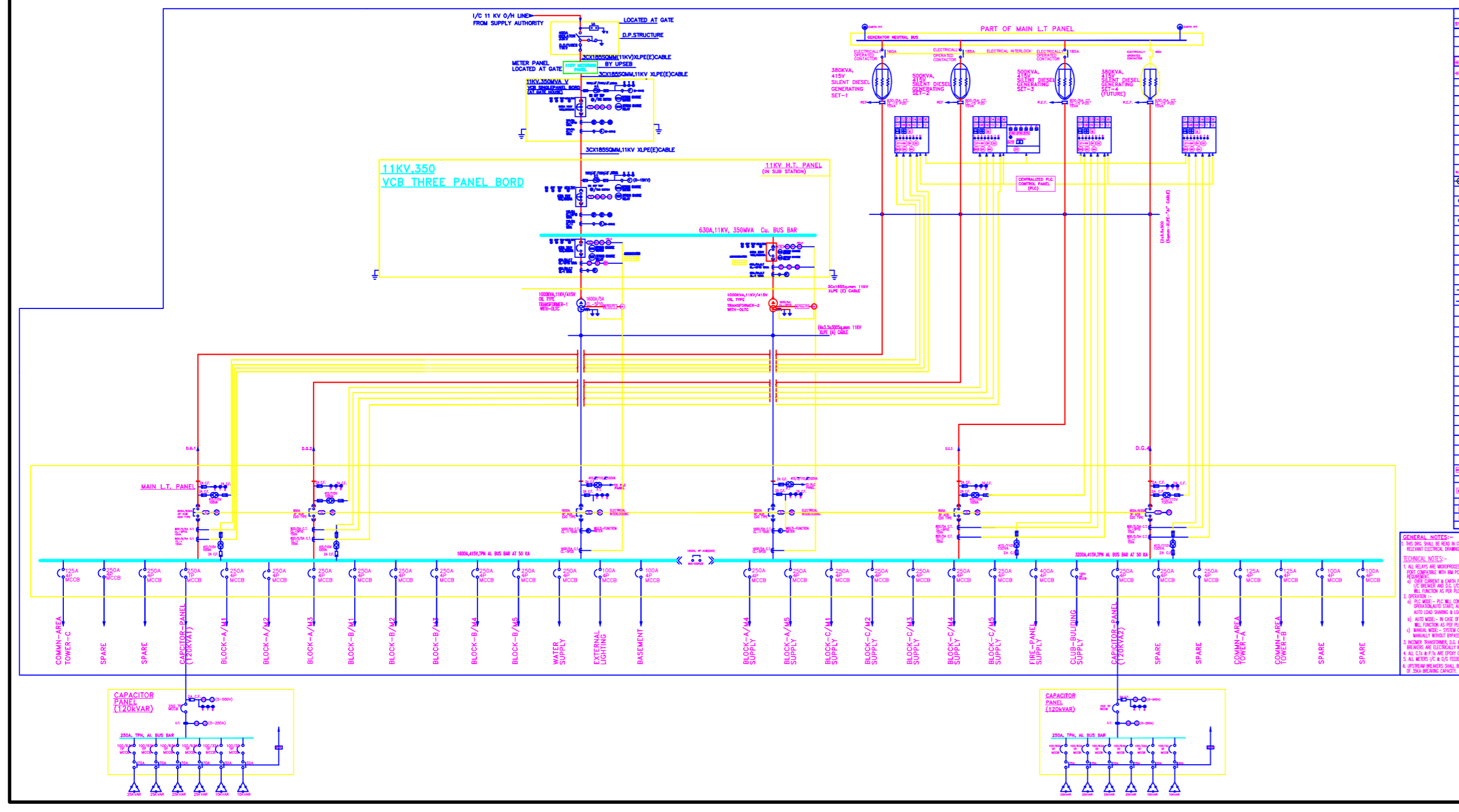


Description of type of unit	Nos of Tower s	Nos of units	Area in Sq.ft	D.G. SET - CAPACITY		Total load	Overall diversity factor	Total load after diversity factor	Remarks
				ELECTRICAL LOAD	CASA-GRANDE HOUSING AT GREATER NOIDA				
TOWER -A									
ONE UNIT									
3BR+Servant Units	1	44				4	17%	141	
3BR +3T Units	1	44				4	17%	141	
U/L Load	2					16.75	37.5	30	
Common Area load	1	14911	1	17.5		16	30%	14	
Booster Pumps	1					12.5	12.5	10	
TOWER -B									
ONE UNIT									
2BR+2T Units	1	60				3.5	21%	168	
2BR +2T Units	1	42				3.5	14%	118	
U/L Load	2					18.75	37.5	30	
Common Area load	1	15064	1	18.8		18.85	30%	15	
Booster Pumps	1					12.5	12.5	10	
TOWER -C									
ONE UNIT									
2BR+2T Units	1	102				5	51%	458	
U/L Load	2					16.75	37.5	30	
Common Area load	1	14160	1	17.7		17.7	30%	14	
Booster Pumps	1					12.5	12.5	10	
CLUB BUILDING									
ONE UNIT									
EXTERNAL LIGHTING						37.5	37.5	30	
Jockey Pump						37.5	37.5	30	
WATER SUPPLY						37.5	37.5	30	
BASEMENT AREA		5384.66	1	66.7		66.7	30%	53	
Lift well Pressurization						56.25	56.25	30%	45
Staircase Pressurization						56.25	56.25	30%	34
TOTAL								1406	
Total connected load after diversity factor									1406
Assuming for sizing of DG SET capacity									
a) Max demand									1406
b) Loading factor									95%
Capacity of DG SET									1750
Nos of DG SET of 2X 350KVA + 2X 500KVA capacity = 4 nos									

NORTH POINT
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NO. OF PRINT	DATE	ISSUED TO	REMARKS



