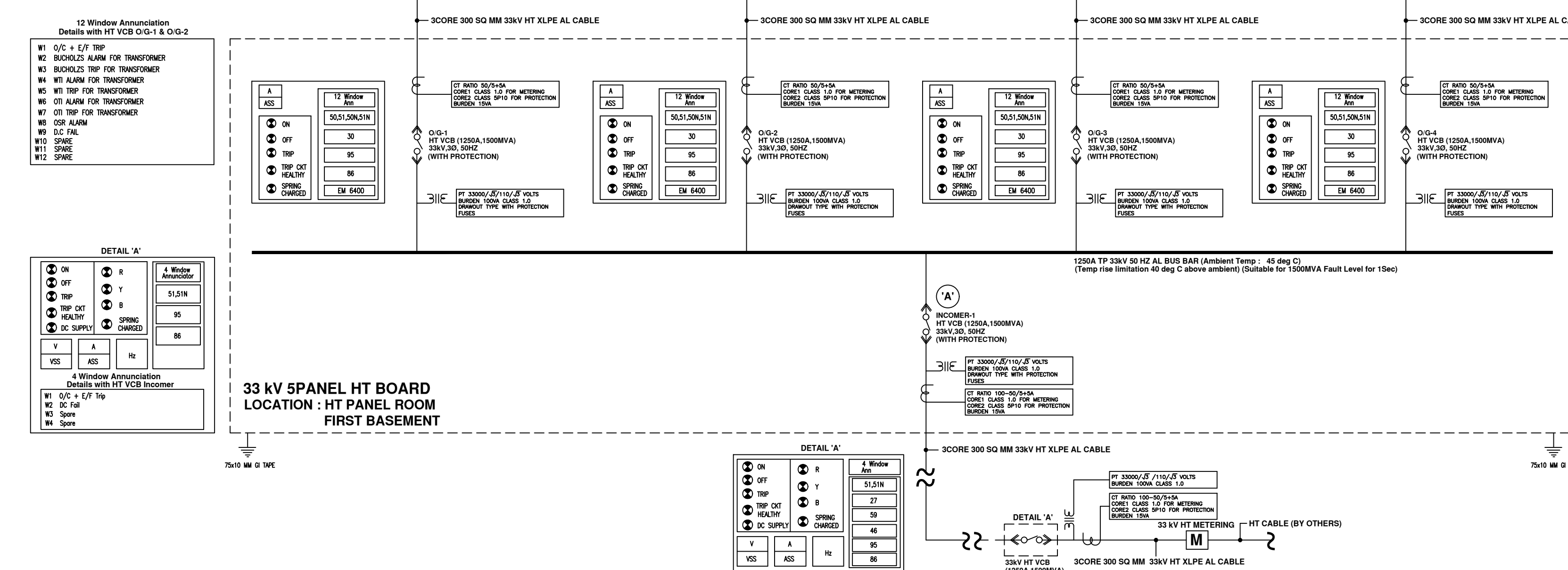
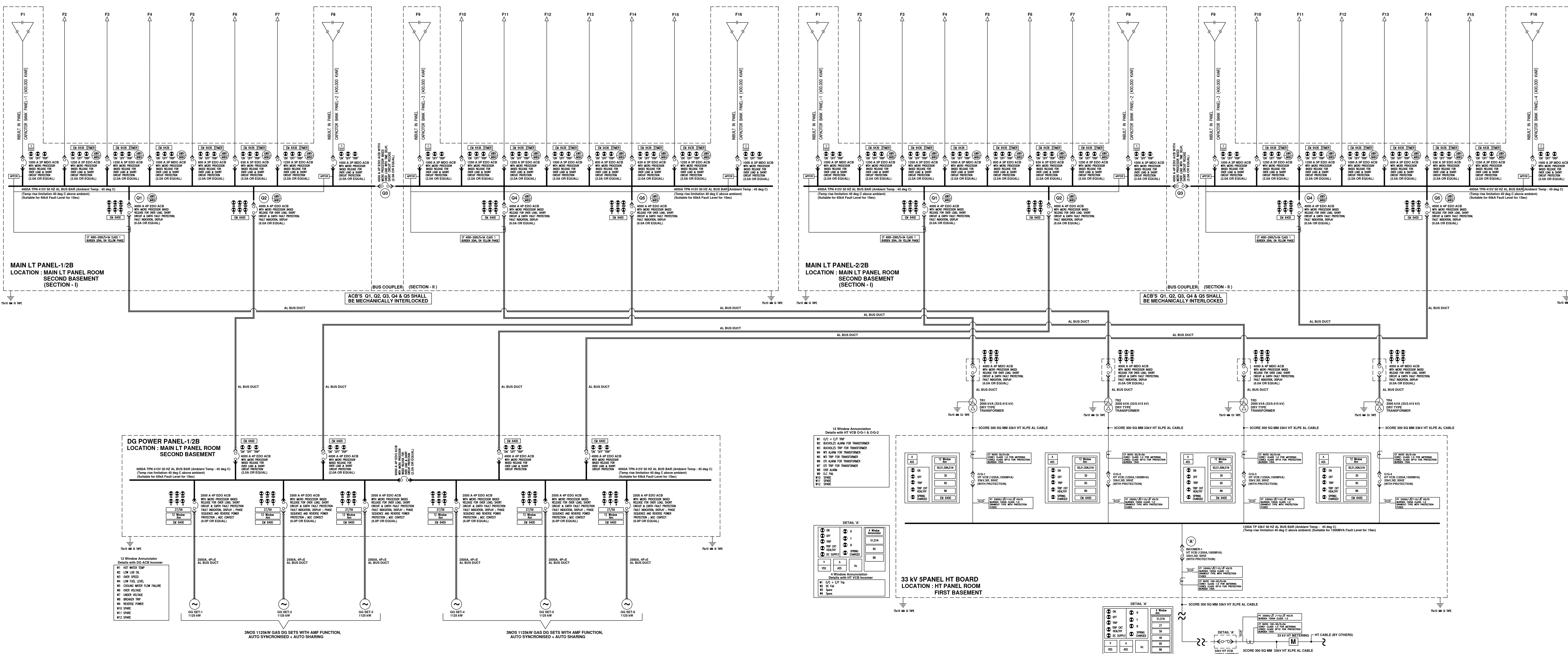




