



CLIENT:-	TRAVEL FOOD SERVICES PRIVATE LTD	TITLE:-	MAIN LT PANEL	SHEET NO	01
CONSULTANT:-	MEPTEK CONSULTANTS	SCALE	NTS	CHECKED BY	S ALAM KHAN
PROJECT:-	NANDO'S @ DELHI T1 AIRPORT	DATE:	23/12/2024		
DRWG NO.:	ELE-101/24-25	DRWG BY	B ALAM KHAN		



1.0 SYSTEM PARAMETERS

Rated Operational Voltage :415V AC, 50Hz System  
Type of Switchboard :Non Drawout,Fixed type,Indoor

2.0 CONSTRUCTION DETAILS Installation

Mounting :Floor Mounted  
Cable Entry :Top Entry  
Cable Chamber Access :Front Access  
Sheet steel thickness of various parts

Frame / Mounting Plate :16 SWG CRCA  
Doors / Covers :16 SWG CRCA DOOR COVER SHALL BE 2MM THICK  
Base Channel :16 SWG CRCA  
Gland Plate :10 SWG CRCA  
Degree of Protection for Enclosure  
Un-Ventilated Compartments :IP-54

Painting  
Pretreatment Procedure :7 Tank Pretreatment Process  
Paint Material :Structure Finished Powder Coating  
Shade : Siemens Grey RAL 7032

Name Plate  
Name Plate Material :Aluminium Anodised  
Colour of Lettering :White letters on black background  
Identification of Equipments : Self-adhesive stickers

3.0 BUSBARS  
Busbar Support DMC / SMC  
Busbar Sleeve Red/Yellow/Blue/Black coloured  
heat shrinkable sleeve.

4.0 WIRING

Make : POLYCAB / RR KABEL  
Insulation Grade : 1100  
Wire type : Copper Stranded Flexible Wire  
Power Circuits : FRLS PVC  
Insulation Type :  
Colour Coding for Identification : Grey Colour  
Auxiliary/Control Circuits :  
Insulation type : FRLS PVC  
Colour coding for identification : Grey Colour  
Size of wire : To suit Feeder Rating.  
Power Circuit : (4 Sq.mm minimum)  
CT Circuit : 2.5 Sq.mm  
PT / Auxiliary / Control Circuit : 1.5 Sq.mm  
DCS / PLC I/O Circuit : 0.75 Sq.mm  
Power Circuit for 16A : 4 Sq.mm  
Power Circuit for 25A : 4 Sq.mm  
Power Circuit for 32A : 6 Sq.mm  
Power Circuit for 40A : 10 Sq.mm  
Power Circuit for 63A : 16 Sq.mm

5.0 DOOR LOCKS : DC Locks  
Feeder & Wireway Doors : Bolts  
Busbar Chamber Covers :  
Door Earthing : Feeder Hinged Doors with  
current carrying components  
will be earthed.



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