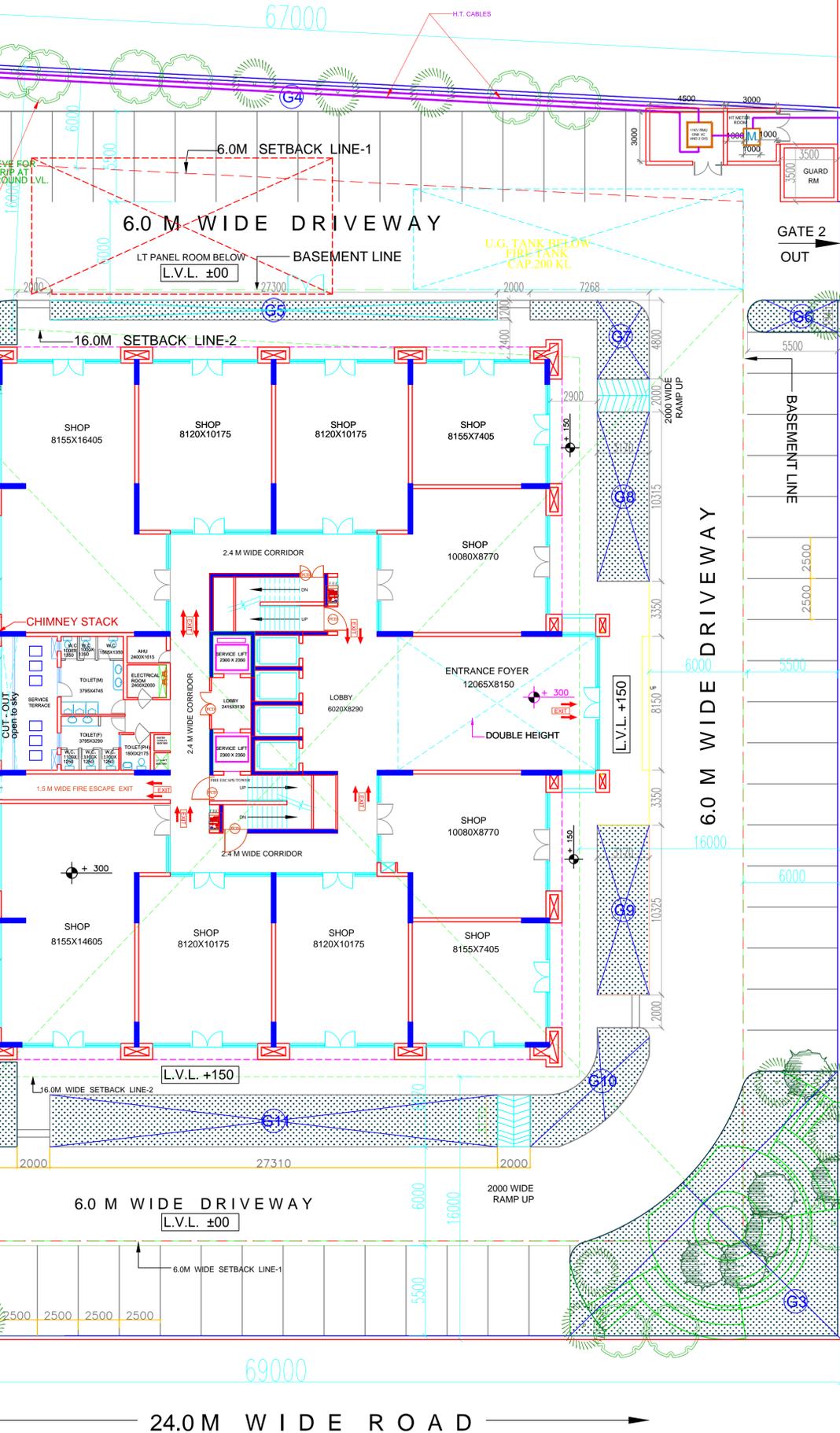


OTHER PROPERTY



ANNEXURE-1
PROJECT: PROPOSED COMMERCIAL COMPLEX FOR PURVANCHAL PROJECTS PVT. LTD.
LOCATION: LUCKNOW
ELECTRICAL LOAD CALCULATION

