

ARCHITECTURE PORTFOLIO

GOVARDHINI BALAKRISHNAN



ABOUT ME

HI, I'M GOVARDHINI BALAKRISHNAN, AN ASPIRING ARCHITECTURE STUDENT. I LIKE THE CONCEPTS THAT ARE MINIMAL AND FUNCTIONAL.

FINDING CREATIVITY AS MY STRONG DOMAIN, I DISCOVERED THE WORLD OF DESIGN WHERE I TRULY LEARNED TO FLUORISH AND PUSH MY LIMITS. LEARNING SEVERAL TOOLS AND METHODS HELPED ME IN MY INTEREST TOWARDS BIM ARCHITECTURE.

AS A CURIOUS PERSON, I FIND PROBLEM SOLVING IN THE FIELD OF DESIGN AND ARCHITECTURE VERY STIMULATING, MAKING ME INTERESTED TO LEARN THE PRACTICAL AND TECHNICAL ASPECTS. I'M LOOKING FOR AN OPPORTUNITY TO LEATN, TRAVEL AND EXPERIENCE AS A NEXT STEP TOWARDS MY DREAM.

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RAMANATHAPURAM, TAMILNADU

Govardhini Balakrishnan

GOVARDHINI BALAKRISHNAN



EDUCATION

B.ARCH - SCHOOL OF ARCHITECTURE AND PLANNING



WORKSHOPS

ENVIRONMENT & DEVELOPMENT / NPTEL / IIT GUWAHATI

HISTORY OF CONTEMPORARY ARCHITECTURE

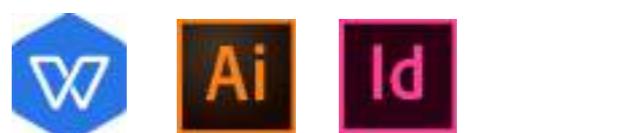
LIME PLASTERING WORKSHOP / STUDIO TYTO

ARCHITECTURE CONSTRUCTION DRAWING

REVIT AND BIM ADVANCE COURSE



SOFTWARE SKILLS



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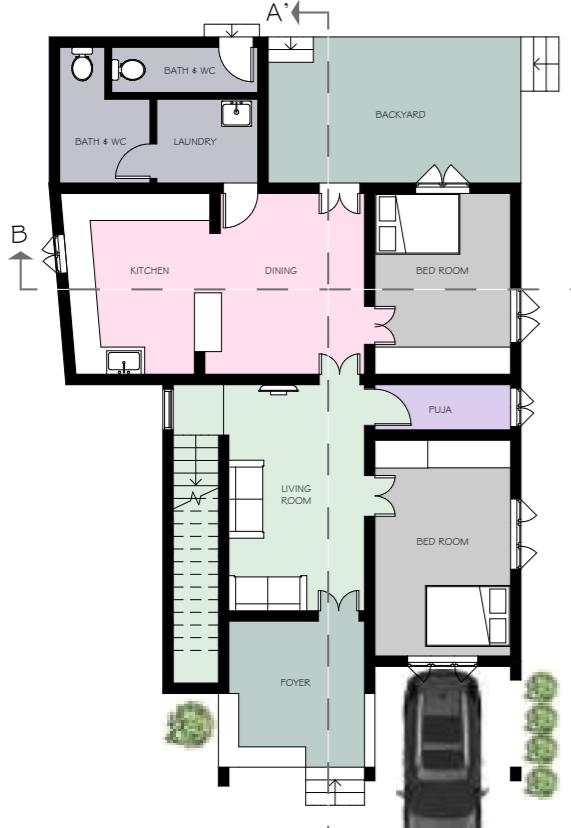
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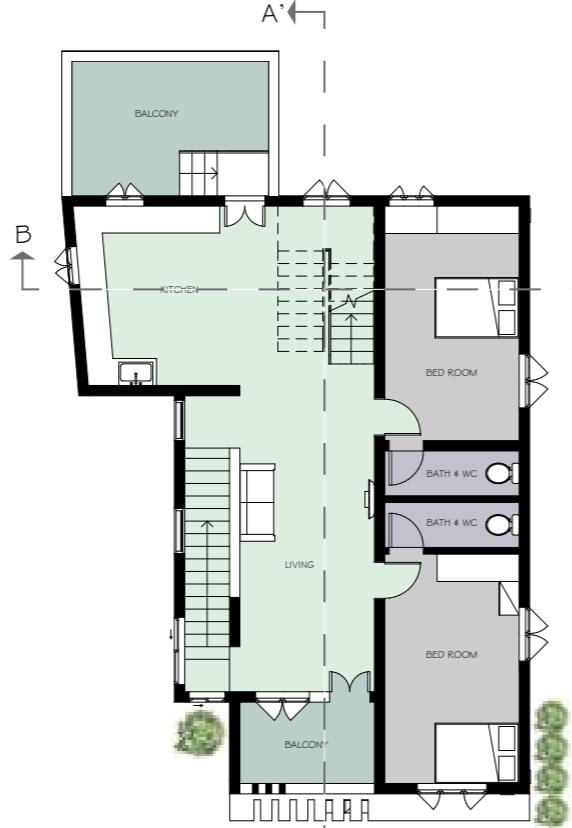
RESIDENCE PROJECT

