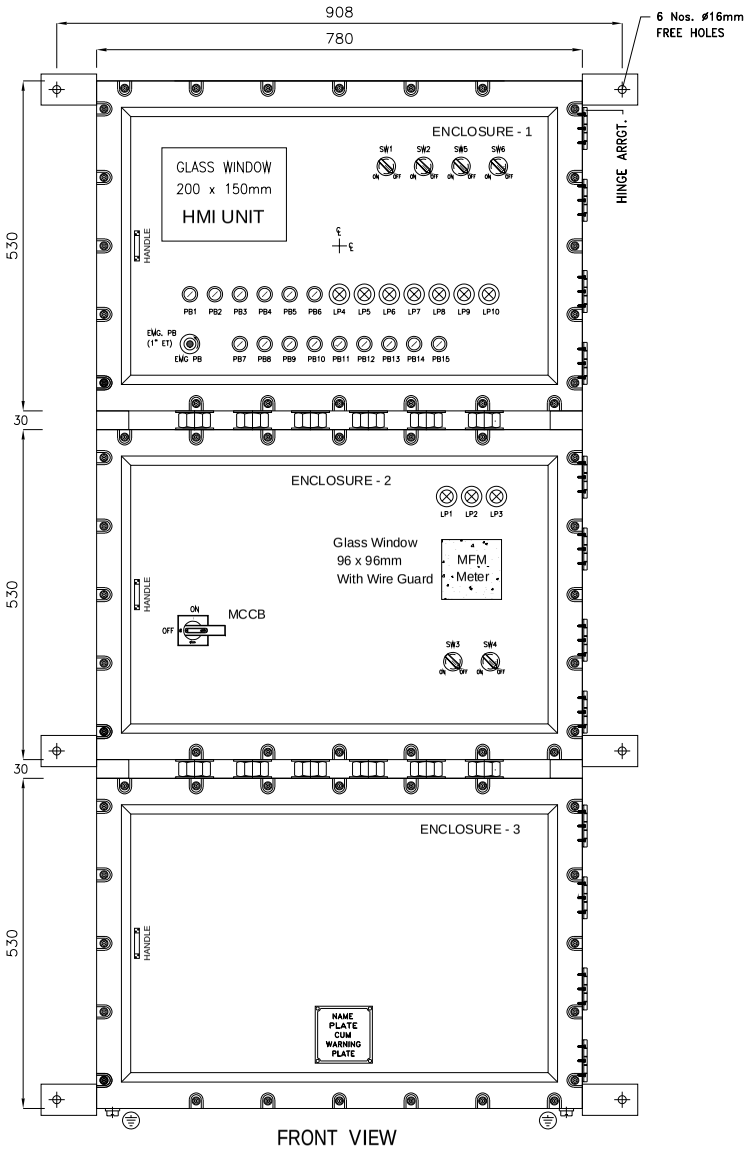
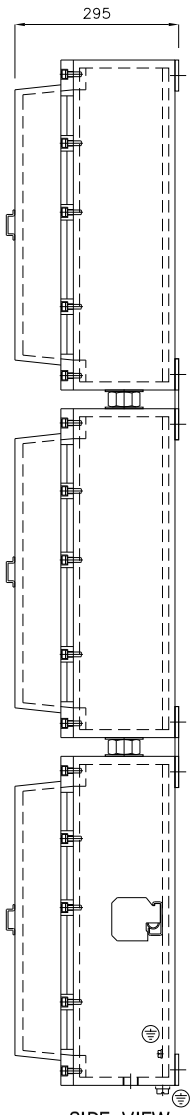
FILE No. : DRAWING-2023/STD. G.A./RCP221-CP

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.



FRONT VIEW



SIDE VIEW

Reference IS/IEC Standard as follows :

1 - FLAMEPROOF (Ex d) PROTECITON - IIA/IIB, IS/IEC 60079-1 (2014)
. . TEMPERATURE CLASS - T6
2 - INGRESS (IP) PROTECITON - IP:66, IS/IEC 60529 (2001). (Reaffirmed 2014)

Standard Specification :

1 - MATERIAL - CAST ALUMINIUM ALLOY
2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS:5
3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
4 - HARDWARE - STAINLESS STEEL
5 - GASKET - NEOPRENE RUBBER GASKET
6 - MOUNTING ARRGT. - AS SHOWN IN DRG.

