

IF ANY DOUBT ASK

3

2

1

### 1. CONSTRUCTION DETAILS

- [a] TYPE OF DEISGN — SINGLE FRONT, NON-DRAWOUT, COMPARTMENTALISE TYPE
- [b] BASE ARRANGEMENT — WALL MOUNTING
- [c] ACCESS — FRONT OPERATED

### 2. THICKNESS OF CRCA M.S. SHEET

- [a] MAIN BODY — 2mm
- [b] MOUNTING PLATE — 2mm
- [c] PARTITION — 2mm
- [d] DOORS & COVERS — 2mm
- [e] GLAND PLATE — 2mm
- [f] BASE FRAME — 3mm

### 3. PAINTING PROCESS

- [a] TYPE OF PAINT — POWDER COATING STRUCTURE FINISHED
- [b] TREATMENT — 7 TANK PRETREATMENT PROCESS
- [c] SHADE INSIDE — SIEMENS GREY RAL 7032 (75 MICRONS)
- [d] SHADE OUTSIDE — SIEMENS GREY RAL 7032 (75 MICRONS)
- [e] MOUNTING & MCB PLATE — SIEMENS GREY RAL 7032 (75 MICRONS)
- [f] SHADE BASE FRAME — BLACK

### 4. ENCLOSURE PROTECTION — IP-54 [ SUITABLE FOR INDOOR ]

### 5. DOOR

- [a] FEEDER & CABLE ALLEY — KEY OPERATED SILVER COATED DC LOCK
- [b] DOOR EARTHING — FEEDER HINGED DOORS WILL BE EARTHED
- [c] DOOR EARTH WIRE — 1.5 SQ.MM COPPER WIRE

### 6. CABLE ENTRY

- [a] INCOMING CABLE ENTRY — TOP / BOTTOM
- [b] OUTGOING CABLE ENTRY — TOP / BOTTOM

### 7. BUSBAR

- [a] MATERIAL — ALUMINUAM ELECTROLYTIC GRADE
- [b] CURRENT DENSITY — 0.8A / SQ.MM
- [c] PVC SLEEVES — COLOUR CODED HEAT SHRINK SLEEVES TYPE RED, YELLOW, BLUE & BLACK
- [d] BUSBAR SUPPORTS — SMC/DMC/EPOXY (FINGER SUPPORT FOR FOR RUNNER/CONICAL/L-SHAPE INSULATOR)

### [e] BUSBARS SIZE

LOCATION	PHASE	NEUTRAL
125A MCCB	20X10	20X6
AMPER	200A	120A

### 8. EARTHING

- [a] EARTH BUS SIZE — ALUMINUAM ELECTROLYTIC GRADE 25X6

### 9. HARDWARE — PLATED

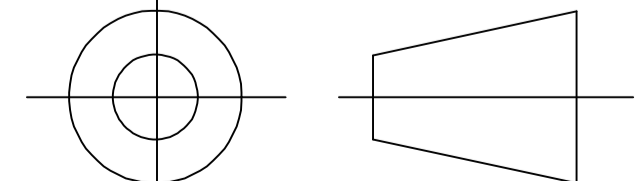
### 10. NAME PLATE — ALUMINIUM, ENGRAVED TYPE

WHITE LETTER, BLACK BACKGROUND

### 11. WIRING

- [a] MAKE — POLYCAB FRLS
- [b] WIRE TYPE — PVC INSULATED FLEXIBE COPPER WIRE
- [c] COLOUR — GREY WITH COLOUR SLEEVE AS PER PHASE (R/Y/B/N)
- [d] CONTROL WIRING — 1. SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS
- [e] CT WIRING — 2.5 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS
- [f] POWER WIRING — 4 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS  
6 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS  
10 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS  
16 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS  
25 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLS

This drawing is the property of SHIVSHAKTHI ENGINEERING. it must not be disclosed, copied or lent to third party without written consent of SHIVSHAKTHI ENGINEERING.

