

PROVIDENT EDGE

SHEET NO. : 01

SITE

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(PROVIDENT
EDGE)

ARCHITECTURAL
DESIGN- 06

FACULTY OF
ARCHITECTURE

DR. MGR
EDUCATIONAL AND
RESEARCH
INSTITUTE

FACULTY SIGN:

NAME: POOJA SN
PRATHIBHA S
REG NO. :
211011101025
211011101027
B.ARCH 4TH YEAR
7TH SEMESTER
BATCH: 2021-2026

INTRODUCTION :

THIS GATED COMMUNITY DESIGN AIMS TO CREATE A HARMONIOUS LIVING ENVIRONMENT THAT BLENDS COMFORT, SECURITY, AND SUSTAINABILITY. THE PROJECT INTEGRATES MODERN ARCHITECTURAL ELEMENTS WITH FUNCTIONAL URBAN PLANNING TO CATER TO DIVERSE RESIDENTIAL NEEDS.

KEY FEATURES INCLUDE:

SECURE LIVING: STRATEGICALLY PLANNED ENTRY/EXIT POINTS AND ADVANCED SECURITY MEASURES ENSURE A SAFE ENVIRONMENT.

COMMUNITY FOCUS: OPEN SPACES, RECREATIONAL AMENITIES, AND COMMUNAL FACILITIES FOSTER A SENSE OF TOGETHERNESS.

SUSTAINABILITY: INCORPORATING ENERGY-EFFICIENT SYSTEMS, AND ECO-FRIENDLY MATERIALS.

CONNECTIVITY: THOUGHTFUL LAYOUTS ENSURE SMOOTH VEHICULAR AND PEDESTRIAN FLOW, WHILE MAINTAINING PRIVACY.

THIS DESIGN PRIORITIZES QUALITY OF LIFE, BLENDING AESTHETIC APPEAL WITH PRACTICAL FUNCTIONALITY TO CREATE A VIBRANT AND INCLUSIVE RESIDENTIAL ENCLAVE.

CONCEPT

A CENTRALIZED LINEAR ORGANIZATION IN A GATED COMMUNITY REFERS TO A SPATIAL LAYOUT WHERE BUILDINGS, AMENITIES, AND PATHWAYS ARE ARRANGED ALONG A CENTRAL LINEAR AXIS. THIS APPROACH ENSURES ORDER, CONNECTIVITY, AND EASY NAVIGATION, CREATING A BALANCED AND COHESIVE ENVIRONMENT.

KEY FEATURES:

1. **ACCESSIBILITY:** PROVIDES DIRECT AND EFFICIENT ACCESS TO ALL PARTS OF THE COMMUNITY WHILE MINIMIZING UNNECESSARY TRAVEL.

2. **VISUAL COHESION:** THE DESIGN EMPHASIZES SYMMETRY AND HIERARCHY, ENHANCING AESTHETIC APPEAL.

3. **COMMUNITY INTERACTION:** THE CENTRAL AXIS OFTEN FUNCTIONS AS A SOCIAL HUB, ENCOURAGING INTERACTION AND FOSTERING A SENSE OF COMMUNITY.

4. **SECURITY:** EASIER TO MONITOR DUE TO ITS STRUCTURED AND PREDICTABLE LAYOUT.

PROVIDENT EDGE

THE IDEA IS TO ENSURE THE BUILDING REMAINS FUNCTIONAL, COST-EFFECTIVE, AND SUSTAINABLE FOR YEARS TO COME, BENEFITING BOTH ITS USERS AND THE ENVIRONMENT.

FEATURES:

- ENERGY EFFICIENCY
- WATER MANAGEMENT
- FLEXIBLE DESIGN
- SAFETY AND ACCESSIBILITY

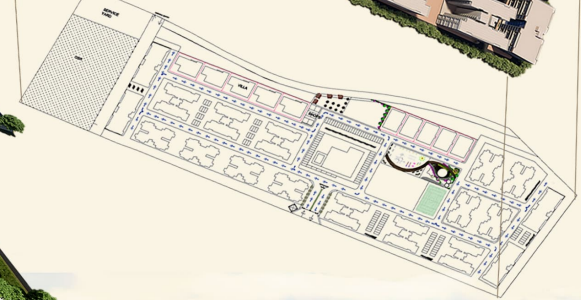
CALCULATION

- TOTAL SITE AREA: 16.7 AVRES(67.596 SQM)
- FSI: 2.5
- MAXIMUM BUILTUP AREA: 1,68,990 SQM
- FLOOR COVERAGE: 50%
- 1BHK - FLOOR AREA: 562 X 4 = 2248 SQM
NO. OF FLOORS: 8
BUILT UP AREA: 17,684 SQM
- 2BHK - FLOOR AREA: 454 X 8 = 3632 SQM
NO. OF FLOORS: 15
BUILT UP AREA: 54,480 SQM
- 3BHK - FLOOR AREA: 600 X 6 = 3600 SQM
NO. OF FLOORS: 13
BUILT UP AREA: 46,800 SQM
- VILLA 1 - PLOT AREA: 455 X 5 = 3275 SQM
NO. OF FLOORS: 6+2
BUILT UP AREA: 472 X 5 = 2360 SQM
- VILLA 2 - PLOT AREA: 4207 SQM
NO. OF FLOORS: 6+2
BUILT UP AREA: 503 X 5 = 2515 SQM
- CLUBHOUSE - 2309 SQM(3 FLOORS)
- SCHOOL -

SITE VIEWS



SITE SECTIONS



SITE ELEVATIONS



PROVIDENT EDGE

SHEET NO. : 02

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(PROVIDENT
EDGE)

ARCHITECTURAL
DESIGN- 06

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RESEARCH
INSTITUTE

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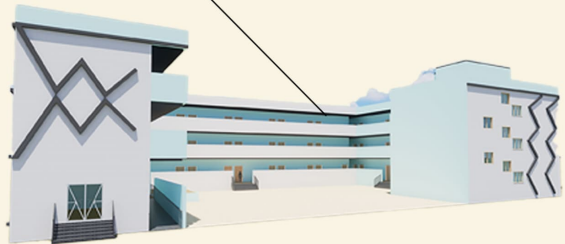
NAME: POOJA SN
PRATHIBHA S
REG NO. :
211011101025
211011101027
B.ARCH 4TH YEAR
7TH SEMESTER
BATCH: 2021-2026



SITE PLAN



- LEGEND:
1. ENTRY/EXIT
 2. CLUBHOUSE
 3. PRIMARY SCHOOL
 4. KIDS PARK
 5. GARDEN
 6. EVENT AREA
 7. FOOD KIOSK
 8. SHOPS
 9. 1BHK APARTMENT
 10. 2BHK APARTMENT
 11. 3BHK APARTMENT
 12. VILLA 1
 13. VILLA 2
- ROAD WIDTH: 7M
SETBACK: 9M



PROVIDENT EDGE

SHEET NO.: 03

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(PROVIDENT
EDGE) LIG

ARCHITECTURAL
DESIGN- 06

FACULTY OF
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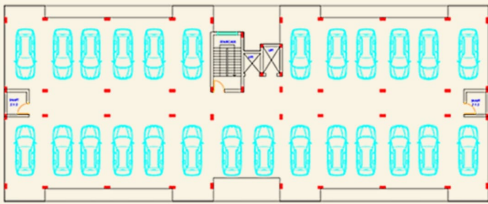
NAME: POOJA SN
PRATHIBHA S
REG NO.:
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211011101027
B.ARCH 4TH YEAR
7TH SEMESTER
BATCH: 2021-2026

THE LIG IS
DESIGNED TO
PROVIDE
AFFORDABLE
HOUSING
SOLUTIONS
WITHOUT
COMPROMISING ON
QUALITY.