Material / Components Specification :

1 - INTERNAL SIZE OF ENCLOSURE : 750 x 500 x 250mm &
. . OPENING SIZE : 700 x 455mm
2 - M.S. PLATE OF 700 x 470 x 2mm Thk. WITH WHITE EPOXY POWDER
. . COATING WILL BE PROVIDED
3 - SWITCH - 1 No. 10A, SP, 2 WAY, WITH (CENTER OFF) 'KAYCEE' MAKE
. . & 5 Nos. 10A, SP, WITH (CENTER ON) SWITCH OF 'RECOM' MAKE
4 - INDICATING LAMP - 10 Nos. LED TYPE INDICATING LAMP OF 'SUDHIR/
. . TEKNIC/VAISHNO' MAKE
5 - GLASS - FLAT HEAT RESISTANCE CLEAR TOUGHENED 'TYPE-A'
. . (WITH M.S. WHITE EPOXY POWDER COATING)
6 - ELEMENT - 16 Nos. 10 Amp., 415V AC, CONTACT ELEMENT OF 'SUDHIR'
. . MAKE WITH 15 No. SPRING RETURN TYPE PUSH BUTTON ACTUATOR &
. . 1 No. MUSHROOM HEAD PRESS TO 'STOP' & REVERSE TURN TO RELEASE
. . TYPE ACTUATOR OF 'SUDHIR' MAKE
7 - CABLE GLAND - (FLP-WP) BRASS NICKEL PLATED DOUBLE
. . COMPRESSION TYPE CABLE GLAND/(FLP) M.S. STOPPING PLUG OF
. . 'SUDHIR' MAKE (AS PER CUSTOMERS REQUIREMENT AT EXTRA COST)
. . ----------
===> INTERNAL ELECTRICAL/ELECTRONIC COMPONENTS (EXCEPT ABOVE
. . MENTIONED) a) MCCB, HMI UNIT, MFM METER, etc.... DETAIL TO BE SPECIFIED
. . BY CLIENT
. . .
. . .
. . .
. . .

NOTE :

- COMPONENT LAYOUT IS TENTATIVE RELOCATION OF PARTS & COMPONENTS IS POSSIBLE AT THE TIME OF ACTUAL MANUFACTURING.
- OVERALL DIMENSIONS ARE ±10mm

REV.	DATE	DESCRIPTION	DRN.	CHKD.	APPD.
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CAT. No. RCP/221		
MODEL No.: RCP/221/CP		
DRN.	prafull	
CHKD.	AKSHAY	
APPD.	.	
SHEET 1 OF 1		
SCALE	N. T. S.	REV.- 0

SUDHIR®

SUDHIR SWITCHGEARS PVT. LTD.

130, MUMBAI SAMACHAR MARG, MUMBAI - 400 023

TITLE : FLAMEPROOF-WEATHERPROOF ENCLOSURE FOR CONTROL PANEL

CMRI. CERT. No.	PESO No. :	BIS LICENCE No. :
IN/CIMFR/TR21/R/H187 Dt. 17/08/2021	P541015/1 Dt. 19/07/2022	CM/L-0003931365

