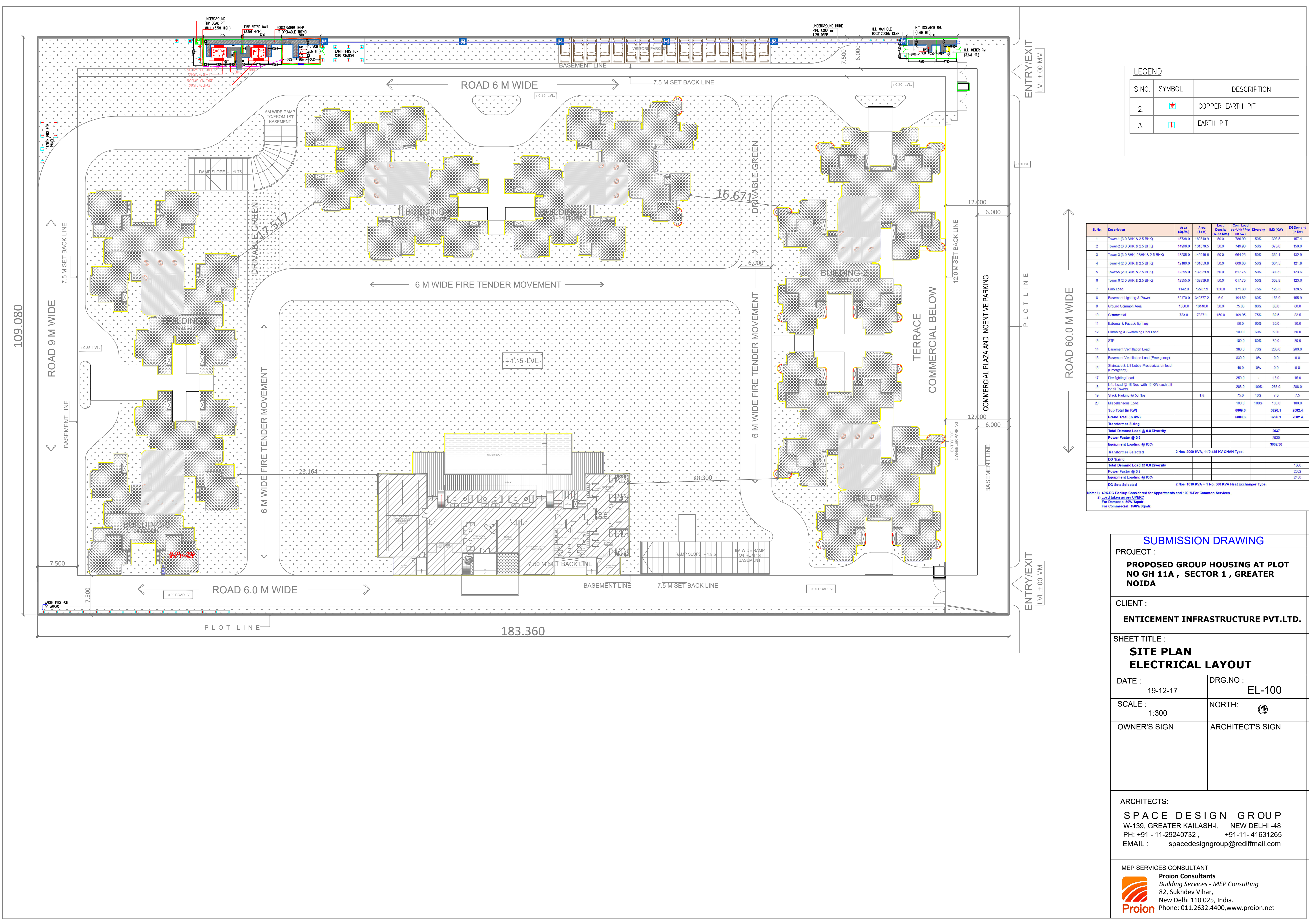




LEGEND		
S.NO.	SYMBOL	DESCRIPTION
2.		COPPER EARTH PIT
3.		EARTH PIT

Sl. No.	Description	Area (Sq.Mt.)	Area (Sq.Ft.)	Load Density (W/Sq.Mtr.)	Core Load per Unit (Watt)	Diversity (in %)	EMD (KW)	DD Demand (in Kw)
1	Tower-1 (3.0 BHK & 2.5 BHK)	15738.0	169240.9	50.0	786.90	50%	293.5	157.4
2	Tower-2 (3.0 BHK & 2.5 BHK)	14968.0	161376.5	50.0	749.90	50%	375.0	150.0
3	Tower-3 (3.0 BHK, 2BHK & 2.5 BHK)	13265.0	142946.6	50.0	664.25	50%	332.1	132.9
4	Tower-4 (2.0 BHK & 2.5 BHK)	12180.0	131090.8	50.0	606.00	50%	304.5	121.6
5	Tower-5 (2.0 BHK & 2.5 BHK)	12355.0	132939.8	50.0	617.75	50%	308.9	123.6
6	Tower-6 (2.0 BHK & 2.5 BHK)	12355.0	132939.8	50.0	617.75	50%	308.9	123.6
7	Club Load	1142.0	12287.9	150.0	171.30	75%	128.5	128.5
8	Basement Lighting & Power	32470.0	348377.2	6.0	194.62	80%	155.9	155.9
9	Ground Common Area	1530.0	16140.0	50.0	75.00	80%	60.0	60.0
10	Commercial	733.0	7887.1	150.0	109.95	75%	82.5	82.5
11	External & Facade Lighting				50.0	60%	30.0	30.0
12	Plumbing & Swimming Pool Load				100.0	60%	60.0	60.0
13	STP				100.0	80%	80.0	80.0
14	Basement Ventilation Load				380.0	70%	266.0	266.0
15	Basement Ventilation Load (Emergency)				830.0	0%	0.0	0.0
16	Staircase & Lift Lobby Pressurization Load (Emergency)				40.0	0%	0.0	0.0
17	Fire Fighting Load				250.0		15.0	15.0
18	Lifts Load @ 16 Nos. with 16 KW each Lift for all Towers				256.0	100%	256.0	256.0