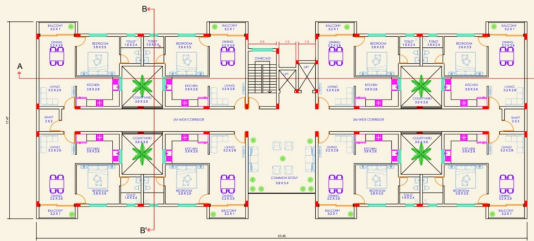
AREA: 6744 SQM
UNIT AREA: 49.6
SQM
NO. OF FLOORS:
STILT + 8
NO. OF UNITS: 64
PER BLOCK

FACILITIES:
STILT PARKING
COURTYARD
COMMON SITOUT
SMART HOME
TECHNOLOGY

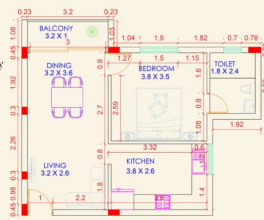
NO.	DESCRIPTION	QTY
1	STILT PARKING	64
2	COURTYARD	1
3	COMMON SITOUT	1
4	SMART HOME TECHNOLOGY	1



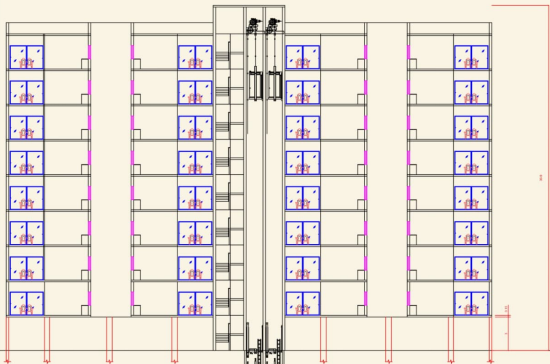
STILT PLAN



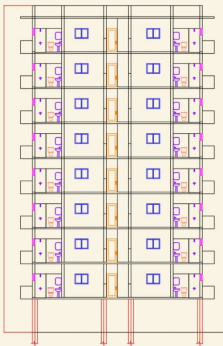
TYPICAL FLOOR PLAN



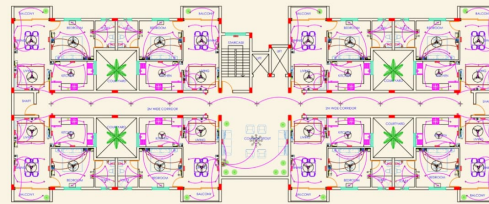
UNIT PLAN



SECTION AA'



SECTION BB'



ELECTRICAL LAYOUT



ELEVATION 1

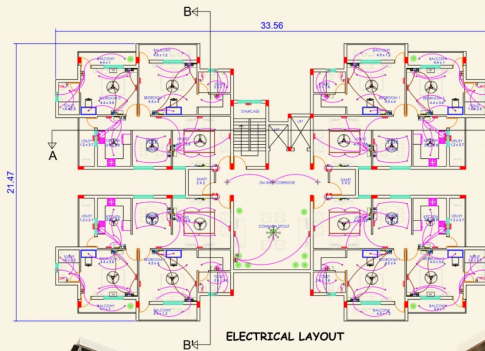
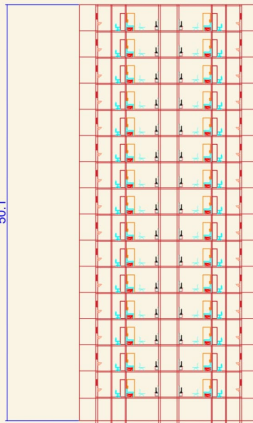
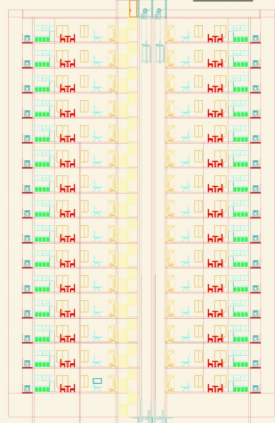
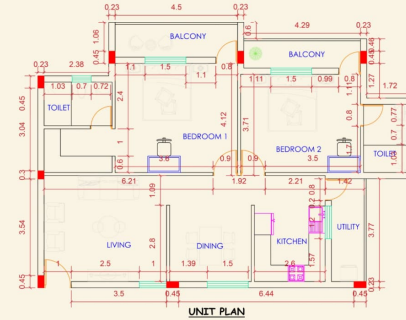
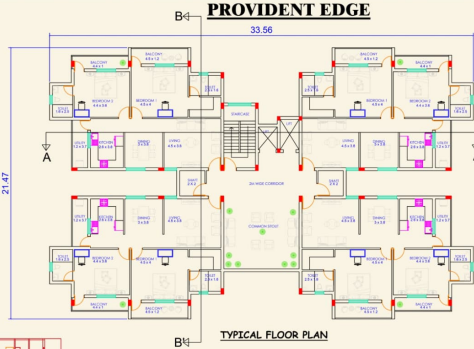
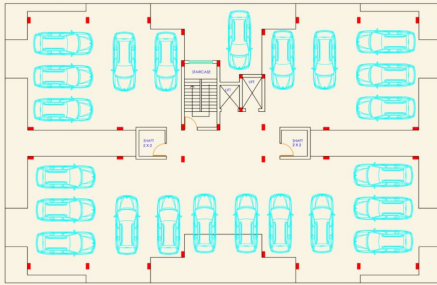