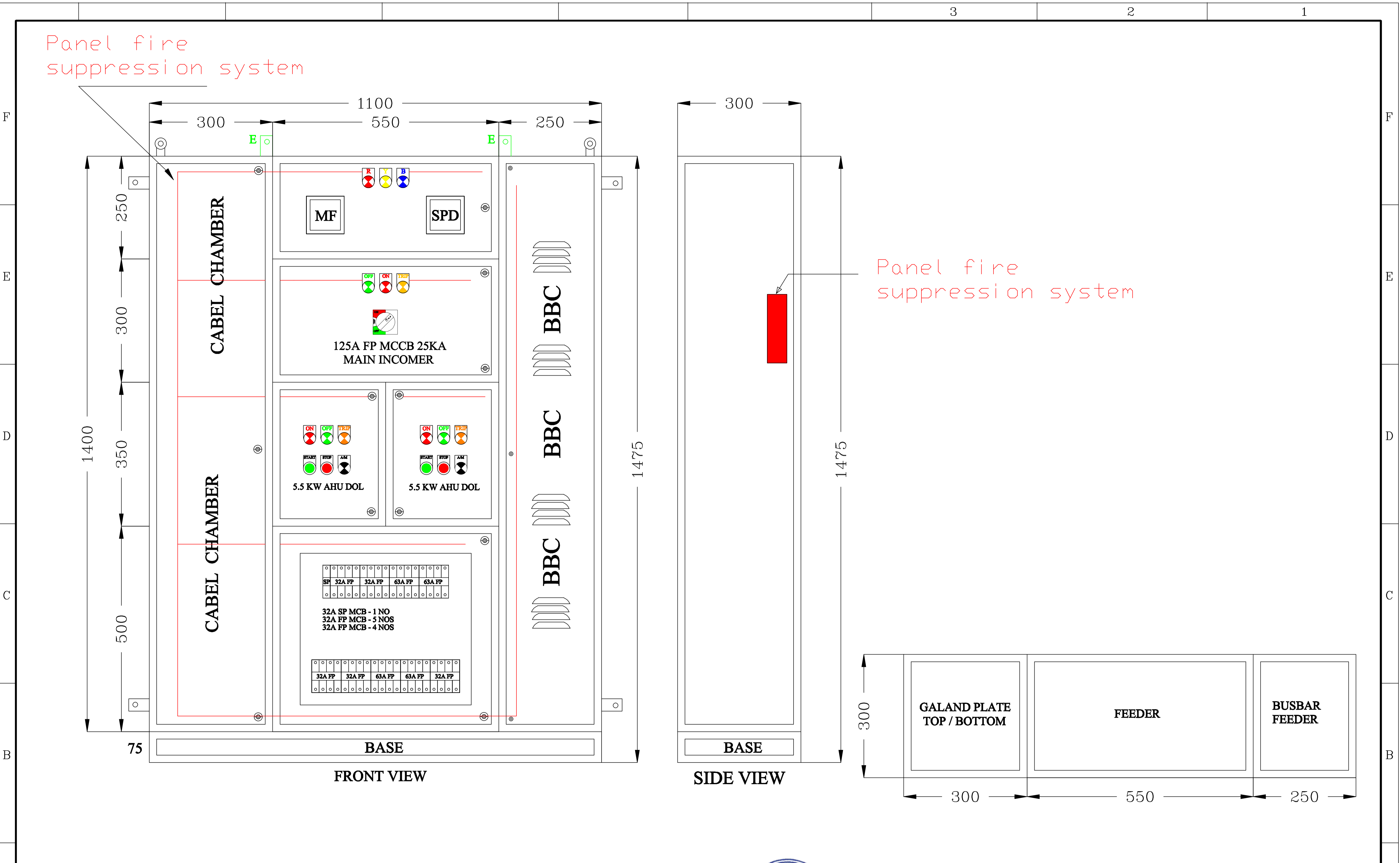
Client: TRAVEL FOOD SERVICE PVT LTD		TITLE: MAIN LT PANEL		SUB TITLE: DETAILS FOR MAIN LT PANEL		R 00											
ARCHITECTS :		CONSULTANT: MEPTTEK CONSULTANTS		Drn		RAJENDRA 13.12.2023											
ELE.CONTRACTOR : ARROW ELECTRICALS		Project: THE IRISH HOUSE WAKAD PUNE		Chkd.		DHARMENDRA 13.12.2023											
 <p>Third Angle Projection</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Rev.No.</th> <th>Drn</th> <th>Chkd.</th> <th>Date</th> <th>Revisions 'Details'</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		Rev.No.	Drn	Chkd.	Date	Revisions 'Details'						Drawing No.		Scale	
				Rev.No.	Drn	Chkd.	Date	Revisions 'Details'									
				Appd.		SSEC - 0212/2023-24											
						Ref. -----											
						Sheet 1 OF 4											



ALL DIMENSIONS ARE IN mm

This drawing is the property of SHREE SIDDHIVINAYAK ENG.CORPORTION. it must not be disclosed, copied or lent to third party without written consent of SHREE SIDDHIVINAYAK ENG.CORPORTION.

