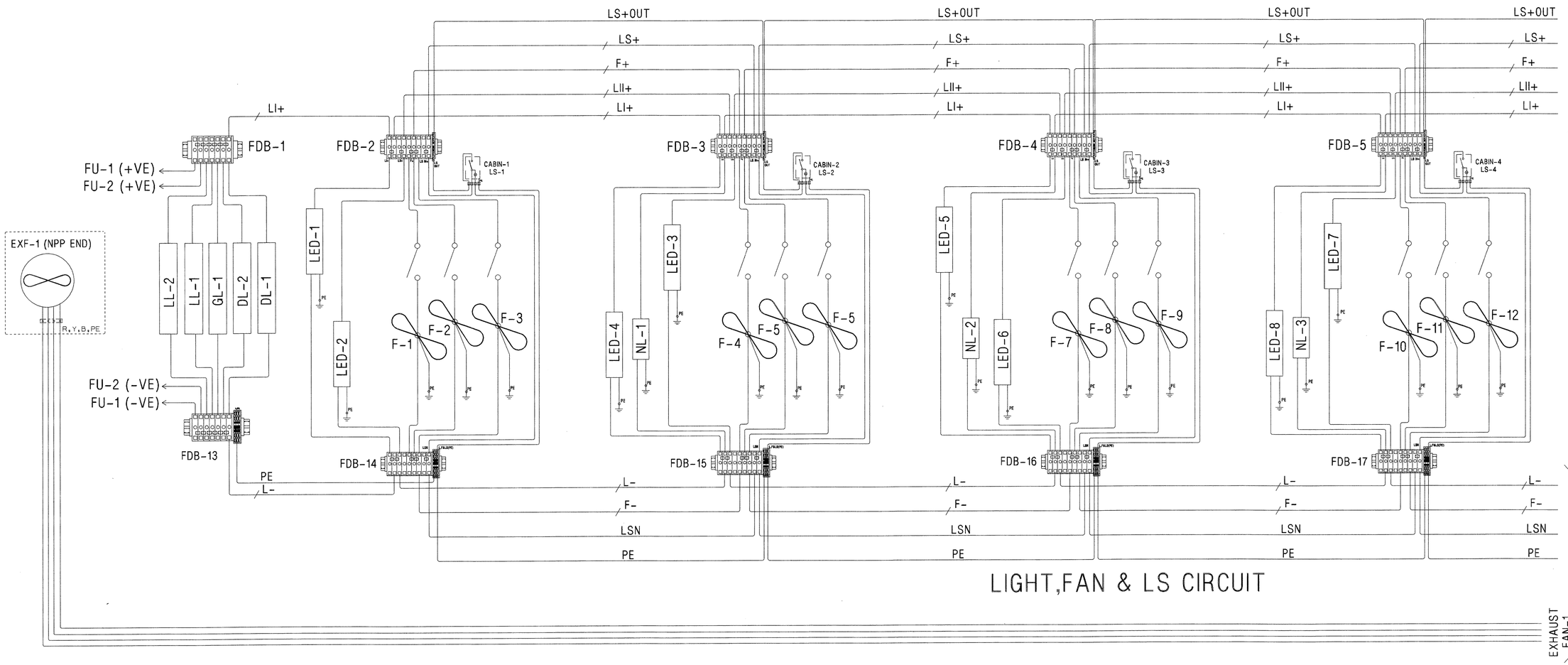
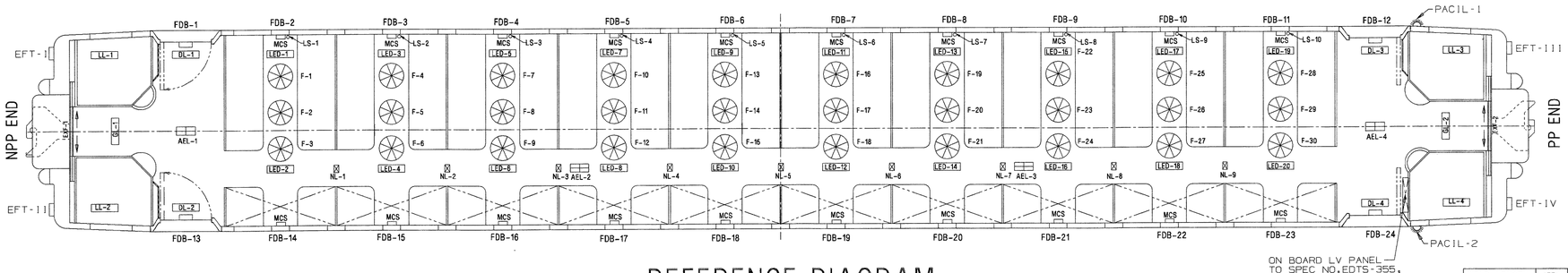
ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY



LIGHT,FAN & LS CIRCUIT



REFERENCE DIAGRAM

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LS70311sl.prt		
WEIGHT	FILE	Z:\SCN ALT-2026\LS70311sla.prt				
NIL KG						
S.AREA		WIRING DIAGRAM ARRANGEMENT FOR ROOF (FOR LHB EOG SCN NON-AC COACH)				
NIL M^2						
~~LENGTH/DIA~~						
NIL M		RAIL COACH FACTORY, KAPURTHALA				
~~WIDTH/THICK.~~						
NIL M		रेल कोच फैक्टरी कपूरथला		IRS		
HEIGHT						
NIL M						

SCALE	SSE/ED	
	CHD	
	DRN	

REF.DRG.No. NIL

PL NO. NIL

DRG.NO. LS70311

ALT. a SIZE A1 SHEET 1/4

SEE/VD DY.CEE/D&D

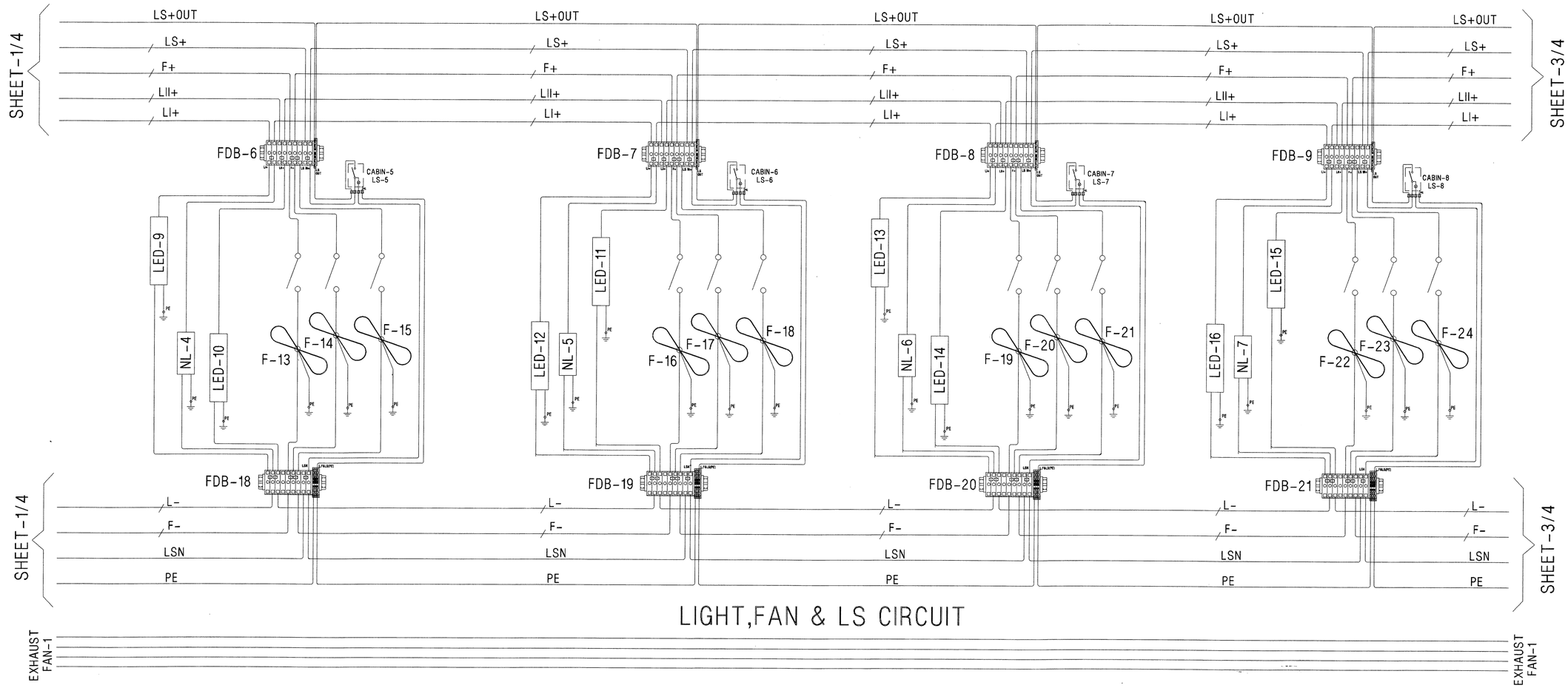
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