S.No.	Description	Area (Sqft)	Lighting (Watt/sqft)	Receptacle Load (KW)	Diversity Factor	Maximum Load(KW)
LIGHTING LOAD & RAW POWER						
A) LOWER BASEMENT FLOOR						
1)	OFFICE	936.0	0.50	0.47	60%	0.28
2)	Parking Area	32797.0	0.30	9.84	90%	8.86
3)	Guest IR lobby	204.0	0.40	0.08	90%	0.07
4)	Service IR lobby	75.0	0.40	0.03	90%	0.03
5)	Staircases	473.0	0.35	0.17	90%	0.15
Total		34885.0		18.0		9.4
B) UPPER BASEMENT FLOOR						
1)	Office Room (Jury Room & Fire Store)	1905	0.50	0.95	60%	0.57
2)	IT Public Room	2474	0.50	0.74	90%	0.66
3)	Parking Area	12009	0.30	3.60	90%	3.24
4)	Guest IR lobby	204	0.40	0.08	90%	0.07
5)	Service IR lobby	75	0.40	0.03	90%	0.03
6)	Staircases	473	0.35	0.17	90%	0.15
7)	STP ROOM	936.0	0.50	0.47	60%	0.28
Total		17077.1		6.4		5.6
Total of Basement Upper Basement		51962.1		24.4		15.0
C) GROUND FLOOR						
1)	Shop Area	9544	1.00	9.54	75%	7.16
2)	Entrance Foyer	1145	1.00	1.14	75%	0.86
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	1334	0.40	0.53	90%	0.48
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		12844.8		13.7		8.9
D) FIRST FLOOR						
1)	Shop Area	9544	1.00	9.54	75%	7.16
2)	Entrance Foyer	1145	1.00	1.14	75%	0.86
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	1334	0.40	0.53	90%	0.48
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		12844.8		13.7		8.9
E) SECOND FLOOR						
1)	Shop Area	9544	1.00	9.54	75%	7.16
2)	Entrance Foyer	1145	1.00	1.14	75%	0.86
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	1334	0.40	0.53	90%	0.48
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		12844.8		13.7		8.9
F) THIRD FLOOR						
1)	OFFICE Area	9641	3.50	33.74	75%	25.31
2)	Entrance Foyer	1145	1.00	1.14	75%	0.86
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	1334	0.40	0.53	90%	0.48
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		12944		36.3		26.3
G) FOURTH SERVICE FLOOR						
1)	Service Area	8942	0.40	3.58	90%	3.22
2)	Entrance Foyer	960	0.00	0.00	75%	0.00
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	398	0.40	0.16	90%	0.14
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		11343		4		4
H) ELEVENTH SERVICE FLOOR						
1)	Service Area	8976	0.40	3.59	90%	3.23
2)	Entrance Foyer	960	0.00	0.00	75%	0.00
3)	HRU Room	108	0.40	0.04	75%	0.03
4)	Corridor Area	398	0.40	0.16	90%	0.14
5)	Guest IR lobby	204	0.40	0.08	90%	0.07
6)	Service IR lobby	75	0.40	0.03	90%	0.03
7)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
8)	Staircases	473	0.35	0.17	90%	0.15
9)	Electrical Room	43	0.50	0.02	75%	0.02
Total		10975		4		4
I) TYPICAL 12th, 13th, 14th & 15th Typical FLOOR AREA FOR ONE TYPICAL FLOOR						
1)	OFFICE Area	7424	3.50	25.98	75%	19.49
2)	HRU Room	108	0.40	0.04	75%	0.03
3)	Corridor Area	1151	0.40	0.46	90%	0.41
4)	Guest IR lobby	398	0.40	0.16	90%	0.14
5)	Service IR lobby	75	0.40	0.03	90%	0.03
6)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
7)	Staircases	473	0.35	0.17	90%	0.15
8)	Electrical Room	43	0.50	0.02	75%	0.02
Total (AREA FOR ONE TYPICAL FLOOR)		9995		27		20
J) TYPICAL 16th, 17th, 18th & 19th Typical FLOOR AREA FOR ONE TYPICAL FLOOR						
