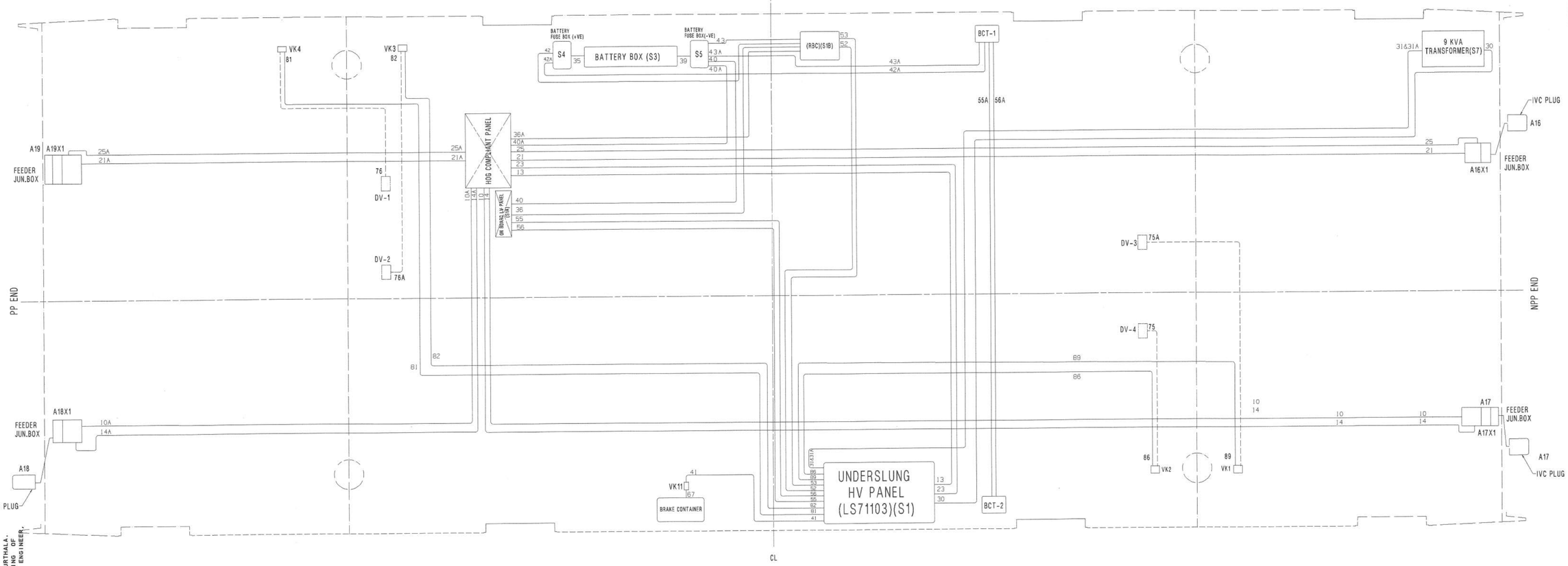
ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY



BLOCK AND WIRING DIAGRAM FOR UNDER FRAME

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WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LR70034s1 ALT-NIL		
WEIGHT	FILE	Z:\LR700034s1a.prt				
NIL KG	BLOCK AND WIRING DIAGRAM & HARNESS CHART FOR UNDERFRAME (FOR HOG COMPLIANT LHB EOG NON-AC LSLRD COACH)			SCALE	SSE/ED	
S.AREA					CHD	
NIL M²					DRN	
~~LENGTH/DIA~~	RAIL COACH FACTORY, KAPURTHALA			REF.DRG.No.	NIL	
NIL M						
~~WIDTH/THICK.~~	रेल कोच फैक्टरी कपूरथला	IRS		PL NO.	NIL	
NIL M				DRG.NO.	LR70034	
HEIGHT	SEE/VD		DY.CEE/D	ALT.	a	SIZE A1 SHEET 1/3
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 16/01/2021