FOR UNTOLERANCED DIMENSIONS REFER MDG0008

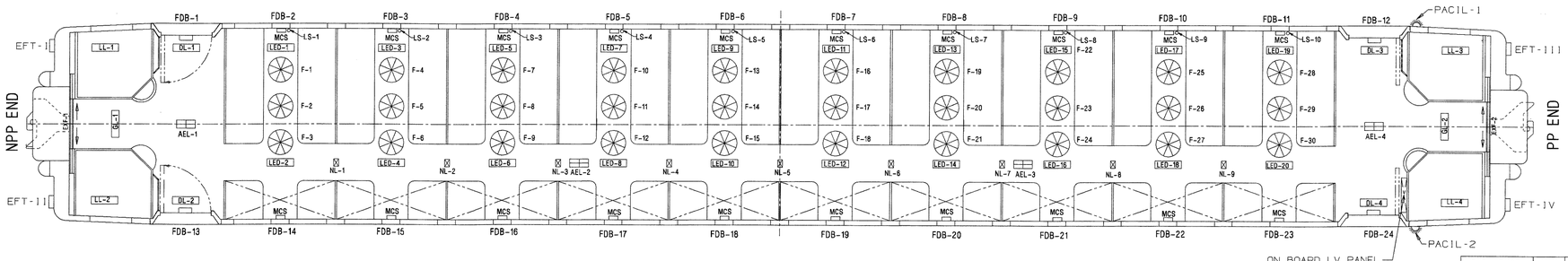
DETAIL DRGS STARTING WITH "LI" ARE INTERNAL REFERENCE LISTS ONLY AND ARE NOT FOR ISSUE.

DATE OF FIRST ISSUE 03/01/2026

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY



LIGHT,FAN & LS CIRCUIT



REFERENCE DIAGRAM

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LS70311sl.prt		
WEIGHT	FILE	Z:\SCN ALT-2026\LS70311s2a.prt				
NIL KG	WIRING DIAGRAM ARRANGEMENT FOR ROOF (FOR LHB EOG SCN NON-AC COACH)		SCALE	SSE/ED		
S.AREA				CHD		
NIL M^2				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.	LS70311	
HEIGHT	SEE/VD	DY.CEE/D&D	ALT.	a	SIZE A1	SHEET 2/4
NIL M						

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SHEET-3/4

LS+OUT
LS+
F+
LII+
LI+

FDB-10 — CABIN-9 LS-9 — LED-17 — NL-8 — LED-18 — F-25 F-26 F-27

FDB-11 — CABIN-10 LS-10 — LED-19 — LED-20 — NL-9 — F-28 F-29 F-30

FDB-12 → FU-3 (+VE), FU-4 (+VE)
DL-3 DL-4 GL-2 LL-3 LL-4
FU-4 (-VE), FU-3 (-VE) → FDB-24

FDB-22 FDB-23

L-
F-
LSN
PE

SHEET-3/4

EXHAUST FAN-1

PACIL-1 PACIL-2
PASSENGER ALARM COACH INDICATION LIGHT CIRCUIT

EXF-2 (PP END)
R,Y,B,PE

FDB-1 FDB-2 FDB-3 FDB-4 FDB-5 FDB-6 FDB-7 FDB-8 FDB-9 FDB-10 FDB-11 FDB-12
FDB-13 FDB-14 FDB-15 FDB-16 FDB-17 FDB-18 FDB-19 FDB-20 FDB-21 FDB-22 FDB-23 FDB-24

