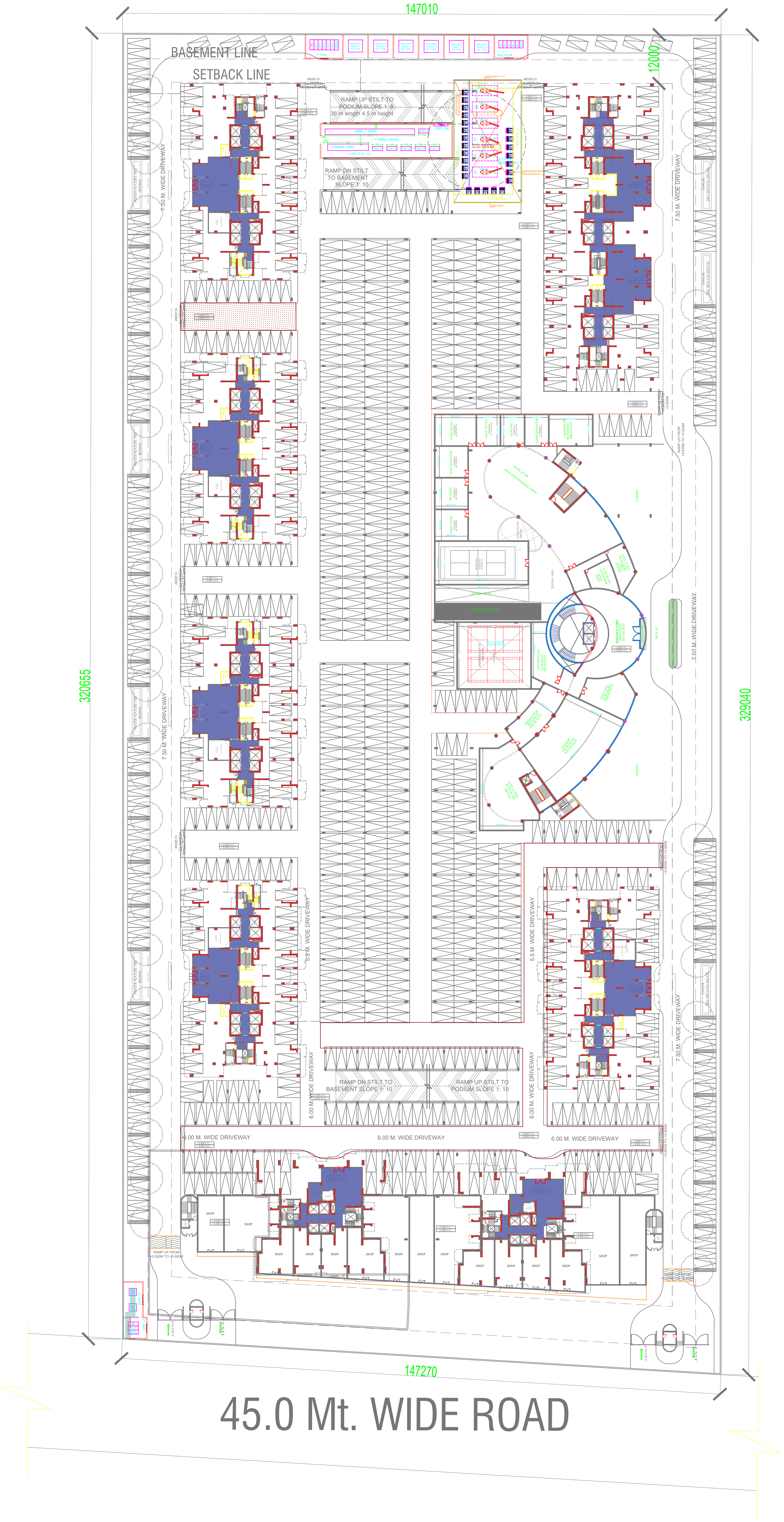
