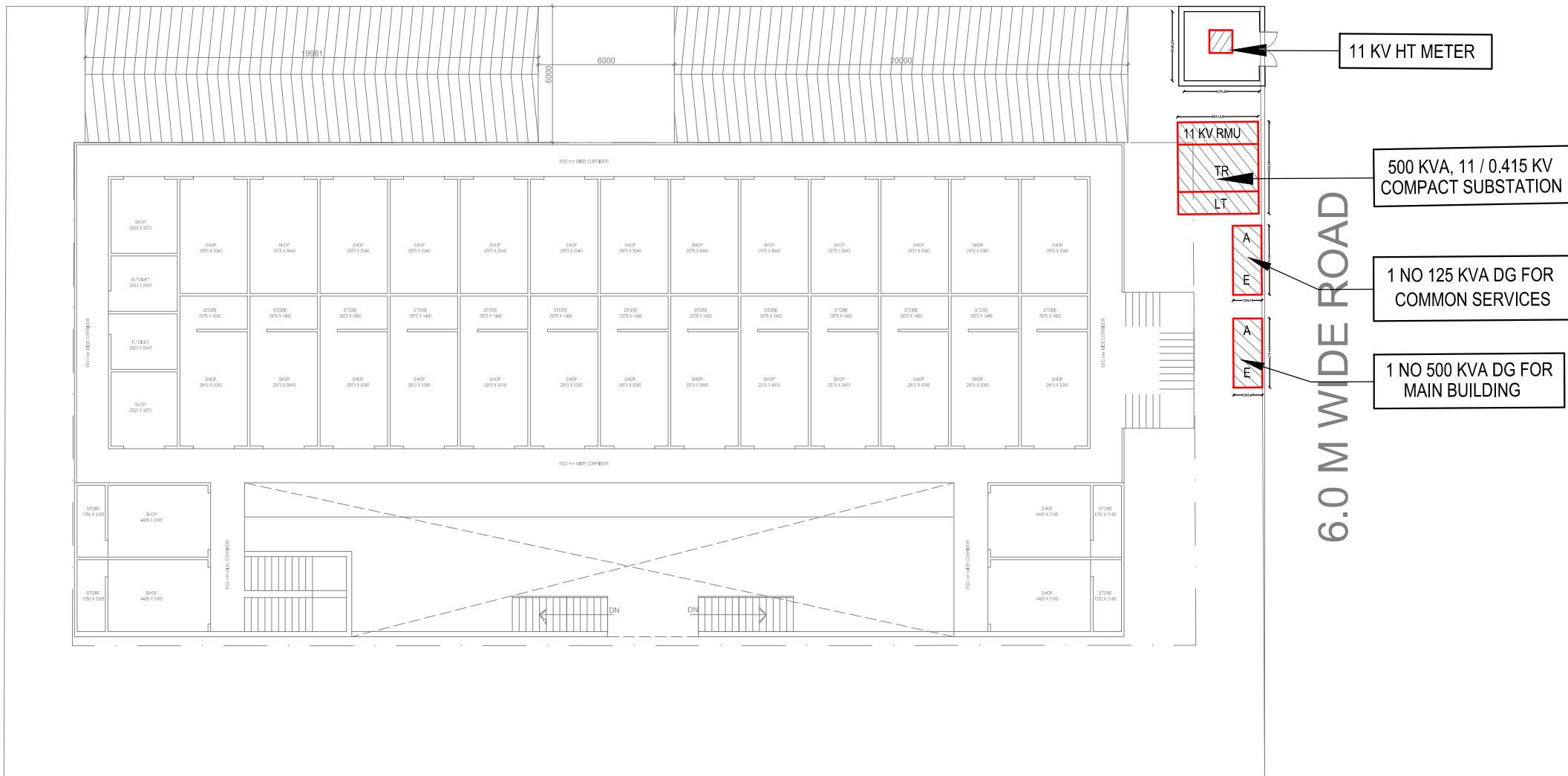
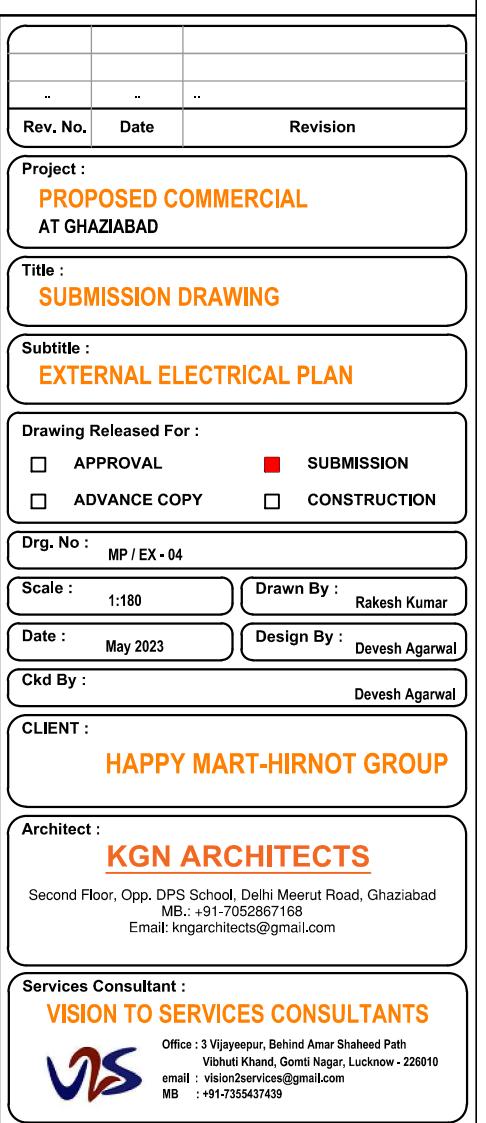