NPP END — PP END
EFT-I — EFT-II — EFT-III — EFT-IV
LL-1 DL-1 LL-2 DL-2 AEL-1 EXF-1 DL-3 LL-3 DL-4 LL-4 AEL-4 EXF-2
MCS LS-1 … LS-10
LED-1 … LED-20
F-1 … F-30
NL-1 … NL-9 AEL-2 AEL-3
PACIL-1 PACIL-2

ON BOARD LV PANEL TO SPEC NO.EDTS-355,

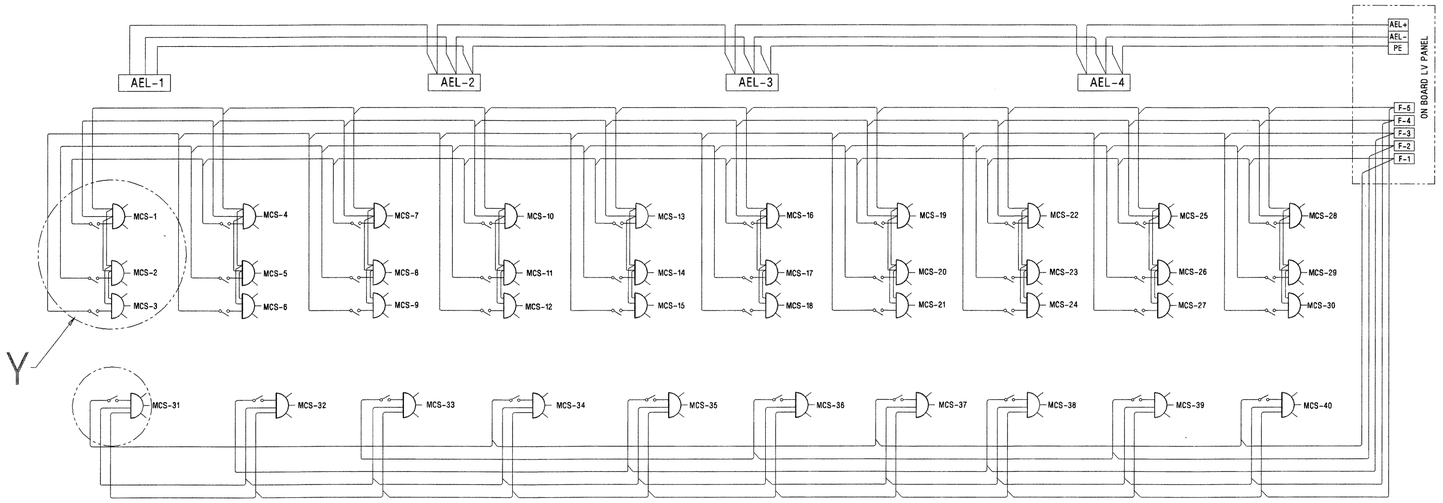
REFERENCE DIAGRAM

(190V 3Ø-AC) FROM UNDERFRAME
110V DC FROM UNDERFRAME

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LS70311sl.prt		
WEIGHT	FILE	Z:\SCN ALT-2026\LS70311s3a.prt				
NIL KG		WIRING DIAGRAM ARRANGEMENT FOR ROOF (FOR LHB EOG SCN NON-AC COACH)	SCALE	SSE/ED		
S.AREA				CHD		
NIL M²				DRN		
~~LENGTH/DIA~~		RAIL COACH FACTORY, KAPURTHALA	REF.DRG.No.	NIL		
NIL M		रेलकोच फैक्टरी कपूरथला	IRS	PL NO.	NIL	
~~WIDTH/THICK.~~				DRG.NO.	LS70311	
NIL M				ALT.	a	
HEIGHT				SIZE	A1	
NIL M		SEE/VD	DY.CEE/D&D	SHEET	3/4	

