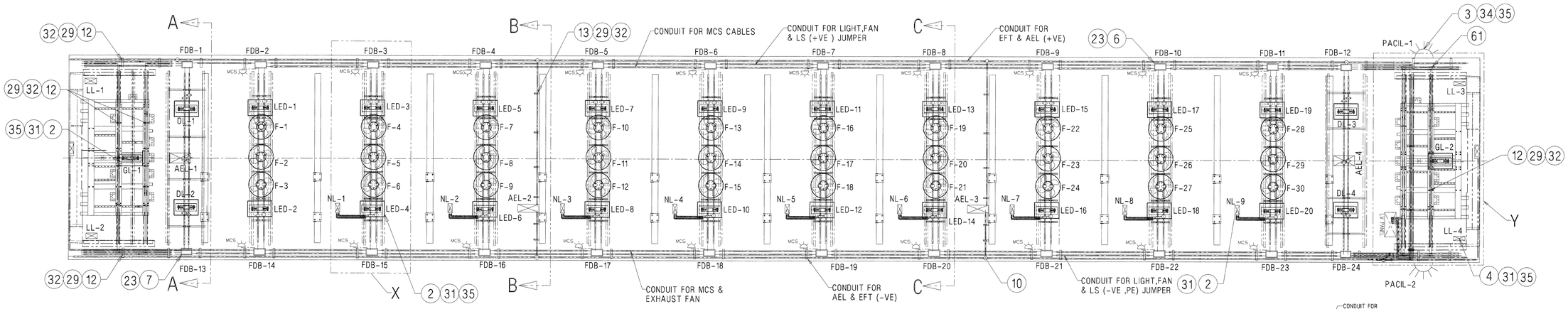
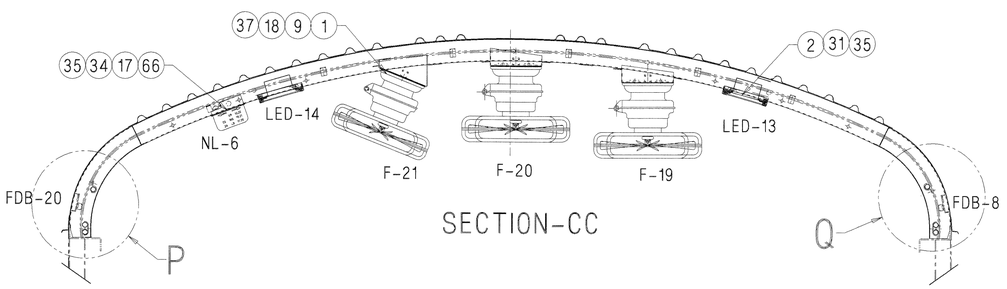
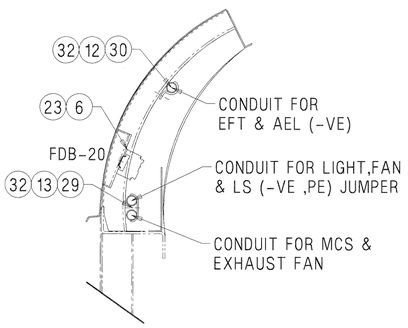
17

ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY

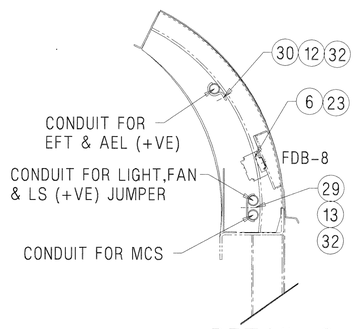




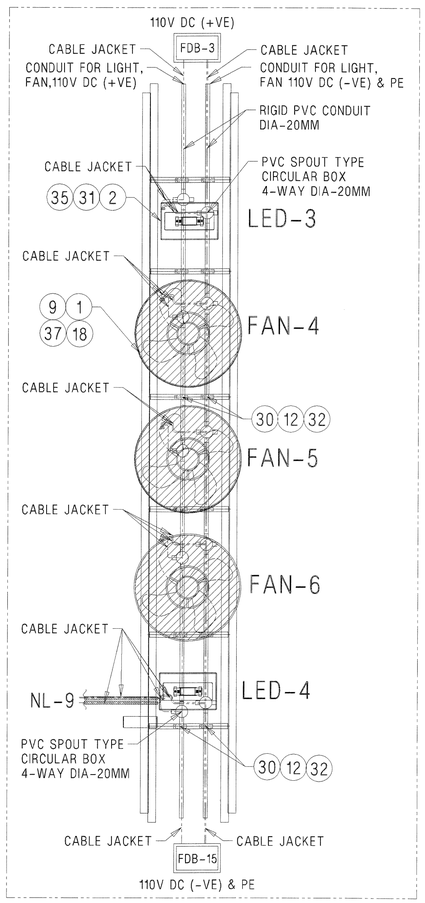
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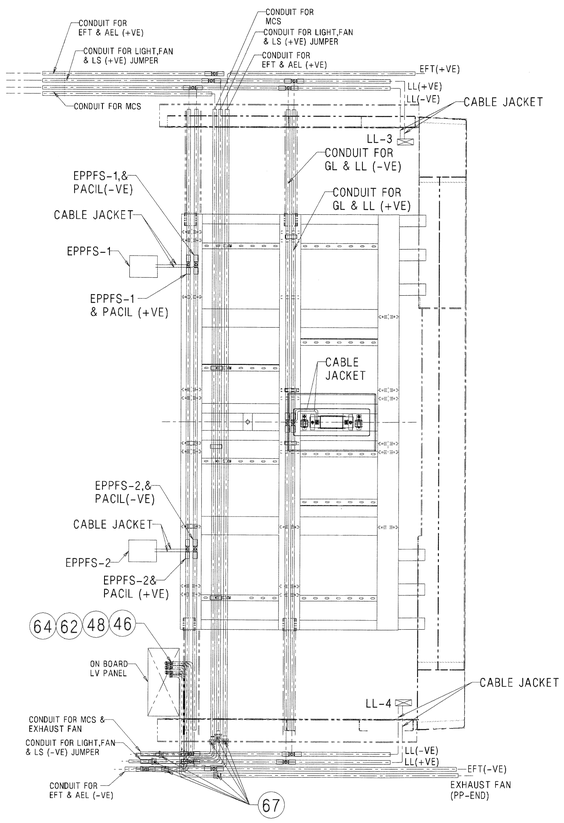
DETAIL-P



DETAIL-Q



DETAIL FROM-X



REFERENCE DETAIL FROM-Y

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 REFERRED WITHOUT PERMISSION FROM CHIEF DESIGN ENGINEER, RAIL COACH FACTORY, KAPURTHALA.

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES: LS76103s2b			
WEIGHT	FILE	Z:\SCN ALT-2026\LS76103s1c.prt (2D)				
NIL KG		ARRANGEMENT OF ROOF WIRING (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						
~~WIDTH/THICK.~~		रेल कोच फैक्टरी कपूरथला IRS	PL NO.	NIL		
NIL M			DRG.NO.	LS76103		
HEIGHT		SEE/VD DY.CEE/D	ALT.	c	SIZE A1	SHEET 1/2
NIL M						

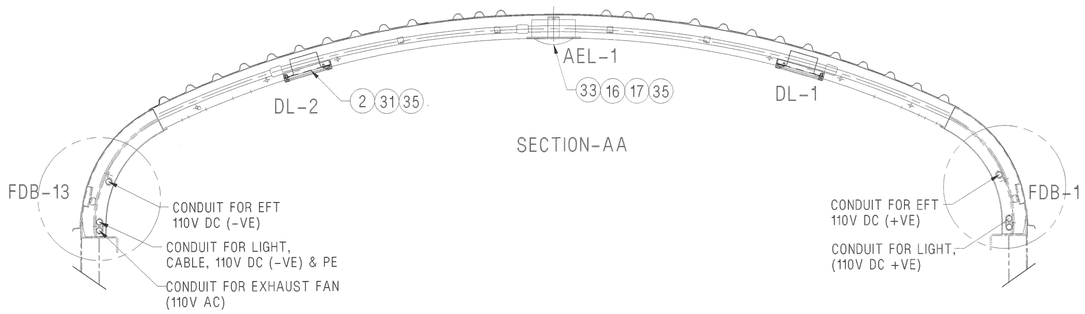
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID.