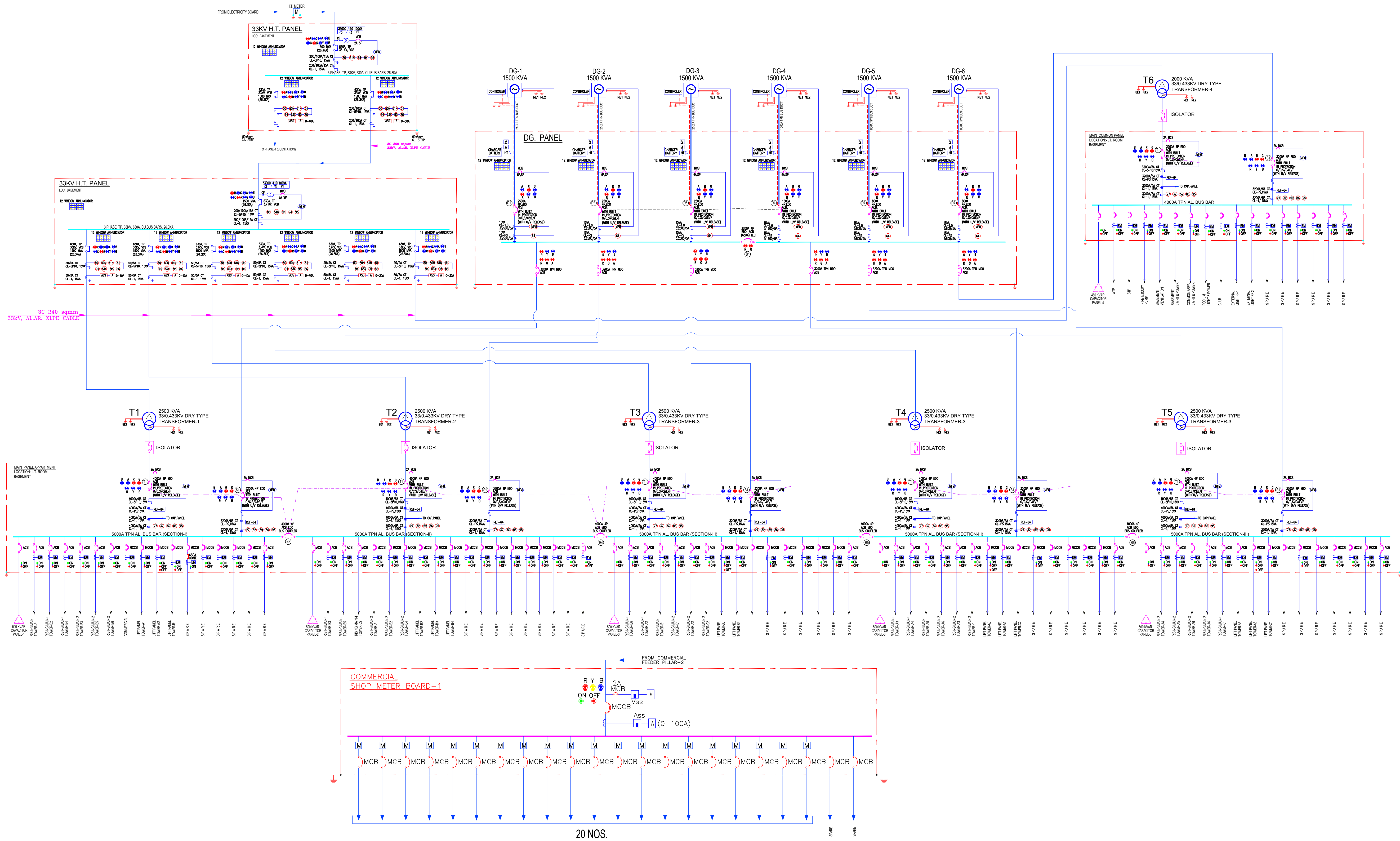




