ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

LIGHT CIRCUIT

FAN CIRCUIT

LIMIT SWITCH CIRCUIT

EXF-1 (NPP END)

EXF-2 (PP END)

R,Y,B,PE

PACIL-1

PACIL-2

PASSENGER ALARM COACH INDICATION LIGHT CIRCUIT

REFERENCE DIAGRAM

NPP END

PP END

EFT-I

EFT-II

EFT-III

EFT-IV

EX-FAN-1

EX-FAN-2

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

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES:	LS70120slc.prt		
WEIGHT	FILE	Z:\SCN ALT-2026\LS70120sld.prt (2D)				
NIL KG						
S.AREA		SCHEMATIC DIAGRAM FOR ROOF WIRING (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		SEE/VD	DY.CEE/D&D			

SCALE	SSE/ED	
	CHD	
	DRN	
REF.DRG.No. NIL		
PL NO.	NIL	
DRG.NO.	LS70120	
ALT.	d	SIZE A1 SHEET 1/2

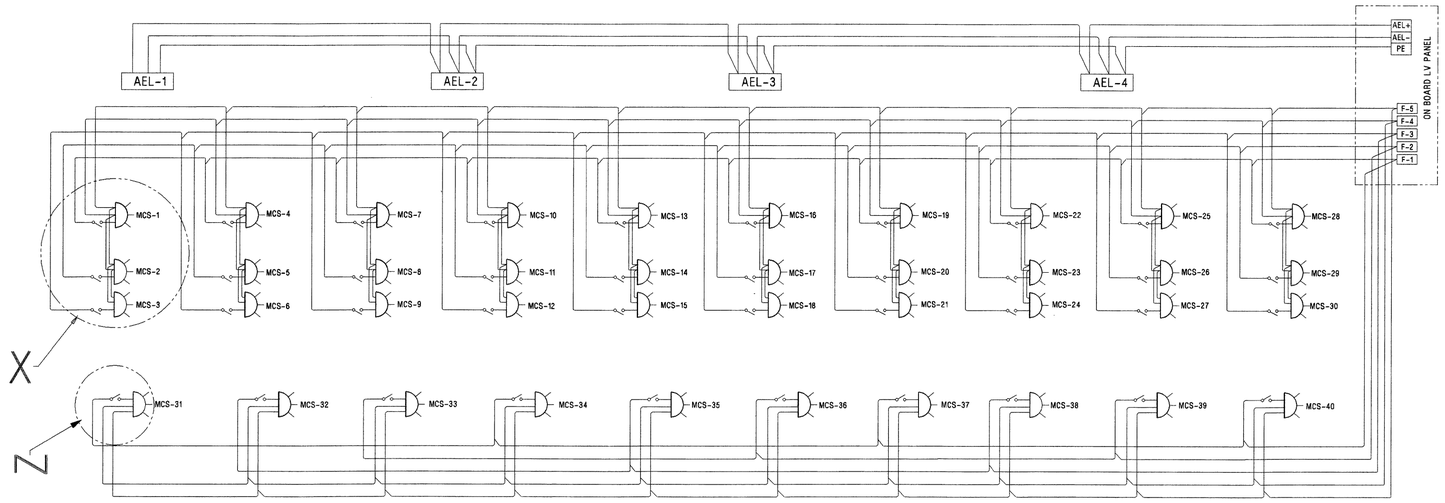
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

FOR UNTOLERANCED DIMENSIONS REFER MDG0008

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

DATE OF FIRST ISSUE 23/03/2012

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



ABBREVIATION & LOAD CHART 3-PHASE ,190V AC

CIRCUIT	CONNECTED LOAD	QPC	WATTAGE	LOAD IN WATTS	LOAD IN CURRENT	MPCB RATING
EX.F	EXHAUST BLOWER FAN-1 (NPP END)	01	200	200	0.76	RANGE 0.63-1A (SET AT 0.8 A)
	EXHAUST BLOWER FAN-2 (PP END)	01	200	200	0.76	
	TOTAL	02		400	1.52A	

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	

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.	——/——	

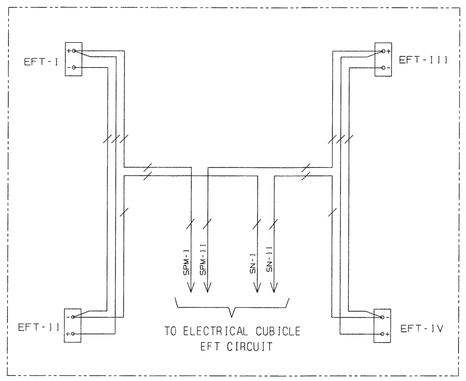
ABBREVIATION & LOAD CHART (110V DC)

