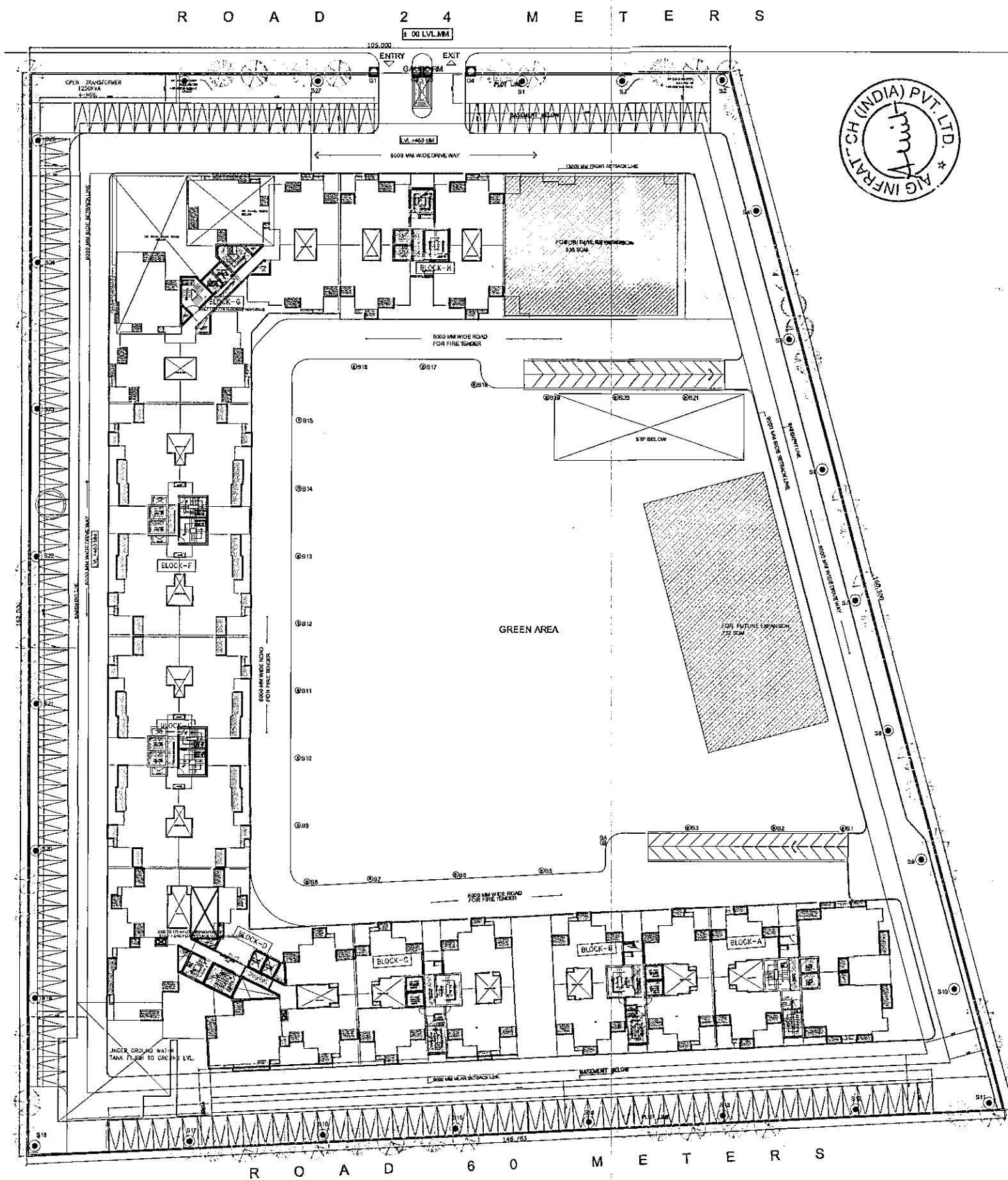


71



LOAD FOR GROUP HOUSING (GC-2 AT GAUR CITY) PLOT NO - GH - 01, SECTOR - 4, GREATER NOIDA					
S.NO.	UNIT TYPE	NO. OF FLATS	CONNECTED PER FLAT LOAD	TOTAL LOAD	UNIT
1	<b>BLOCK - A</b>				
	3 BED ROOM+2TOILET	34.00	10.70	363.80	KW
	2BED ROOM+2TOILET	34.00	9.60	326.40	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>690.20</b>	<b>KW</b>
2	<b>BLOCK - B</b>				
	2BED ROOM+2TOILET	34.00	9.60	326.40	KW
	2BED ROOM+2TOILET+STUDY	34.00	9.60	326.40	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>652.80</b>	<b>KW</b>
3	<b>BLOCK - C</b>				
	2BED ROOM+2TOILET	34.00	9.60	326.40	KW
	2BED ROOM+2TOILET+STUDY	34.00	9.60	326.40	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>652.80</b>	<b>KW</b>
4	<b>BLOCK - D</b>				
	3 BED ROOM+2TOILET	34.00	11.00	374.00	KW
	2BED ROOM+2TOILET	68.00	9.60	646.00	KW
	<b>TOTAL</b>	<b>102.00</b>		<b>1020.00</b>	<b>KW</b>
5	<b>BLOCK - E</b>				
	3 BED ROOM+2TOILET+STUDY	68.00	11.40	775.20	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>775.20</b>	<b>KW</b>
6	<b>BLOCK - F</b>				
	3 BED ROOM+2TOILET+STUDY	68.00	11.40	775.20	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>775.20</b>	<b>KW</b>
7	<b>BLOCK - G</b>				
	3 BED ROOM+2TOILET+STUDY	34.00	12.00	408.00	KW