45.0 Mt. WIDE ROAD

CLIENT :-		GAURSONS INDIA PRIVATE LIMITED GAUR BIZ PARK PLOT NO.-1, ABHAY KHAND-II, INDIRAPURAM, GHAZIABAD		
PROJECT :-		PROPOSED GROUP HOUSING PROJECT GAUR ALARIS , AT PLOT NO. GH-13, SECTOR-22 D, YEIDA, GREATER NOIDA, U.P.		
TITLE :-		EXTERNAL ELECTRICAL LAYOUT PLAN		
SUBMISSION				
OWNER'S SIGN		For Gaursons India Pvt. Ltd. Authorised Signatory		
ARCHITECT SIGN		 HARIOM SHUKLA ARCHITECT CA/2012/55413 Gaur Biz Park, Plot No. 1, Abhay Khanda-II, Indirapuram Gsb.		
EXTERNAL ELECTRICAL LAYOUT PLAN		DRG. NO. :-	SD-08	



LEGENDS:-		
S.NO.	SYMBOL	DESCRIPTION
1.		TRANSFORMER
2.		DG SET
3.		VACUUM CIRCUIT BREAKER (EDO)
3.		EARTH LEAKAGE CIRCUIT BREAKER
4.		AIR CIRCUIT BREAKER
5.		MOULDED CASE CIRCUIT BREAKER (MCCB)
6.		MINIATURE CIRCUIT BREAKER (MCB)
7.		CAPACITOR BANK
8.		PHASE INDICATION LAMP
9.		ENERGY METER
10.		CURRENT TRANSFORMER
11.		POTENTIAL TRANSFORMER
12.		AMMETER
13.		VOLTMETER
14.		AMMETER SELECTOR SWITCH
15.		VOLTMETER SELECTOR SWITCH
16.		EM6434 OF CONVEY OR EQUIVALENT
17.		AUTO MANUAL SWITCH
18.		AUTOMATIC POWER FACTOR CORRECTION RELAY
19.		UNDER VOLTAGE WITH DEFINITE TIME RELAY
20.		OVER VOLTAGE WITH DEFINITE TIME RELAY
21.		OVER CURRENT PROTECTIVE DEVICE
22.		EARTH FAULT PROTECTIVE DEVICE
23.		INSTANTANEOUS OVER CURRENT RELAY
24.		INSTANTANEOUS EARTH FAULT RELAY
25.		MASTER TRIP RELAY
26.		RESTRICTED EARTH FAULT RELAY
27.		REVERSE POWER RELAY
28.		AUXILIARY RELAY
29.		SUPER VISION RELAY
30.		EARTH
31.		AMBER INDICATION LAMP FOR AUTO TRIP
32.		SPRING CHARGED
33.		BRECKER ON
34.		BRECKER OFF
35.		CLEAR INDICATING LAMP FOR TRIP CIRCUIT HEALTHY
36.		ISOLATOR
37.		4P CONTACTOR
38.		VOLT AMMETER FREQUENCY
39.		INVERTER
40.		ANTI PUMPING RELAY
41.		SINGLE SOURCE ENERGY METER BY NPCL
42.		DUAL SOURCE ENERGY METER BY NPCL

ISSUES				
NO.	DATE	BY	DESCRIPTION	PRINTS

REVISIONS		
NO.	DATE	DESCRIPTION

DRAWING STATUS
SCHEMATIC STAGE DRAWING

PROJECT
PROPOSED GROUP HOUSING PROJECT
GAUR ALARIS, AT PLOT NO. GH-13,
SECTOR-22 D, YEDA, GREATER NOIDA, U.P.

CLIENT
GAURSONS INDIA PRIVATE LIMITED
GAUR BIZ PARK PLOT NO.-1, ABHAY KHAND-II,
INDIRAPURAM, GHAZIABAD

ARCHITECT :

HARIOM SHUKLA
ARCHITECT
CA2012/55413
Gaur Biz Park, Plot No. 1,
Abhay Khand-II, Indirapuram Gzb.