GENERAL NOTES WHEREVER APPLICABLE		
NO.	DESCRIPTION	REMARKS
1.	FRAMES/ALLOY DOORS - 2MM THICK, SMALL DOORS/COVERS/WRITINGS - 1.6MM THICK, SHIELD/PLATE - 2.5MM THICK OR EA	
2.	PAINT	POWER COATED, COLOURED GREY, SHADE RAL-7032 THROUGHOUT STRUCTURED FINISH (TRANSFORMER & DG FEEDERS TO HAVE SEPARATE COLOURS FOR IDENTIFICATION IN BLUE FOR TR & DRINKING FOR DG SETS)
3.	NEAR ACCESS	REQUIRED
4.	BUS BAR SIZE	AS INDICATED IN SLD
5.	BUS BAR	ELECTROLYTIC ALUMINIUM (CONDUCTIVITY NOT LESS THAN 65%) COVERED WITH COLOUR CODED HEAT SHRINK SLEEVES
6.	EARTH BUS	50MM X 10MM AL FOR FLOOR MOUNTED PANELS/STUDS FOR WALL MOUNTED PANELS
7.	CONTROL WIRING (1.5 SQ MM)	PVC INSULATED FLEXIBLE COPPER (2.5 SQ MM FOR CT SECONDARY) (COLOUR IDENTIFICATION REQUIRED FOR DIFFERENT CKTS)
8.	POWER WIRING	ALUMINIUM FLATS TO BE USED FOR 100 AMPS AND ABOVE
9.	CABLE ALLEY DOOR	HINGED WITH 3PIN LOCK (DOOR WITH LIMITED TO 600MM), 2 DOORS TO BE PROVIDED FOR CABLE ALLEY WITH EXCEEDING 600MM
10.	FEEDER COMP. DOOR	HINGED WITH CHROME PLATED LOCKS.
11.	BUS BAR SUPPORT	SMC
12.	DEGREE OF PROTECTION	IP52 (LT PANEL); IP4X (HT PANEL)
13.	METERS	96 SQ MM X 96 SQ MM DIGITAL TYPE ALONGWITH BUILT-IN SELECTOR SWITCH
14.	CONTROL TERMINALS	MINIMUM 6 SQ MM
15.	CABLE ENTRY	TOP & BOTTOM
16.	PROTECTION & METERING	AS PER BDG / SLD