ELEVATION 2



KEY PLAN





DATA REQUIRED ASSIGNMENT

Symbol	Description	Qty/Bedrooms	Qty/Bedrooms
1	One way ceiling light fixture	10	10
2	Two way ceiling light fixture	10	10
3	Three way ceiling light fixture	10	10
4	Recessed ceiling light fixture	10	10
5	Recessed ceiling light fixture	10	10
6	Recessed ceiling light fixture	10	10
7	Recessed ceiling light fixture	10	10
8	Recessed ceiling light fixture	10	10
9	Recessed ceiling light fixture	10	10
10	Recessed ceiling light fixture	10	10
11	Recessed ceiling light fixture	10	10
12	Recessed ceiling light fixture	10	10
13	Recessed ceiling light fixture	10	10
14	Recessed ceiling light fixture	10	10
15	Recessed ceiling light fixture	10	10
16	Recessed ceiling light fixture	10	10
17	Recessed ceiling light fixture	10	10
18	Recessed ceiling light fixture	10	10
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36	Recessed ceiling light fixture	10	10
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39	Recessed ceiling light fixture	10	10
40	Recessed ceiling light fixture	10	10
41	Recessed ceiling light fixture	10	10
42	Recessed ceiling light fixture	10	10
43	Recessed ceiling light fixture	10	10
44	Recessed ceiling light fixture	10	10
45	Recessed ceiling light fixture	10	10
46	Recessed ceiling light fixture	10	10
47	Recessed ceiling light fixture	10	10
48	Recessed ceiling light fixture	10	10
49	Recessed ceiling light fixture	10	10
50	Recessed ceiling light fixture	10	10

THE MIG BLOCK IS DESIGNED TO PROVIDE MIDDLE INCOME FAMILIES WITH COMFORTABLE MODERN HOMES

AREA: 5445.65SQM
UNIT AREA: 96 SQM
NO. OF FLOORS: STILT + 15
NO. OF UNITS: 60 PER BLOCK

FACILITIES:
STILT PARKING
COMMON SITUOT
SMART HOME TECHNOLOGY



PROVIDENT EDGE

SHEET NO.: 05

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(PROVIDENT
EDGE) HIG

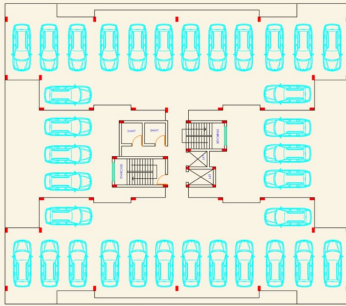
ARCHITECTURAL
DESIGN- 06

FACULTY OF
ARCHITECTURE

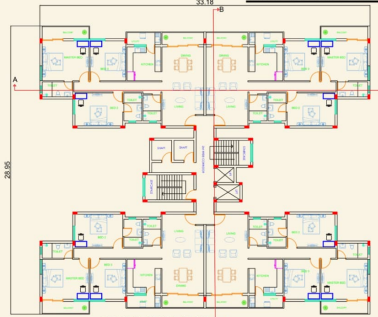
DR. MGR
EDUCATIONAL AND
RESEARCH
INSTITUTE

FACULTY SIGN:

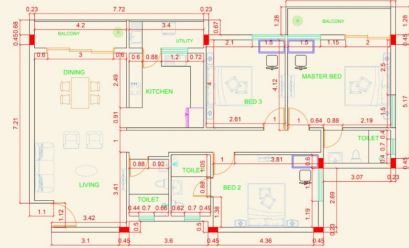
NAME: POOJA SN
PRATHIBHA S
REG NO.:
211011101025
211011101027
B.ARCH 4TH YEAR
7TH SEMESTER
BATCH: 2021-2026



