	07	+S32S1	=43-S7	01	1000	
31	AL 43 01 02			W	+B4-X1	=52-X4	04	+B5-X1	=52-X5	04	2250	
32	AL 43 01 02			W	+B5-X1	=52-X5	08	+S32S1	=43-S7	02	1000	
33	43 01 03			BLK	+B4-X1	=52-X4	11	+B5-X1	=52-X5	11	2250	
34	AL 43 01 03			BLK	+B5-X1	=52-X5	11	+S32S1	=43-S7	03	1000	
35	AL 43 01 04			GNYE	+B5-X1	=52-X5	9	+S32S1	=43-S7	PE	1000	
36	AL 32 04 05			CH	+B5-X1	=52-X5	03	+B6-X1	=52-X6	03	2250	LS-6
37	AL 32 04 05			CH	+B6-X1	=52-X6	07	+S33S1	=43-S8	01	1000	
38	AL 43 01 02			W	+B5-X1	=52-X5	04	+B6-X1	=52-X6	04	2250	
39	AL 43 01 02			W	+B6-X1	=52-X6	08	+S33S1	=43-S8	02	1000	
40	43 01 03			BLK	+B5-X1	=52-X5	11	+B6-X1	=52-X6	11	2250	
41	AL 43 01 03			BLK	+B6-X1	=52-X6	11	+S33S1	=43-S8	03	1000	
42	AL 43 01 04			GNYE	+B6-X1	=52-X6	9	+S33S1	=43-S8	PE	1000	
43	AL 32 04 05			CH	+B6-X1	=52-X6	03	+B7-X1	=52-X7	03	2250	LS-7
44	AL 32 04 05			CH	+B7-X1	=52-X7	07	+S34S1	=43-S9	01	1000	
45	AL 43 01 02			W	+B6-X1	=52-X6	04	+B7-X1	=52-X7	04	2250	
46	AL 43 01 02			W	+B7-X1	=52-X7	08	+S34S1	=43-S9	02	1000	
47	43 01 03			BLK	+B6-X1	=52-X6	11	+B7-X1	=52-X7	11	2250	
48	AL 43 01 03			BLK	+B7-X1	=52-X7	11	+S34S1	=43-S9	03	1000	
49	AL 43 01 04			GNYE	+B7-X1	=52-X7	9	+S34S1	=43-S9	PE	1000	
50	AL 32 04 05			CH	+B7-X1	=52-X7	03	+B8-X1	=52-X8	03	2250	LS-8
51	AL 32 04 05			CH	+B8-X1	=52-X8	07	+S35S1	=43-S10	01	1000	
52	AL 43 01 02			W	+B7-X1	=52-X7	04	+B8-X1	=52-X8	04	2250	
53	AL 43 01 02			W	+B8-X1	=52-X8	08	+S35S1	=43-S10	02	1000	
54	43 01 03			BLK	+B7-X1	=52-X7	11	+B8-X1	=52-X8	11	2250	
55	AL 43 01 03			BLK	+B8-X1	=52-X8	11	+S35S1	=43-S10	03	1000	
56	AL 43 01 04			GNYE	+B8-X1	=52-X8	9	+S35S1	=43-S10	PE	1000	
57	AL 32 04 05			CH	+B8-X1	=52-X8	03	+B9-X1	=52-X9	03	2250	LS-9
58	AL 32 04 05			CH	+B9-X1	=52-X9	07	+S36S1	=43-S11	01	1000	
59	AL 43 01 02			W	+B8-X1	=52-X8	04	+B9-X1	=52-X9	04	2250	
60	AL 43 01 02			W	+B9-X1	=52-X9	08	+S36S1	=43-S11	02	1000	
61	43 01 03			BLK	+B8-X1	=52-X8	11	+B9-X1	=52-X9	11	2250	
62	AL 43 01 03			BLK	+B9-X1	=52-X9	11	+S36S1	=43-S11	03	1000	
63	AL 43 01 04			GNYE	+B9-X1	=52-X9	9	+S36S1	=43-S11	PE	1000	
64	32 04 05.23			CH	+S1-X1	---	95	+S19-X1	---	01,02	7000	LS (SPARE)
65	43 01 02.05			W	+S1-X1	---	99	+S19-X1	---	03,04	7000	
66	43 01 PE.03			GNYE	+S1-X1	---	PE	+S19-X1	---	32	7000	
67	32 04 05.27			CH	+S19-X1	---	01,02	+S16-X1	---	01,02	10000	LS (SPARE)
68	43 01 02.10			W	+S19-X1	---	03,04	+S16-X1	---	03,04	10000	
69	53 01 06.27			GNYE	+S19-X1	---	32	+S16-X1	---	32	10000	
70	32 04 05.29			CH	+S16-X1	---	01,02	+S17-X1	---	01,02	28000	LS (SPARE)
71	43 01 02.02			W	+S16-X1	---	03,04	+S17-X1	---	03,04	28000	
72	43 01 PE.02			GNYE	+S16-X1	---	32	+S17-X1	---	32	28000	
73	32 04 05.27			CH	+S17-X1	---	01,02	+S18-X1	---	01,02	10000	LS (SPARE)
74	43 01 02.10			W	+S17-X1	---	03,04	+S18-X1	---	03,04	10000	
75	43 01 PE.01			GNYE	+S17-X1	---	32	+S18-X1	---	32	10000	
76	52 02 07.01			Y	+S1X1	----	112	+B39E1	---	01	5000	PACIL-1
77	52 02 08.01			BLK	+S1X1	----	113	+B39E1	---	02	5000	
78	43 02 PE.27			GNYE	+S1X1	----	PE	+B39E1	---	PE	5000	
79	52 02 07.02			Y	+S1X1	----	112	+B40E1	---	01	8000	PACIL-2
80	52 02 08.02			BLK	+S1X1	----	113	+B40E1	---	02	8000	
81	43 02 PE.28			GNYE	+S1X1	----	PE	+B40E1	---	PE	8000	