LEGEND	
NO.	DESCRIPTION
1.	WOLM CIRCUIT BREAKER
2.	AR CIRCUIT BREAKER
3.	DIGITAL VOLTMETER WITH BUILT-IN SELECTOR SWITCH
4.	DIGITAL AMMETER WITH BUILT-IN SELECTOR SWITCH
5.	FREQUENCY METER
6.	HRC FUSES
7.	INDICATION LAMP (LED TYPE)
8.	CURRENT TRANSFORMER
9.	POTENTIAL TRANSFORMER

LEGEND	
NO.	DESCRIPTION
1.	OVER FLOWING RELAY
2.	UNDER & OVER VOLTAGE RELAY
3.	AUXILIARY RELAY
4.	REVERSE POWER RELAY
5.	ACTIVE REVERSE POWER RELAY
6.	REACTIVE REVERSE POWER RELAY
7.	FIELD FAILURE RELAY
8.	UNDER / OVER FREQUENCY RELAY
9.	NEGATIVE PHASE SEQUENCE RELAY
10.	THERMAL OVERLOAD RELAY
11.	VOLTAGE RESTRAINED OVER CURRENT RELAY
12.	1 OVER CURRENT & EARTH FAULT RELAY
13.	2 OVER CURRENT & 1 EARTH FAULT RELAY
14.	50/51.5N
15.	50/51.5N/51.5N

LEGEND	
NO.	DESCRIPTION
1.	NEUTRAL DISCHARGE RELAY
2.	PT FUSE FAILURE RELAY
3.	RESTRICTED EARTH FAULT RELAY
4.	EARTH FAULT RELAY (DICTION)
5.	EARTH FAULT RELAY (STATUS)
6.	DC FAILURE ALARM RELAY
7.	81U/70
8.	UNDER / MASTER TRIP RELAY
9.	DIFFERENTIAL PROTECTION RELAY
10.	DIFFERENTIAL PROTECTION RELAY (TRAF)
11.	87C
12.	TRIP CIRCUIT SUPERVISION RELAY

LEGEND	
NO.	DESCRIPTION
1.	CONCENTRATOR
2.	ENERGY METER
3.	DUAL SOURCE ENERGY METER
4.	DUAL SOURCE ENERGY METER
5.	V, A, Hz, WATT, VAR, PF, WATT-HOUR, COMMUNICATION PORT
6.	4 WINDOW ANNUNCIATOR
7.	5 WINDOW ANNUNCIATOR
8.	12 WINDOW ANNUNCIATOR
9.	16 WINDOW ANNUNCIATOR

LEGEND	
NO.	DESCRIPTION
1.	RELEASE 2.0A
2.	RELEASE 6.0A
3.	RELEASE 6.0P
4.	TCL
5.	TMDL
6.	CU/D
7.	CU/DE

MEP CONSULTANT:

UDAYAN CHAUDHARY & ASSOCIATES PVT. LTD.
40/69, GROUND FLOOR,
CHITRAKUTAN PARK,
NEW DELHI-110015
WEBSITE: www.udayanchaudhary.com
Email: udayanchaudhary@gmail.com

SUBMISSION DRAWING

OWNER:

PROJECT:

PROPOSED (IT/ITES) BUILDING AT
PLOT NO. A-107, SECTOR-153,
NOIDA

DRAWING TITLE:

SCHEMATIC DIAGRAM

DRG No:

ASCE-153-SC-01

SCALE

NTS

DATE

04.05.23

OWNER'S SIGN

ARCHITECT'S SIGN

ACPL

ACPL Design Ltd

DEALT BY

Bhajan

CHECKED BY

SA

IMPORTANT NOTES:
1. ALL ACB'S SHALL BE SUITABLE FOR MIN. 40 KA BREAKING CAPACITY
2. UNLESS OTHERWISE MENTIONED, ALL CABLES SHALL BE ALUMINIUM CONDUCTOR SHIELD INSULATED.
3. CUMULATIVE VOLTAGE DROPT HAS BEEN CONSIDERED AS MAXIMUM 3.5% UP TO 11KV BUS LEVEL FOR ALL FEEDERS.
4. FAULT WITH STAND CAPACITY OF MVA SHALL BE 9 KA FOR 1 SECOND