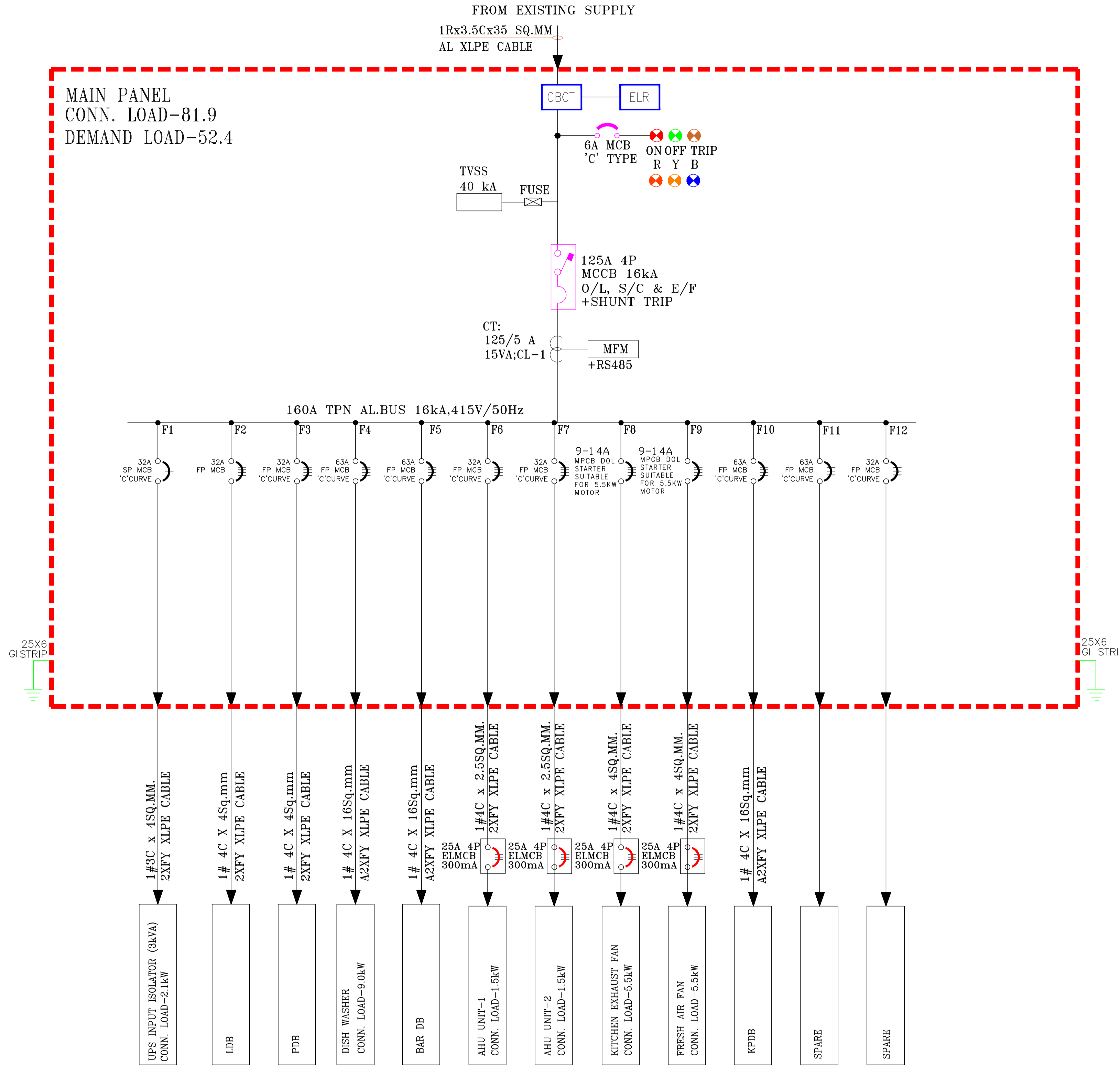
IF ANY DOUBT ASK



Client: TRAVEL FOOD SERVICE PVT LTD			TITLE: MAIN LT PANEL			SUB TITLE: GA.DWG.FOR MAIN LT PANEL			R 00																							
ARCHITECTS :			CONSULTANT : MEPTTEK CONSULTANTS			Drn			RAJENDRA 13.12.2023																							
ELE.CONTRACTOR : ARROW ELECTRICALS			Project: THE IRISH HOUSE WAKAD PUNE			Chkd.			DHARMENDRA 13.12.2023																							
						Appd.			SSEC - 0212/2023-24																							
<table border="1"> <tr> <th>Rev.No.</th> <th>Drn</th> <th>Chkd.</th> <th>Date</th> <th>Revisions 'Details'</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			Rev.No.	Drn	Chkd.	Date	Revisions 'Details'						<table border="1"> <tr> <th>Drn</th> <th>Scale</th> <th>Sheet</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Drn	Scale	Sheet				<table border="1"> <tr> <th>Drawing No.</th> <th>Scale</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>		Drawing No.	Scale			<table border="1"> <tr> <th>Ref.</th> <th>Sheet</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Ref.	Sheet		