RESIDENCE PROJECT

SITE LOCATION - RAMANATHAPURAM
COMPLETED YEAR - 2022



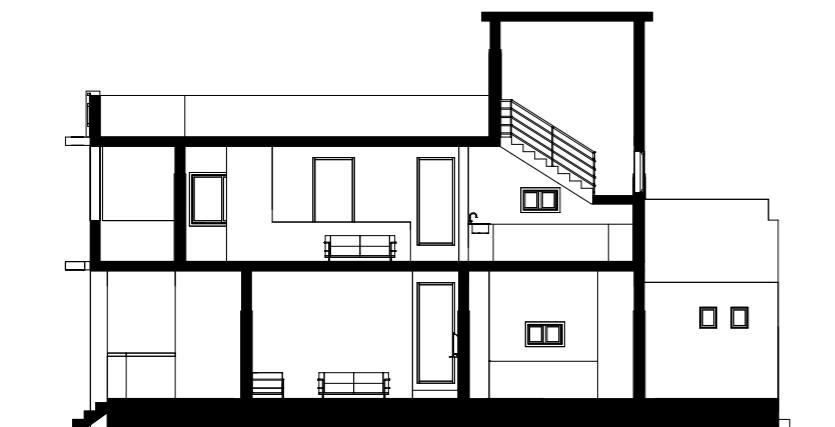
GROUND FLOORPLAN



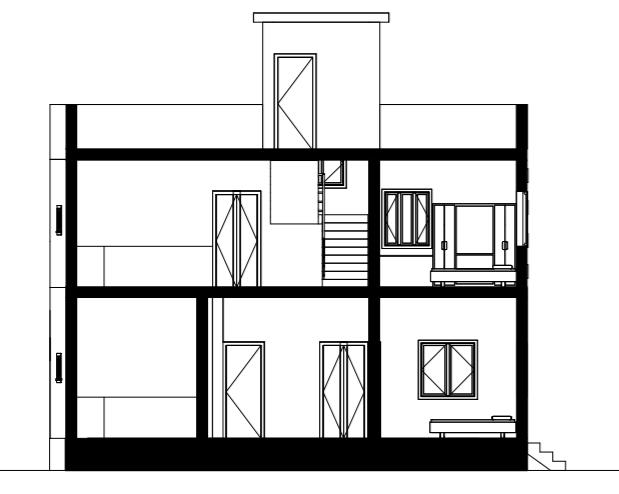
FIRST FLOORPLAN

A COMPLETED PROJECT CONSISTING OF SPACES WHICH LEADS TO AN OPEN SPACE AT BOTH THE SIDES WITH SIMPLE VOLUMES. IT'S VALUE DOESN'T DEPEND ON DRAMATIC LANDSCAPING OR VIEWS, BUT ON THOUGHTFUL DESIGN AND ATTENTION TO SOLVING EVERYDAY PROBLEMS.

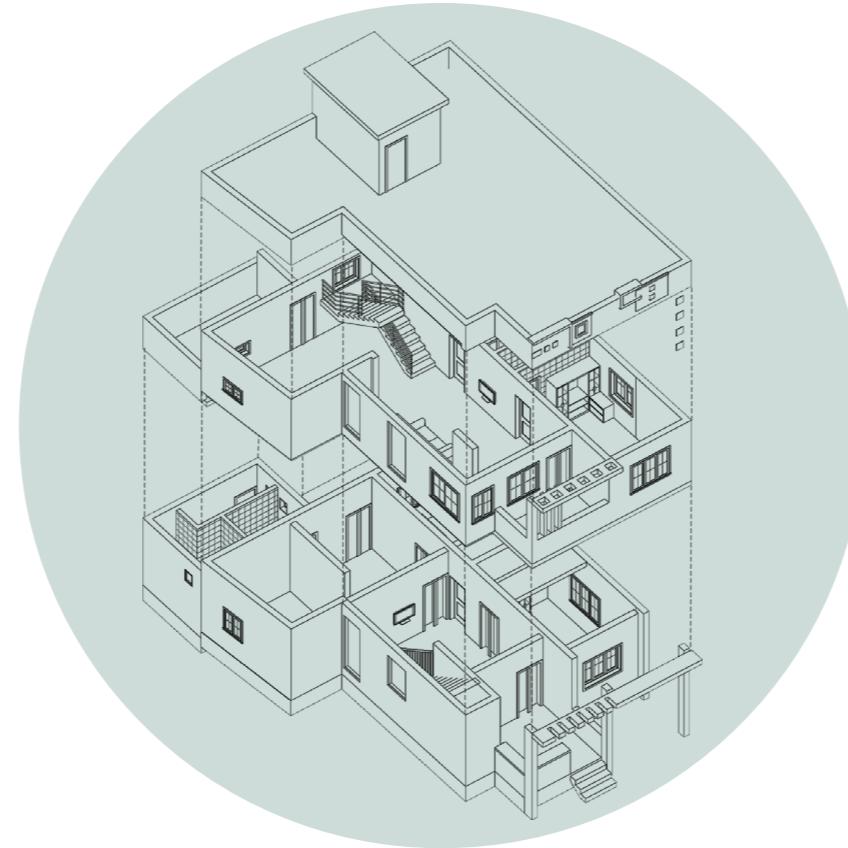
THE EXISTING BUILDING IS ALREADY A 2BHK WITH OUTWARD ACCESS TO THE TERRACE. IT IS NOW RENOVATED AND GIVEN ACCESS INTERNALLY BASED ON THE REQUIREMENTS AND IS NOW A 4BHK RESIDENCE. IT IS RENOVATED BASED ON THE FUNCTIONAL ASPECTS LEADING TO THE FORM AND ELEVATION OF THE HOUSE.