OWNER'S SIGN

For Gaursons India Pvt. Ltd.
Authorised Signatory

SERVICES CONSULTANT:
PARADISE CONSULTANTS
PLOT NO. 129, POCKET-2, BASEMENT
JASOLA VIHAR, NEW DELHI-110025
PH : 011- 46132800, 41030619
E-mail: mep@paradiseconsultants.com

DRAWING TITLE :
MAIN ELECTRICAL SCHEMATIC

Scale : NTS (A0) Drawn by : SANTOSH
Date : 23/03/2026 Checked by : AR
Project no : ----- Approved by : NAFEEES

Drawing no :
EL-PC-GAUR-SLD-101

REVISION
R0

TERRACE FLOOR

(36th. FL00R)

(TYPICAL)

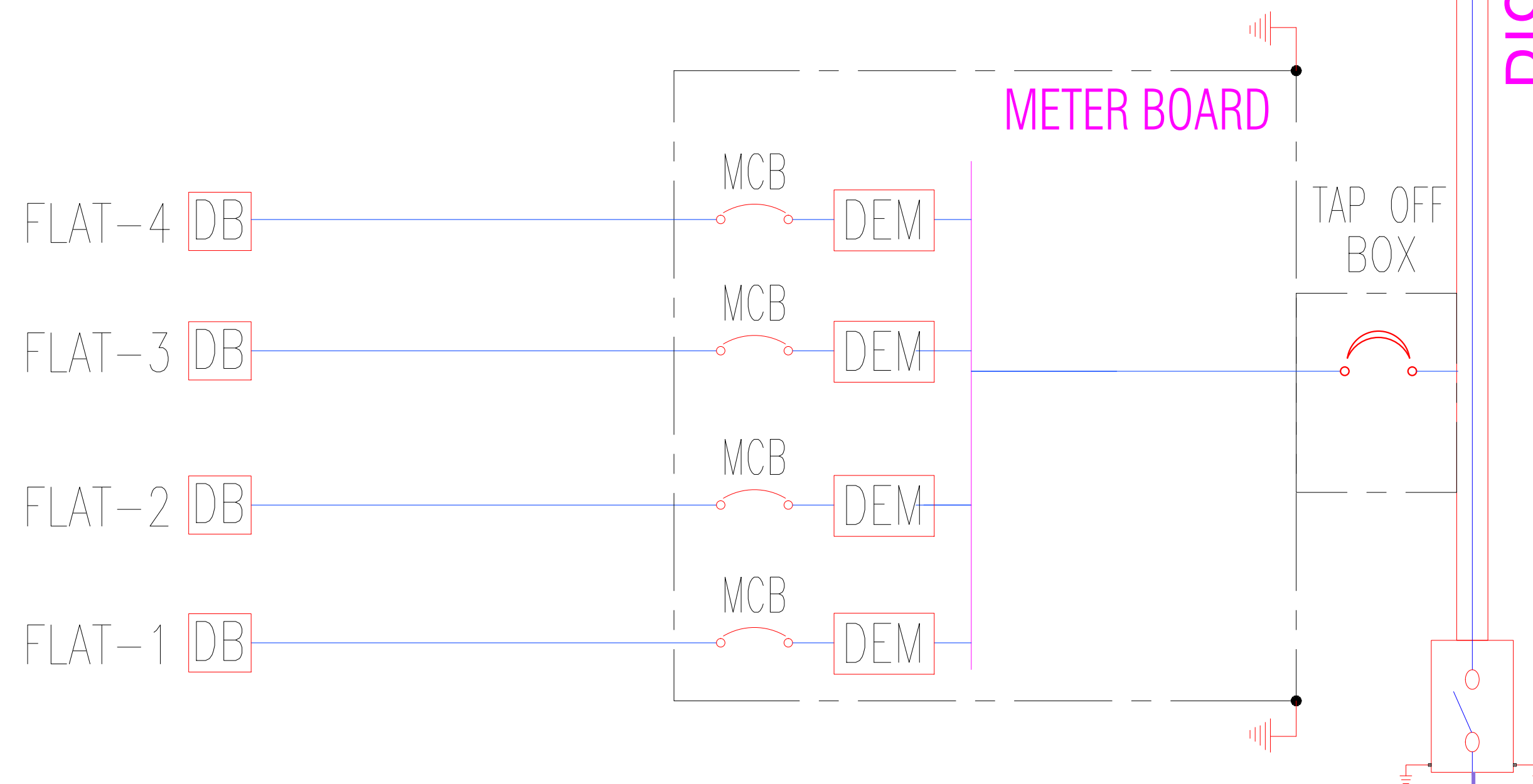
CABLES FROM LT. PANEL

RISING MAIN -1
TOWER A1 TO A6 , B1 TO B6, C1 & C2

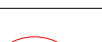
RISING MAIN

METER BOARD

TAP OFF
BOX



LEGEND:—

SNO.	SYM.	DESCRIPTION
01.		DUAL ELECTRONIC ENERGY METER
02.		INDICATING LAMP
03.		GROUNDING
04.		MOULDED CASE CIRCUIT BREAKER (MCCB)
05.		MINIATURE CIRCUIT BREAKER (MCB)
06.		ELECTRICAL ISOLATOR

ISSUES

NO.	DATE	BY	DESCRIPTION	PRINTS

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING STATUS

SCHEMATIC STAGE DRAWING

PROJECT

PROPOSED GROUP HOUSING PROJECT
GAUR ALARIS, AT PLOT NO. GH-13,
SECTOR-22 D, YEIDA, GREATER NOIDA, U.P.

CLIENT

GAURSONS INDIA PRIVATE LIMITED
GAUR BIZ PARK PLOT NO.-1, ABHAY KHAND-II,
INDIRAPURAM, GHAZIABAD

ARCHITECT :

HARIOM SHUKLA
ARCHITECT
CA/2012/55413
Gaur Biz Park, Plot No. 1,
Abhay Khand-II, Indirapuram Gzb.

OWNER

For Gaursons India Pvt. Ltd.


Authorised Signatory

SERVICES CONSULTANT:

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PLOT NO. 129, POCKET-2, BASEMENT
JASOLA VIHAR, NEW DELHI-110025
PH : 011- 46132800, 41030619
E-mail: mep@paradiseconsultants.com

DRAWING TITLE :

