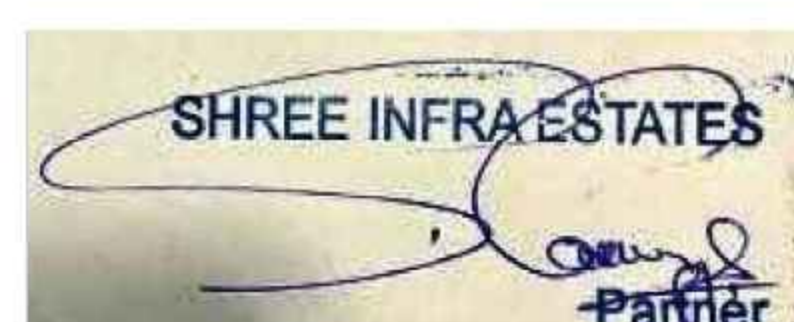




SITE/STILT FLOOR PLAN

EXTERNAL STREET LIGHT LEGEND:-

1.		7.0M GI. OCTAGONAL SUITABLE FOR 45W TO 50W LED STREET LIGHT LUMINAIRE
2.		FLOOD LIGHT
3.		GATE LIGHT
4.		UG CABLE AR. AL.CABLE



ADVANCE COPY FOR RERA SUBMISSION

PROJECT:- PROPOSED APARTMENT BUILDING AT PRAYAGRAJ	OWNER:- MR. RAJESH AGARWAL	BUILDING:- RESIDENTIAL BUILDING	DRAWING TITLE:- EXTERNAL STREET LIGHTING PLAN	Drng. No. RABPRG/EE/02	Scale A1-100	ARCHITECTURAL CONSULTANTS :- MANISH GUJRAL (B. Arch, F.I.V.) TARANA NASEER (B.Arch, M.Plan) Architects and Interior Designers 52/ 25 B MUIR ROAD, ALLAHABAD	Services Consultant :- SHAH & PANT CONSULTING ENGINEERS (P. LTD.) 46/46 HANWARYA CHOURI, BHARATGANJ, LUCKNOW (U.P.) Tel. No. 952-256623 Fax: 952-228423 Cell: 9839612066 HU/007759 Email: shah_pant@yahoo.co.in, Web: www.shahpantconsultingengineers.com
				Date DEC./2025			

ELECTRICAL LOAD SHEET						
Sr. No.	AREA DESCRIPTION	CONNECTED Load KW	DIVERSITY	DEMAND Load KW	REMARK	
A TYPICAL FLOORS- (1ST TO 16TH FLOOR)						
1	3-BHK FLAT-64 @ 15KW EACH	960.00	0.60	576.00		
TOTAL LOAD		960.0 kW		576.0 kW		
B (17TH & 18TH FLOOR)						
1	3-BHK FLAT-2 @ 15KW EACH	30.00	0.60	18.00		
2	4-BHK FLAT-4@ 20KW EACH	80.00	0.60	48.00		
TOTAL LOAD		110.0 kW		66.0 kW		
B OTHER UTILITY LOAD						
1	SERVICE FLOOR (SERVICE/STORE)	25.0 KW	0.5	12.50		
2	BASEMENT FLOORS-(2NOS @10KW EACH)	20.0 KW	0.5	10.00		
3	STILT FLOOR	10.0 KW	0.5	5.00		
4	COMMON AREA LOAD FOR EACH FLOOR @ 1KW	19.0 KW	0.5	9.50		
5	LIFT LOAD-3 NOS @ 12.5KW	37.5 KW	1	37.50		
6	PLUMBING	40.0 KW	0.6	24.00		
7	CLUB HOUSE/GYM AREA	20.0 KW	0.5	10.00		
8	SWIMMING POOL/ELEC LOAD	20.0 KW	1	20.00		
9	OTHER SERVICES	5.0 KW	0.6	3.00		
10	VENTILATION LOAD	50.0 KW	0.5	25.00		
11	EXTERNAL LIGHT	5.0 KW	0.5	2.50		
TOTAL UTILITY LOAD		271.5 KW		169.0 KW		
EQUIPMENT SELECTION						
1 Transformer rating						
Total Expected KW Demand				811.0 KW	5X250KVA TRANSFORMER	
Required KVA rating @ 0.8 power factor & 90% loading				1,126 KVA		
Suggested KVA rating Of Transformer				1,250 KVA		
2 Generator rating						
A DG load @ 10kw for each flats. -70 NOS				700.00	0.65	455.00
B Other utility load						169.00
Total KW Demand						624.0 KW
Total Expected KW Demand						624.0 KW
Required KVA rating @ 0.8 power factor & 85% loading						917.6 KW
Suggested KVA rating Of DG Set						951 KVA