## 9.0 M WIDE ROAD



## 18.0 M WIDE ROAD



ELECTRICAL LOAD: PROPOSED COMMERCIAL COMPLEX AT GHAZIABAD									
S.No.	Description	Area in Sq. mtr.		Unit Load			Load (in KW)		
1	<b>Basement Floor</b>								
	Parking	602	Sq mtr	@	1	Watt/Sq mtr	=	0.6	KW
	Corridors + Stairs + Toilets	33	Sq mtr	@	15	Watt/Sq mtr	=	0.5	KW
	Shop Area	246	Sq mtr	@	150	Watt/Sq mtr	=	36.9	KW
2	<b>Ground Floor</b>								
	Corridors + Stairs + Toilets	41	Sq mtr	@	15	Watt/Sq mtr	=	0.6	KW
	Shop Area	844	Sq mtr	@	150	Watt/Sq mtr	=	126.6	KW
3	<b>First Floor</b>								
	Corridors + Stairs + Toilets	18	Sq mtr	@	15	Watt/Sq mtr	=	0.3	KW
	Shop Area	815	Sq mtr	@	150	Watt/Sq mtr	=	122.3	KW
4	<b>Second Floor</b>								
	Corridors + Stairs + Toilets	18	Sq mtr	@	15	Watt/Sq mtr	=	0.3	KW
	Shop Area	815	Sq mtr	@	150	Watt/Sq mtr	=	122.3	KW
5	<b>Third Floor</b>								
	Corridors + Stairs + Toilets	37	Sq mtr	@	15	Watt/Sq mtr	=	0.6	KW
	Shop Area	494	Sq mtr	@	150	Watt/Sq mtr	=	74.1	KW
	<b>COMMON SERVICES</b>								
6	Water Pump/ Tube Well/ Water Treatment/ Softning Plant						=	20	KW
7	STP						=	20	KW
8	External Lighting						=	10	KW
9	Elevators	1	Nos.	@	12	KW	=	12	KW
10	Basement Ventilation							25	KW
						<b>Total Load</b>		<b>572</b>	<b>KW</b>
	<b>By taking overall project Diversity Factor</b>					75% =>		<b>429</b>	<b>KW</b>
	<b>By taking Power Factor</b>					0.9 =>		<b>477</b>	<b>KVA</b>

ELECTRICAL LOAD: PROPOSED COMMERCIAL COMPLEX AT GHAZIABAD						
S.No.	Description	Area in Sq. mtr.	Unit Load	Load (in KW)		
Recommended Transformers (at 80% loading) = " 1 nos 500 KVA "						
	By taking 0.80 Power Factor			0.8 =>	536	KVA
Recommended DG sets (at 85% loading) = " 1 nos 500 KVA + 1 nos 125 KVA "						