SECTION AA'



SECTION AA'



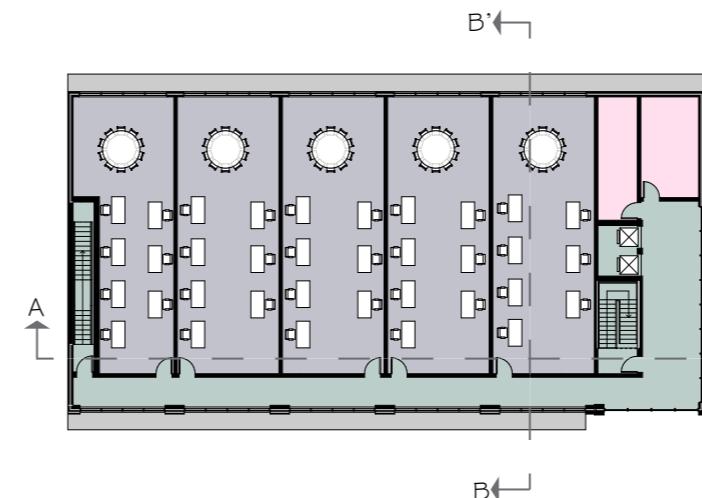
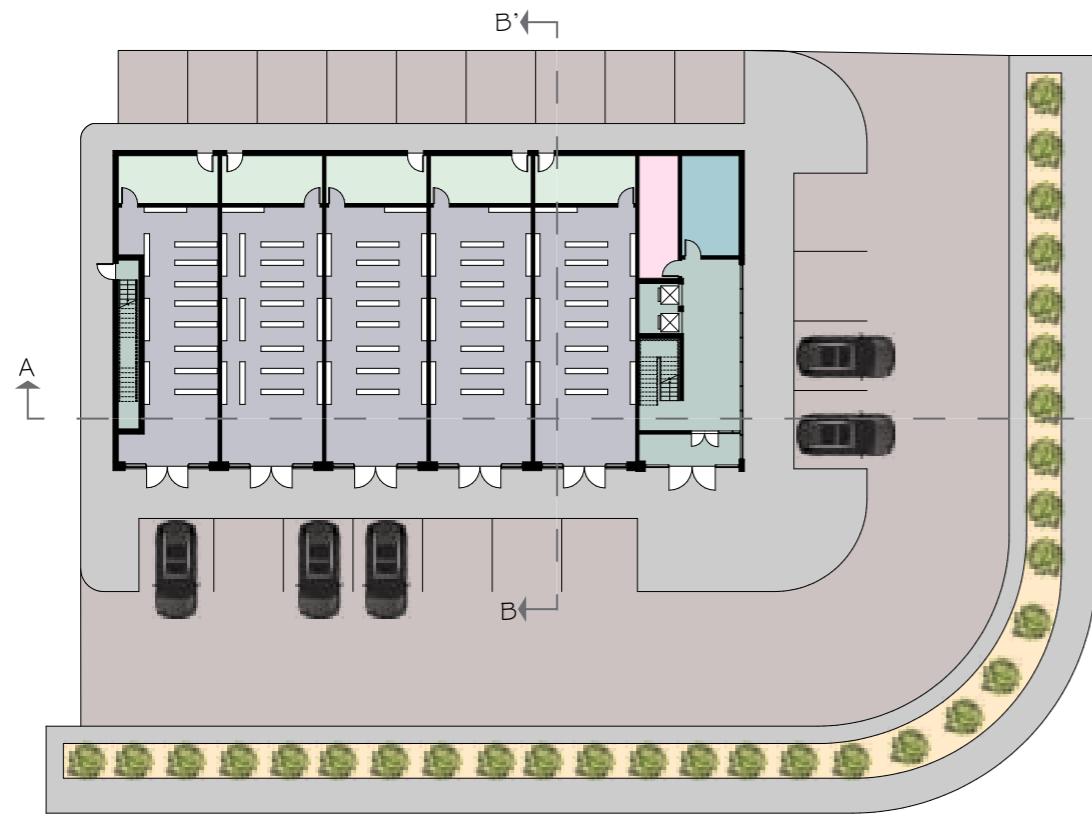
THIS DEPICTS THE INTERNAL FLOW AND DISTRIBUTION OF SPACES WITHIN THE BUILDING.