Rev.No.	Drn	Chkd.	Date	Revisions 'Details'																												
Drn	Scale	Sheet																														
Drawing No.	Scale																															
Ref.	Sheet																															
			SHREE SIDDHIVINAYAK ENGINEERING CORPORTION																													
8			7			6			5																							
ALL DIMENSIONS ARE IN mm																																

This drawing is the property of SHREE SIDDHIVINAYAK ENG.CORPORTION. it must not be disclosed,copied or lent to third party without written consent of SHREE SIDDHIVINAYAK ENG.CORPORTION.

IF ANY DOUBT ASK



Client: TRAVEL FOOD SERVICE PVT LTD

ARCHITECTS :

ELE.CONTRACTOR : ARROW ELECTRICALS

TITLE: MAIN LT PANEL

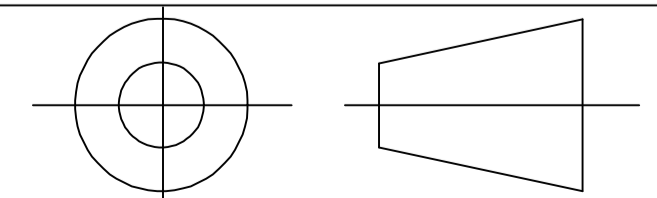
CONSULTANT : MEPTTEK CONSULTANTS

Project: THE IRISH HOUSE WAKAD PUNE

SUB TITLE: GA.DWG.FOR MAIN LT PANEL

R  
00

Drn	RAJENDRA	13.12.2023	Drawing No.	Scale	N.T.S
Chkd.	DHARMENDRA	13.12.2023	SSEC - 0212/2023-24	Ref.	----
Appd.				Sheet	3 OF 4



Third Angle Projection

Rev.No. Drn Chkd.

Date

Revisions 'Details'