LAVATORY, DOORWAY & GANGWAY LIGHT CIRCUIT

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	52 01 01.03	1.5SQ.MM	ELRS/SPEC/ELC/ 0019, (LATEST)	CH	+S1X1	------	106	+S19-X1	=72-X1	18	6000	LL-1
2	----			CH	+S19-X1	=72-X1	18	+B1E1	=52-E1	01	*	
3	52 01 03.03			W	+S1X1	------	103	+S19-X1	=72-X1	20	6000	
4	----			W	+S19-X1	=72-X1	20	+B1E1	=52-E1	02	*	
5	52 01 01.05			CH	+S19X1	=72-X1	18	+S16-X1	=72-X2	18	7000	LL-2
6	----			CH	+S16-X1	=72-X2	18	+B2E1	=52-E2	01	*	
7	52 01 03.05			W	+S19X1	=72-X1	20	+S16-X1	=72-X2	20	7000	
8	----			W	+S16-X1	=72-X2	20	+B2E1	=52-E2	02	*	
9	52 01 01.07			CH	+S16X1	=72-X2	18	+S17-X1	=72-X3	18	25000	LL-3
10	----			CH	+S17-X1	=72-X3	18	+B37E1	=52-E37	01	*	
11	52 01 03.07			W	+S16X1	=72-X2	20	+S17-X1	=72-X3	20	25000	
12	----			W	+S17-X1	=72-X3	20	+B37E1	=52-E37	02	*	
13	52 01 01.07			CH	+S17X1	=72-X3	18	+S18-X1	=72-X4	18	7000	LL-4
14	----			CH	+S18-X1	=72-X4	18	+B38E1	=52-E38	01	*	
15	52 01 03.07			W	+S17X1	=72-X3	20	+S18-X1	=72-X4	20	7000	
16	----			W	+S18-X1	=72-X4	20	+B38E1	=52-E38	02	*	
17	52 04 01.03	1.5SQ.MM	ELRS/SPEC/ELC/ 0019, (LATEST)	R	+S1X1	----	109	+S19X1	=72-X1	22	6000	FLE-1
18	52 04 01.04			R	+S19X1	=72-X1	22	+B3E1	=52-E3	01	4000	
19	52 04 02.04			BLK	+S1X1	----	108	+S19X1	=72-X1	24	6000	
20	52 04 02.05			BLK	+S19X1	=72-X1	24	+B3E1	=52-E3	02	4000	
21	43 01 PE.03			GNYE	+S1X1	----	111	+S19X1	=72-X1	PE	6000	
22	43 01 PE.04			GNYE	+S19X1	=72-X1	31	+B3E1	=52-E3	PE	4000	
23	52 01 01.04			CH	+S19X1	=72-X1	19	+B4E1	=52-E4	01	4000	FLE-2
24	52 01 03.04			W	+S19X1	=72-X1	21	+B4E1	=52-E4	02	4000	
25	52 01 06.01			GNYE	+S1X1	----	110	+S19X1	=72-X1	31	6000	
26	52 01 06.02			GNYE	+S19X1	=72-X1	31	+B4E1	=52-E4	PE	4000	
27	52 04 01.05			R	+S19X1	=72-X1	22	+S16X1	=72-X2	22	7000	FLE-4
28	52 04 01.06			R	+S16X1	=72-X2	19	+B5E1	=52-E5	01	3000	
29	52 04 02.06			BLK	+S19X1	=72-X1	24	+S16X1	=72-X2	24	7000	
30	52 04 02.07			BLK	+S16X1	=72-X2	21	+B5E1	=52-E5	02	3000	
31	43 01 PE.05			GNYE	+S19X1	=72-X1	31	+S16X1	=72-X2	PE	7000	
32	43 01 PE.06			GNYE	+S16X1	=72-X2	31	+B5E1	=52-E5	PE	3000	
33	52 01 01.06			CH	+S16X1	=72-X2	22	+B6E1	=52-E6	01	6000	FLE-3
34	52 01 03.03			W	+S16X1	=72-X2	24	+B6E1	=52-E6	02	6000	
35	52 01 06.03			GNYE	+S19X1	=72-X1	31	+S16X1	=72-X2	31	7000	
36	52 01 06.04			GNYE	+S16X1	=72-X2	31	+B6E1	=52-E6	PE	6000	
37	52 04 01.07			R	+S16X1	=72-X2	22	+S17X1	=72-X3	22	25000	FLE-10
38	52 04 01.08			R	+S17X1	=72-X3	22	+B34E1	=52-E34	01	3000	
39	52 04 02.08			BLK	+S16X1	=72-X2	24	+S17X1	=72-X3	24	25000	
40	52 04 02.09			BLK	+S17X1	=72-X3	24	+B34E1	=52-E34	02	3000	
41	43 01 PE.07			GNYE	+S16X1	=72-X2	31	+S17X1	=72-X3	31	25000	
42	43 01 PE.08			GNYE	+S17X1	=72-X3	31	+B34E1	=52-E34	PE	3000	
43	52 01 01.08			CH	+S17X1	=72-X3	19	+B36E1	=52-E36	01	4000	FLE-12
44	52 01 03.08			W	+S17X1	=72-X3	21	+B36E1	=52-E36	02	4000	
45	52 01 06.05			GNYE	+S16X1	=72-X2	31	+S17X1	=72-X3	31	25000	
46	52 01 06.06			GNYE	+S17X1	=72-X3	31	+B36E1	=52-E36	PE	4000	
47	52 04 01.09			R	+S17X1	=72-X3	22	+S18X1	=72-X4	22	7000	FLE-11
48	52 04 01.10			R	+S18X1	=72-X4	22	+B35E1	=52-E35	01	3000	
49	52 04 02.10			BLK	+S17X1	=72-X3	24	+S18X1	=72-X4	24	7000	
50	52 04 02.11			BLK	+S18X1	=72-X4	24	+B35E1	=52-E35	02	3000	
51	43 01 PE.09			GNYE	+S17X1	=72-X3	31	+S18X1	=72-X4	31	7000	
52	43 01 PE.10			GNYE	+S18X1	=72-X4	31	+B35E1	=52-E35	PE	3000	

WC ENGAGED INDICATION LIGHT & SHAVER SOCKET CIRCUIT

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	32 05 07.04	1. 5SQ. MM	ELRS/SPEC/ELC/ 0019 (LATEST)	CHOCO	+S1X1	-----	25	+S19X1	=72-X1	05, 06	6000	WC-1
2	32 05 08.31			CHOCO	+S19X1	=72-X1	07	+S16H1	=72-H1	02	8500	
3	32 05 08.04			WHITE	+S1X1	-----	26	+S19X1	=72-X1	08, 09	6000	
4	72 05 01.03			WHITE	+S19X1	=72-X1	08, 09	+S16H1	=72-H1	01	8500	
~~5~~	~~33 06 07.02~~			~~RED~~	~~+S1X1~~		~~227~~	~~+S19X1~~	~~=72-X1~~	~~16~~	~~7000~~	~~SHAVER SOCKET-1~~
~~6~~	~~33 06 08.02~~			~~BLACK~~	~~+S1X1~~	~~-----~~	~~228~~	~~+S19X1~~	~~=72-X1~~	~~17~~	~~7000~~	
7	32 05 07.21			CHOCO	+S19X1	=72-X1	05, 06	+S16X1	=72-X2	05, 06	7000	WC-2
8	32 05 08.02			CHOCO	+S16X1	=72-X2	07	+S17H1	=72-H2	02	8500	
9	32 05 08.33			WHITE	+S19X1	=72-X1	08, 09	+S16X1	=72-X2	08, 09	7000	
10	72 01 01.03			WHITE	+S16X1	=72-X2	08, 09	+S17H1	=72-H2	01	8500	
~~11~~	~~33 06 07.05~~			~~RED~~	~~+S19X1~~	~~=72-X1~~	~~16~~	~~+S16X1~~	~~=72-X2~~	~~16~~	~~10000~~	~~SHAVER SOCKET-2~~
~~12~~	~~33 06 08.07~~			~~BLACK~~	~~+S19X1~~	~~=72-X1~~	~~17~~	~~+S16X1~~	~~=72-X2~~	~~17~~	~~10000~~	
13	32 05 07.17			CHOCO	+S16X1	=72-X2	05, 06	+S17X1	=72-X3	05, 06	25000	WC-3
14	32 05 08.36			CHOCO	+S17X1	=72-X3	07	+S18H1	=72-H3	02	8500	
15	32 05 08.29			WHITE	+S16X1	=72-X2	08, 09	+S17X1	=72-X3	08, 09	25000	
16	72 03 01.03			WHITE	+S17X1	=72-X3	08, 09	+S18H1	=72-H3	01	8500	
~~17~~	~~33 06 07.02~~			~~RED~~	~~+S16X1~~	~~=72-X2~~	~~16~~	~~+S17X1~~	~~=72-X3~~	~~16~~	~~28000~~	~~SHAVER SOCKET-3~~
~~18~~	~~33 06 08.06~~			~~BLACK~~	~~+S16X1~~	~~=72-X2~~	~~17~~	~~+S17X1~~	~~=72-X3~~	~~17~~	~~28000~~	
19	32 05 07.21			CHOCO	+S17X1	=72-X3	05, 06	+S18X1	=72-X4	05, 06	7000	WC-4
20	32 05 08.31			CHOCO	+S18X1	=72-X4	07	+S18H1	=72-H4	02	8500	
21	32 05 08.33			WHITE	+S17X1	=72-X3	08, 09	+S18X1	=72-X4	08, 09	7000	
22	72 05 01.03			WHITE	+S18X1	=72-X4	08, 09	+S18H1	=72-H4	01	8500	
~~23~~	~~33 06 07.05~~			~~RED~~	~~+S17X1~~	~~=72-X3~~	~~16~~	~~+S18X1~~	~~=72-X4~~	~~16~~	~~10000~~	~~SHAVER SOCKET-4~~
~~24~~	~~33 06 08.07~~			~~BLACK~~	~~+S17X1~~	~~=72-X3~~	~~17~~	~~+S18X1~~	~~=72-X4~~	~~17~~	~~10000~~	

