

IF ANY DOUBT ASK

3

2

1

**1. CONSTRUCTION DETAILS**

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

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

- [a] MAIN BODY — 1.6mm
- [b] MOUNTING PLATE — 2mm
- [c] PARTITION — 1.6mm
- [d] DOORS & COVERS — 1.6mm
- [e] GLAND PLATE — 2mm
- [f] BASE FRAME — MS

**3. PAINTING PROCESS**

- [a] TYPE OF PAINT — POWDER COATING STRUCTURE FINISHED
- [b] TREATMENT — 7 TANK PRETREATMENT PROCESS
- [c] SHADE INSIDE — SIEMENS GREY RAL 7035 (60-80 MICRONS)
- [d] SHADE OUTSIDE — SIEMENS GREY RAL 7035 (60-80 MICRONS)
- [e] MOUNTING & MCB PLATE — SIEMENS GREY RAL 7035 (60-80 MICRONS)
- [f] SHADE BASE FRAME — BLACK

**4. ENCLOSURE PROTECTION — IP-42 [ SUITABLE FOR INDOOR ]**

**5. DOOR**

- [a] FEEDER & CABLE ALLEY — KEY OPERTED 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 — ALUMINUM 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
200A MCCB	25X10	25X6
63A MCCB	25X6	25X6

**8. EARTHING**

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

**9. HARDWARE — PLATED**

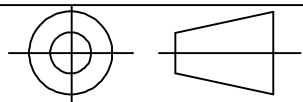

**10. NAME PLATE**

- ALUMINIUM, ENGRAVED TYPE
- WHITE LETTER, BLACK BACKGROUND

**11. WIRING**

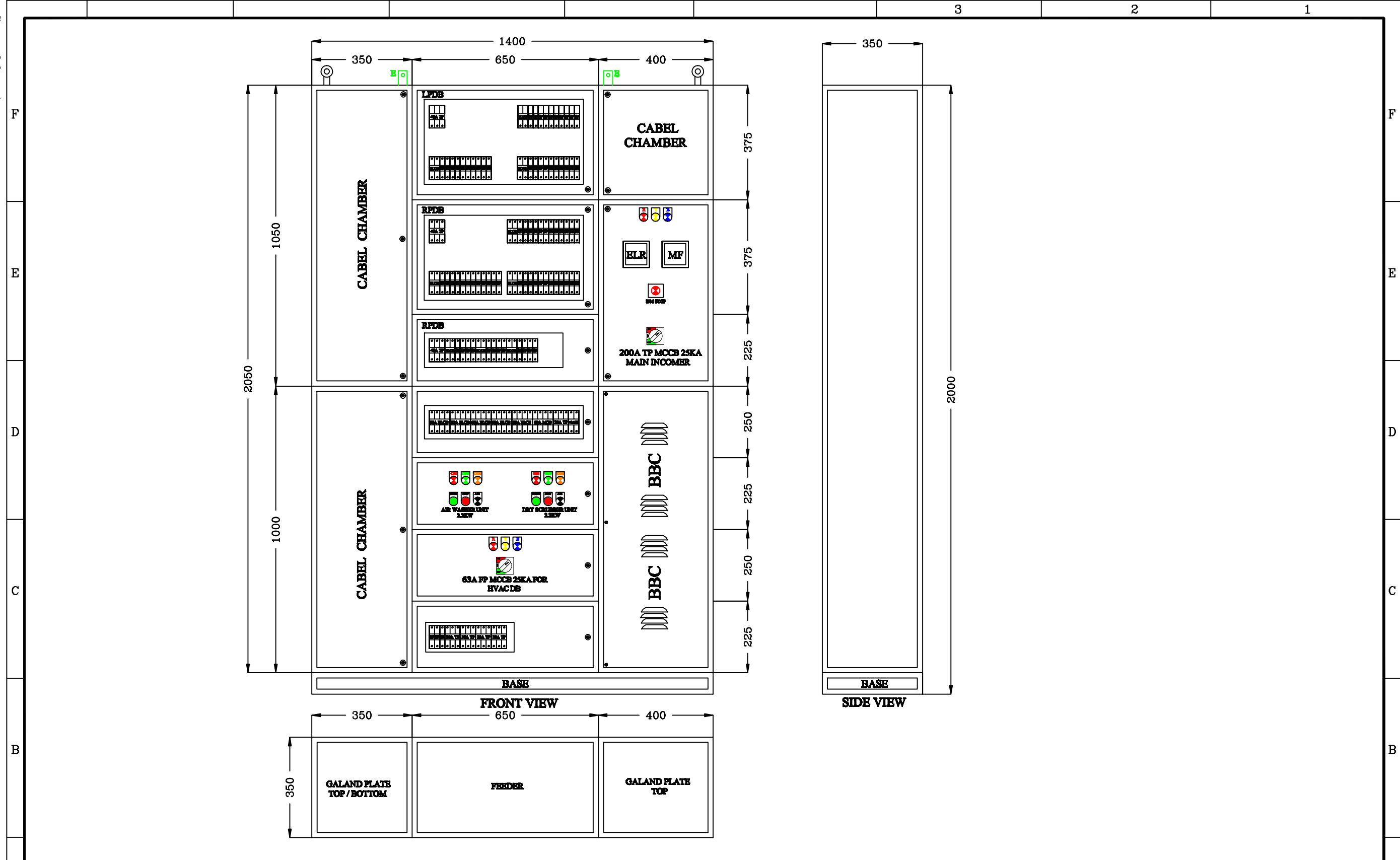
- [a] MAKE — POLYCAB FRLSH
- [b] WIRE TYPE — PVC INSULATED FLEXIBE COPPER WIRE
- [c] COLOUR — GREY WITH COLOUR SLEEVE AS PER PHASE (R/Y/B/N)
- [d] CONTROL WIRING — 1. SQ.MM. GREY COLOUR PVC COPPER WIRE FRLSH
- [e] CT WIRING — 2.5 SQ.MM. GREY COLOUR PVC COPPER WIRE FRLSH
- [f] POWER WIRING — 4 SQ.MM.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