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FOR UNTOLERANCED DIMENSIONS REFER MDG0008
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DATE OF FIRST ISSUE 03/01/2026

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
a	06/02/2026	ALL	1.MCS CIRCUIT UPDATED AS PER REVISED SPECIFICATION EDTS-357,REV-D & DRAWING MODIFIED ACCORDINGLY.	CR NO. 2300250016



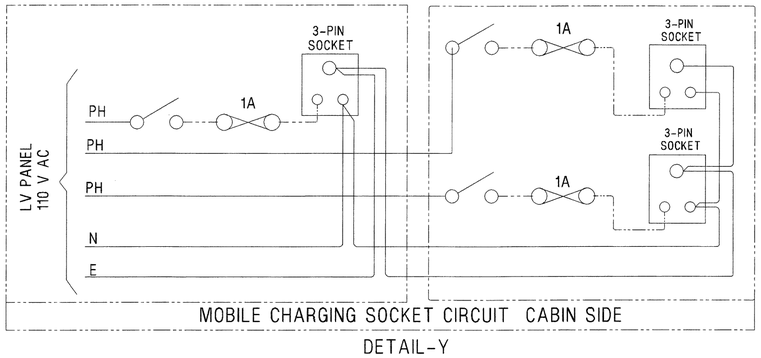
CABLE SIZE

CABLE SIZE	SYMBOL	SPECIFICATION
1.5 SQ.MM.THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V.	———	ELRS/SPEC/ELC/0019 REV-4 OR LATEST.
4 SQ.MM.THIN WALLED FLEX.ELAST.CABLE WITH CU.COND.UPTO 750V.	——/——	

ABBREVIATION & LOAD CHART (110V AC)

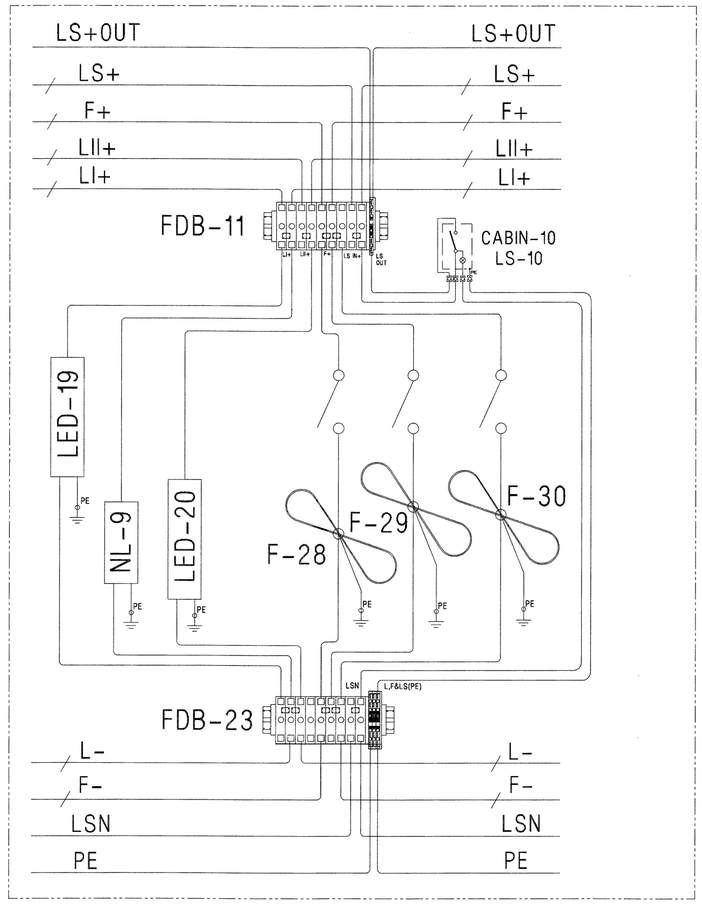
PH	MOBILE CHARGING SOCKET	QPC	WATTAGE	LOAD IN WATTS	LOAD IN CURRENT	FUSE RATING
R	MCS-1,4,7,10,13,16,19,22,25, 28,31,34,37,40.	14	15	210	1.90A	6A
Y	MCS-2,5,8,11,14,17,20,23,26, 29,33,36,39.	13	15	195	1.77A	6A
B	MCS-3,6,9,12,15,18,21,24,27, 30,32,35,38.	13	15	195	1.77A	6A
	TOTAL	40		600	5.45A	