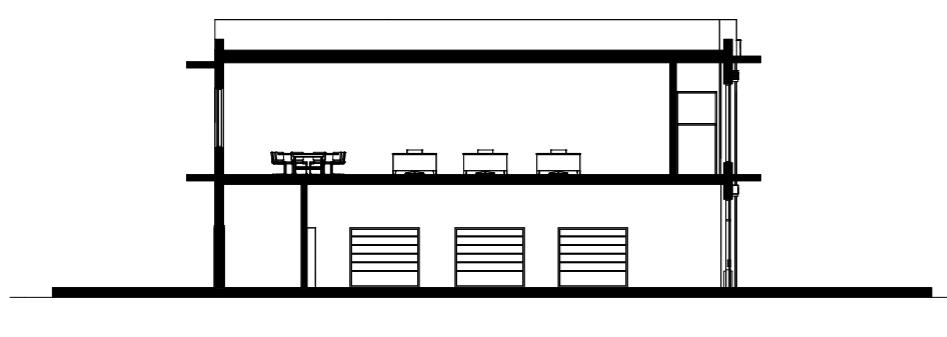
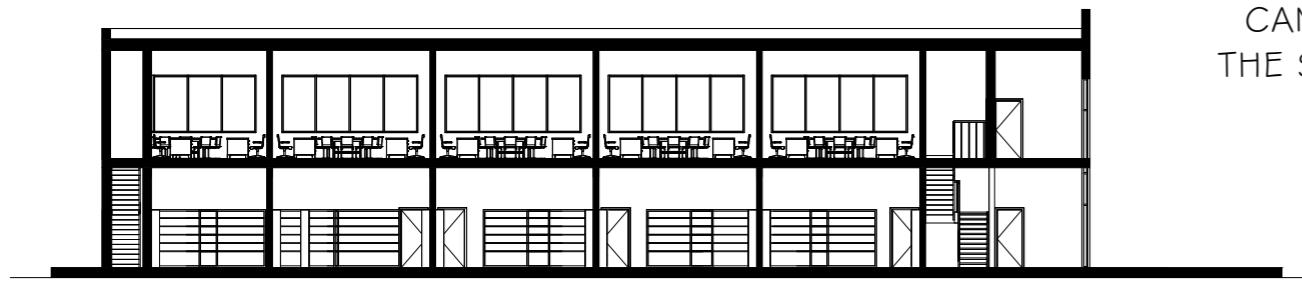
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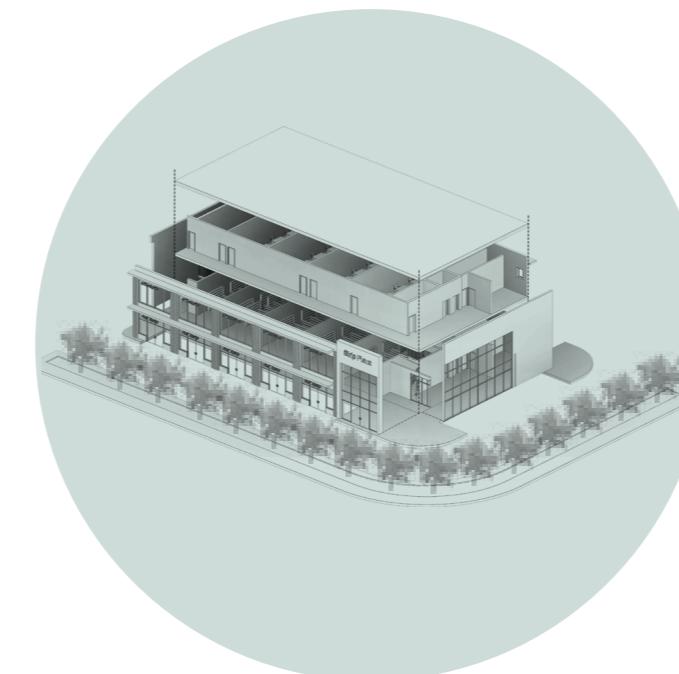
PLAZA PROJECT



THE PLAZA IS DESIGNED IN A WAY THAT THE SPACES BELOW ARE THE RETAIL SHOPS WHICH CAN BE INTER-LINKED BASED ON THE TYPE OF THE RETAIL SPACE AND THE FIRST FLOOR HAS OFFICE SPACES WHICH CAN ALSO ACT AS A WORKING SPACE FOR THE STUDENTS WITH SOME READING SPOTS.



THE PLAZA CONSISTS OF RETAIL SPACE AT GROUND FLOOR AND THE OFFICE SPACE AT THE FIRST FLOOR.