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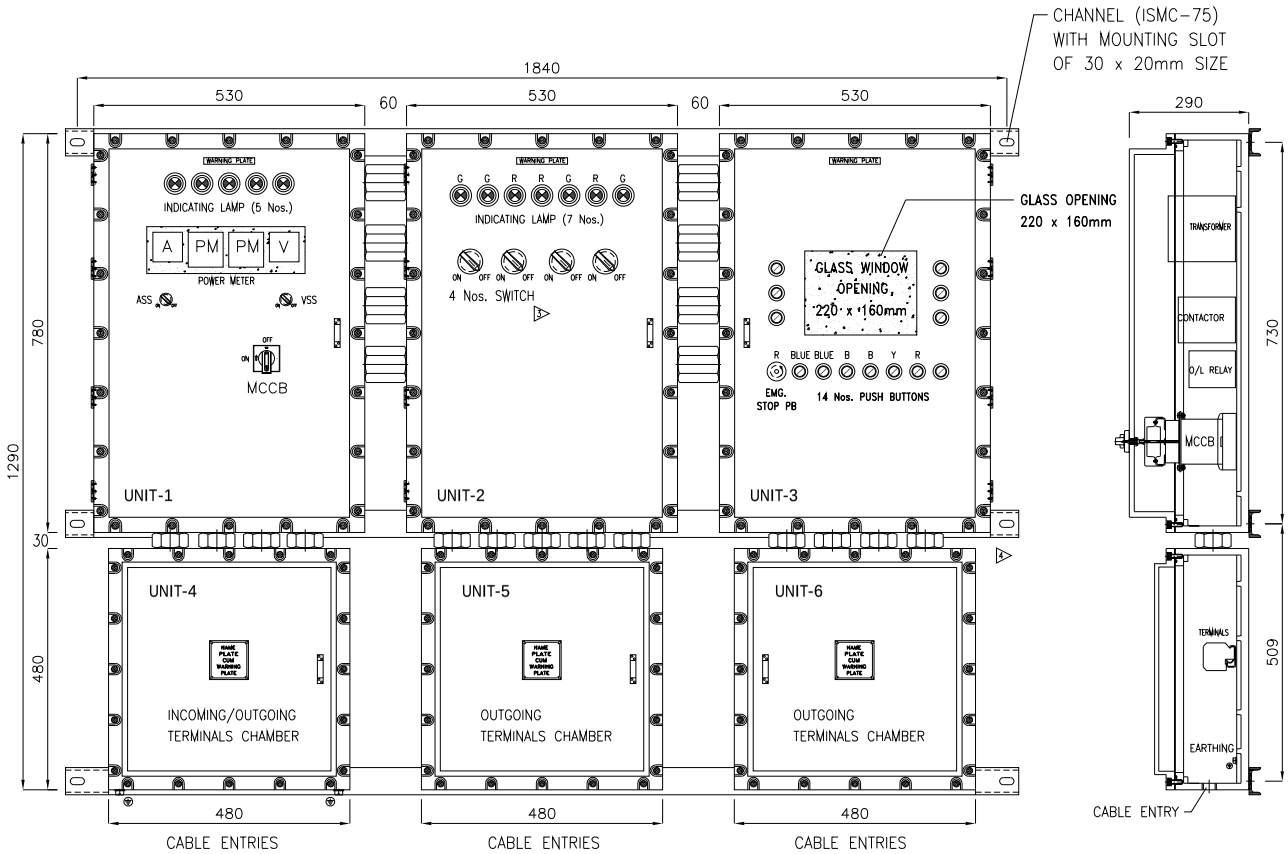

FRONT VIEW

SIDE VIEW

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Standard Specification :

1 - MATERIAL - CAST ALUMINIUM ALLOY
2 - FINISH - INSIDE & OUTSIDE LIGHT GREY EPOXY POWDER COATING SHADE No. 631 AS PER IS:5
3 - EARTHING - 1 No. INSIDE & 2 Nos. OUTSIDE M6 SIZE S.S./BRASS SCREWS WITH 2 Nos. PLAIN WASHER
4 - HARDWARE - STAINLESS STEEL
5 - GASKET - NEOPRENE RUBBER GASKET
6 - MOUNTING ARRGT. - AS SHOWN IN DRG.

Material / Components Specification :

1 - INDICATING LAMP - 12 Nos. 230V AC LED TYPE INDICATING LAMP OF 'TEKNIC'
. . MAKE (GREEN COLOUR)
2 - ELEMENT - 14 Nos. 10 Amp. 415V AC, 1NO+1NC ELEMENT OF 'TEKNIC' MAKE
3 - CABLE ENTRIES - AS SHOWN IN DRAWING
4 - ACTUATOR - 1 No. RED MUSHROOM HEAD PRESS TO 'STOP' & REVERSE TURN TO
. . RELEASE TYPE & 13 No. SPRING RETURN TYPE ACTUATOR OF 'SUDHIR' MAKE
5 - SWITCH - 4 Nos. 10 Amp. ON-OFF SELECTOR SWITCH OF 'RECOM' MAKE
6 - SWITCH - 2 Nos. 6 Amp. SWITCH OF 'RECOM' MAKE (for AMMETER & VOLTMETER)
7 - PROVISION FOR 1 No. MCCB MOUNTING (MCCB 'CUSTOMERS' SCOPE)
8 - GLASS - FLAT HEAT RESISTANCE CLEAR TOUGHENED GLASS
9 - AMMETER - 1 No. 72 x 72sq. mm, 0-400-2400 Amp. OF 'MECO' MAKE
10 - VOLTMETER - 1 No. 72 x 72sq. mm (0-500V) VOLTMETER OF 'MECO' MAKE
11 - POWER METER - 2 Nos. 96 x 96sq. mm POWER METER (NOT IN 'SUDHIR
. . SWITCHGEARS) SCOPE
. . ----------
===> INTERNAL ELECTRICAL/ELECTRONIC COMPONENTS (EXCEPT ABOVE MENTIONED)
. . a) MCCB, HMI UNIT, MFM METER, etc.... DETAIL TO BE SPECIFIED BY CLIENT
===> M.S. PLATE WITH WHITE EPOXY POWDER COATING WILL BE PROVIDED IN
. . UNIT-1, 2, 3 & 4.
. . .
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NOTE :