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WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LE70204 ALT e		
WEIGHT	FILE	D:\BKRM\LE\le70204s5f.prt				
NIL KG		HARNESS CHART FOR ROOF		SCALE	SSE/ED	
S.AREA					CHD	
NIL M²		(FOR AC 3-TIER EOG LHB TYPE COACHES)			DRN	
~~LENGTH/DIA~~						
NIL M		RAIL COACH FACTORY, KAPURTHALA		REF.DRG.No.	NIL	
~~WIDTH/THICK.~~		रेलकोच फैक्टरी कपूरथला	IRS	PL NO.	NIL	
NIL M				DRG.NO.	LE70204	
HEIGHT				ALT.	0	SIZE A1 SHEET 2/5
NIL M		SEE/D&D	DY.CEE/D&D			

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 20/12/2025

MOBILE CHARGING/LAP-TOP SOCKET CIRCUIT (CABIN)

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	CS 52 01 03			RED	+S1X1	----	331	+B1X1	=52X1	01	6000	
2	CS 52 01 04			BLACK	+S1X1	----	334	+B1X1	=52X1	02	6000	CS-1 TO 6
3	CS 52 01 05			GNYE	+S1X1	----	111	+B1X1	=52X1	03	6000	
4	CS 52 01 03			RED	+B1X1	=52X1	12	CS-3	=72-A3	P	2600	CS-3
5	CS 52 01 04			BLACK	+B1X1	=52X1	14	CS-3	=72-A3	N	2600	1 & 2 TO BE CUT & LOOPED
6	CS 52 01 05			GNYE	+B1X1	=52X1	15	CS-3	=72-A3	E	2600	
7	CS 52 01 03			RED	+B1X1	=52X1	12	CS-6	=72-A6	P	2600	CS-6
8	CS 52 01 04			BLACK	+B1X1	=52X1	14	CS-6	=72-A6	N	2600	4 & 5 TO BE CUT & LOOPED
9	CS 52 01 05			GNYE	+B1X1	=52X1	15	CS-6	=72-A6	E	2600	
10	CS 52 01 01			BLUE	+S1X1	----	333	+B2X1	=52X2	12	8250	CS-7 TO 9
11	CS 52 01 02			YELLOW	+S1X1	----	332	+B2X1	=52X2	13	8250	CS-10 TO 12
12	CS 52 01 04			BLACK	+B1X1	=52X1	14	+B2X1	=52X2	14	2250	
13	CS 52 01 05			GNYE	+B1X1	=52X1	15	+B2X1	=52X2	15	2250	
14	CS 52 01 01			BLUE	+B2X1	=52X2	12	CS-9	=72-A9	P	2600	CS-9
15	CS 52 01 04			BLACK	+B2X1	=52X2	14	CS-9	=72-A9	N	2600	7 & 8 TO BE CUT & LOOPED
16	CS 52 01 05			GNYE	+B2X1	=52X2	15	CS-9	=72-A9	E	2600	
17	CS 52 01 02			YELLOW	+B2X1	=52X2	13	CS-12	=72-A12	P	2600	CS-12
18	CS 52 01 04			BLACK	+B2X1	=52X2	14	CS-12	=72-A12	N	2600	10 & 11 TO BE CUT & LOOPED
19	CS 52 01 05			GNYE	+B2X1	=52X2	15	CS-12	=72-A12	E	2600	
20	CS 52 01 01			BLUE	+B2X1	=52X2	12	+B3X1	=52X3	12	2250	CS-13 TO 15
21	CS 52 01 02			YELLOW	+B2X1	=52X2	13	+B3X1	=52X3	13	2250	CS-16 TO 18
22	CS 52 01 04			BLACK	+B2X1	=52X2	14	+B3X1	=52X3	14	2250	
23	CS 52 01 05			GNYE	+B2X1	=52X2	15	+B3X1	=52X3	15	2250	
24	CS 52 01 01			BLUE	+B3X1	=52X3	12	CS-15	=72-A15	P	2600	CS-15
25	CS 52 01 04			BLACK	+B3X1	=52X3	14	CS-15	=72-A15	N	2600	13 & 14 TO BE CUT & LOOPED
26	CS 52 01 05			GNYE	+B3X1	=52X3	15	CS-15	=72-A15	E	2600	
27	CS 52 01 02			YELLOW	+B3X1	=52X3	13	CS-18	=72-A18	P	2600	CS-18
28	CS 52 01 04			BLACK	+B3X1	=52X3	14	CS-18	=72-A18	N	2600	16 & 17 TO BE CUT & LOOPED
29	CS 52 01 05			GNYE	+B3X1	=52X3	15	CS-18	=72-A18	E	2600	
30	CS 52 01 01			BLUE	+B3X1	=52X3	12	+B4X1	=52X4	12	2250	CS-19 TO 21
31	CS 52 01 02			YELLOW	+B3X1	=52X3	13	+B4X1	=52X4	13	2250	CS-22 TO 24
32	CS 52 01 04			BLACK	+B3X1	=52X3	14	+B4X1	=52X4	14	2250	
33	CS 52 01 05			GNYE	+B3X1	=52X3	15	+B4X1	=52X4	15	2250	
34	CS 52 01 01			BLUE	+B4X1	=52X4	12	CS-21	=72-A21	P	2600	CS-21
35	CS 52 01 04			BLACK	+B4X1	=52X4	14	CS-21	=72-A21	N	2600	19 & 20 TO BE CUT & LOOPED
36	CS 52 01 05			GNYE	+B4X1	=52X4	15	CS-21	=72-A21	E	2600	
37	CS 52 01 02			YELLOW	+B4X1	=52X4	13	CS-24	=72-A24	P	2600	CS-24
38	CS 52 01 04			BLACK	+B4X1	=52X4	14	CS-24	=72-A24	N	2600	22 & 23 TO BE CUT & LOOPED
39	CS 52 01 05			GNYE	+B4X1	=52X4	15	CS-24	=72-A24	E	2600	
40	CS 52 01 01			BLUE	+B4X1	=52X4	12	+B5X1	=52X5	12	2250	CS-25 TO 27
41	CS 52 01 02			YELLOW	+B4X1	=52X4	13	+B5X1	=52X5	13	2250	CS-28 TO 30
42	CS 52 01 04			BLACK	+B4X1	=52X4	14	+B5X1	=52X5	14	2250	
43	CS 52 01 05			GNYE	+B4X1	=52X4	15	+B5X1	=52X5	15	2250	
44	CS 52 01 01			BLUE	+B5X1	=52X5	12	CS-27	=72-A27	P	2600	CS-27
45	CS 52 01 04			BLACK	+B5X1	=52X5	14	CS-27	=72-A27	N	2600	25 & 26 TO BE CUT & LOOPED
46	CS 52 01 05			GNYE	+B5X1	=52X5	15	CS-27	=72-A27	E	2600	
47	CS 52 01 02			YELLOW	+B5X1	=52X5	13	CS-30	=72-A30	P	2600	CS-30
48	CS 52 01 04	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	BLACK	+B5X1	=52X5	14	CS-30	=72-A30	N	2600	28 & 29 TO BE CUT & LOOPED
49	CS 52 01 05			GNYE	+B5X1	=52X5	15	CS-30	=72-A30	E	2600	
50	CS 52 01 01			BLUE	+B5X1	=52X5	12	+B6X1	=52X6	12	2250	CS-31 TO 33
51	CS 52 01 02			YELLOW	+B5X1	=52X5	13	+B6X1	=52X6	13	2250	CS-34 TO 36
52	CS 52 01 04			BLACK	+B5X1	=52X5	14	+B6X1	=52X6	14	2250	
53	CS 52 01 05			GNYE	+B5X1	=52X5	15	+B6X1	=52X6	15	2250	
54	CS 52 01 01			BLUE	+B6X1	=52X6	12	CS-33	=72-A33	P	2600	CS-33
55	CS 52 01 04			BLACK	+B6X1	=52X6	14	CS-33	=72-A33	N	2600	31 & 32 TO BE CUT & LOOPED
56	CS 52 01 05			GNYE	+B6X1	=52X6	15	CS-33	=72-A33	E	2600	
57	CS 52 01 02			YELLOW	+B6X1	=52X6	13	CS-36	=72-A36	P	2600	CS-36
58	CS 52 01 04			BLACK	+B6X1	=52X6	14	CS-36	=72-A36	N	2600	34 & 35 TO BE CUT & LOOPED
59	CS 52 01 05			GNYE	+B6X1	=52X6	15	CS-36	=72-A36	E	2600	
60	CS 52 01 01			BLUE	+B6X1	=52X6	12	+B7X1	=52X7	12	2250	CS-37 TO 39
61	CS 52 01 02			YELLOW	+B6X1	=52X6	13	+B7X1	=52X7	13	2250	CS-40 TO 42
62	CS 52 01 04			BLACK	+B6X1	=52X6	14	+B7X1	=52X7	14	2250	
63	CS 52 01 05			GNYE	+B6X1	=52X6	15	+B7X1	=52X7	15	2250	
64	CS 52 01 01			BLUE	+B7X1	=52X7	12	CS-39	=72-A39	P	2600	CS-39
65	CS 52 01 04			BLACK	+B7X1	=52X7	14	CS-39	=72-A39	N	2600	37 & 38 TO BE CUT & LOOPED
66	CS 52 01 05			GNYE	+B7X1	=52X7	15	CS-39	=72-A39	E	2600	
67	CS 52 01 02			YELLOW	+B7X1	=52X7	13	CS-42	=72-A42	P	2600	CS-42
68	CS 52 01 04			BLACK	+B7X1	=52X7	14	CS-42	=72-A42	N	2600	40 & 41 TO BE CUT & LOOPED
69	CS 52 01 05			GNYE	+B7X1	=52X7	15	CS-42	=72-A42	E	2600	
70	CS 52 01 01			BLUE	+B7X1	=52X7	12	+B8X1	=52X8	12	2250	CS-43 TO 45
71	CS 52 01 02			YELLOW	+B7X1	=52X7	13	+B8X1	=52X8	13	2250	CS-46 TO 48
72	CS 52 01 04			BLACK	+B7X1	=52X7	14	+B8X1	=52X8	14	2250	
73	CS 52 01 05			GNYE	+B7X1	=52X7	15	+B8X1	=52X8	15	2250	
74	CS 52 01 01			BLUE	+B8X1	=52X8	12	CS-45	=72-A45	P	2600	CS-45
75	CS 52 01 04			BLACK	+B8X1	=52X8	14	CS-45	=72-A45	N	2600	43 & 44 TO BE CUT & LOOPED
76	CS 52 01 05			GNYE	+B8X1	=52X8	15	CS-45	=72-A45	E	2600	
77	CS 52 01 02			YELLOW	+B8X1	=52X8	13	CS-48	=72-A48	P	2600	CS-48
78	CS 52 01 04			BLACK	+B8X1	=52X8	14	CS-48	=72-A48	N	2600	46 & 47 TO BE CUT & LOOPED
79	CS 52 01 05			GNYE	+B8X1	=52X8	15	CS-48	=72-A48	E	2600	
80	CS 52 01 01			BLUE	+B8X1	=52X8	12	+B9X1	=52X9	12	2250	CS-49 TO 51
81	CS 52 01 02			YELLOW	+B8X1	=52X8	13	+B9X1	=52X9	13	2250	CS-52 TO 54
82	CS 52 01 04			BLACK	+B8X1	=52X8	14	+B9X1	=52X9	14	2250	
83	CS 52 01 05			GNYE	+B8X1	=52X8	15	+B9X1	=52X9	15	2250	
84	CS 52 01 01			BLUE	+B9X1	=52X9	12	CS-51	=72-A51	P	2600	CS-51
85	CS 52 01 04			BLACK	+B9X1	=52X9	14	CS-51	=72-A51	N	2600	49 & 50 TO BE CUT & LOOPED
86	CS 52 01 05			GNYE	+B9X1	=52X9	15	CS-51	=72-A51	E	2600	
87	CS 52 01 02			YELLOW	+B9X1	=52X9	13	CS-54	=72-A54	P	2600	CS-54
88	CS 52 01 04			BLACK	+B9X1	=52X9	14	CS-54	=72-A54	N	2600	52 & 53 TO BE CUT & LOOPED
89	CS 52 01 05			GNYE	+B9X1	=52X9	15	CS-54	=72-A54	E	2600	