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: DETALIS FOR MAIN LT PANEL			R 00		
ARCHITECTS :		CONSULTANT: MEPTEK CONSULTANTS								
ELE.CONTRACTOR : ARROW ELECTRICALS		Project: KFC - FC - IGI- AIRPORT DELHI			Drn	RAJENDRA	05.06.2024	Drawing No.	Scale	N.T.S
 <p>Third Angle Projection</p>		Rev.No.	Drn	Chkd.	Date	Revisions 'Details'		Ref.	Sheet	1 OF 3
		ALL DIMENSIONS ARE IN mm					<b>SHREE SIDDHIVINAYAK ENGINEERING CORPORTION</b>			

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 : MEPTEK CONSULTANTS																		
ELE.CONTRACTOR : ARROW ELECTRICALS			Project: KFC - FC - IGI- AIRPORT DELHI			Drn	RAJENDRA	05.06.2024	Drawing No.	Scale	N.T.S										
<p>Third Angle Projection</p>			<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'						Chkd.	DHARMENDRA	05.06.2024	SSEC - 2205/2024-25	Ref.	---
						Rev.No.	Drn	Chkd.	Date	Revisions 'Details'											
Appd.					Sheet	2 OF 3															
			ALL DIMENSIONS ARE IN mm			<b>SHREE SIDDHIVINAYAK ENGINEERING CORPORTION</b>															





CPRI

SHORT CIRCUIT LABORATORY  
CENTRAL POWER RESEARCH INSTITUTE  
(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



CPRI

# 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

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 Standard / specification : IP 55 Test as per IS/IEC 60947-1:2004

Sampling Plan : Not applicable

Customer's requirement : IP 55 (IP 5X as Category-2)  
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 : None

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