03



OFFICE PROJECT

OFFICE PROJECT

03

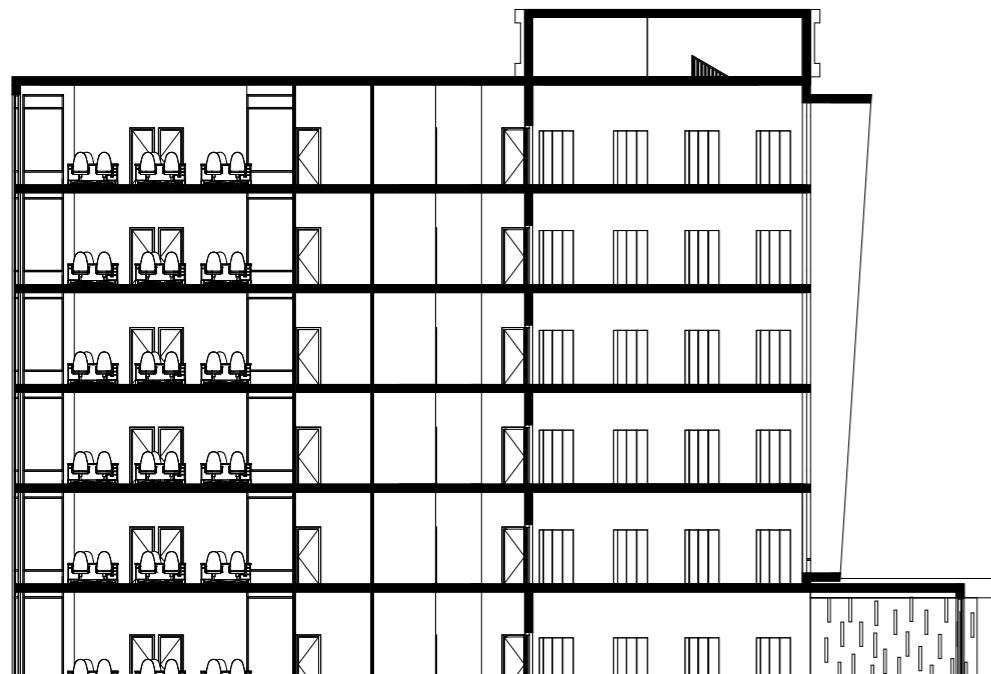


GROUND FLOORPLAN



1ST TO 5TH FLOORPLAN

THE PANELED GRID WITH EQUAL DIMENSIONS FOR HORIZONTAL AND VERTICAL WIDTHS ALLOWS FOR GENEROUS DAYLIGHT CONDITIONS ON ALL FLOORS WHILE THE WOOD VENEER CREATES A SOFT AND GENTLE CONTRAST TO THE SURROUNDINGS.

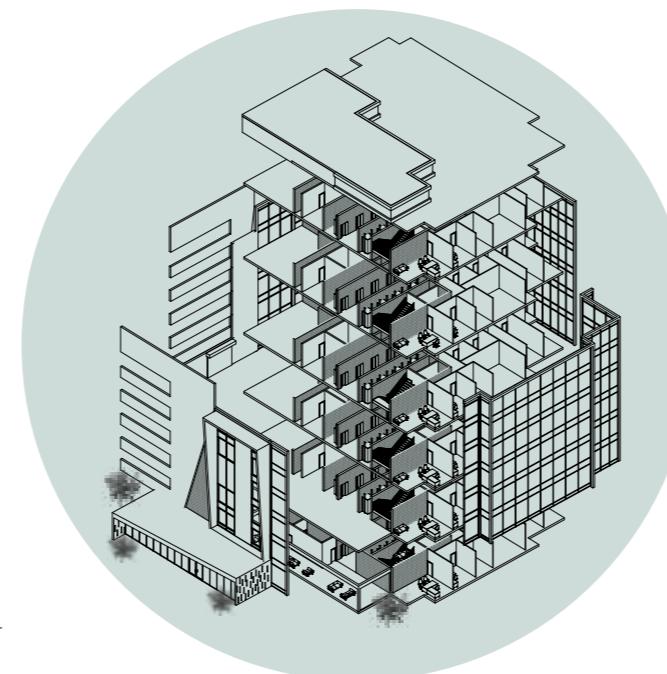


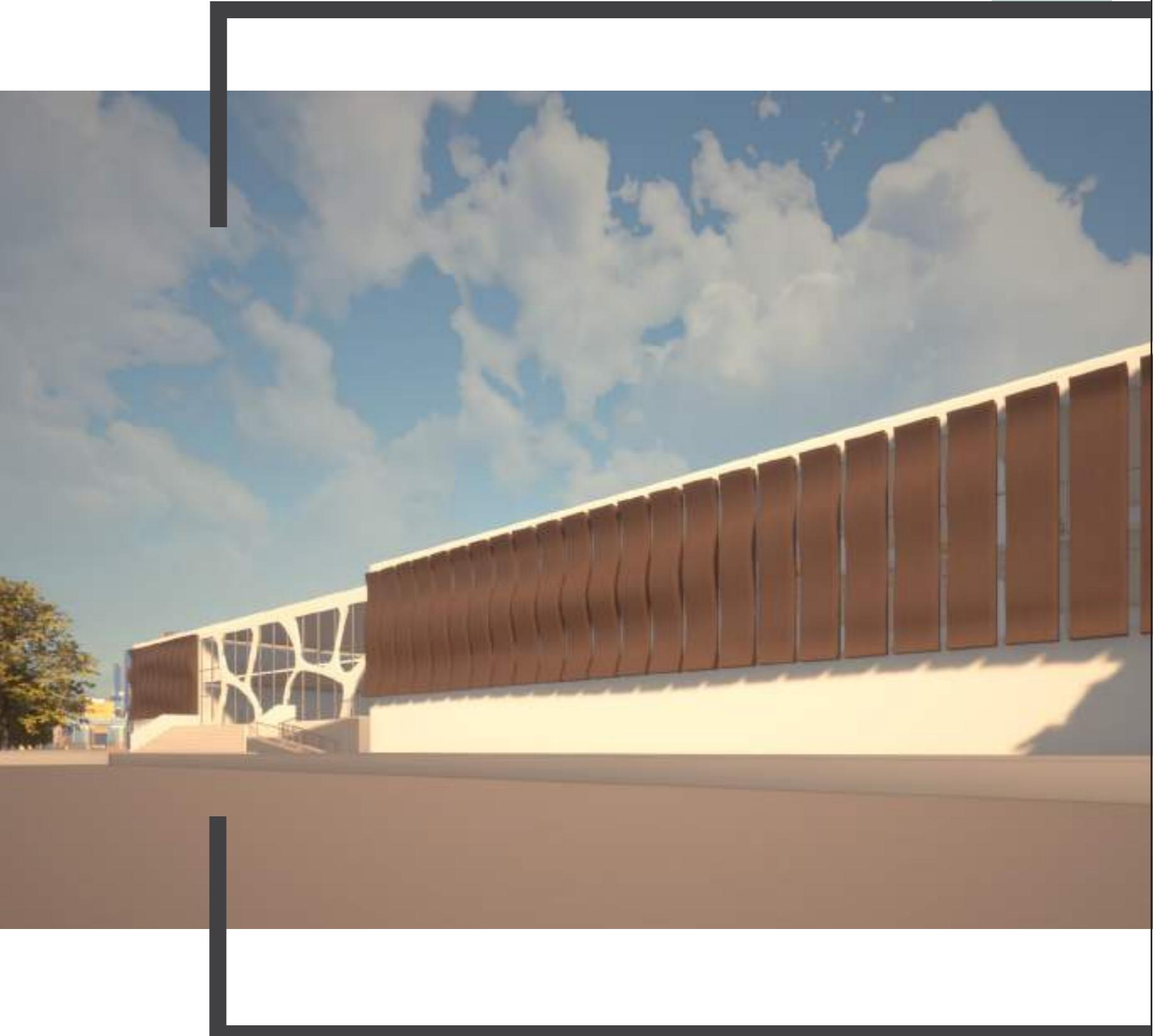
SECTION AA'