MOBILE CHARGING/LAP-TOP SOCKET CIRCUIT (CORRIDOR)

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
90	CS 52 01 03			R	+S1X1	----	331	+B10X1	=52X10	1	9000	
91	CS 52 01 04			BLACK	+S1X1	----	334	+B10X1	=52X10	2	9000	CS-55 & 56
92	CS 52 01 05			GNYE	+S1X1	----	111	+B10X1	=52X10	3	9000	
93	CS 52 01 03			R	+B10X1	=52X10	1	CS-56	=72-A56	P	3600	CS-56
94	CS 52 01 04			BLACK	+B10X1	=52X10	2	CS-56	=72-A56	N	3600	TO BE CUT & LOOPED AT 55
95	CS 52 01 05			GNYE	+B10X1	=52X10	3	CS-56	=72-A56	E	3600	
96	CS 52 01 03			R	+B10X1	=52X10	1	+B11X1	=52X11	1	2300	
97	CS 52 01 04			BLACK	+B10X1	=52X10	2	+B11X1	=52X11	2	2300	CS-57 & 58
98	CS 52 01 05			GNYE	+B10X1	=52X10	3	+B11X1	=52X11	3	2300	
99	CS 52 01 03			R	+B11X1	=52X11	1	CS-58	=72-A58	P	3600	CS-58
100	CS 52 01 04			BLACK	+B11X1	=52X11	2	CS-58	=72-A58	N	3600	TO BE CUT & LOOPED AT 57
101	CS 52 01 05			GNYE	+B11X1	=52X11	3	CS-58	=72-A58	E	3600	
102	CS 52 01 03			R	+B11X1	=52X11	1	+B12X1	=52X12	1	2300	
103	CS 52 01 04			BLACK	+B11X1	=52X11	2	+B12X1	=52X12	2	2300	CS-59 & 60
104	CS 52 01 05			GNYE	+B11X1	=52X11	3	+B12X1	=52X12	3	2300	
105	CS 52 01 03			R	+B12X1	=52X12	1	CS-60	=72-A60	P	3600	CS-60
106	CS 52 01 04			BLACK	+B12X1	=52X12	2	CS-60	=72-A60	N	3600	TO BE CUT & LOOPED AT 59
107	CS 52 01 05			GNYE	+B12X1	=52X12	3	CS-60	=72-A60	E	3600	
108	CS 52 01 03			R	+B12X1	=52X12	1	+B13X1	=52X13	1	2300	
109	CS 52 01 04			BLACK	+B12X1	=52X12	2	+B13X1	=52X13	2	2300	CS-61 & 62
110	CS 52 01 05			GNYE	+B12X1	=52X12	3	+B13X1	=52X13	3	2300	
111	CS 52 01 03			R	+B13X1	=52X13	1	CS-62	=72-A62	P	3600	CS-62
112	CS 52 01 04			BLACK	+B13X1	=52X13	2	CS-62	=72-A62	N	3600	TO BE CUT & LOOPED AT 61
113	CS 52 01 05			GNYE	+B13X1	=52X13	3	CS-62	=72-A62	E	3600	
114	CS 52 01 03			R	+B13X1	=52X13	1	+B14X1	=52X14	1	2300	
115	CS 52 01 04			BLACK	+B13X1	=52X13	2	+B14X1	=52X14	2	2300	CS-63 & 64
116	CS 52 01 05	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	GNYE	+B13X1	=52X13	3	+B14X1	=52X14	3	2300	
117	CS 52 01 03			R	+B14X1	=52X14	1	CS-64	=72-A64	P	3600	CS-64
118	CS 52 01 04			BLACK	+B14X1	=52X14	2	CS-64	=72-A64	N	3600	TO BE CUT & LOOPED AT 63
119	CS 52 01 05			GNYE	+B14X1	=52X14	3	CS-64	=72-A64	E	3600	
120	CS 52 01 03			R	+B14X1	=52X14	1	+B15X1	=52X15	1	2300	
121	CS 52 01 04			BLACK	+B14X1	=52X14	2	+B15X1	=52X15	2	2300	CS-65 & 66
122	CS 52 01 05			GNYE	+B14X1	=52X14	3	+B15X1	=52X15	3	2300	
123	CS 52 01 03			R	+B15X1	=52X15	1	CS-66	=72-A66	P	3600	CS-66
124	CS 52 01 04			BLACK	+B15X1	=52X15	2	CS-66	=72-A66	N	3600	TO BE CUT & LOOPED AT 65
125	CS 52 01 05			GNYE	+B15X1	=52X15	3	CS-66	=72-A66	E	3600	
126	CS 52 01 03			R	+B15X1	=52X15	1	+B16X1	=52X16	1	2300	
127	CS 52 01 04			BLACK	+B15X1	=52X15	2	+B16X1	=52X16	2	2300	CS-67 & 68
128	CS 52 01 05			GNYE	+B15X1	=52X15	3	+B16X1	=52X16	3	2300	
129	CS 52 01 03			R	+B16X1	=52X16	1	CS-68	=72-A68	P	3600	CS-68
130	CS 52 01 04			BLACK	+B16X1	=52X16	2	CS-68	=72-A68	N	3600	TO BE CUT & LOOPED AT 67
131	CS 52 01 05			GNYE	+B16X1	=52X16	3	CS-68	=72-A68	E	3600	
132	CS 52 01 03			R	+B16X1	=52X16	1	+B17X1	=52X17	1	2300	
133	CS 52 01 04			BLACK	+B16X1	=52X16	2	+B17X1	=52X17	2	2300	CS-69 & 70
134	CS 52 01 05			GNYE	+B16X1	=52X16	3	+B17X1	=52X17	3	2300	
135	CS 52 01 03			R	+B17X1	=52X17	1	CS-70	=72-A70	P	3600	CS-70
136	CS 52 01 04			BLACK	+B17X1	=52X17	2	CS-70	=72-A70	N	3600	TO BE CUT & LOOPED AT 69
137	CS 52 01 05			GNYE	+B17X1	=52X17	3	CS-70	=72-A70	E	3600	
138	CS 52 01 03			R	+B17X1	=52X17	1	+B18X1	=52X18	1	2300	
139	CS 52 01 04			BLACK	+B17X1	=52X17	2	+B18X1	=52X18	2	2300	CS-71 & 72
140	CS 52 01 05			GNYE	+B17X1	=52X17	3	+B18X1	=52X18	3	2300	
141	CS 52 01 03			R	+B18X1	=52X18	1	CS-72	=72-A72	P	3600	CS-72
142	CS 52 01 04			BLACK	+B18X1	=52X18	2	CS-72	=72-A72	N	3600	TO BE CUT & LOOPED AT 71
143	CS 52 01 05			GNYE	+B18X1	=52X18	3	CS-72	=72-A72	E	3600	