STILT PLAN



TYPICAL FLOOR PLAN

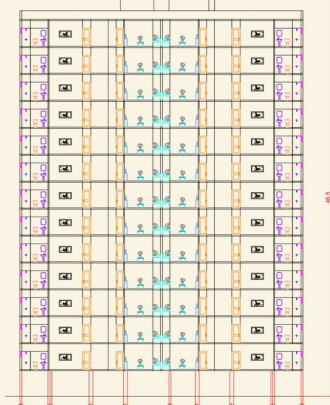


UNIT PLAN

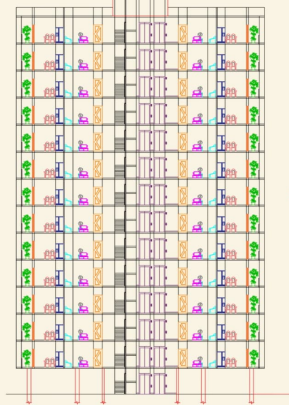
THE HIG BLOCK IS
DESIGNED FOR HIGHER
INCOME FAMILIES
SEEKING A
SOPHISTICATED AND
LUXURIOUS LIFESTYLE.

AREA: 7200SQM
UNIT AREA: 120 SQM
NO. OF FLOORS: STILT +
13
NO. OF UNITS: 52 PER
BLOCK

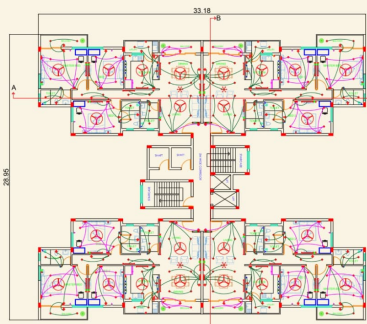
FACILITIES:
STILT PARKING
SMART HOME
TECHNOLOGY



SECTION AA'

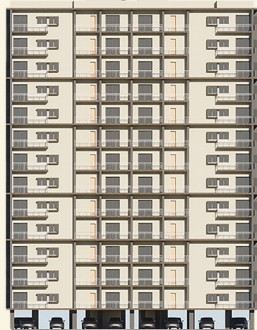


SECTION BB'

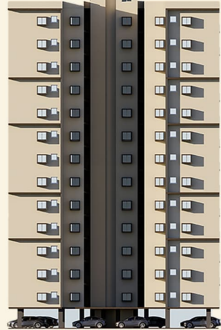


ELECTRICAL LAYOUT

ELECTRICAL LEGEND	
	CEILING FAN
	FLUORESCENT LAMP
	CEILING LIGHT
	WALL BRACKET LIGHT
	BELL PUSH
	TV OUTLET
	TELEPHONE POINT
	SP SWITCH
	TWO WAY SWITCH
	240v/5A SOCKET WITH SWITCH
	6A SOCKET
	GEYSER SWITCH
	GEYSER SOCKET
	A/C SOCKET WITH SWITCH
	WASHING LIGHT - ONLY WEL OUTLET
	6A SOCKET FOR ADUARD
	EXHAUST FAN
	CHANDLER LIGHT



ELEVATION 1



ELEVATION 2



KEY PLAN

PROVIDENT EDGE

SHEET NO.: 06

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(PROVIDENT EDGE) VILLA 1

ARCHITECTURAL DESIGN- 06

FACULTY OF ARCHITECTURE

DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE

FACULTY SIGN:

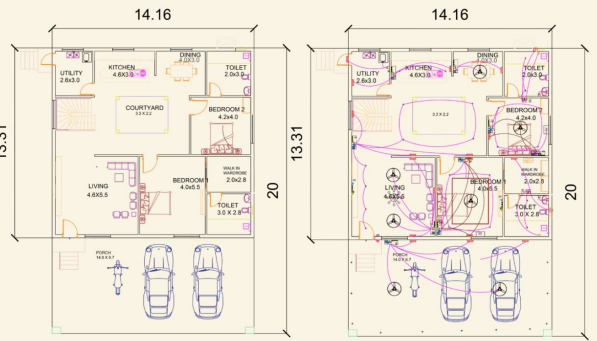
NAME: POOJA SN PRATHIBHA S
REG NO.: 211011101025
211011101027
B.ARCH 4TH YEAR
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THE VILLAS IN OUR GATED COMMUNITY ARE DESIGNED TO PROVIDE AN UNPARALLELED LIVING EXPERIENCE, OFFERING PRIVACY, SPACIOUSNESS, AND ELEGANCE. EACH VILLA COMBINES ARCHITECTURAL EXCELLENCE WITH PREMIUM AMENITIES, CATERING TO THOSE SEEKING A SOPHISTICATED LIFESTYLE.

NO. OF FLOORS: G+1
FACILITIES:

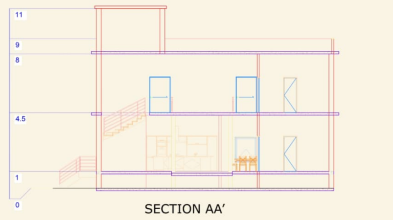
SEPARATE CAR AND BIKE PARKING
SMART HOME
HOME THEATRE
GYM
SITOUT
COURTYARD

TOTAL NO.OF UNITS: 5

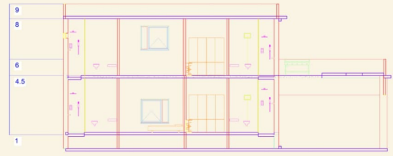


GROUND FLOOR

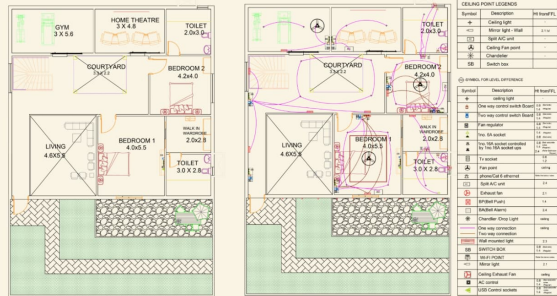
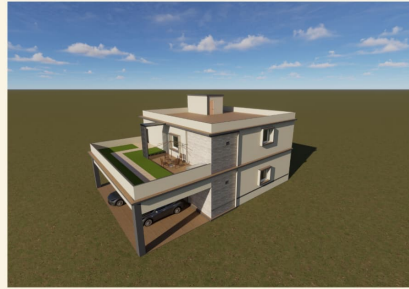
GROUND FLOOR ELECTRICAL LAYOUT



SECTION AA'

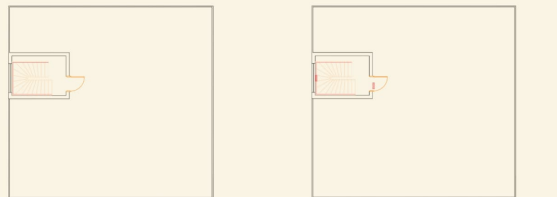


SECTION BB'



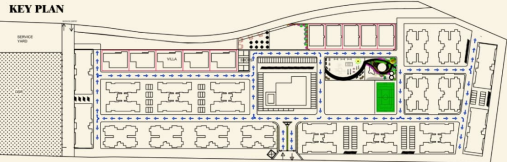
FIRST FLOOR

FIRST FLOOR ELECTRICAL LAYOUT



TERRACE FLOOR

TERRACE FLOOR ELECTRICAL LAYOUT



KEY PLAN

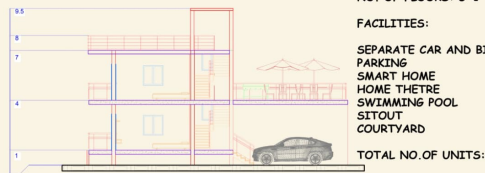


NO. OF FLOORS: 6+1

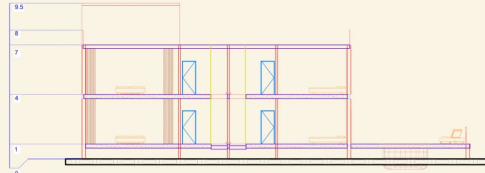
FACILITIES:

- SEPARATE CAR AND BIKE PARKING
- SMART HOME
- HOME THEATRE
- SWIMMING POOL
- SITOUT COURTYARD

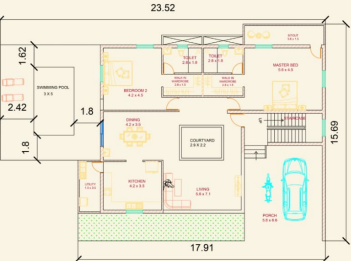
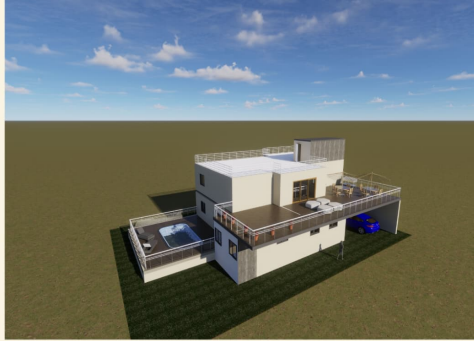
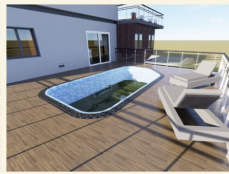
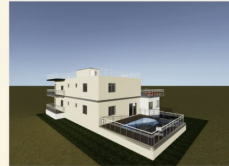
TOTAL NO.OF UNITS: 5



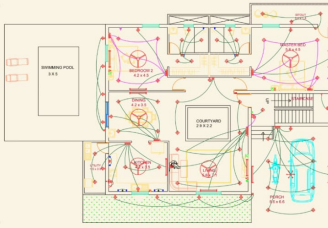
SECTION AA'



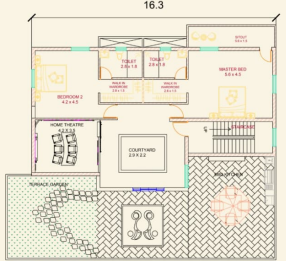
SECTION BB'



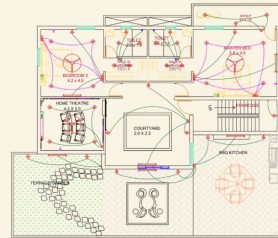
GROUND FLOOR



ELECTRICAL LAYOUT(GROUND FLOOR)



FIRST FLOOR



ELECTRICAL LAYOUT(FIRST FLOOR)

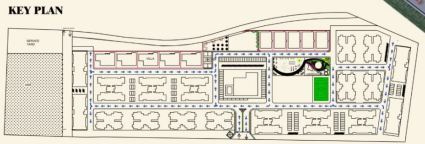
CEILING POINT LEGENDS		
Symbol	Dimension	In height/Ft.
CL	Chandelier	2.10
CL1	Chandelier	2.10
CL2	Chandelier	2.10
CL3	Chandelier	2.10
CL4	Chandelier	2.10
CL5	Chandelier	2.10
CL6	Chandelier	2.10
CL7	Chandelier	2.10
CL8	Chandelier	2.10
CL9	Chandelier	2.10
CL10	Chandelier	2.10
CL11	Chandelier	2.10
CL12	Chandelier	2.10
CL13	Chandelier	2.10
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CL16	Chandelier	2.10
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CL22	Chandelier	2.10
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CL27	Chandelier	2.10
CL28	Chandelier	2.10
CL29	Chandelier	2.10
CL30	Chandelier	2.10
CL31	Chandelier	2.10
CL32	Chandelier	2.10
CL33	Chandelier	2.10
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CL36	Chandelier	2.10
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CL43	Chandelier	2.10
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CL45	Chandelier	2.10
CL46	Chandelier	2.10
CL47	Chandelier	2.10
CL48	Chandelier	2.10
CL49	Chandelier	2.10
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CL51	Chandelier	2.10
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CL53	Chandelier	2.10
CL54	Chandelier	2.10
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CL58	Chandelier	2.10
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CL60	Chandelier	2.10
CL61	Chandelier	2.10
CL62	Chandelier	2.10
CL63	Chandelier	2.10
CL64	Chandelier	2.10
CL65	Chandelier	2.10
CL66	Chandelier	2.10
CL67	Chandelier	2.10
CL68	Chandelier	2.10
CL69	Chandelier	2.10
CL70	Chandelier	2.10
CL71	Chandelier	2.10
CL72	Chandelier	2.10
CL73	Chandelier	2.10
CL74	Chandelier	2.10
CL75	Chandelier	2.10
CL76	Chandelier	2.10
CL77	Chandelier	2.10
CL78	Chandelier	2.10
CL79	Chandelier	2.10
CL80	Chandelier	2.10
CL81	Chandelier	2.10
CL82	Chandelier	2.10
CL83	Chandelier	2.10
CL84	Chandelier	2.10
CL85	Chandelier	2.10
CL86	Chandelier	2.10
CL87	Chandelier	2.10
CL88	Chandelier	2.10
CL89	Chandelier	2.10
CL90	Chandelier	2.10
CL91	Chandelier	2.10
CL92	Chandelier	2.10
CL93	Chandelier	2.10
CL94	Chandelier	2.10
CL95	Chandelier	2.10
CL96	Chandelier	2.10
CL97	Chandelier	2.10
CL98	Chandelier	2.10
CL99	Chandelier	2.10
CL100	Chandelier	2.10