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

HARNESS CHART

FROM		TO		ROUTE NO	CABLE SIZE	VOLTAGE GRADE	CABLE SPEC	NO.OF CABLE	LENGTH (IN MM)	COLOUR OF CABLE	FERRULE NOS.	CONDUIT SIZE	REMARKS
LOCATION	CRIMPING SOCKET	LOCATION	CRIMPING SOCKET										
FEEDER JUNCTION BOX(A16X1)	-----	HOG COMPLIANT SWITCH BOARD CABINET	-----	25	2.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	23500	CH,CH	46 01 .03, 46 01 .04	NW-17	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	95 SQ.MM. /M10 (1-NOS.)		95 SQ.MM. /M10 (1-NOS.)	21	95 SQ.MM	1.8/3.0KV		01	21600	BLK	12 01 24 .02	FEEDER PIPE DIA-70	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM			03	21600	R,Y,B	12 01 15 .02,12 01 18. 02, 12 01 21. 02		
FEEDER JUNCTION BOX(A17X1)	-----	HOG COMPLIANT SWITCH BOARD CABINET	-----	14	2.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	23000	CH,CH	46 01 .01, 46 01 .02	NW-17	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	95 SQ.MM. /M10 (1-NOS.)		95 SQ.MM. /M10 (1-NOS.)	10	95 SQ.MM	1.8/3.0KV		01	20500	BLK	12 01 10 .02	FEEDER PIPE DIA-70	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM			03	20500	R,Y,B	12 01 01 .02, 12 01 04 .02,12 01 07 .02		
FEEDER JUNCTION BOX(A18X1)	-----	HOG COMPLIANT SWITCH BOARD CABINET	-----	14A	2.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	10000	CH,CH	46 01 .01 A 46 01 .02 A	NW-17	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	95 SQ.MM. /M10 (1-NOS.)		95 SQ.MM. /M10 (1-NOS.)	10A	95 SQ.MM	1.8/3.0KV		01	7900	BLK	12 01 10 .02 A	FEEDER PIPE DIA-70	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM			03	7900	R,Y,B	12 01 01.02 A 12 01 04.02 A,12 01 07.02 A		
FEEDER JUNCTION BOX(A19X1)	-----	HOG COMPLIANT SWITCH BOARD CABINET	-----	25A	2.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	9000	CH,CH	46 01 .03 A 46 01 .04 A	NW-17	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	95 SQ.MM. /M10 (1-NOS.)		95 SQ.MM. /M10 (1-NOS.)	21A	95 SQ.MM	1.8/3.0KV		01	7000	BLK	12 01 24 .02 A	FEEDER PIPE DIA-70	FEEDER JUNCTION BOX TO HOG COMPLIANT SWITCH BOARD CABINET
	150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM. /M16 (3-NOS.)		150 SQ.MM			03	7000	R,Y,B	12 01 15.02 A,12 01 18.02 A, 12 01 21.02 A		