THE AIM WAS TO DEVELOP AN ATTRACTIVE, USER-FRIENDLY, UNIFYING PROJECT WHICH ENCOURAGES PLEASURE IN WORKING, BOTH ALONE AND AS PART OF A TEAM. THE STRUCTURE IS DESIGNED FOR USE, CHANGE AND ALLOWING FOR PROGRAM RETROFIT AT ANY GIVEN TIME BUT WITHOUT COMPROMISING SPATIAL QUALITIES AND MAIN TECHNICAL REQUIREMENTS.



THE REPETITION AND THE SIMPLICITY IS DERIVED FROM THE CONCEPT OF UNIVERSAL SPACE AND FLEXIBLE USE. THE FAÇADE INVESTIGATES THE CONCEPT OF REGULARITY AND REPETITION WITH THE PRE-FABRICATED WINDOWS AND ALUMINIUM FAÇADE PANELS.





CONVENTION CENTER

CONVENTION CENTER

SITE LOCATION - CHENNAI

NEIGHBOURHOOD CONTEXT

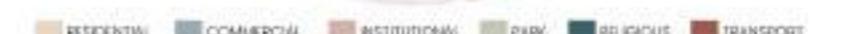
BUILDING USAGE, ROADS AND LANDMARKS



- 1 TTH STREET
 - 2 3RD MAIN ROAD
 - 3 SERVICE ROAD
 - 4 ANNA NAGAR ROUNTABOUT
 - 5 ANNA NAGAR EAST METRO
 - 6 KANDHANAYI COLLEGE
 - 7 CONNECTIONS
 - 8 TOWER PARK EAST ENTRANCE
 - 9 ANNA NAGAR TOWER PARK
 - 10 MASSEI JAWED PALLIVASAL

INFERENCE

- Site located in a majorly residential area with commercial blocks along the main roads.
 - Site is located right next to the Arma Nagar Tower park which is an important landmark and is widely used by the residents of this area
 - major users can be attracted from the park
 - Residential area - people belonging to all age groups use the park -> potential users of this project.
 - Although it has a frontage that opens up to the main avenue, the site is quite introverted; flanked by residences on the northern and southern sides as well as the trees that cover the site from almost all the sides.
 - Convenient for people from other parts of the city to visit as the site is along the metro route with stations in close proximity.



SENSORY



- INFERENCES:**

 - THE TREES ON THE EAST-SIDE ACT AS A BUFFER FROM THE NOISE AND POLLUTION FROM THE MAIN ROAD.
 - QUIET SURROUNDINGS DUE TO PRESENCE OF RESIDENTIAL AREA ON TWO SIDES.
 - SITE CAN OFFER VIEWS INTO THE TOWER PARK.
 - CAN PROVIDE A TRANSPARENT VIEW THROUGH THE EAST-WEST AXIS OF THE SITE.
 - MINIMAL NOISE FROM PARK SIDE ROAD SINCE THERE IS ONLY PUBLIC MOVEMENT AND MINIMAL VEHICLE MOVEMENT.
 - THIRD AVENUE MAIN ROAD IS THE MOST NOISY AND CROWDED ROAD.