ALL DIMENSIONS ARE IN mm

SSEC

SHREE SIDDHIVINAYAK ENGINEERING CORPORTION



A

8

7

6

5

D

E

F

B

B

C

D

E

F

3

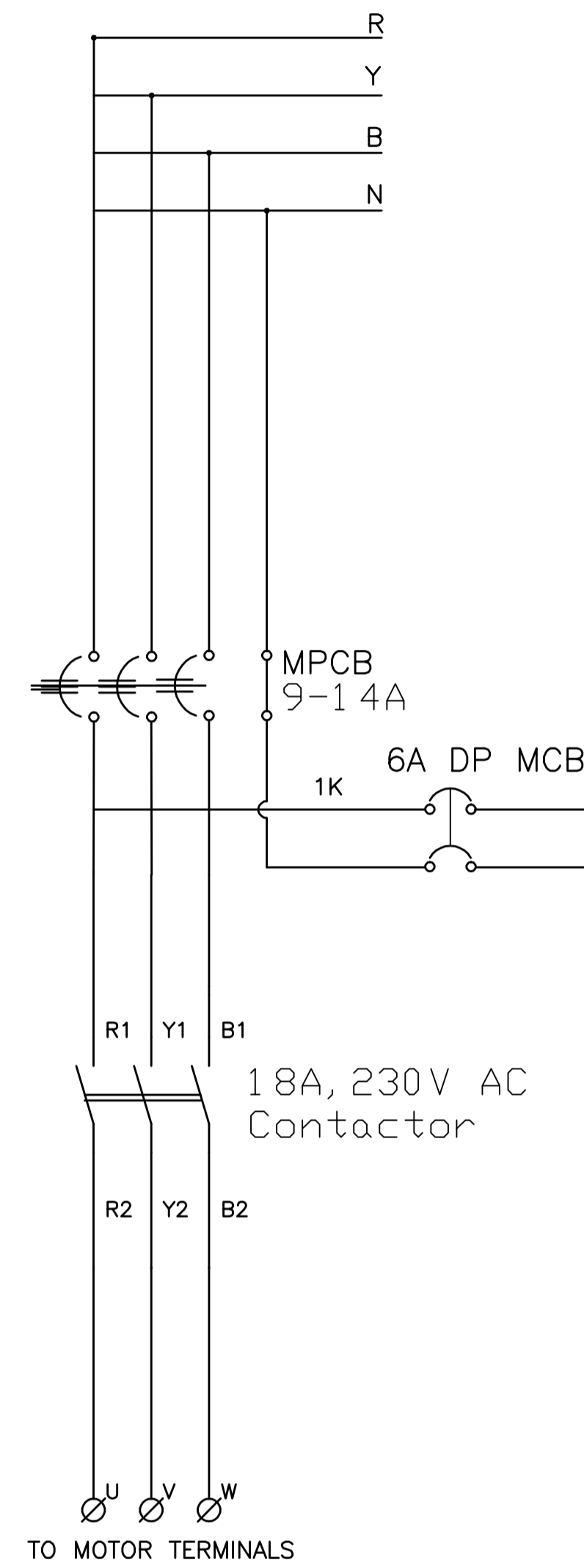
2

1

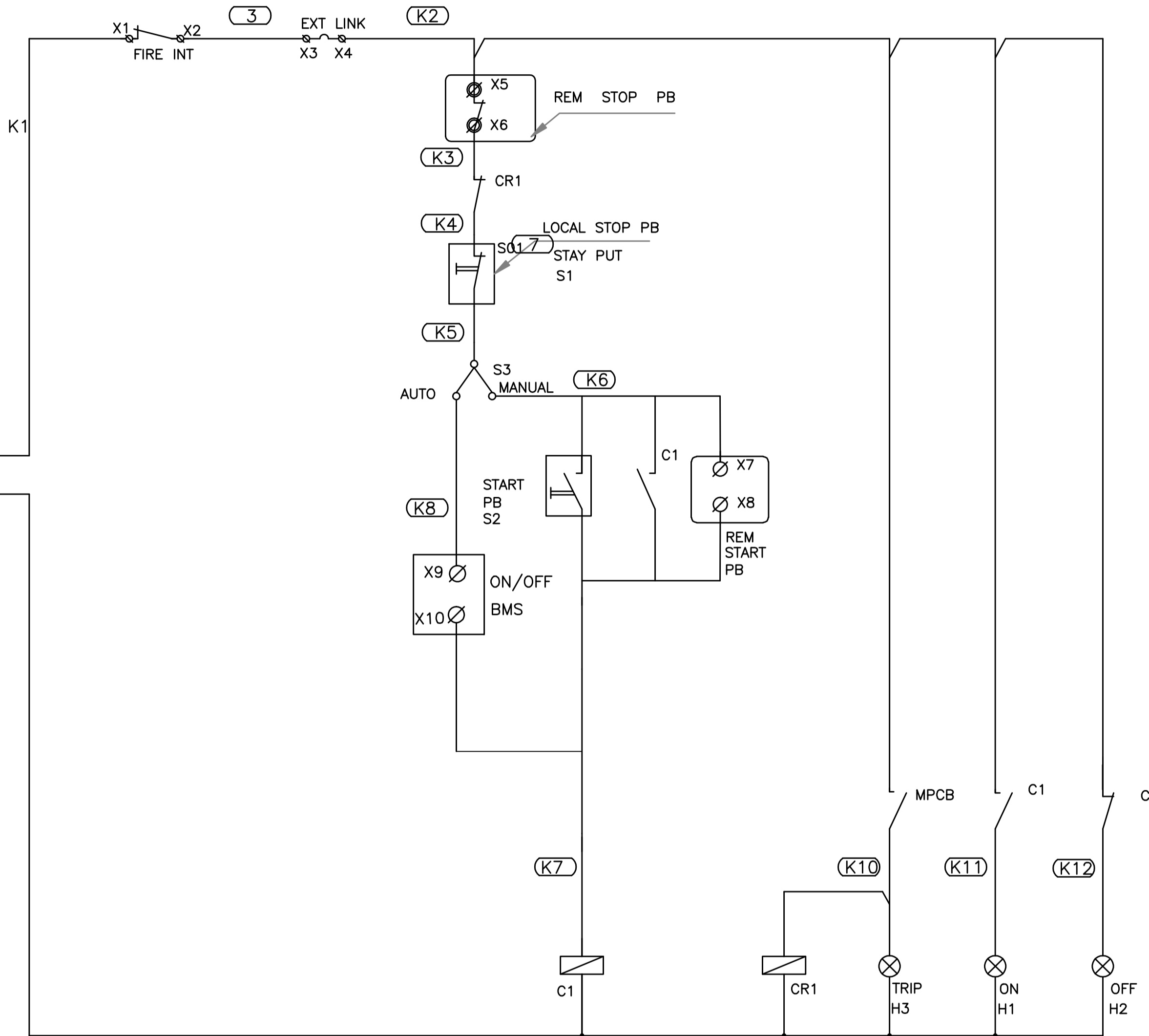
This drawing is the property of SHREE SIDDHIVINAYAK ENG.CORPORATION. it must not be disclosed, copied or lent to third party without written consent of SHREE SIDDHIVINAYAK ENG.CORPORATION.

IF ANY DOUBT ASK

### POWER CIRCUIT


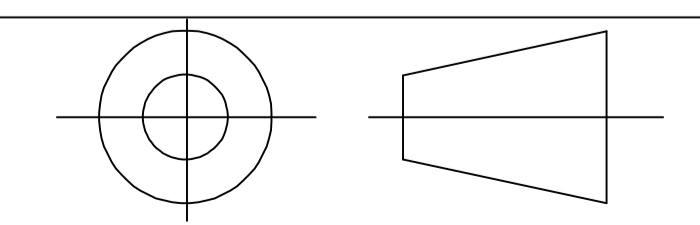


### CONTROL CIRCUIT



'A'	Wire Size.	Terminal.
6 TO 20A	2.5 Sq.mm	CTS6
32A	6 Sq.mm	CTS10
25A	4 Sq.mm	CTS10
40A	10 Sq.mm	CTS16
63A	16 Sq.mm	CTS25

10 SQ.mm Ter.				6 SQ.mm Ter.																					
R	Y	B	N	U1	V1	W1	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15	X16	X17	X18	
Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	
INCOMING POWER				TO MOTOR				FIRE INTER LOCK		EXT LINK		REM STOP PB		REM STARTS PB		ON/OFF BMS		AM STATUS		ON STATUS		OFF STATUS		TRIP STATUS	

Client: TRAVEL FOOD SERVICE PVT LTD				TITLE: MAIN LT PANEL				SUB TITLE: SLD.DWG.FOR DOL				R 00									
ARCHITECTS :				CONSULTANT : MEPTTEK CONSULTANTS								Drn		RAJENDRA	13.12.2023	Drawing No.		Scale		N.T.S	
ELE.CONTRACTOR : ARROW ELECTRICALS				Project: THE IRISH HOUSE WAKAD PUNE								Chkd.		DHARMENDRA		13.12.2023		SSEC - 0212/2023-24		Ref.	
				Rev.No.		Drn		Chkd.		Date		Revisions 'Details'		Appd.		SSEC		SHREE SIDDHIVINAYAK ENGINEERING CORPORATION			
8				7		6		5		4		3		2		1					