TERRACE PLAN

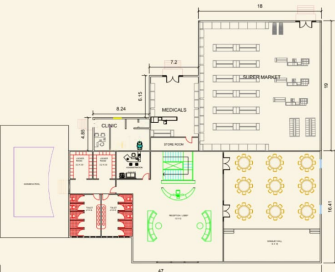


ELECTRICAL LAYOUT(TERRACE)

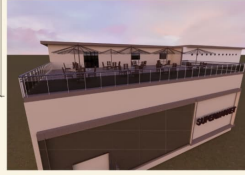


KEY PLAN

PROVIDENT EDGE



GROUND FLOOR



FOOD KIOSK



PARK



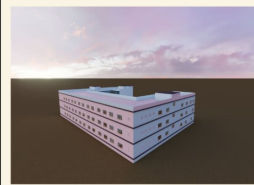
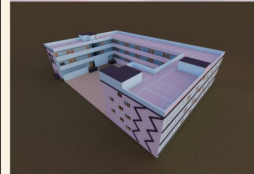
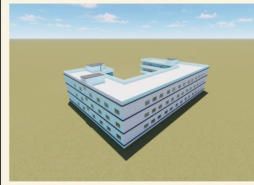
GARDEN



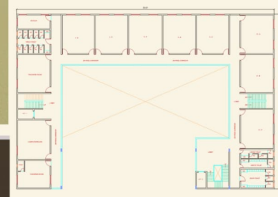
EVENT SPACE



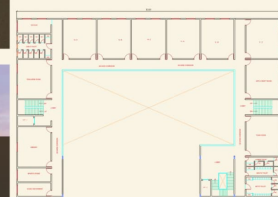
SHOPS



GROUND FLOOR

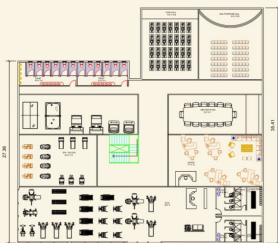


FIRST FLOOR

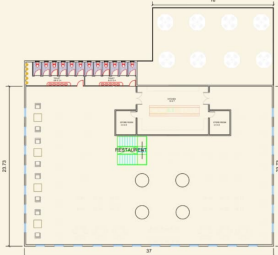


SECOND FLOOR

C
L
U
B
H
O
U
S
E



FIRST FLOOR



SECOND FLOOR



SECTION AA'



KEY PLAN

P
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SHEET NO. : 08

G
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C
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T
Y

(PROVIDENT
EDGE) AMENITIES

ARCHITECTURAL
DESIGN- 06

FACULTY OF
ARCHITECTURE

DR. MGR
EDUCATIONAL AND
RESEARCH
INSTITUTE

FACULTY SIGN:

NAME: POOJA SN
PRATHIBA S
REG NO.:
211011101025
211011101027
B.ARCH 4TH YEAR
7TH SEMESTER
BATCH: 2021-2026

SECTION AA'

ELEVATION