SITE CONTEXT

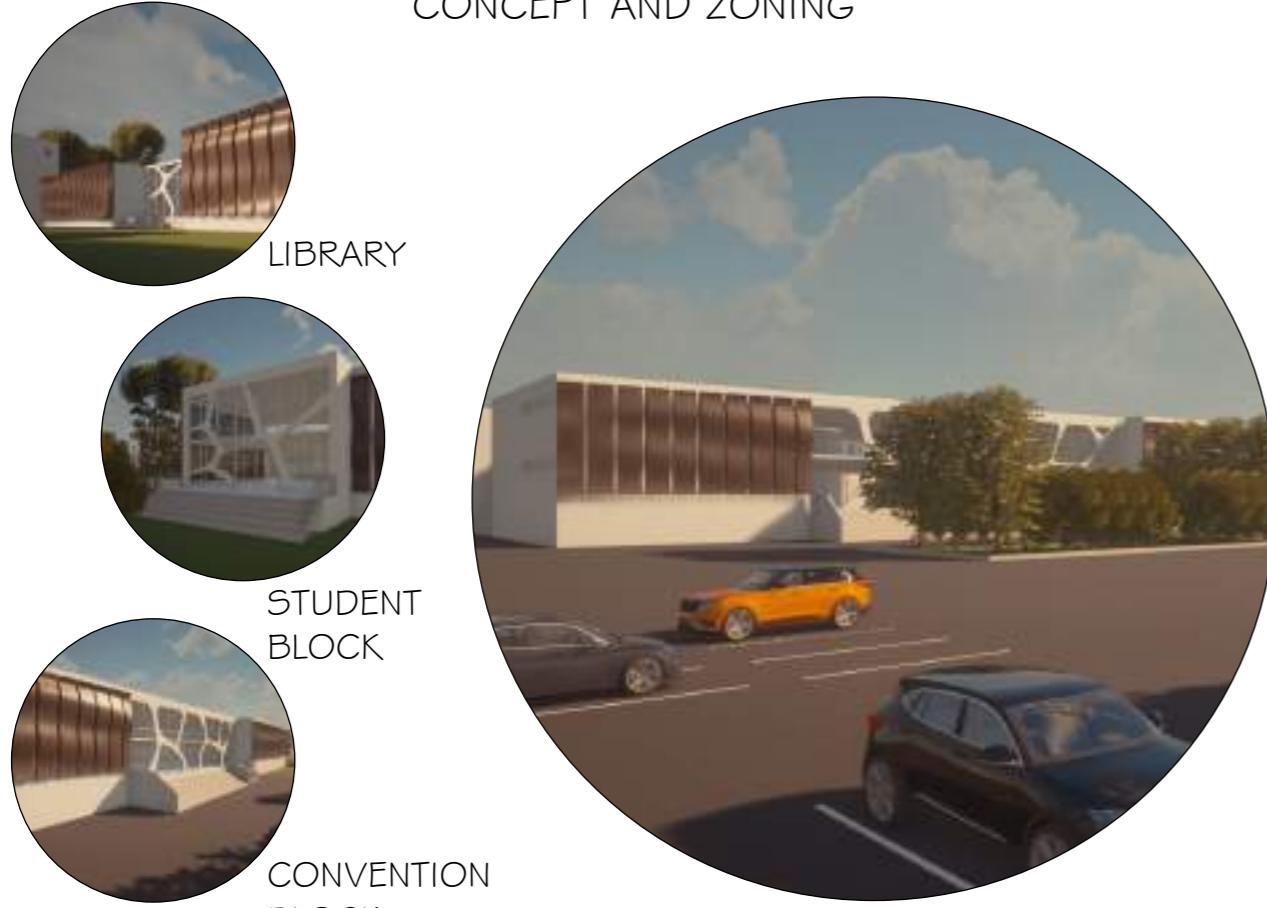
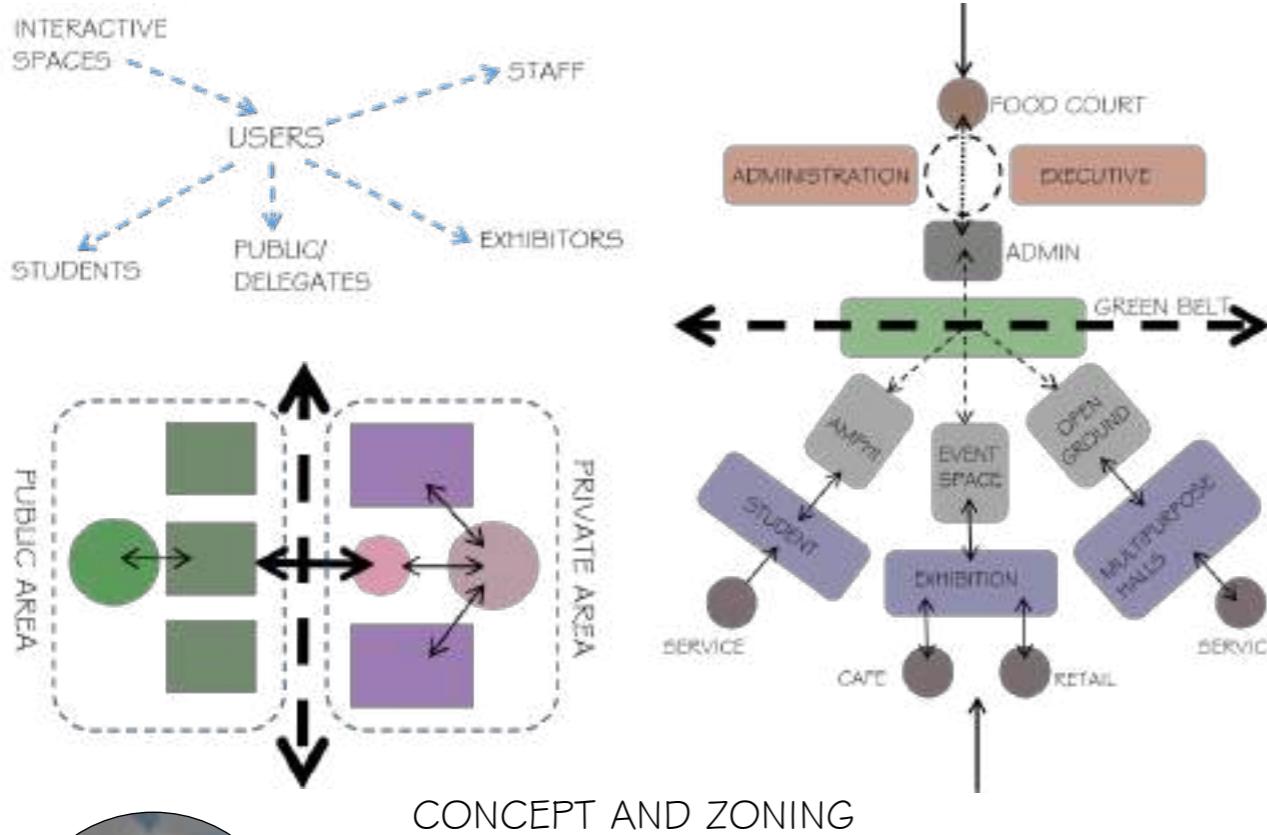