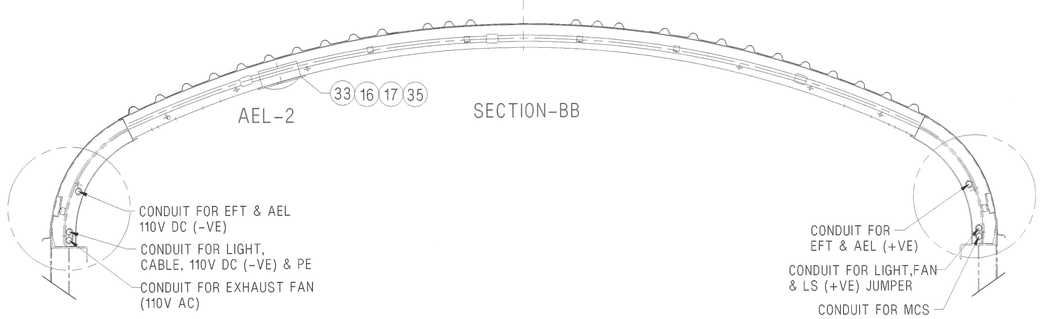
FOR UNTOLERANCED DIMENSIONS REFER MDG0008

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

DATE OF FIRST ISSUE 01/08/2025

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ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
C	03/01/2026	ALL	1.BOM UPDATED AND DRAWING MODIFIED ACCORDINGLY.	CR NO. 2300250016

43	CABLE BINDER	100	NIL	CC76129	ITEM-1
42	CABLE JACKET SYSTEM	10	NIL	EDTS-138	ITEM-9
41	CABLE JACKET SYSTEM	50	NIL	EDTS-138	ITEM-7
40	CABLE JACKET SYSTEM	50	NIL	EDTS-138	ITEM-5
39	CABLE JACKET SYSTEM	90	NIL	EDTS-138	ITEM-8
38	COPER CRIMPING SOCKET FOR 4 SQ.MM E-BEAM COPPER CABLE	12	NIL	EDTS-201,REV-0, AM-3,COR-3,	ITEM-12 (M8.2)
37	SPRING WASHER M8,GALVD	90	IS:3063-94, TY-B	NIL	FOR FAN
36	CHEESE HEADSCREW AMSX30.GALVD.	10	IS:1366-82, 4.8,T-1	NIL	NIL
35	PLAIN WASHER 5.5, GALVD	175	IS:2016-67 T-2,TY-A	NIL	FOR LIGHT,AEL,PACIL
34	CHEESE HEADSCREW AMSX20.GALVD.	46	IS:1366-82, 4.8,T-1	NIL	(FOR PACIL & NL)
33	SAFETY LIGHTING UNIT FOR LHB TYPE COACHES(ONE COACH SET CONSISTING OF 04 NOS.UNITS)	1	EDTS-151 REV.C,AM-1&	NIL	SET OF 4 NOS.
32	PLAIN WASHER 6.6, GALVD	260	IS:2016-67 T-2,TY-A	NIL	NIL
31	PAN HEAD SELF TAPPING SCREW ST.4.8X38-F	120	IS:7173-89 TY-F	NIL	FOR LIGHT
30	P-CLAMP	200	T-7-1-756	NIL	ITEM-3
29	C-CLAMP	60	T-7-1-754	NIL	ITEM-4
28	FRLT COTTON INSULATION TAPE CHOCOLATE	3	ICF/ELEC/ 921,REV.00	NIL	NIL
27	FRLT COTTON INSULATION TAPE WHITE	3	ICF/ELEC/ 921,REV.00	NIL	NIL
26	FRLT COTTON INSULATION TAPE GREEN	3	ICF/ELEC/ 921,REV.00	NIL	NIL
25	RUBBER GROMET A=25.4,E=5.0	2	IS:5270-69, T-1,TY-2	NIL	FOR PACIL
23	PAN HEAD SELF TAPPING SCREW ST.4.8X20-F	50	IS:7173-89 TY-F	NIL	NIL
22	FRLT COTTON INSULATION TAPE BLACK	3	ICF/ELEC/ 921,REV.00	NIL	NIL
21	FRLT COTTON INSULATION TAPE BLUE	3	ICF/ELEC/ 921,REV.00	NIL	NIL
20	FRLT COTTON INSULATION TAPE YELLOW	3	ICF/ELEC/ 921,REV.00	NIL	NIL
19	FRLT COTTON INSULATION TAPE RED	3	ICF/ELEC/ 921,REV.00	NIL	NIL
18	HEXAGONAL HEAD SCREW M8X35,GALVD.	90	IS:1363(P), -92,4.6	NIL	FOR FAN
17	SPRING WASHER M5,GALVD.	60	IS:3063-94, TY-B	NIL	(FOR,AEL, PACIL,NL
16	CHEESE HEADSCREW AMSX12. GALVD.	8	IS:1366-82, 4.8,T-1	NIL	FOR AEL
15	HEXAGONAL NUT M6, GALVD	260	IS:1363(P3) -92,5	NIL	NIL
14	SPRING WASHER M6, GALVD	260	IS:3063-94, TY-B	NIL	NIL
13	HEXAGONAL HEAD SCREW M6X40,GALVD	60	IS:1363(P2) -92,4.6	NIL	NIL
12	HEXAGONAL HEAD SCREW M6X16,GALVD	200	IS:1363(P2) -92.4.6	NIL	NIL
11	RUBBER GROMMET A=19,E=3.9	2	IS:5270-69 T-1,TY-2	NIL	NIL
10	PVC SPOUT TYPE CIRCULAR BOX FIRE RETARDENT,4-WAY DIA 20MM	100	IS:3419-76, T9,FIGE	NIL	NIL
9	RUBBER PACKING FOR FAN	30	RCF/SK-7-3-001	NIL	NIL
7	SET OF CAGE CLAMP TERMINAL FOR DOORWAY	4	CC72070 OR LATEST	NIL	OF M/S WAGO OR EQUIVALENT RDSO APPROVED MAKE.
6	SET OF CAGE CLAMP TERMINAL FOR COMPARTMENT	20	CC72069 OR LATEST	NIL	OF M/S WAGO OR EQUIVALENT RDSO APPROVED MAKE.
4	LED LIGHT FITTING FOR MIRROR & LAVATORY,TYPE-D,(9-WATT)	4	LW96092	RDSO/PE/SPEC /TL/0091-2016	REV-1,WITH RCF ANNX. 1,2&3 (SCOPE OF SUPPLY IN MODULAR LAVATORY)
3	LED LIGHT FITTING FOR PASSENGER ALARM CHAIN INDICATION TYPE-1 (5 WATT)	2	LW76098	RDSO/PE/SPEC /TL/0091-2016	REV-1,WITH RCF ANNX. 1,2&3
2	LED LIGHT FITTING FOR COMPARTMENT ,CORRIDOR & GANGWAY AREA,TYPE-B1,(9-WATT)	26	CC76453	RDSO/PE/SPEC /TL/0091-2016	REV-1,WITH RCF ANNX. 1,2&3
1	BRUSHLESS DC RAILWAY CARRIAGE FAN,110V,400MM SWEEP,FIXED TYPE	30	NIL	RDSO/PE/SPEC /TL/0021-	2008(REV-1)WITH RCF COR-1)FOR HESS WITH BLDC FAN) (MOUNTING HOLES DIA-9 AT 108 PCD)