HOG COMPLIANT SWITCH BOARD CABINET	25 SQ.MM. /M16 (4-NOS.)	UNDERSLUNG HV PANEL,(S1)	25 SQ.MM. /M10 (4-NOS.)	23	25 SQ.MM	1.8/3.0KV	ELRS/SPEC/ELC/0019,REV-4	04	13500	R,Y,B,BLK	12 01 15.01,12 01 18.01 12 01 21.01,12 01 24.01	NW-48	HOG COMPLIANT SWITCH BOARD CABINET TO UNDERSLUNG HV PANEL,(S1)
	25 SQ.MM. /M16 (4-NOS.)		25 SQ.MM. /M10 (4-NOS.)	13	25 SQ.MM			04	13500	R,Y,B,BLK	12 01 01.01,12 01 04.01 12 01 07.01,12 01 10.01	NW-48	
UNDERSLUNG HV PANEL,(S1)	-----	TRANSFORMER (S7)	16 SQ.MM. /M6 (4-NOS.)	30	16 SQ.MM	1.8/3.0KV	ELRS/SPEC/ELC/0019,REV-4	04	12500	R,Y,B,BLK	12 01 12.02,12 01 13.02 12 01 14.02,12 01 11.02	NW-29	UNDERSLUNG HV PANEL,(S1) TO S7,(750V SIDE) INPUT CABLES
			16 SQ.MM. /M6 (4-NOS.)	31	16 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	04	13500	R,Y,B,BLK	12 02 16.01,12 02 17.01 12 02 18.01,12 02 19.01	NW-36	UNDERSLUNG HV PANEL,(S1) TO S7,(415V SIDE) OUTPUT CABLES
			6 SQ.MM. /M6 (4-NOS.)	31A	6 SQ.MM			04	13500	R,Y,B,BLK	12 02 06.01,12 02 07.01 12 02 08.01,12 02 09.01		
BATTERY,(S3)	10 SQ.MM. /M8 (1-NO.)	BATTERY FUSE BOX(+VE),(S4)	10 SQ.MM. /M8 (1-NO.)	35	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	3000	CH	35	NW-17	BATTERY BOX,(S3) TO BATTERY FUSE BOX(+VE),(S4)
BATTERY,(S3)	10 SQ.MM. /M8 (1-NO.)	BATTERY FUSE BOX(-VE),(S5)	10 SQ.MM. /M8 (1-NO.)	39	10 SQ.MM			01	3000	W	39	NW-17	BATTERY BOX,(S3) TO BATTERY FUSE BOX(-VE),(S5)
RBC(S1B)	-----	ON BOARD LV PANEL,(S1A)	10 SQ.MM. /M8 (1-NO.)	36	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	11500	CH	36	NW-17	RBC (+VE),S1B TO LV PANEL,(S1A)
BATTERY FUSE BOX(-VE),(S5)	10 SQ.MM. /M8 (1-NO.)	ON BOARD LV PANEL,(S1A)	10 SQ.MM. /M8 (1-NO.)	40	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	10000	W	40	NW-17	BATTERY FUSE BOX(-VE),(S5) TO LV PANEL,(S1A)
BATTERY FUSE BOX(+VE),(S4)	10 SQ.MM. /M8 (1-NO.)	RBC(S1B)	-----	42	10 SQ.MM			01	7500	CH	42	NW-17	BATTERY FUSE BOX(+VE),(S4) TO REGULATED BATTERY CHARGER(RBC),(S1B)
BATTERY FUSE BOX(-VE),(S5)	10 SQ.MM. /M8 (1-NO.)	RBC(S1B)	-----	43	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	4500	W	43	NW-17	BATTERY FUSE BOX(-VE),(S5) TO REGULATED BATTERY CHARGER(RBC),(S1B)
UNDERSLUNG HV PANEL,(S1)	-----	RBC(S1B)	-----	52	2.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	4500	CH,W	52	NW-17	UNDERSLUNG HV PANEL,(S1) TO REGULATED BATTERY CHARGER(RBC),(S1B)
UNDERSLUNG HV PANEL,(S1)	-----	RBC(S1B)	-----	53	6 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	05	4500	R,Y,B.BLK,GNYE	53	NW-23	UNDERSLUNG HV PANEL,(S1) TO REGULATED BATTERY CHARGER(RBC),(S1B)