LOAD SHEET

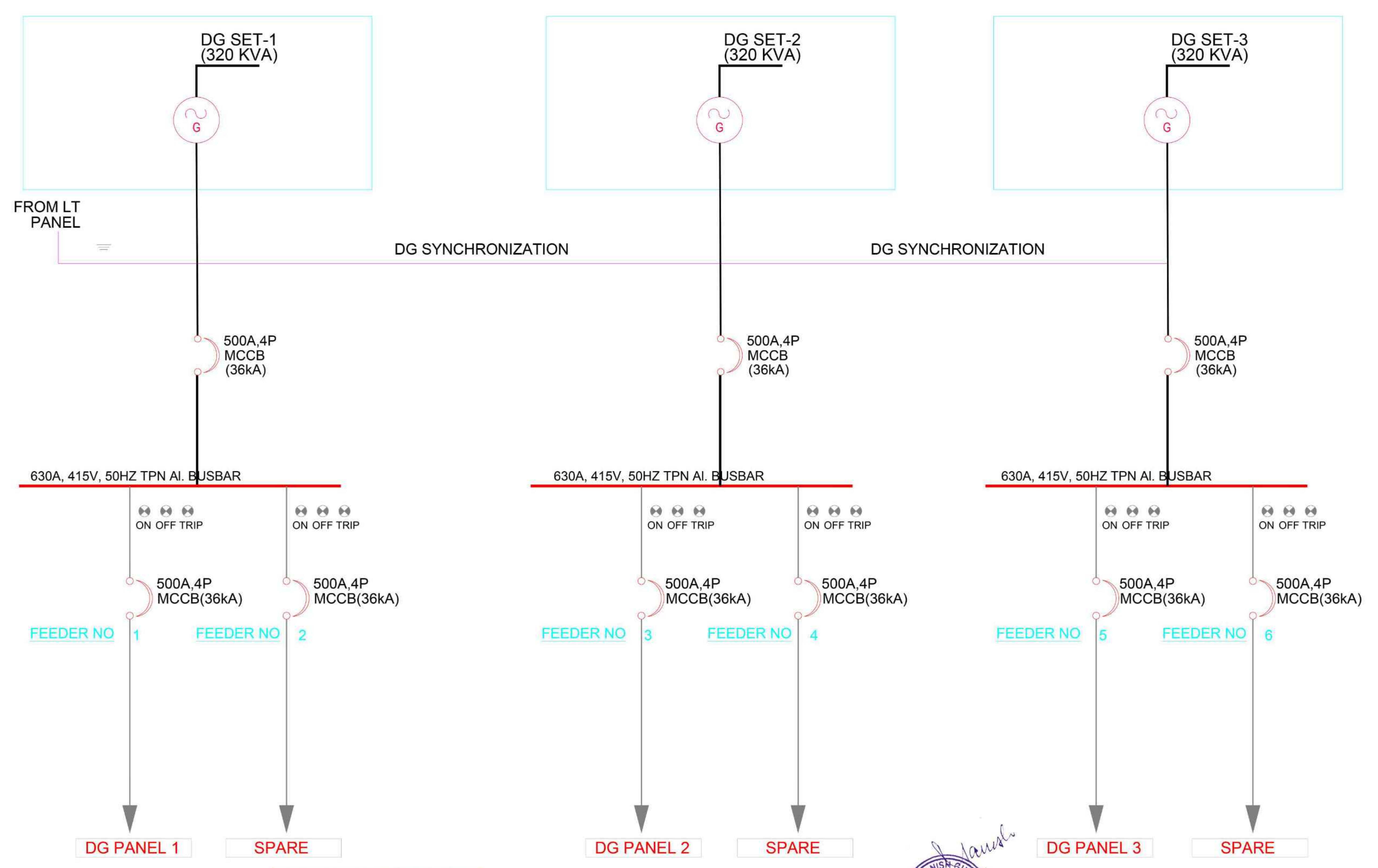