MOBILE CHARGING CIRCUIT FOR (110V AC)

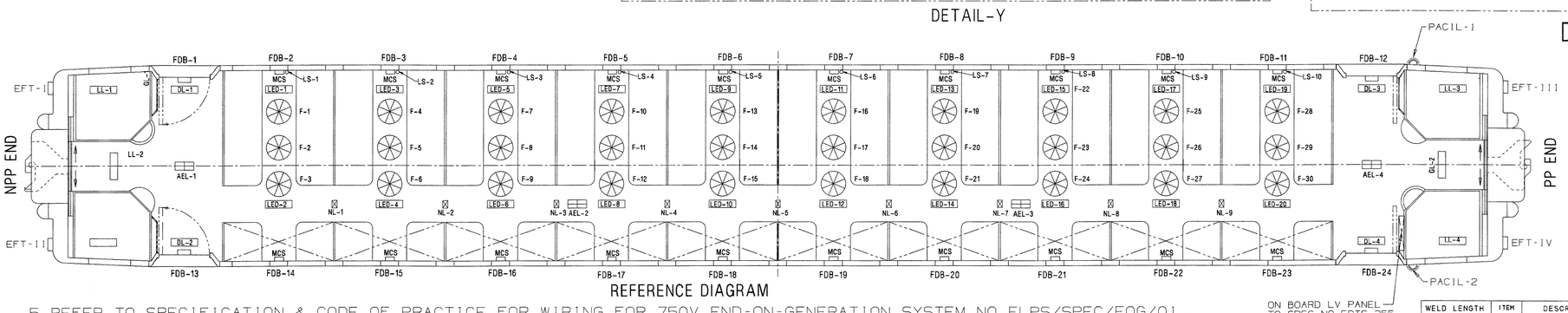


MOBILE CHARGING SOCKET CIRCUIT CABIN SIDE

DETAIL-Y



DETAIL-X



REFERENCE DIAGRAM

ON BOARD LV PANEL TO SPEC NO.EDTS-355,

NOTE:-

5. REFER TO SPECIFICATION & CODE OF PRACTICE FOR WIRING FOR 750V END-ON-GENERATION SYSTEM NO.ELPS/SPEC/EOG/01.
4. REFER TO CODE OF PRACTICE FOR TRAIN LIGHTING MAINTENANCE ON PREVENTION OF FIRES ON 110V DC SELF GENERATING COACHES NO.EL/TL/56-1992 & EL/TL/48,(REV-1)-2005.
3. REFER TO FERRULE NUMBER FOR ROOF JUMPER & BRANCH WIRING TO EDTS-357,REV-C,COR-1,AM-1,2 & 3 OR LATEST.
2. REFER DRG.NO.LS74106,ALT-'B' FOR LAYOUT OF SWITCH INSTALLATION.
1. REFER DRG.NO.LS70311,ALT-'A' FOR WIRING DIAGRAM ARRANGEMENT FOR ROOF.

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

FOR UNTOLERANCED DIMENSIONS REFER MDG0008

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DATE OF FIRST ISSUE 03/01/2026

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LS70311s1.prt		
WEIGHT	FILE	Z:\SCN ALT-2026\LS70311s4a.prt				
NIL KG						
S.AREA		WIRING DIAGRAM ARRANGEMENT FOR ROOF (FOR LHB EOG SCN NON-AC COACH)				
NIL M²						
~~LENGTH/DIA~~						
NIL M		RAIL COACH FACTORY, KAPURTHALA				
~~WIDTH/THICK.~~		रेलकोच फैक्टरी कपूरथला IRS				
NIL M						
HEIGHT						
NIL M		SEE/VD DY.CEE/D&D				

SCALE | SSE/ED | CHD | DRN

REF.DRG.No. NIL

PL NO. NIL

DRG.NO. LS70311

ALT. a | SIZE A1 | SHEET 4/4