EMERGENCY LIGHTING CIRCUIT

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	33 07 16.01			Y	+S1X1	------	283	+B41E1	=52-E41	01	8000	
2	33 07 17.01			BLK	+S1X1	------	284	+B41E1	=52-E41	02	8000	AEL-1
3	33 07 18.01			GNYE	+S1X1	------	285	+B41E1	=52-E41	03	8000	
4	33 07 16.02			Y	+S1X1	------	283	+B42E1	=52-E42	01	11000	
5	33 07 17.02			BLK	+S1X1	------	284	+B42E1	=52-E42	02	11000	AEL-2
6	33 07 18.02			GNYE	+S1X1	------	285	+B42E1	=52-E42	03	11000	
7	33 07 16.03			Y	+S1X1	------	283	+B43E1	=52-E43	01	17000	
8	33 07 17.03	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	BLK	+S1X1	------	284	+B43E1	=52-E43	02	17000	AEL-3
9	33 07 18.03			GNYE	+S1X1	------	285	+B43E1	=52-E43	03	17000	
10	33 07 16.04			Y	+S1X1	------	283	+B44E1	=52-E44	01	26000	
11	33 07 17.04			BLK	+S1X1	------	284	+B44E1	=52-E44	02	26000	AEL-4
12	33 07 18.04			GNYE	+S1X1	------	285	+B44E1	=52-E44	03	26000	

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES: LE70204 ALT e			
WEIGHT	FILE	D:\BKRM\LE\le70204s5f.prt				
NIL KG		HARNESS CHART FOR ROOF	SCALE	SSE/ED		
S.AREA				CHD		
NIL M^2		(FOR AC 3-TIER EOG LHB TYPE COACHES)		DRN		
~~LENGTH/DIA~~ NIL M		RAIL COACH FACTORY, KAPURTHALA	REF.DRG.No. NIL			
~~WIDTH/THICK.~~ NIL M		रेलकोच फैक्टरी कपूरथला IRS	PL NO. NIL			
HEIGHT NIL M		SEE/D&D DY.CEE/D&D	DRG.NO. LE70204			
			ALT. f	SIZE A1	SHEET 3/5	