	2BED ROOM+2TOILET+STUDY	34.00	10.80	367.20	KW
	3 BED ROOM+2TOILET	34.00	11.00	374.00	KW
	<b>TOTAL</b>	<b>102.00</b>		<b>1149.20</b>	<b>KW</b>
8	<b>BLOCK - H</b>				
	2BED ROOM+2TOILET+STUDY	68.00	10.70	727.60	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>727.60</b>	<b>KW</b>
9	<b>BLOCK - I</b>				
	2BED ROOM+2TOILET+STUDY	34.00	10.80	367.20	KW
	3 BED ROOM+2TOILET	34.00	10.90	370.60	KW
	<b>TOTAL</b>	<b>68.00</b>		<b>737.80</b>	<b>KW</b>
		<b>680.00</b>		<b>7180.80</b>	
<b>B Power Consumption for Service / Common Areas</b>					
a)	ELEVATOR	20.00	9	180.00	KW
b)	EXTERNAL / GATE / LANDSCAPE LIGHTING			15.00	KW
c)	BASEMENT LIGHTS			42.75	KW
d)	BASEMENT VENTILLATION			50.00	KW
e)	MISC.			50.00	KW
f)	PLUMBING LOAD			35.00	KW
g)	FIRE PUMPS (ONLY JOCKEY PUMPS HAVE BEEN CONSIDERED)			20.00	KW
	<b>TOTAL B</b>			<b>392.75</b>	
	<b>TOTAL A+B</b>			<b>7573.56</b>	<b>KW</b>
	By taking Overall diversity factor	45%		3408.10	KW
	Say			4250.13	KVA
	Total Electric Load (Say)			5100	KVA
	Total Recommended D. G. SET (85% loading)			6000.00	KVA
	RECOMMENDED SILENT TYPE D. G. SET (AT THIS STAGE) - 2 X 2000 KVA + 1 X 800 KVA				
	RECOMMENDED TRANSFORMER (AT THIS STAGE) - 3 X 1600 KVA				

PROJECT  
GROUP HOUSING(GC-2 AT GAUR CITY) PLOT NO - GH - 01, SECTOR - 4, GREATER NOIDA

APARTMENT ACT

ELECTRICAL LAYOUT