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CAT. No. RCP/221		
MODEL No.: RCP/221/CP		
DRN.	prafull	
CHKD.	AKSHAY	
APPD.	.	
SHEET 1 OF 1		
SCALE	N. T. S.	REV.- 0

SUDHIR® SUDHIR SWITCHGEARS PVT. LTD.
130, MUMBAI SAMACHAR MARG, MUMBAI - 400 023

TITLE : FLAMEPROOF-WEATHERPROOF ENCLOSURE FOR CONTROL PANEL

CMRI. CERT. No.	PESO No. :	BIS LICENCE No. :
IN/CIMFR/TR21/R/H187 Dt. 17/08/2021	P541015/1 Dt. 19/07/2022	CM/L-0003931365

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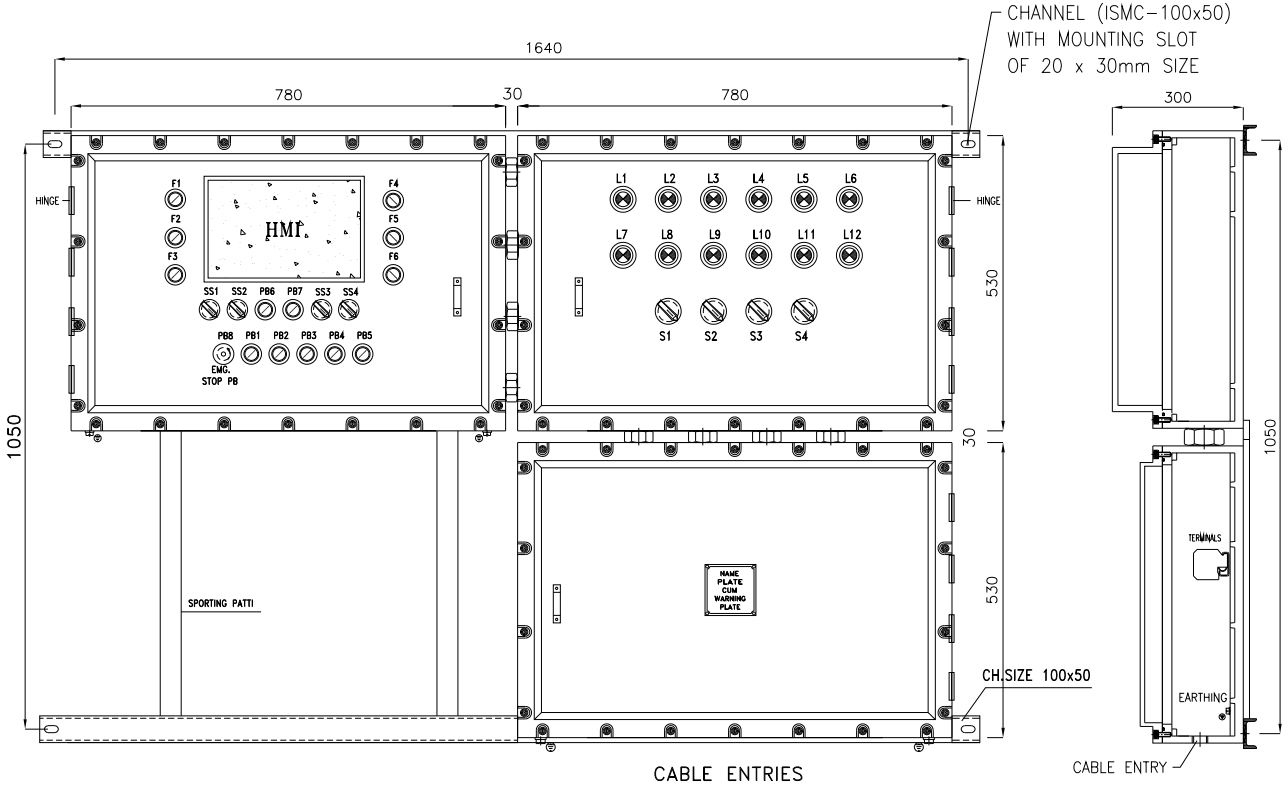

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===> M.S. PLATE WITH WHITE EPOXY POWDER COATING WILL BE PROVIDED IN ENCLOSURE

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SHEET 1 OF 1		
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