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 20/12/2025

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

AC PACKAGE UNIT-1

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	61 01 12.01	6(2x1.5) SQ. MM	EDTS-132 LATEST(DS-4)	Br	+S1X1	----	132	+U1X4	=61-X4	01	25500	FRESH AIR TEMP. SENSOR-1
2	61 01 13.01			W	+S1X1	----	133	+U1X4	=61-X4	02		
3	61 01 14.01			Br	+S1X1	----	134	+U1X4	=61-X4	03	25500	FRESH AIR TEMP. SENSOR-2
4	61 01 17.01			W	+S1X1	----	135	+U1X4	=61-X4	04		
5	61 03'01.01			Br	+S1X1	----	213	+U1X4	=61-X4	05	25500	L.P. INDICATION
6	61 03 02.01			W	+S1X1	----	214	+U1X4	=61-X4	07		
7	61 03 05.01			Br	+S1X1	----	217	+U1X4	=61-X4	09	25500	H.P. INDICATION
8	61 03 06.01			W	+S1X1	----	218	+U1X4	=61-X4	11		
9	61 02 01.05	25x1.5 SQ. MM	EDTS132 LATEST(DS-7)	Black outer shield white numberd cores	+S1X1	----	212	+U1X3	=61-X3	01	25500	+VE 24V FOR HP/LP SENSOR
10	61 06 03.02				+S1X1	----	178	+U1X3	=61-X3	17		L.P. MEASUREMENT
11	61 01 02.19				+S1X1	----	179	+U1X3	=61-X3	06		
12	61 02 02.02				+S1X1	----	150	+U1X3	=61-X3	04		SPARE
13	61 02 03.01				+S1X1	----	151	+U1X3	=61-X3	03		
14	61 02 04.02				+S1X1	----	152	+U1X3	=61-X3	02		-VE 24V
15	61 04 03.03				+S1X1	----	163	+U1X3	=61-X3	15		EVAPORATOR MOTOR THERMAL SWITCH
16	61 04 04.01				+S1X1	----	164	+U1X3	=61-X3	16		
17	61 04 07.01				+S1X1	----	156	+U1X3	=61-X3	07		
18	61 04 09.01				+S1X1	----	157	+U1X3	=61-X3	08		TEMP. & PR. SWITCH
19	61 04 10.01				+S1X1	----	158	+U1X3	=61-X3	09		
20	61 04 12.01				+S1X1	----	159	+U1X3	=61-X3	10		
21	61 04 14.01				+S1X1	----	160	+U1X3	=61-X3	11		
22	61 04 15.01				+S1X1	----	161	+U1X3	=61-X3	14		
23	61 01 01.12				+S1X1	----	162	+U1X3	=61-X3	05		+VE 24V FOR THERMAL SWITCH
24	61 06 04.01				+S1X1	----	181	+U1X3	=61-X3	18		H.P. CUT-OUT
25	61 06 05.02				+S1X1	----	180	+U1X3	=61-X3	20		
26	61 06 06.02				+S1X1	----	182	+U1X3	=61-X3	12		
27	61 06 07.01				+S1X1	----	184	+U1X3	=61-X3	19		L.P. CUT-OUT
28	61 06 08.02				+S1X1	----	183	+U1X3	=61-X3	21		
29	61 06 09.02				+S1X1	----	185	+U1X3	=61-X3	13		
30	33 03 02.02	18x1.5 SQ. MM		Black outer shield white numbered cores	+S1X1	----	231	+U1X1	=61-X1	01	27000	EVAPORATOR MOTOR
31	33 03 04.02				+S1X1	----	232	+U1X1	=61-X1	02		
32	33 03 06.02				+S1X1	----	233	+U1X1	=61-X1	03		
33	33 03 07				+S1X1	----	234	+U1X1	=61-X1	PE		
34	33 04 08.02				+S1X1	----	250	+U1X1	=61-X1	10		SPARE
35	33 04 16.02				+S1X1	----	252	+U1X1	=61-X1	11		
36	33 04 09.01				+S1X1	----	251	+U1X1	=61-X1	12		
37	33 04 18.02				+S1X1	----	253	+U1X1	=61-X1	04		CONDENSOR FAN MOTOR-1
38	33 04 20.02				+S1X1	----	254	+U1X1	=61-X1	05		
39	33 04 22.02				+S1X1	----	255	+U1X1	=61-X1	06		
40	33 04 24.02				+S1X1	----	256	+U1X1	=61-X1	07		CONDENSOR FAN MOTOR-2
41	33 04 26.02				+S1X1	----	257	+U1X1	=61-X1	08		
42	33 04 28.02				+S1X1	----	258	+U1X1	=61-X1	09		
43	RES-1				+S1X1	----		+U1X1	=61-X1			SPARE
44	RES-2				+S1X1	----		+U1X1	=61-X1			
45	RES-3				+S1X1	----		+U1X1	=61-X1			
46	RES-4				+S1X1	----		+U1X1	=61-X1			
47	33 04 02.02	4SQ. MM	ELRS/SPEC/ELC/ 0019, LATEST REVISION	R	+S1X1	----	239	+U1X2	=61-X2	14	27000	COMPRESSOR MOTOR-1
48	33 04 04.02			Y	+S1X1	----	240	+U1X2	=61-X2	13	27000	
49	33 04 06.02			B	+S1X1	----	241	+U1X2	=61-X2	16	27000	
50	33 04 07			GNYE	+S1X1	----	242	+U1X2	=61-X2	PE	27000	
51	33 04 11.02			R	+S1X1	----	243	+U1X2	=61-X2	05	27000	COMPRESSOR MOTOR-2
52	33 04 13.02			Y	+S1X1	----	244	+U1X2	=61-X2	18	27000	
53	33 04 15.02			B	+S1X1	----	245	+U1X2	=61-X2	07	27000	
54	33 04 29.02			R	+S1X1	----	247	+U1X2	=61-X2	20	27000	HEATER BANK
55	33 04 32.02			Y	+S1X1	----	248	+U1X2	=61-X2	09	27000	
56	33 04 34.02			B	+S1X1	----	249	+U1X2	=61-X2	22	27000	
57	61 01 03.02	1.5SQ. MM		CH	+S1X1	----	141	+S12S1	=61-S1	13	11500	HYGROSTAT
58	61 01 04.01			W	+S1X1	----	142	+S12S1	=61-S1	14	11500	
59	61 01 05.01	2x1.5 SQ. MM	EDTS132 LATEST(DS-4)	Br	+S1X1	----	128	+S12B1	=61-B1	01	26000	TEMP. SENSOR INSIDE COMPTT.
60	61 01 06.01			W	+S1X1	----	129	+S12B1	=61-B1	02	26000	

EXHAUST FAN-1

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	33 06 09.05	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, LATEST REVISION	R	+S1X1	----	279	+S11M1	=U3-X1	05	9000	EF-1
2	33 06 10.05			Y	+S1X1	----	280	+S11M1	=U3-X1	07	9000	
3	33 06 11.05			B	+S1K1		281	+S11M1	=U3-X1	09	9000	
4	33 06 12.04			GNYE	+S1K1	----	282	+S11M1	=U3-X1	PE	9000	

EXHAUST FAN-2