ALL DIMENSIONS ARE IN mm



1	MAIN LT PANEL		
Sr. No.	Item	Make	Qty.
	<b>MAIN INCOMER</b>		
	125A FP MCCB 25KA	Schnider	1
	Handal	Schnider	1
	Spreaders	Schnider	2
	SHUNT TRIP	Schnider	1
	Indication contacts	Schnider	2
	MF METER RS485	SELEC	1
	ELR WITH CBCT	SELEC	1
	SPD 40KA	PHONIX	1
	R,Y,B Phase Indicating Lamp	SUMO	1
	6A SP-C 10KA MCB	Schnider	6
	125A CT 5VA CAST RESIN	ME / RIHAB	3
	<b>OUTGOING FOR UPS INPUT</b>		
	32A SP MCB	Schnider	1
	<b>OUTGOING FOR LDB</b>		
	32A FP MCB	Schnider	1
	<b>OUTGOING FOR PDB</b>		
	32A FP MCB	Schnider	1
	<b>OUTGOING FOR DISH WASHER</b>		
	63A FP MCB	Schnider	1
	<b>OUTGOING FOR BAR DB</b>		
	63A FP MCB	Schnider	1
	<b>OUTGOING FOR AHU UNIT - 1</b>		
	32A FP MCB	Schnider	1
	<b>OUTGOING FOR AHU UNIT - 2</b>		
	32A FP MCB	Schnider	1
	<b>OUTGOING FOR 5.5KW KICTHEN EXHAUST FAN</b>		
	9 - 14A MPCB	Schnider	1
	18A,230V AC Contactor	Schnider	1
	6A SP-C 10KA MCB	Schnider	1
	Adden Block 2NO + 2NC	Schnider	1
	MOTOR 230V AC LED Type ON,OFF,Trip Status	SUMO	1
	Start Push Button.	Teknic	1
	Stop Push Button.	Teknic	1
	NO Element	Teknic	4
	NC Element	Teknic	2
	<b>OUTGOING FOR 5.5KW FRESH AIR FAN</b>		
	9 - 14A MPCB	Schnider	1
	18A,230V AC Contactor	Schnider	1
	6A SP-C 10KA MCB	Schnider	1
	Adden Block 2NO + 2NC	Schnider	1
	MOTOR 230V AC LED Type ON,OFF,Trip Status	SUMO	1
	Start Push Button.	Teknic	1
	Stop Push Button.	Teknic	1
	NO Element	Teknic	4
	NC Element	Teknic	2
	<b>OUTGOING FOR KP DB</b>		
	63A FP MCB	Schnider	1
	<b>OUTGOING FOR SPARE</b>		
	63A FP MCB	Schnider	1
	<b>OUTGOING FOR SPARE</b>		
	32A FP MCB	Schnider	1



CPRI

**(Member of STL)**

P.B.NO.8066, SADASHIVANAGAR POST OFFICE  
SIR C.V.RAMAN ROAD, BANGALORE - 560 080 (INDIA)  
Phone: +91 (0) 80 – 23602662 Fax: +91 (0) 80 – 23601213



T-0010

Sheet 1 of 1

**Provisional Report**

**Test Report Number** SC10293A **Date:** 13.09.2015

**Name & Address of the Customer / Manufacture** M/s.Shree Siddhivinayak Engineering Corporation.  
A3, Panchavati Dham Chs.,  
Shiv Vallabh Road,Ashokvan,Nr.Sai Mandir,  
Dahisar (E), Mumbai – 400 068.

**Test sample** 415 V 4000 A LT Panel  
**Type** Indoor  
**Designation** PCC LT Panel  
**Serial number** ---  
**Sample number** SC10S0943  
**Rated voltage** 415 V a c  
**Rated insulation voltage** 660 V rms  
**Rated current** 4000 A  
**No of phases** Three & Neutral  
**Rated frequency** 50 Hz

**Rated short – time withstand & peak withstand current** 50 kA rms for 1.0 second & 105 kA peak on phase bus-bars  
30 kA rms for 1.0 second & 63 kA peak on neutral bus-bar