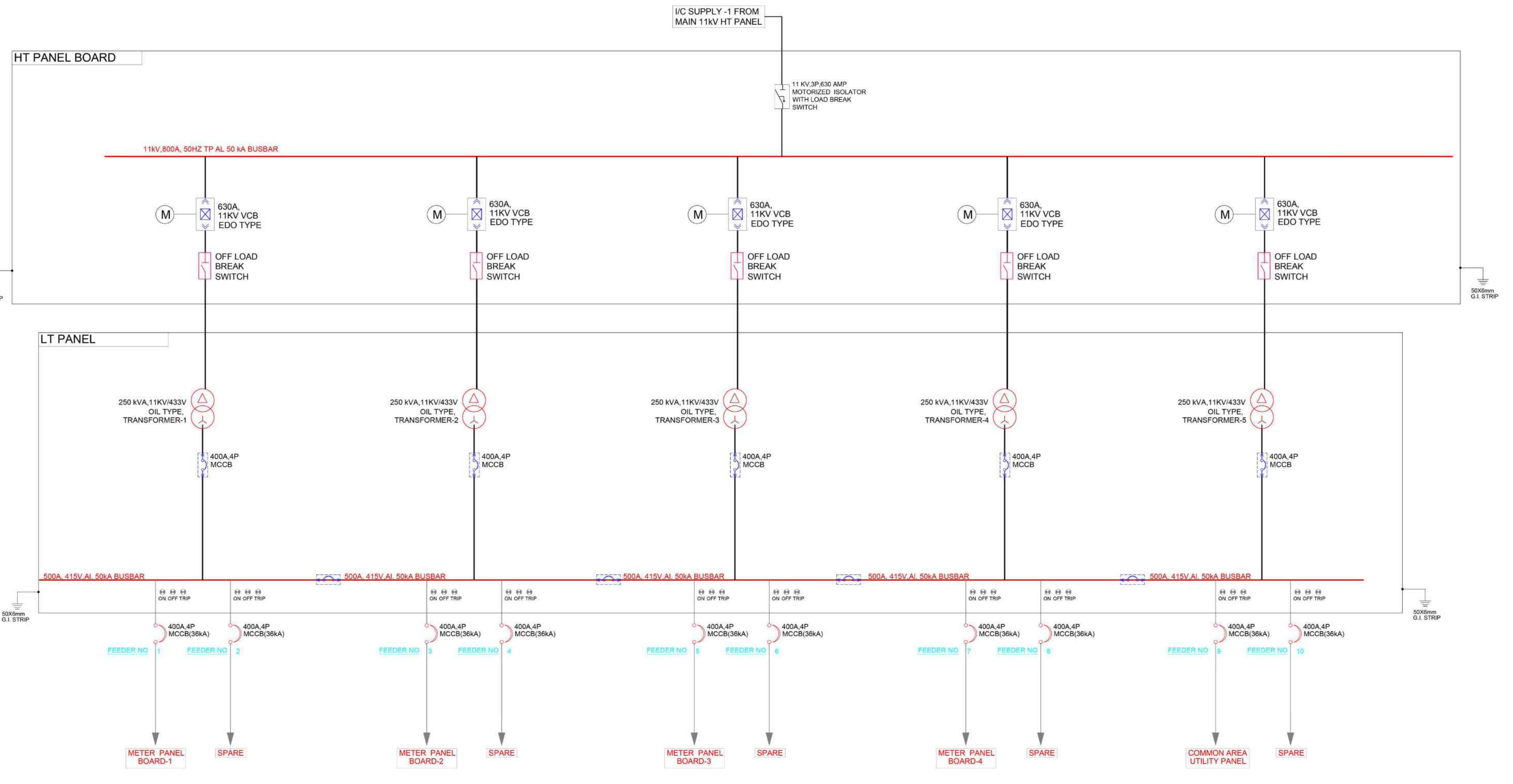