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
1	33 06 09.04	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, LATEST REVISION	R	+S1X1	----	279	+S15M1	=U3-X1	03	28000	EF-2
2	33 06 10.04			Y	+S1X1	----	280	+S15M1	=U3-X1	07	28000	
3	33 06 11.04			B	+S1K1		281	+S15M1	=U3-X1	09	28000	
4	33 06 12.03			GNYE	+S1K1	----	282	+S15M1	=U3-X1	PE	28000	

AC PACKAGE UNIT-2

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
61	61 01 18.01	6(2x1.5) SQ. MM	EDTS-132 LATEST(DS-4)	Br	+S1X1	----	136	+U2X4	=61-X8	01	11000	FRESH AIR TEMP. SENSOR-1
62	61 01 19.01			W	+S1X1	----	137	+U2X4	=61-X8	02		
63	61 01 21.01			Br	+S1X1	----	138	+U2X4	=61-X8	03	11000	FRESH AIR TEMP. SENSOR-2
64	61 01 23.01			W	+S1X1	----	139	+U2X4	=61-X8	04		
65	61 03 03.01			Br	+S1X1	----	215	+U2X4	=61-X8	05	11000	L.P. INDICATION
66	61 03 04.01			W	+S1X1	----	216	+U2X4	=61-X8	07		
67	61 03 07.01			Br	+S1X1	----	219	+U2X4	=61-X8	09	11000	H.P. INDICATION
68	61 03 08.01			W	+S1X1	----	220	+U2X4	=61-X8	11		
69	61 05 01.01	25x1.5 SQ. MM	EDTS132 LATEST(DS-7)	Black outer shield white numbered cores	+S1X1	----	170	+U2X3	=61-X7	07	11000	+VE 24V FOR THERMAL SWITCH TEMP. & PRESS.SW
70	61 01 02.28				+S1X1	----	190	+U2X3	=61-X7	06		
71	62 02 01.04				+S1X1	----	212	+U2X3	=61-X7	01		+VE 24V FOR HP/LP SENSOR
72	61 02 02.03				+S1X1	----	150	+U2X3	=61-X7	04		SPARE
73	61 02 03.03				+S1X1	----	151	+U2X3	=61-X7	03		
74	61 02 04.03				+S1X1	----	152	+U2X3	=61-X7	02		-VE 24 V
75	61 04 11.03				+S1X1	----	166	+U2X3	=61-X7	15		EVAPORATOR MOTOR THERMAL SWITCH
76	61 04 13.03				+S1X1	----	167	+U2X3	=61-X7	16		
77	61 01 01.14				+S1X1	----	169	+U2X3	=61-X7	05		
78	61 05 02.01				+S1X1	----	171	+U2X3	=61-X7	08		TEMPERATURE AND PRESSURE SWITCH
79	61 05 03.01				+S1X1	----	172	+U2X3	=61-X7	09		
80	61 05 04.01				+S1X1	----	173	+U2X3	=61-X7	10		
81	61 05 05.01				+S1X1	----	174	+U2X3	=61-X7	11		
82	61 05 06.01				+S1X1	----	175	+U2X3	=61-X7	14		
83	RES-13				+S1X1	----		+U2X3	=61-X7			SPARE
84	RES-14				+S1X1	----		+U2X3	=61-X7			
85	RES-15				+S1X1	----		+U2X3	=61-X7			
86	RES-16				+S1X1	----		+U2X3	=61-X7			
87	61 07 03.02	18x1.5 SQ. MM		Black outer shield white numbered cores	+S1X1	----	189	+U2X3	=61-X7	17	8000	BYE PASS
88	61 07 04.01				+S1X1	----	192	+U2X3	=61-X7	18		H.P. CUT-OUT
89	61 07 05.02				+S1X1	----	191	+U2X3	=61-X7	20		
90	61 07 06.02				+S1X1	----	193	+U2X3	=61-X7	12		
91	61 07 07.01				+S1X1	----	196	+U2X3	=61-X7	19		L.P. CUT-OUT
92	61 07 08.02				+S1X1	----	194	+U2X3	=61-X7	21		
93	61 07 09.02				+S1X1	----	195	+U2X3	=61-X7	13		
94	33 03 13.02	18x1.5 SQ. MM		Black outer shield white numbered cores	+S1X1	----	237	+U2X1	=61-X5	03	8000	EVAPORATOR MOTOR
95	33 03 09.02				+S1X1	----	235	+U2X1	=61-X5	01		
96	33 03 11.02				+S1X1	----	236	+U2X1	=61-X5	02		
97	33 03 14				+S1X1	----	238	+U2X1	=61-X5	PE		CONDENSOR FAN MOTOR-1
98	33 05 35.02				+S1X1	----	273	+U2X1	=61-X5	04		
99	33 05 17.02				+S1X1	----	274	+U2X1	=61-X5	05		
100	33 05 19.02				+S1X1	----	275	+U2X1	=61-X5	06		CONDENSOR FAN MOTOR-2
101	33 05 21.02				+S1X1	----	276	+U2X1	=61-X5	07		
102	33 05 23.02				+S1X1	----	277	+U2X1	=61-X5	08		
103	33 05 25.02				+S1X1	----	278	+U2X1	=61-X5	09		SPARE
104	33 05 27.02				+S1X1	----	270	+U2X1	=61-X5	10		
105	33 05 34.02				+S1X1	----	272	+U2X1	=61-X5	11		
106	33 05 09.01				+S1X1	----	271	+U2X1	=61-X5	12		
107	RES-5				+S1X1	----		+U2X1	=61-X5	03		SPARE
108	RES-6				+S1X1	----		+U2X1	=61-X5	03		
109	RES-7				+S1X1	----		+U2X1	=61-X5	03		
110	RES-8				+S1X1	----		+U2X1	=61-X5	03		
111	33 05 02.02	4 SQ. MM	ELRS/SPEC/ELC/ 0019, LATEST REVISION	R	+S1X1	----	239	+U2X2	=61-X7	14	8000	COMPRESSOR MOTOR-1
112	33 05 04.02			Y	+S1X1	----	240	+U2X2	=61-X7	03	8000	
113	33 05 06.02			B	+S1X1	----	241	+U2X2	=61-X7	16	8000	
114	33 05 07			GNYE	+S1X1	----	242	+U2X2	=61-X7	PE	8000	
115	33 05 11.02			R	+S1X1	----	243	+U2X2	=61-X7	05	8000	COMPRESSOR MOTOR-2
116	33 05 13.02			Y	+S1X1	----	244	+U2X2	=61-X7	18	8000	
117	33 05 15.02			B	+S1X1	----	245	+U2X2	=61-X7	07	8000	
118	33 05 28.02			R	+S1X1	----	247	+U2X2	=61-X7	20	8000	HEATER BANK
119	33 05 31.02			Y	+S1X1	----	248	+U2X2	=61-X7	09	8000	
120	33 05 33.02			B	+S1X1	----	249	+U2X2	=61-X7	22	8000	
121	61 01 08.01	2x1.5 SQ. MM	EDTS132 LATEST(DS-4)	Br	+S1X1	----	130	+S13B1	=61-B2	01	8000	TEMP. SENSOR INSIDE COMPTT.
122	61 01 09.01			W	+S1X1	----	131	+S13B1	=61-B2	02	8000	