ELECTRICAL RISING MAIN DIAGRAM

Scale : NTS (A0)	Drawn by : SANTOSH
Date : 23/03/2026	Checked by : AR
Project no : -----	Approved by : NAFEES
Drawing no :	

[illegible]

PROJECT : PROPOSED GROUP HOUSING GH-13 AT YAMUNA EXPRESSWAY									
EMERGENCY DG BACK UP									
S.no.	Descriptions	No. Of Unit	Area in sqm	Load as per UPPCL/ 10 sqm	Connected Load			Div.	Total Max. Demand
					C.L./Unit	C.L./Unit	Total C.L.		
A.	APARTMENTS				in KVA	in kW			
1	Tower Type A 3 BHK Unit	848			6.00 kVA	4.80 kW	4,070.40 kW	50%	2,035.20 kW
2	Tower Type B 3 BHK Unit	960			6.00 kVA	4.80 kW	4,608.00 kW	50%	2,304.00 kW
3	Tower Type C 4 BHK Unit	272			7.50 kVA	6.00 kW	1,632.00 kW	50%	816.00 kW
4	Tower Type C Pent House Unit	8			12.50 kVA	10.00 kW	80.00 kW	50%	40.00 kW
	TOTAL- A	2088					10,390.40 kW		5,195.20 kW
B	COMMERCIAL								
1	Commercial	1	2492.19	1500 Watt			373.83kW	75%	280.37kW
	TOTAL- B		2492.19				373.83kW		280.37kW
C	Common Area Services								
1	Club						510.02kW	50%	255.01
2	Podium Lighting & Power						50.00kW	50%	25.00
3	Basement Lighting & Power Load						50.00kW	50%	25.00
4	Basement Ventilation (Normal)						150.00kW	50%	75.00
5	Tower Common area						225.00kW	50%	112.50
6	STP & WTP Load						300.00kW	50%	150.00
7	Fire Fighting(Less Fire)						20.00kW	50%	10.00
8	External Lighting						25.00kW	50%	12.50
9	Elevators 60 nos @ 20 kW						1200.00kW	50%	600.00
	TOTAL-C						2530.02kW		1265.01kW
	TOTAL LOAD OF THE COMPLEX -(A+B+C)								6740.58kW
	DG SETS SELECTION:								
	Total Maximum Demand								6,740.58 kW
	Power Factor @0.8								0.80
	Total Maximum Demand								8,425.73 kVA
	Proposed DG Sets :								6 X 1500 KVA