**Drawing number(s)** SSEC-15-16. SHT. No. 1 OF 2 &  
SSEC-15-16. SHT. No. 2 OF 2 (Two)

**Test conducted** Verification of the short-circuit withstand strength  
**Test as per** Sub-clause 8 2 3 of IS 8623 (Part 1) 1993 / IEC Pub 439-1 (1985)  
(Reaffirmed 2004)  
**Rating for which tested** 49.89\*kA rms for 1.08 seconds & 124.26 kA peak on phase bus-bars  
[\* Equivalent to 50.81 kA rms for 1.0 seconds]  
31.78 kA rms for 1.08 seconds & 81.95 kA peak on neutral bus-bar  
**Test date** 28<sup>th</sup> April, 2018

**Dielectric test after verification of the short – circuit withstand strength test**

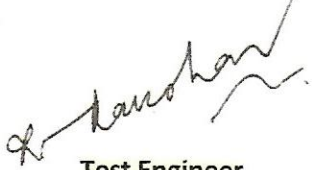
Withstood power frequency high voltage of 2.5 kV rms for 1.0 minute.

**Physical Inspection**

**Condition of bus-bars** No visible damage or deformation of bus-bars  
**Condition of supports** Intact  
**Condition of fine wire fuse** Intact

**Witnesses**

**Customer's representative** Mr.Murthy Pillai

  
**Test Engineer**



# ELECTRICAL APPLIANCES TECHNOLOGY DIVISION

## CENTRAL POWER RESEARCH INSTITUTE

P.B.NO.8066, SADASHIVANAGAR P.O.

SIR C.V.RAMAN ROAD, BANGALORE - 560 080 (INDIA)

Phone: +91 (0) 80 - 23604572 Fax: +91 (0) 80 - 23601213



NABL Accredited

Laboratory  
Certificate No.T-0010

CPRI

Sheet 1 of 3

### TEST REPORT

Date: 13.12.2015

Test Report Number: 323EATDIP10S0178

**Name & Address of the Customer** : M/s.Shree Siddhivinayak Engineering Corporation.  
A3,Panchvati Dham Chs.,  
Shiv Vallabh Road,ASHokvan,Nr.Sai Mandir,  
Dahisar (E),Mumbai - 400 068.

**Name & Address of the Manufacturer** : M/s.Shree Siddhivinayak Engineering Corporation.  
A3,Panchvati Dham Chs.,  
Shiv Vallabh Road,ASHokvan,Nr.Sai Mandir,  
Dahisar (E),Mumbai - 400 068.

#### Particulars of sample tested

Condition of the sample on Receipt : New (Empty panel with only terminal block mounted inside)  
Type : Indoor and Outdoor  
Designation : PDB LT Panel  
Serial Number : -Nil-  
Number of samples tested : One only  
Date (s) of Test (s) : 09.12.2015 & 10.12.2015  
CPRI sample code no (s) : EATDIP10S0178

#### Particulars of tests conducted

Test in accordance with : IP 55 Test as per IS/IEC 60947-1:2004  
Standard / specification : Not applicable  
Sampling Plan : IP 55 (IP 5X as Category-2)  
Customer's requirement : Test as per IS/IEC 60947-1:2004.  
Insulation Resistance Test at 500V DC and  
Power Frequency High Voltage Test at 2.5kV AC-to be  
applied for one minute between all terminals of terminal  
block shorted together and body; to be conducted before  
and after IP test.

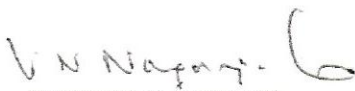
Deviations if any : -Nil-

#### Name of the witnessing persons

Customer's representative : Mr.Murthy Pillai  
Other than customer's representatives : -Nil-  
Test subcontracted with :  
Address of the laboratory : None

#### Documents constituting this report (In words)

Number of sheets : Three Only  
Number of oscillograms : -Nil-  
Number of graphs : -Nil-  
Number of photos : -Nil-  
Number test circuit diagrams : -Nil-  
Number of drawings : One only.Drg.No.SSEC/IP55/15-16,Rev 0,Sheet 1 of 1.

  
(NAGARAJA RAO V.N)  
TEST ENGINEER



AUTHORISED SIGNATORIES

  
(V.N.NANDAKUMAR)  
ADDITIONAL DIRECTOR