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 20/12/2025

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LE70204 ALT e		
WEIGHT	FILE	D:\BKRM\LE\le70204s5r.prt				
NIL KG	HARNESS CHART FOR ROOF			SCALE	SSE/ED	
S.AREA					CHD	
NIL M^2	(FOR AC 3-TIER EOG LHB TYPE COACHES)				DRN	
~~LENGTH/DIA~~						
NIL M	RAIL COACH FACTORY, KAPURTHALA			REF.DRG.No.	NIL	
~~WIDTH/THICK.~~	रेल कोच फैक्टरी कपूरथला	IRS		PL NO.	NIL	
NIL M				DRG.NO.	LE70204	
HEIGHT	SEE/M&D		DY.CEE/D&D	ALT.	1	SIZE A1 SHEET 1/5
NIL M						

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
~~0~~	22/12/2025	ALL	1. DRAWING MODIFIED.	C.R.No. 2300250018

LAVATORY TERMINAL WIRING

S.NO.	WIRE NO.	X-SECTION	TYPE OF CABLE/ SPEC.NO.	COLOUR	SOURCE	ITEM	CONNECTION	TARGET	ITEM	CONNECTION	LENGTH	REMARKS (FOR REFERENCE)
~~1~~	~~72 01 04.01~~			~~R~~	~~+S1X1~~	~~----~~	~~210~~	~~+S19X1~~	~~=72-X1~~	~~12~~	~~7000~~	
~~2~~	~~72 01 05.01~~			~~BLK~~	~~+S1X1~~	~~----~~	~~211~~	~~+S19X1~~	~~=72-X1~~	~~13~~	~~7000~~	
~~3~~	~~72 01 06.03~~			~~CH~~	~~+S1X1~~	~~----~~	~~207~~	~~+S19X1~~	~~=72-X1~~	~~14~~	~~7000~~	WSP
~~4~~	~~72 01 07.03~~			~~W~~	~~+S1X1~~	~~----~~	~~208~~	~~+S19X1~~	~~=72-X1~~	~~15~~	~~7000~~	
~~5~~	~~32 03 01.20~~			~~CH~~	~~+S1X1~~	~~----~~		~~+S19X1~~	~~=72-X1~~	~~26~~	~~7000~~	
~~6~~	~~32 03 02.20~~			~~W~~	~~+S1X1~~	~~----~~		~~+S19X1~~	~~=72-X1~~	~~27~~	~~7000~~	110V DC MOTOR
~~7~~	~~RES-1~~			~~CH~~	~~+S1X1~~	~~----~~		~~+S19X1~~	~~=72-X1~~	~~29~~	~~7000~~	
~~8~~	~~RES-2~~			~~CH~~	~~+S1X1~~	~~----~~		~~+S19X1~~	~~=72-X1~~	~~30~~	~~7000~~	EMPTY
~~9~~	~~32 04 05.23~~			~~CH~~	~~+S1X1~~	~~----~~	~~95~~	~~+S19X1~~	~~=72-X1~~	~~01~~	~~7000~~	
~~10~~	~~43 01 02.05~~			~~W~~	~~+S1X1~~	~~----~~	~~99~~	~~+S19X1~~	~~=72-X1~~	~~03~~	~~7000~~	ALARM CHAIN PULL
~~11~~	~~72 01 04.03~~			~~R~~	~~+S19X1~~	~~=72-X1~~	~~12~~	~~+S16X1~~	~~=72-X2~~	~~12~~	~~10000~~	
~~12~~	~~72 01 05.03~~			~~BLK~~	~~+S19X1~~	~~=72-X1~~	~~13~~	~~+S16X1~~	~~=72-X2~~	~~13~~	~~10000~~	
~~13~~	~~72 01 06.05~~			~~CH~~	~~+S19X1~~	~~=72-X1~~	~~14~~	~~+S16X1~~	~~=72-X2~~	~~14~~	~~10000~~	WSP
~~14~~	~~72 01 07.05~~			~~W~~	~~+S19X1~~	~~=72-X1~~	~~15~~	~~+S16X1~~	~~=72-X2~~	~~15~~	~~10000~~	
~~15~~	~~32 03 01.22~~			~~CH~~	~~+S19X1~~	~~=72-X1~~	~~26~~	~~+S16X1~~	~~=72-X2~~	~~26~~	~~10000~~	
~~16~~	~~32 03 02.22~~			~~W~~	~~+S19X1~~	~~=72-X1~~	~~27~~	~~+S16X1~~	~~=72-X2~~	~~27~~	~~10000~~	110V DC MOTOR
~~17~~	~~RES-3~~			~~CH~~	~~+S19X1~~	~~=72-X1~~		~~+S16X1~~	~~=72-X2~~	~~29~~	~~10000~~	
~~18~~	~~RES-4~~			~~CH~~	~~+S19X1~~	~~=72-X1~~		~~+S16X1~~	~~=72-X2~~	~~30~~	~~10000~~	EMPTY
~~19~~	~~32 04 05.27~~	1.5SQ. MM	ELRS/SPEC/ELC/ 0019, (LATEST)	~~CH~~	~~+S19X1~~	~~-72-X1~~	~~01~~	~~+S16X1~~	~~-72-X2~~	~~01~~	~~10000~~	
~~20~~	~~43 01 02.10~~			~~W~~	~~+S19X1~~	~~-72-X1~~	~~03~~	~~+S16X1~~	~~-72-X2~~	~~03~~	~~10000~~	ALARM CHAIN PULL
~~21~~	~~72 01 04.02~~			~~R~~	~~+S16X1~~	~~-72-X2~~	~~12~~	~~+S17X1~~	~~-72-X3~~	~~12~~	~~28000~~	
~~22~~	~~72 01 05.02~~			~~BLK~~	~~+S16X1~~	~~-72-X2~~	~~13~~	~~+S17X1~~	~~-72-X3~~	~~13~~	~~28000~~	
~~23~~	~~72 01 06.04~~			~~CH~~	~~+S16X1~~	~~-72-X2~~	~~14~~	~~+S17X1~~	~~-72-X3~~	~~14~~	~~28000~~	WSP
~~24~~	~~72 01 07.04~~			~~W~~	~~+S16X1~~	~~-72-X2~~	~~15~~	~~+S17X1~~	~~-72-X3~~	~~15~~	~~28000~~	
~~25~~	~~32 03 01.21~~			~~CH~~	~~+S16X1~~	~~-72-X2~~	~~26~~	~~+S17X1~~	~~-72-X3~~	~~26~~	~~28000~~	
~~26~~	~~32 03 02.21~~			~~W~~	~~+S16X1~~	~~-72-X2~~	~~27~~	~~+S17X1~~	~~-72-X3~~	~~27~~	~~28000~~	110V DC MOTOR
~~27~~	~~RES-5~~			~~CH~~	~~+S16X1~~	~~-72-X2~~		~~+S17X1~~	~~-72-X3~~	~~29~~	~~28000~~	
~~28~~	~~RES-6~~			~~CH~~	~~+S16X1~~	~~-72-X2~~		~~+S17X1~~	~~-72-X3~~	~~30~~	~~28000~~	EMPTY
~~29~~	~~32 04 05.29~~			~~CH~~	~~+S16X1~~	~~-72-X2~~	~~01~~	~~+S17X1~~	~~-72-X3~~	~~01~~	~~28000~~	
~~30~~	~~43 01 02.02~~			~~W~~	~~+S16X1~~	~~-72-X2~~	~~03~~	~~+S17X1~~	~~-72-X3~~	~~03~~	~~28000~~	ALARM CHAIN PULL
~~31~~	~~72 01 04.03~~			~~R~~	~~+S17X1~~	~~-72-X3~~	~~12~~	~~+S18X1~~	~~-72-X4~~	~~12~~	~~10000~~	
~~32~~	~~72 01 05.03~~			~~BLK~~	~~+S17X1~~	~~-72-X3~~	~~13~~	~~+S18X1~~	~~-72-X4~~	~~13~~	~~10000~~	
~~33~~	~~72 01 06.05~~			~~CH~~	~~+S17X1~~	~~-72-X3~~	~~14~~	~~+S18X1~~	~~-72-X4~~	~~14~~	~~10000~~	WSP
~~34~~	~~72 01 07.05~~			~~W~~	~~+S17X1~~	~~-72-X3~~	~~15~~	~~+S18X1~~	~~-72-X4~~	~~15~~	~~10000~~	
~~35~~	~~32 03 01.22~~			~~CH~~	~~+S17X1~~	~~-72-X3~~	~~26~~	~~+S18X1~~	~~-72-X4~~	~~26~~	~~10000~~	
~~36~~	~~32 03 02.22~~			~~W~~	~~+S17X1~~	~~-72-X3~~	~~27~~	~~+S18X1~~	~~-72-X4~~	~~27~~	~~10000~~	110V DC MOTOR
~~37~~	~~RES-7~~			~~CH~~	~~+S17X1~~	~~-72-X3~~		~~+S18X1~~	~~-72-X4~~	~~29~~	~~10000~~	
~~38~~	~~RES-8~~			~~CH~~	~~+S17X1~~	~~-72-X3~~		~~+S18X1~~	~~-72-X4~~	~~30~~	~~10000~~	EMPTY
~~39~~	~~32 04 05.27~~			~~CH~~	~~+S17X1~~	~~-72-X3~~	~~01~~	~~+S18X1~~	~~-72-X4~~	~~01~~	~~10000~~	
~~40~~	~~43 01 02.10~~			~~W~~	~~+S17X1~~	~~-72-X3~~	~~03~~	~~+S18X1~~	~~-72-X4~~	~~03~~	~~10000~~	ALARM CHAIN PULL

1. CABLE LENGTHS GIVEN AGAINST EACH HARNESS ARE APPROXIMATE. CORRECTION IN LENGTHS SHALL BE ADVISED BY SHOP AFTER WIRING IN THE COACH.

NOTE: -

15	2X1.5 SQ.MM. MULTI CORE CABLE 600/1000V(IN MTRS)DATA SHEET-4	250	NIL	EDTS-132,REV-C, AM-3,CORR-1	REFERD IN EDTS-253, REV-J, CORR-10
14	18X1.5 SQ.MM. MULTI CORE CABLE 600/1000V(IN MTRS)DATA SHEET-7	35	NIL	EDTS-132,REV-C, AM-3,CORR-1	REFERD IN EDTS-253, REV-J, CORR-10
13	25X1.5 SQ.MM. MULTI CORE CABLE 600/1000V(IN MTRS)DATA SHEET-7	37	NIL	EDTS-132,REV-C, AM-3,CORR-1	REFERD IN EDTS-253, REV-J, CORR-10
12	(4X4X1)C+2X0.75(18 CORES) MULTI CORE CABLE 600/1000V(IN MTRS)DATA SHEET-5	36	NIL	EDTS-132,REV-C, AM-3,CORR-1	REFERD IN EDTS-253, REV-J, CORR-10
11	4 SQ.MM.(GN/Y)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	35	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
10	4 SQ.MM.(BLUE)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	105	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
9	4 SQ.MM.(YELLOW)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	105	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
8	4 SQ.MM.(RED)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	105	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
7	1.5 SQ.MM.(CHOCO.)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	1086	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
6	1.5 SQ.MM.(WHITE)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	839	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
5	1.5 SQ.MM.(GN/Y)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	907	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
4	1.5 SQ.MM.(BLACK)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	631	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
3	1.5 SQ.MM.(BLUE)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	168	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
2	1.5 SQ.MM.(YELLOW)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	183	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10
1	1.5 SQ.MM.(RED)THIN WALLED FLEX. ELAST. CABLE WITH CU. COND., UPTO 750V(IN MTRS.)	417	NIL	ELRS/SPEC/ELC/0 019,REV-4	REFERD IN EDTS-253, REV-J, CORR-10

ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
GROUP	ELECTRICAL	SUPERSEDES:	LE70204 ALT e		
FILE	D:\BKRM\LE\le70204s5~.prt				

WELD LENGTH NIL M
WEIGHT NIL KG
S.AREA NIL M2
~~LENGTH/DIA~~ NIL M
~~WIDTH/THICK.~~ NIL M
HEIGHT NIL M

HARNESS CHART FOR ROOF

(FOR AC 3-TIER EOG LHB TYPE COACHES)

RAIL COACH FACTORY, KAPURTHALA

रेल कोच फैक्टरी कपूरथला IRS

SEE/DAD DY.CEE/D&D

SCALE	SSE/ED	
	CHD	
	DRN	

REF.DRG.NO. NIL

PL NO. NIL

DRG.NO. LE70204

ALT. ~~0~~ SIZE A1 SHEET 5/5

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THIS DRAWING SHOULD NOT BE REPRODUCED, ALTERED, USED FOR MANUFACTURING OF COMPONENTS, SOLD OR TRANSFERRED WITHOUT PERMISSION FROM CHIEF DESIGN ENGINEER, RAIL COACH FACTORY, KAPURTHALA.

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.

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