For Gaursons India Pvt. Ltd.



Authorised Signatory


HARIOM SHUKLA
 ARCHITECT
 CA/2012/55413
 Gaur Biz Park, Plot No. 1,
 Abhay Khand-II, Indrapuram Gzb.

PROJECT : PROPOSED GROUP HOUSING GH-13 AT YAMUNA EXPRESSWAY										
ELECTRICAL LOAD AS PER NORMS										
S.no.	Tower no.	No. of Unit	Type of Unit	Total Area in sqm	Area per Unit	Load as per UPPCL per 10 sqm	Connected Load		Div.	Total Max. Demand
							C.L./Unit	Total C.L		
A.	APARTMENTS									
1	Tower Type A (2 block - 34 Storied)	272	3 BHK	30393.38	111.74	500 Watt	5.59kW	1519.67kW	50%	759.83kW
2	Tower Type A (4 block - 36 storied)	576	3 BHK	64333.04	111.69	500 Watt	5.58kW	3216.65kW	50%	1608.33kW
3	Tower Type B (6 block - 34 storied)	816	3 BHK	83480.16	102.30	500 Watt	5.12kW	4174.01kW	50%	2087.00kW
4	Tower Type B (1 block - 36 storied)	144	3 BHK	14724.44	102.25	500 Watt	5.11kW	736.22kW	50%	368.11kW
5	Tower Type C (2 block - 36 storied)	272	4 BHK	41687.84	153.26	500 Watt	7.66kW	2084.39kW	50%	1042.20kW
		8	Pent House	2077.36	259.67	500 Watt	12.98kW	103.87kW	50%	51.93kW
	TOTAL- A	2088		236696.22				11834.81kW		5917.41kW
B	COMMERCIAL									
1	Commercial	1		2492.19	2492.19	1500 Watt	373.83 kW	373.83kW	75%	280.37kW
	TOTAL- B	1		2492.19				373.83kW		280.37kW
C	EV SYSTEM									
1	EV Load @ 7.4 KW (20% of Total)	700					7.40 kW	5180.00kW	40%	2072.00kW
	TOTAL- C	700						5180.00kW		2072.00kW
	TOTAL- A+B+C							12208.64kW		8269.78kW
TRANSFORMER SELECTION:										
Total Maximum Demand										8269.78kW
Power Factor @0.90										9,188.64 kVA
Total Maximum Demand										9,188.64 kVA
Loading Factor@80%										11,485.80 kVA
Proposed Transformer :										5 x 2500 KVA
D	Common Area Services									
1	Club							510.02kW	70%	357.02 kW
2	Podium Lighting & Power							50.00kW	70%	35.00 kW
3	Basement Lighting & Power Load							50.00kW	70%	35.00 kW
4	Basement Ventilation (Normal)							150.00kW	70%	105.00 kW
5	Tower Common area							225.00kW	70%	157.50 kW
6	STP & WTP Load							300.00kW	70%	210.00 kW
7	Fire Fighting(Less Fire)							20.00kW	70%	14.00 kW
8	External Lighting							25.00kW	70%	17.50 kW
9	Elevators 60 nos @ 20 kW							1200.00kW	70%	840.00 kW
	TOTAL-D							2530.02kW		1771.02kW
TRANSFORMER SELECTION:										
Total Maximum Demand										1,771.02 kW
Power Factor @0.90										1,967.80 kVA
Total Maximum Demand										1,967.80 kVA

For Gaursons India Pvt. Ltd.