57	FITTING TO CONNECT FLEXIBLE CORRUGATED TO CONDUIT PIPE ANNEXURE-A,TABLE A-14,S.NO.1	08	NIL	RDSO/PE/SPEC /AC/138-	-2009					
66	LED LIGHT FITTING FOR NIGHT LIGHT WITH BERTH INDICATION FOR AC & NON-AC COACHES TYPE-E (1W)	01	ICF/STD-7-6 -053,COV-V1	RDSO/PE/SPEC /TL/0091-2016	REV-1,WITH RCF ANNX. 1,2&3					
65	HEXGONAL LOCK NUT WITH PG-21 THREAD BRASS,DETAIL AT ANNEXURE-A,TABLE A-10,S.NO.5	06	NIL	RDSO/PE/SPEC /AC/138-	-2009					
64	HEXGONAL LOCK NUT WITH PG-16 THREAD BRASS,DETAIL AT ANNEXURE-A,TABLE A-10,S.NO.4	07	NIL	RDSO/PE/SPEC /AC/138-	-2009					
63	END FITTING (PG-21),DETAIL AT ANNEXURE-A,TABLE A-2,S.NO.5	06	NIL	RDSO/PE/SPEC /AC/138-	-2009					
62	END FITTING (PG-16),DETAIL AT ANNEXURE-A,TABLE A-2,S.NO.3	07	NIL	RDSO/PE/SPEC /AC/138-	-2009					
61	4-WAY SOCKETED COUPLER 20MM PVC CONDUIT	30	SKED-947, ALT-A	NIL	NIL					
60	RIGID PVC CONDUIT FIRE RETARDENT,20MMX3000MM,GREY COLOUR	02	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
59	RIGID PVC CONDUIT FIRE RETARDENT,20MMX2500MM,GREY COLOUR	08	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
58	RIGID PVC CONDUIT FIRE RETARDENT,20MMX500MM,GREY COLOUR	92	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
57	RIGID PVC CONDUIT FIRE RETARDENT,20MMX6000MM,GREY COLOUR	06	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
56	RIGID PVC CONDUIT FIRE RETARDENT,20MMX2500MM,GREY COLOUR	02	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
55	RIGID PVC CONDUIT FIRE RETARDENT,20MMX500MM,GREY COLOUR	02	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
54	RIGID PVC CONDUIT FIRE RETARDENT,20MMX2000MM,GREY COLOUR	02	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
53	RIGID PVC CONDUIT FIRE RETARDENT,20MMX2000MM,GREY COLOUR	48	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
52	RIGID PVC CONDUIT FIRE RETARDENT,20MMX3000MM,GREY COLOUR	2	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
51	RIGID PVC CONDUIT FIRE RETARDENT,20MMX2500MM,GREY COLOUR	4	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
50	RIGID PVC CONDUIT FIRE RETARDENT,20MMX3500MM,GREY COLOUR	04	IS:9537-83, P3,CL.5.1.2	NIL	NIL					
49	TUBE CLAMP(NW-23),DETAIL AT ANNEXURE-A,TABLE A-8,S.NO.4	06	NIL	RDSO/PE/SPEC /AC/138-	-2009					
48	TUBE CLAMP(NW-17),DETAIL AT ANNEXURE-A,TABLE A-8,S.NO.3	06	NIL	RDSO/PE/SPEC /AC/138-	-2009					
47	POLYAMIDE FLEXIBLE CONDUIT(NW-23),DETAIL AT ANNEXURE-A,TABLE A-1,S.NO.4	10	NIL	RDSO/PE/SPEC /AC/138-	-2009					
46	POLYAMIDE FLEXIBLE CONDUIT(NW-17),DETAIL AT ANNEXURE-A,TABLE A-1,S.NO.3	25	NIL	RDSO/PE/SPEC /AC/138-	-2009					
45	CABLE BINDER	100	NIL	CC76129	ITEM-3					
44	CABLE BINDER	100	NIL	CC76129	ITEM-2					