1)	OFFICE Area	6391	3.50	22.37	75%	16.78
2)	HRU Room	258	0.40	0.10	90%	0.09
3)	Corridor Area	1151	0.40	0.46	90%	0.41
4)	Guest IR lobby	398	0.40	0.16	90%	0.14
5)	Service IR lobby	75	0.40	0.03	90%	0.03
6)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
7)	Staircases	473	0.35	0.17	90%	0.15
8)	Electrical Room	43	0.50	0.02	75%	0.02
Total (AREA FOR ONE TYPICAL FLOOR)		9220		23		18
K) TYPICAL 20th, 21st, 22nd & 23rd Typical FLOOR AREA FOR ONE TYPICAL FLOOR						
1)	OFFICE Area	6391	3.50	22.37	75%	16.78
2)	HRU Room	258	0.40	0.10	90%	0.09
3)	Corridor Area	1151	0.40	0.46	90%	0.41
4)	Guest IR lobby	398	0.40	0.16	90%	0.14
5)	Service IR lobby	75	0.40	0.03	90%	0.03
6)	Tollet (Male & Female)	322	0.40	0.13	90%	0.12
7)	Staircases	473	0.35	0.17	90%	0.15
8)	Electrical Room	43	0.50	0.02	75%	0.02
Total (AREA FOR ONE TYPICAL FLOOR)		9220		23		18
L) AIR CONDITIONING & HEATING LOAD						
1)	VAR CONDENSERS High Side & Low Side	-	-	120.0	50%	60.00
2)	Refrigeration load (basement & tolet)	-	-	120.0	50%	60.00
3)	Lift well Pressurization	-	-	30.0	DEAD LOAD	-
Total of AC & Ventilation Load				270.0		135.0
M) External Lighting, Fan load, Signage & Signage Load (Approx.)						
1)	Elevator	-	-	5.0	90%	4.50
2)	4 nos Guest IR @ 150W/APP	-	-	6.0	50%	3.00
3)	2 nos Service IR @ 200W/APP	-	-	4.0	50%	2.00
Total				15.0		7.50
N) WATER SUPPLY & DRAINAGE PUMPS						
1)	Water treatment Plant Softener	-	-	40.00	40%	16.00
2)	Filtrated Water Transfer Pumps	-	-	60.00	60%	36.00
3)	Drainage pump	-	-	5.00	40%	2.00
4)	Pump Pumps	-	-	15.00	40%	6.00
Total				120.00		50.00
O) STP						
1)	Sewage treatment Plant	-	-	15.00	40%	6.00
2)	Recycled water transfer pumps for flushing	-	-	40.00	40%	16.00
3)	Recycled water transfer pumps for toilet flush water supply	-	-	40.00	40%	16.00
4)	Landscape Irrigation Pumps	-	-	40.00	40%	16.00
Total				135.00		54.00
P) FIRE FIGHTING PUMPS						
1)	Hydrant Pump	-	-	50.00	DEAD LOAD	-
2)	Sprinkler Pump	-	-	50.00	DEAD LOAD	-
3)	Jetlay pump	-	-	20.00	DEAD LOAD	-
Total				120.00		0.00
Q) ELECTRICAL LOAD OF FIRE ALARM, CCTV, IR & Audio Visual System etc.						
Total				132.0		6.0
Grand Total (Envan A TO Q)		234973.1		2205.9		1236.2
Over All Diversity factor @ 90%						
Total Connected load				2111 KW		
Total Maximum Demand load				1900 KW		
Size of Transformer						
Minimum Demand load at 0.95 PF				1772 KW		
Size of transformer at loading factor 80%						
Required size of transformer				1900 KW		
Size of DG Sets						
Total Connected load (Min and load)				2111 KW		
Minimum Connected load at 0.95 PF				1887 KW		
Size of DG Sets at loading factor of 80%				1427 KW		
Size of DG Sets				1887 KW		
Required size of DG Sets				1427 KW		

SUBMISSION DRAWING

SHEET TITLE

ELECTRICAL LAYOUT PLAN

ARCHITECT:
DEVELOPMENTS CONSULTANT
ARCHITECTS ENGINEERS & PLANNERS
209-C, MASJID MOTH, ("R" BLOCK, N.D.S.E.-II)
NEW DELHI 110049
PHONE: 011- 26254880, 49406894

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR
PURVANCHAL PROJECTS PVT. LTD.
AT PLOT NO.-TC-A-1, VIBHUTI KHAND
GOMTI NAGAR, LUCKNOW

SCALE 1:250

DATE : 07-09-2020

ARCHITECT'S SIGNATURE

OWNER'S SIGNATURE