CODE	DESCRIPTION	WATTAGE	QTY PER COACH	LOAD IN WATTS
LED	LED LIGHT	9	20	180
DL	DOOR WAY LIGHT(LED TYPE)	9	04	36
GL	GANGWAY LIGHT (LED TYPE)	9	02	18
LL	LAVATORY LIGHT(LED TYPE)	9	04	36
NL	NIGHT LIGHT(LED TYPE)	1	09	09
PACIL	PASSENGER ALARM CHAIN INDICATION LIGHT CIRCUIT	3	02	06
AEL	ACCIDENTAL EMERGENCY LIGHT	10	04	40
F	FAN	38	30	1140
FUS	FLUSHING UNIT SYSTEM	12.5	04	50
	TOTAL			1515

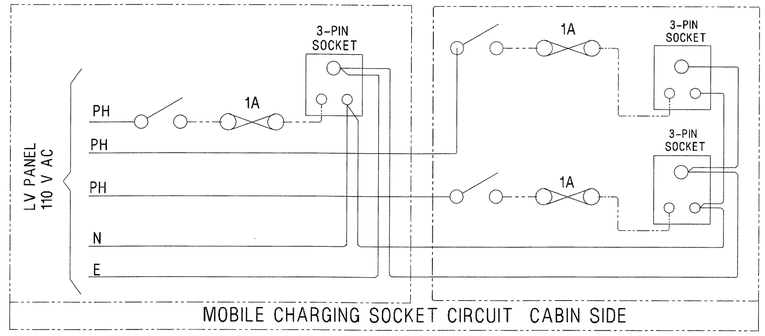
MOBILE CHARGING CIRCUIT FOR (110V AC)

LOAD ON INDIVIDUAL CIRCUIT

CIRCUIT	CONNECTED LOAD	LOAD IN WATTS	LOAD IN CURRENT	FUSE/ MCB RATING
L-I	LED-1,4,5,8,9,12, 13,16,17,20 DL-2,4 GL-1, LL-1,3, DL-1,3 GL-2 LL-2,4	180	1.6A	16A
FUS	FLUSHING UNIT SYSTEM (1 TO 4)	50	0.45A	
NL	NL-1 TO 9	9	0.08A	
L-II	LED-2,3,6,7,10,11, 14,15,18,19	90	0.81A	16A
F	F-1 TO F-30	1140	10.36A	16A
PACIL	PACIL-1,2	6	0.05A	6A
AEL	AEL-1,2,3,4	40	0.36A	
TOTAL		1515	13.77A	

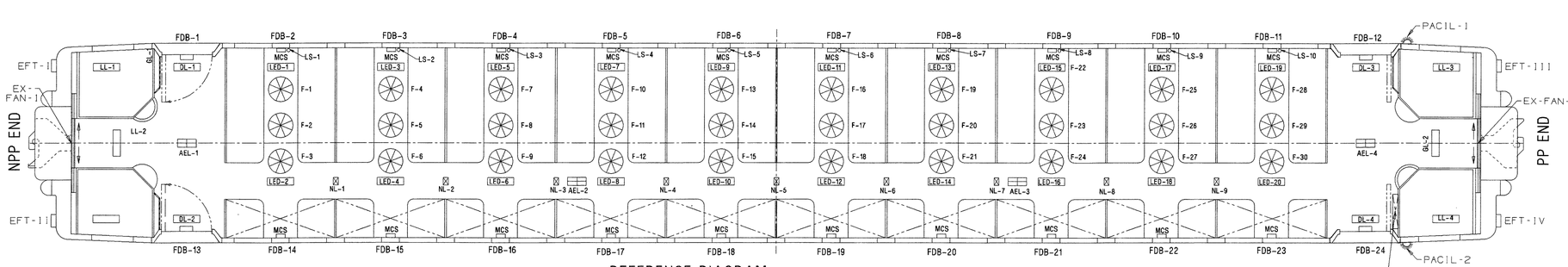


EMERGENCY FEED TERMINAL

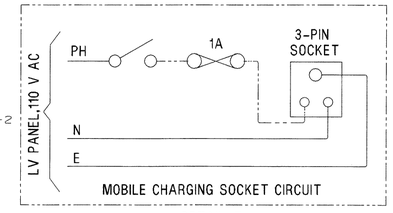


MOBILE CHARGING SOCKET CIRCUIT CABIN SIDE

DETAIL-X



REFERENCE DIAGRAM



DETAIL-Z

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 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.

NOTE:-

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DATE OF FIRST ISSUE 23/03/2012

NIL		NIL	NIL	NIL	NIL
WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	GPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES: LS70120s2c.prt			
WEIGHT	FILE	Z:\SCN ALT-2026\LS70120s2d.prt (2D)				
NIL KG		SCHEMATIC DIAGRAM FOR ROOF WIRING (FOR LHB EOG SCN NON-AC COACH)			SCALE	SSE/ED
S.AREA						CHD
NIL M²						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.	LS70120
HEIGHT		SEE/VD	DY.CEE/D&D		ALT.	d
NIL M					SIZE	A1
					SHEET	2/2