NOTE:-
1. REFER DRG.NO.LS70120,ALT-'C'FOR SCHEMATIC DIAGRAM FOR ROOF WIRING.
2. REFER DRG.NO.LS74106,ALT-'B'FOR LAYOUT OF SWITCH INSTALLATION.
3. REFER TO FERRULE NUMBER FOR ROOFJUMPER & BRANCH WIRING TO EDTS-357,REV-C,COR-1,AM-1& 2 OR LATEST.
4. REFER TO CODE OF PRACTICE FOR WIRING FOR 110V DC TRAIN LIGTING FOR EL/TL/48,(REV-1)-2005 & ELPS/SPEC/EOG/01.
5. NO BARE CABLE SHALL COME IN CONTACT WITH CAR BODY
6. WORK INSTRUCTION FOR CRIMPING OF CABLES TO NO. EDW0006 SHALL BE ENSURED.
7. ONLY COMPETENT STAFF SHALL BE DEPUTED AS PER COMPETENCY CHART ISSUED BY EP FOR CUTING AND CRIMPING OF CABLES.
8. CUTTING OF CABLE INSULATION SHALL BE DONE WITH PROPER TOOL.
9. THE CABLE SHALL NOT BE BARE AFTER COMING OUT FROM PVC CONDUITS TO PREVENT DAMAGE OF INSULATION SHEATH OF CABLE AS PER EL/TL/056-1992.
10. NO STRANDS SHOULD BE OUTSIDE THE WAGO CONNECTORS.

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FOR UNTOLERANCED DIMENSIONS REFER MDG0008

DATE OF FIRST ISSUE 21/10/2016

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL M	GROUP	ELECTRICAL	SUPERSEDES: LS76103s2b			
WEIGHT	FILE	Z:\SCN ALT-2026\LS76103s2c.prt (2D)				
NIL KG						
S.AREA		ARRANGEMENT OF ROOF WIRING (FOR LHB EOG SCN NON-AC COACH)				
NIL M^2						
~~LENGTH/DIA~~						
NIL M		RAIL COACH FACTORY, KAPURTHALA				
~~WIDTH/THICK.~~		रेल कोच फैक्टरी कपूरथला IRS				
NIL M						
HEIGHT						
NIL M		SEE/VD DY.CEE/D				

SCALE	SSE/ED	
	CHD	
	DRN	

REF.DRG.No. NIL

PL NO. NIL

DRG.NO. LS76103

ALT. C | SIZE A1 | SHEET 2/2