CASE GRANDE AT GREATER NOIDA	
ANNUAL ELECTRICAL POWER CONSUMPTION PER SQ.MT AREA	
RESIDENTIAL COMPLEX	
Electrical Load	
For Residential Block	
Light, Small Power & A.C Connected Power Load	1582 KW
Utility connected Power Load	283 KW
Total Connected Power Load	1965 KW
Total Max. Power Demand for Residential Block	2331.26 KVA
Total max. Power demand for Residential Block	1406.00 kW
Area of Complex	
Parking & Services	4961.4 SQ.MT
Residential Block	31681.94 SQ.MT
Total Built Up Area of complex	36643.34 SQ.MT
Power Consumption per Sq.mt. Area per Annum	
Power Consumption for 365 days (assumed 4 hours per day) per Sq.mt. of 100% of Maximum demand	56.0 KWhr.
Power Consumption for 365 days (assumed 5 hours per day) per Sq.mt. of 50% of Maximum demand	35.9 KWhr.
Power Consumption for 365 days (assumed 15 hours per day) per Sq.mt. of 20% of Maximum demand	42.01 KWhr.
Total Power Consumption for 365 days per Sq.mt. per Annum of Residential Block	133.0 KWhr.

OWNER SIGN ARCHITECT SIGN

FOR COMPLETION DRAWING

CLIENT
M/S EARTHCON CONSTRUCTION PVT.LTD

PROJECT
PROPOSED GROUP HOUSING FOR M/S EARTHCON CONSTRUCTION PVT.LTD AT PLOT NO. GH-07A, SECTOR CHI-V, GREATER NOIDA, U.P.

DATE	PROJECT INCHARGE	CHECKED BY
19-10-2013	AMARNATH JHA	DEVESH SHAWA
SCALE	DEALT BY	APPROVED BY
1:200	ABHIRAM JHA	VISHAL SHARMA

DRAWING TITLE
SERVICES PLAN (ELECTRICAL)

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DRAWING NO. REVISION

04

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