SITE/STILT FLOOR PLAN



ADVANCE COPY FOR RERA SUBMISSION

PROJECT:- PROPOSED APARTMENT BUILDING AT PRAYAGRAJ	OWNER:- MR. RAJESH AGARWAL	BUILDING:- RESIDENTIAL BUILDING	DRAWING TITLE:- LAY-OUT PLAN (ELECTRICAL)	Dr. No. RABPRG/EE/01 Scale A1-100 Date DEC./2025	ARCHITECTURAL CONSULTANTS :- MANISH GUJRAL (B. Arch, F.I.V.) TARANA NASEER (B.Arch, M.Plan) Architects and Interior Designers 52/ 25 B MUIR ROAD, ALLAHABAD	Services Consultant :- SHAH & PAINT CONSULTING ENGINEERS (P) LTD. 1, 4th floor, HANWASTI & CURIL, BHARATIYAN, LUCKNOW (U.P.) Tel. No. 0522-256263 Fax: 0522-228425 Cell: 9696613061, 9696613079 Email: shah_paint@shahpaint.com, Web: www.shahpaintconsultingengineers.com
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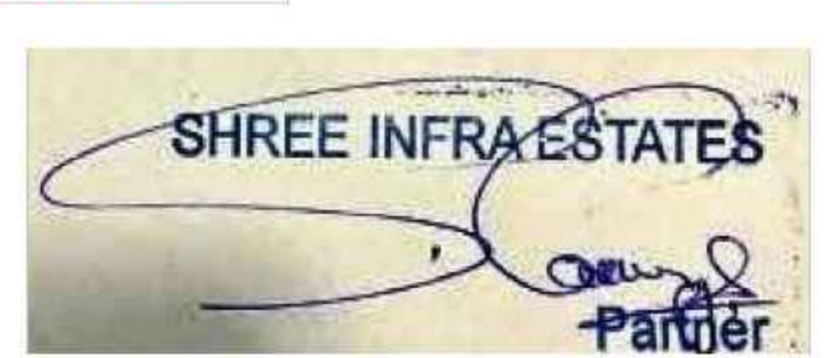
SINGLE LINE DIAGRAM



ADVANCE COPY FOR RERA SUBMISSION

LEGEND

1	11kV VCB EDO TYPE
2	OFF LOAD BREAK SWITCH
3	250 kVA, 11kV/433V OIL TYPE TRANSFORMER
4	400A, 4P MCCB(36kA)
5	500A, 415V AL 50kA BUSBAR
6	400A, 4P MCCB(36kA)
7	FEEDER NO.
8	METER PANEL BOARD
9	COMMON AREA UTILITY PANEL
10	SPARE
11	50x5mm G.I. STRIP
12	630A, 415V, 50Hz TPN AL BUSBAR
13	ON OFF TRIP
14	500A, 4P MCCB(36kA)
15	FEEDER NO.
16	DG PANEL
17	SPARE



PROJECT:- PROPOSED APARTMENT BUILDING AT PRAYAGRAJ	OWNER:- MR. RAJESH AGARWAL	BUILDING:- RESIDENTIAL BUILDING	DRAWING TITLE:- SLD	Drg. No. RABPRG/EE/03	Scale A1-100	ARCHITECTURAL CONSULTANTS :- MANISH GUJRAL (B. Arch, F.I.V.) TARANA NASEER (B.Arch, M.Plan) Architects and Interior Designers 52/ 25 B MUIR ROAD, ALLAHABAD	Services Consultant :- SHAH & PAINT CONSULTING ENGINEERS (P. LTD.) 1-46 Floor, HAWAIIYA CHURCH, BAGPATI GANJ, LUCKNOW (U.P.) Tel. No. 922-256623 Fax: 922-238423 Cell: 9696912066 HU/007719 Email: shah_paint@yahoo.co.in, Web: www.shahpaintconsultingengineers.com
				Date DEC./2025	JAMWANT	O.P. SHAH	