UNDERSLUNG HV PANEL,(S1)	-----	ON BOARD LV PANEL,(S1A)	-----	55	6 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	04	10000	R,Y,B.BLK	55	NW-23	UNDERSLUNG HV PANEL,(S1) TO ON BOARD LV PANEL,(S1A)
UNDERSLUNG HV PANEL,(S1)	-----	ON BOARD LV PANEL,(S1A)	-----	56	3X1.0 SQ MM +SHIELD MULTI-CORE CABLE	600/1000V	EDTS-132,REV.'C', AM-3,(DS-4) OR LATEST	03	10000	W,BR,BLK	56	NW-23	UNDERSLUNG HV PANEL,(S1) TO ON BOARD LV PANEL,(S1A) (NET-1&2)
VK1	-----	UNDERSLUNG HV PANEL,(S1)	-----	89	3X1.0 SQ MM +SHIELD MULTI-CORE CABLE	600/1000V	EDTS-132,REV.'C', AM-3,(DS-4) OR LATEST	01	15000	W,BR,BLK	23 03 01.02,23 03 02.02, 23 03 03.02	NW-17	VK1 TO HV PANEL,(S1),SPEED SENSOR CABLES
VK2				86	3X1.0 SQ MM +SHIELD MULTI-CORE CABLE			01	12000	W,BR,BLK	23 03 04.02,23 03 05.02, 23 03 06.02	NW-17	VK2 TO HV PANEL,(S1),SPEED SENSOR CABLES
VK3				82	3X1.0 SQ MM +SHIELD MULTI-CORE CABLE			01	12000	W,BR,BLK	23 03 07.02,23 03 08.02, 23 03 09.02	NW-17	VK3 TO HV PANEL,(S1),SPEED SENSOR CABLES
VK4				81	3X1.0 SQ MM +SHIELD MULTI-CORE CABLE			01	15000	W,BR,BLK	23 03 10.02,23 03 11.02, 23 03 12.02	NW-17	VK4 TO HV PANEL,(S1),SPEED SENSOR CABLES
VK11		UNDERSLUNG HV PANEL,(S1)		41	1.5 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	02	5000	W,CH	-	NW-17	VK11 TO HV PANEL, (S1),AIR BRAKE CABLE
BCT-1	10 SQ.MM. /M10 (1-NO.)	BCT-2	10 SQ.MM. /M10 (1-NO.)	55A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	4000	RED	-	NW-23	BCT-1 TO BCT-2 CABLE
BCT-1	10 SQ.MM. /M10 (1-NO.)	BCT-2	10 SQ.MM. /M10 (1-NO.)	56A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	4000	BLK	-	NW-23	BCT-1 TO BCT-2 CABLE
BCT-1	10 SQ.MM. /M10 (1-NO.)	BATTERY FUSE BOX(+VE),(S4)	10 SQ.MM. /M8 (1-NO.)	42A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	10000	RED	-	NW-23	BCT-1 TO BATTERY FUSE BOX(+VE),(S4) CABLE
BCT-1	10 SQ.MM. /M10 (1-NO.)	BATTERY FUSE BOX(-VE),(S5)	10 SQ.MM. /M8 (1-NO.)	43A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	7500	BLK	-	NW-23	BCT-1 TO BATTERY FUSE BOX(-VE),(S5) CABLE
RBC (+VE)		ON BOARD SBC HOG PANEL		36A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	11000	CH	-	NW-17	RBC(+VE)TO HOG COMPLIANT SWITCH BOARD CABINET
BATTERY BOX(-VE)		ON BOARD SBC HOG PANEL		40A	10 SQ.MM	750V	ELRS/SPEC/ELC/0019,REV-4	01	10000	W	-	NW-17	BATTERY FUSE BOX (-VE) TO HOG COMPLIANT SWITCH BOARD CABINET