19	Stack Parking @ 50 Nos.		1.5		75.0	10%	7.5	7.5
20	Motor Vehicle Load				100.0	100%	100.0	100.0
Sub Total (in KW)					6806.6		3296.1	2082.4
Grand Total (in KW)					6806.6		3296.1	2082.4
Transformer Sizing								
Total Demand Load @ 0.8 Diversity							2637	
Power Factor @ 0.9							2930	
Equipment Loading @ 80%							3662.30	
Transformer Selected		2 Nos. 2000 KVA, 110.415 KV ONAN Type.						
DG Sizing								
Total Demand Load @ 0.8 Diversity								1686
Power Factor @ 0.8								2082
Equipment Loading @ 85%								2450
DG Sets Selected		2 Nos. 1010 KVA + 1 No. 500 KVA Heat Exchanger Type.						

Note: 1) 40% DG Backup Considered for Apartments and 100 % For Common Services.
2) Load taken as per IUPERC
For Domestic: 60W/Sqmt.
For Commercial: 160W/Sqmt.

SUBMISSION DRAWING

PROJECT :
PROPOSED GROUP HOUSING AT PLOT NO GH 11A , SECTOR 1 , GREATER NOIDA

CLIENT :
ENTICEMENT INFRASTRUCTURE PVT.LTD.

SHEET TITLE :
SITE PLAN ELECTRICAL LAYOUT

DATE :
19-12-17

DRG.NO :
EL-100

SCALE :
1:300

NORTH:

OWNER'S SIGN

ARCHITECT'S SIGN

ARCHITECTS:
SPACE DESIGN GROUP
W-139, GREATER KAILASH-I, NEW DELHI -48
PH: +91 - 11-29240732 , +91-11- 41631265
EMAIL : spacedesigngroup@rediffmail.com

MEP SERVICES CONSULTANT

Proion Consultants
Building Services - MEP Consulting
82, Sukhdev Vihar,
New Delhi 110 025, India.
Phone: 011.2632.4400, www.proion.net