Paradise Consultants



Authorised Signatory


HARIOM SHUKLA
 ARCHITECT
 CA/2012/55413
 Gaur Biz Park, Plot No. 1,
 Abhay Khand-II, Indrapuram Gzb.

Load as per Norms

PROPOSED GROUP HOUSING GH-13 AT YAMUNA EXPRESSWAY

S.no.	Tower no.	No. of Unit	Type of Unit	Total Area in sqm	Area per Unit	Load as per UPPCL per 10 sqm	Connected Load		Div.	Total Max. Demand
							C.L./Unit	Total C.L		
Loading Factor@80%										2,459.75 kVA
Proposed Transformer :										1x2500 KVA
TOTAL LOAD OF THE COMPLEX -(A+B+C+D)										10040.79kW
Power Factor @0.90										0.90
Total Maximum Demand in KVA										11,156.44 kVA

For Gaursons India Pvt. Ltd.



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 ARCHITECT
 CA/2012/55413
 Gaur Biz Park, Plot No. 1,
 Abhay Khand-II, Indirapuram Gzb.

PROJECT : PROPOSED GROUP HOUSING GH-13 AT YAMUNA EXPRESSWAY										
SOLAR POWER REQUIREMENT										
S.no.	Tower no.	No. of Unit	Type of Unit	Total Area in sqm	Area per Unit	Load as per UPPCL per 10 sqm	Connected Load		Div.	Total Max. Demand
							C.L./Unit	Total C.L		
A.	APARTMENTS									
1	Tower Type A (2 block - 34 Storied)	272	3 BHK	30393.38	111.74	500 Watt	5.59kW	1519.67kW	50%	759.83kW
2	Tower Type A (4 block - 36 storied)	576	3 BHK	64333.04	111.69	500 Watt	5.58kW	3216.65kW	50%	1608.33kW
3	Tower Type B (6 block - 34 storied)	816	3 BHK	83480.16	102.30	500 Watt	5.12kW	4174.01kW	50%	2087.00kW
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5	Tower Type C (2 block - 36 storied)	272	4 BHK	41687.84	153.26	500 Watt	7.66kW	2084.39kW	50%	1042.20kW
		8	Pent House	2077.36	259.67	500 Watt	12.98kW	103.87kW	50%	51.93kW
	TOTAL- A	2088		236696.22				11834.81kW		5917.41kW
B	COMMERCIAL									
1	Commercial	1		2492.19	2492.19	1500 Watt	373.83 kW	373.83kW	75%	280.37kW
	TOTAL- B	1		2492.19				373.83kW		280.37kW
C	EV SYSTEM									
1	EV Load @ 7.4 KW (20% of Total)	700					7.40 kW	5180.00kW	40%	2072.00kW
	TOTAL- C							5180.00kW		2072.00kW
	TOTAL- A+B+C							17388.64kW		8269.78kW
D	Common Area Services									
1	Club							510.02kW	70%	357.02 kW
2	Podium Lighting & Power							50.00kW	70%	35.00 kW
3	Basement Lighting & Power Load							50.00kW	70%	35.00 kW
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7	Fire Fighting(Less Fire)							20.00kW	70%	14.00 kW
8	External Lighting							25.00kW	70%	17.50 kW
9	Elevators 60 nos @ 20 kW							1200.00kW	70%	840.00 kW
	TOTAL-C							2530.02kW		1771.02kW
TOTAL LOAD OF THE COMPLEX -(A+B+C+D)										10040.79kW
Solar Power @ 1% of Total Demand										100.41 kW
TOTAL SOLAR POWER SAYS										100 kWp

For Gaursons India Pvt. Ltd.



Authorised Signatory


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 ARCHITECT
 CA/2012/55413
 Gaur Blz Park, Plot No. 1,
 Abhay Khand-II, Indrapuram Gzb.