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DATE OF FIRST ISSUE 16/01/2021

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LR70034s1 ALT NIL		
WEIGHT	FILE	Z:\LR700034s2a.prt				
NIL KG	BLOCK AND WIRING DIAGRAM & HARNESS CHART FOR UNDERFRAME (FOR HOG COMPLIANT LHB EOG NON-AC LSLRD COACH)			SCALE	SSE/ED	
S.AREA					CHD	
NIL M2					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.	LR70034	
HEIGHT				ALT.	a	SIZE A SHEET 2/3
NIL M	SEE/D&D		DY.CEE/D&D			

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
a	12/01/2026	ALL	1.BOM & HARNESS CHART UPDATED AND DRAWING MODIFIED ACCORDINGLY.	CR NO. 2300250016

EARTHING CABLES

CABLE SIZE	NO.OF CABLE	LENGTH (IN MM.)	COLOUR OF CABLE	EQUPMENT	CRIMPING SOCKET	SPEC./ITEM.NO.
70	04	500	GNYE	FEEDER JUNCTIONN BOX (4-Nos.)	70 SQ.MM. /M12 (8-NOS.)	EDTS-200 (LATEST),ITEM-7
70	02	500	GNYE	9/15 KVA T/F (2-Nos.)	70 SQ.MM. /M10 (2-NOS.)	EDTS-200 (LATEST),ITEM-8
70	02	1250	GNYE	FEEDRE JUNCTION BOX (2-Nos.)	70 SQ.MM. /M10 (4-NOS.)	EDTS-200 (LATEST),ITEM-8
70	02	800	GNYE	FEEDER JUNCTION BOX (2-Nos.)	70 SQ.MM. /M10 (4-NOS.)	EDTS-200 (LATEST),ITEM-8
50	01	450	GNYE	BATTERY BOX	50 SQ.MM. /M10 (2-NOS.)	EDTS-200 (LATEST),ITEM-10
16	03	300	GNYE	BATTERY FUSE BOX (+VE & -VE) (1-No. EACH) & BRAKE CONT,(1-No.),	16 SQ.MM. /M8 (6-NOS.)	EDTS-200 (LATEST),ITEM-16
2.5	04	450	GNYE	DUMP VALVE (1-No. each)	2.5 SQ.MM. /M6 (8-NOS.)	EDTS-201 (LATEST),ITEM-10

36	COPPER CRIMPING SOCKET FOR 25 SQ.MM CABLE	6	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-23,(M16)					
35	COPPER CRIMPING SOCKET FOR 50 SQ.MM CABLE	02	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-8,(M10)					
34	COPPER CRIMPING SOCKET FOR 70 SQ.MM CABLE	12	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-8,(M10)					
33	COPPER CRIMPING SOCKET FOR 70 SQ.MM CABLE	8	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-7,(M12)					
32	CABLE MARKING SYSTEM	1	NIL	EDML-60,COL-VI	NIL					
31	3X1.0 SQ.MM MULTICORE E-BEAM CABLE 600/1000V COLOUR WH,BR,BLK	30	NIL	EDTS-132,REV-C, AM-3 OR LATEST	DATA SHEET-4					
30	1.5 SQ.MM CHOCOLATE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	5	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
29	1.5 SQ.MM WHITE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	5	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
28	2.5 SQ.MM CHOCOLATE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	133	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
27	2.5 SQ.MM WHITE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	5	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
26	10 SQ.MM WHITE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	27	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
25	10 SQ.MM CHOCOLATE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	32	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
24	10 SQ.MM BLACK THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	12	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
23	10 SQ.MM RED THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	14	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
22	6 SQ.MM GNYE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	5	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
21	6 SQ.MM BLUE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	28	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
20	6 SQ.MM BLACK THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	28	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
19	6 SQ.MM YELLOW THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	28	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
18	6 SQ.MM RED THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	28	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
17	16 SQ.MM BLACK THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	14	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
16	16 SQ.MM BLUE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	14	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
15	16 SQ.MM YELLOW THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	14	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
14	16 SQ.MM RED THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UP TO 750V (IN MTRS)	14	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
13	16 SQ.MM BLACK THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	13	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
12	16 SQ.MM BLUE THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	13	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
11	16 SQ.MM YELLOW THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	13	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
10	16 SQ.MM RED THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	13	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
9	25 SQ.MM BLACK THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	24	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
8	25 SQ.MM BLUE THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	24	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
7	25 SQ.MM YELLOW THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	24	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
6	25 SQ.MM RED THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	24	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
5	70 SQ.MM GNYE THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	10	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
4	95 SQ.MM BLACK THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	57	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
3	150 SQ.MM BLUE THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	57	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
2	150 SQ.MM YELLOW THIN WALLED FLEX.ELAS.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	57	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					
1	150 SQ.MM RED THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.,750 TO 1.8/3KV(IN MTRS)	57	NIL	ELRS/SPEC/ELC -0019,REV-4.	NIL					

45	FLEXIBLE FLAME RETARDANT PERFORMANCE POLYOLEFIN HEAT SHRINKABLE TUBING	1	NIL	EDML-176 REV-0	NIL					
44	COPPER CRIMPING SOCKET FOR 2.5 SQ.MM CABLE	12	NIL	EDTS-201, REV-A	AM-2,COR-1, ITEM-10,(M8)					
43	COPPER CRIMPING SOCKET FOR 10 SQ.MM CABLE	4	NIL	EDTS-201, REV-A	AM-2,COR-1, ITEM-13,(M10)					
42	COPPER CRIMPING SOCKET FOR 10 SQ.MM CABLE	12	NIL	EDTS-201, REV-A	AM-2,COR-1, ITEM-1,(M8)					
41	COPPER CRIMPING SOCKET FOR 6 SQ.MM CABLE	4	NIL	EDTS-201, REV-A	AM-2,COR-1, ITEM-4,(M6)					
40	COPPER CRIMPING SOCKET FOR 16 SQ.MM CABLE	8	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-17,(M8)					
39	COPPER CRIMPING SOCKET FOR 16 SQ.MM CABLE	10	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-16,(M8)					
38	COPPER CRIMPING SOCKET FOR 25 SQ.MM CABLE	8	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-14,(M8)					
37	COPPER CRIMPING SOCKET FOR 25 SQ.MM CABLE	12	NIL	EDTS-200, REV-0	AM-2,COR-3, ITEM-13,(M10)					

THIS DRAWING IS THE INTELLECTUAL PROPERTY OF RAIL COACH FACTORY, KAPURTHALA.
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.

NOTE:-

1. REFER DRG. NO. LR71004,ALT-'A' FOR ARRANGEMENT OF UNDERFRAME WIRING.
2. REFER TO FERRULE NUMBER FOR UNDERFRAME WIRING TO EDTS-357,REV-C,COR-1,AM-1&2 OR LATEST.
3. REFER TO CODE OF PRACTICE FOR WIRING FOR 110V DC TRAIN LIGTING FOR EL/TL/48,(REV-1)-2005 & ELPS/SPEC/EOG/01.
4. 3X1.0 SQ MM SHIELD MULTI-CORE CABLES OF SPEED SENSOR HAVE BEEN DELETED FROM BOM AS THESE ARE BEING SUPPLIED BY WSP SYSTEM SUPPLIERS.
5. REFER WORK INSTRUCTION FOR APPLICATION OF FIRE BARRIER IN LHB AC & NON-AC COACHES TO EDW0036,VERSION-1.0.
6. REFER WORK INSTRUCTION FOR CRIMPING OF CABLE ENDS & CABLE TERMINATIONS TO EDW0006,VERSION-0.1.
7. REFER WORK INSTRUCTION FOR TEST PROCEDURE FOR TIGHTENING TORQUE OF HARDWARES FOR UNDERFRAME MOUNTED EQUIPMENTS IN LHB AC & NON-AC COACHES TO EDW0035,VERSION-1.0.
8. ✳3X1.0 SQ MM SHIELD MULTI-CORE CABLES OF SPEED SENSOR HAVE BEEN DELETED FROM BOM AS THESE ARE BEING SUPPLIED BY WSP SYSTEM SUPPLIERS.

WELD LENGTH	NIL M	ITEM	DESCRIPTION & DIMENSIONS	QPASSLT	DETAIL DRG / MATL. & SPEC. / REMARKS
WEIGHT	NIL KG	GROUP	ELECTRICAL	SUPERSEDES:	LR70034s1 ALT NIL
S.AREA	NIL M2	FILE	Z:\LR700034s3a.prt		
~~LENGTH/DIA~~	NIL M		BLOCK AND WIRING DIAGRAM & HARNESS CHART FOR UNDERFRAME (FOR HOG COMPLIANT LHB EOG NON-AC LSLRD COACH)	SCALE	SSE/ED / CHD / DRN
~~WIDTH/THICK.~~	NIL M		RAIL COACH FACTORY, KAPURTHALA	REF.DRG.No.	NIL
HEIGHT	NIL M		रेल कोच फैक्टरी कपूरथला IRS	PL NO.	NIL
			SEE/VD DY.CEE/D	DRG.NO.	LR70034
				ALT.	a
				SIZE	A1
				SHEET	3/3

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

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

FOR UNTOLERANCED DIMENSIONS REFER MDG0008

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