AIM :

TO BRIDGE THE GAP BETWEEN DIFFERENT USER GROUPS LIKE STUDENTS, DELEGATES AND PROFESSIONALS BY DESIGNING A SINGLE PLATFORM CAPABLE OF ACCOMODATING VERSATILE FUNCTIONS AND STIMULATES RESOURCEFUL INTERACTIONS.

CONVENTION CENTER

SITE LOCATION - CHENNAI



DESIGN OBJECTIVES :

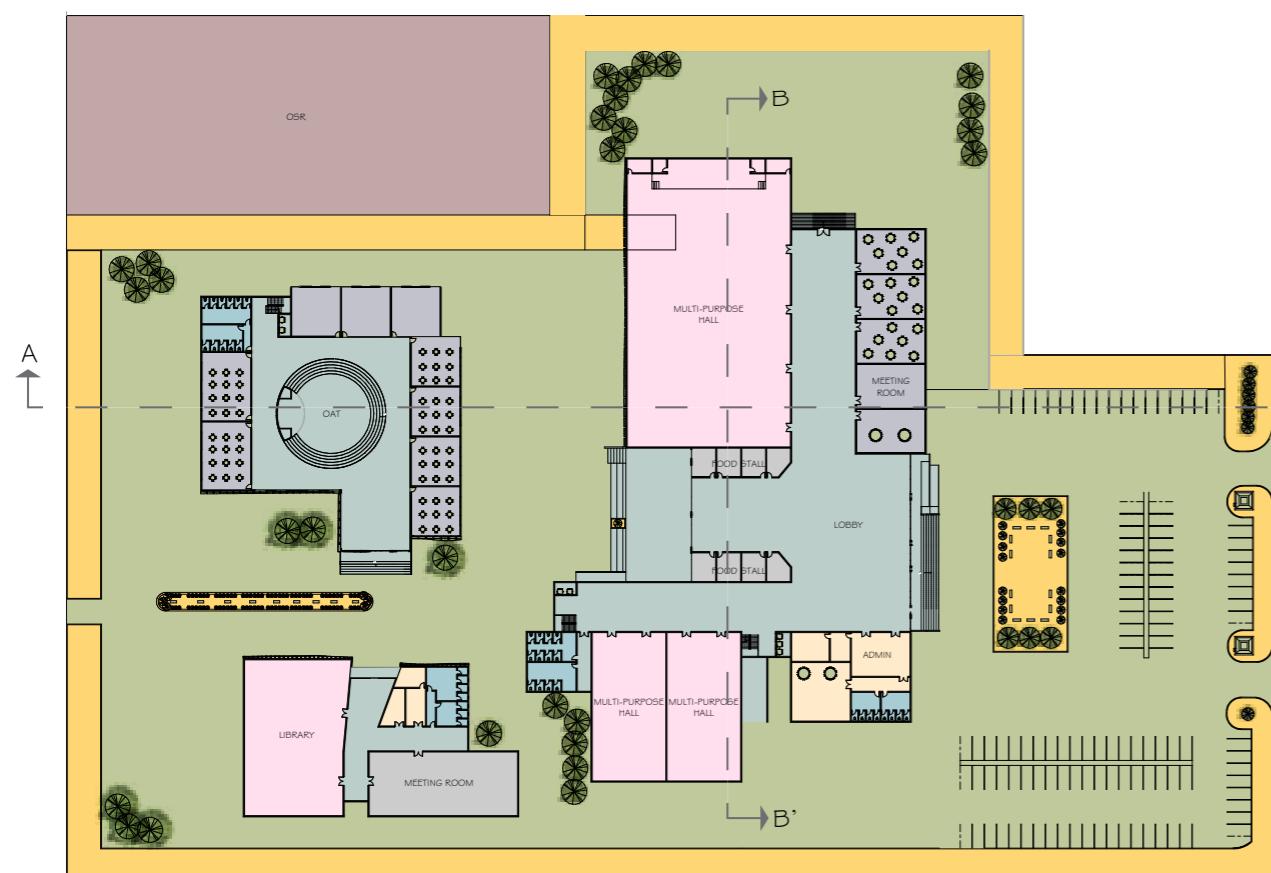
- TO DESIGN THE CENTRE SUCH THAT ITS MAGNITUDE SHOULD CONSIST OF MULTIPLE SPACES TO ACCOMODATE ALL TYPES OF EVENTS, CONFERENCES, EXHIBITIONS, MEETINGS, TRAININGS AND OTHER SPECIAL EVENTS.
- TO CREATE VERSATILE SPACES WITH MULTIPLE BREAKOUT MEETING ROOMS AND IT SHALL BE SUBDIVIDED ACCORDING TO ONE'S NEED AND CONNECTED TO SET UP A VARIETY OF CONFIGURATION.
- TO CREATE OPEN SPACES AND DRAMATIC VOLUME SPACES THAT BRINGS OUT THE CURIOSITY IN HUMAN MINDSETS.



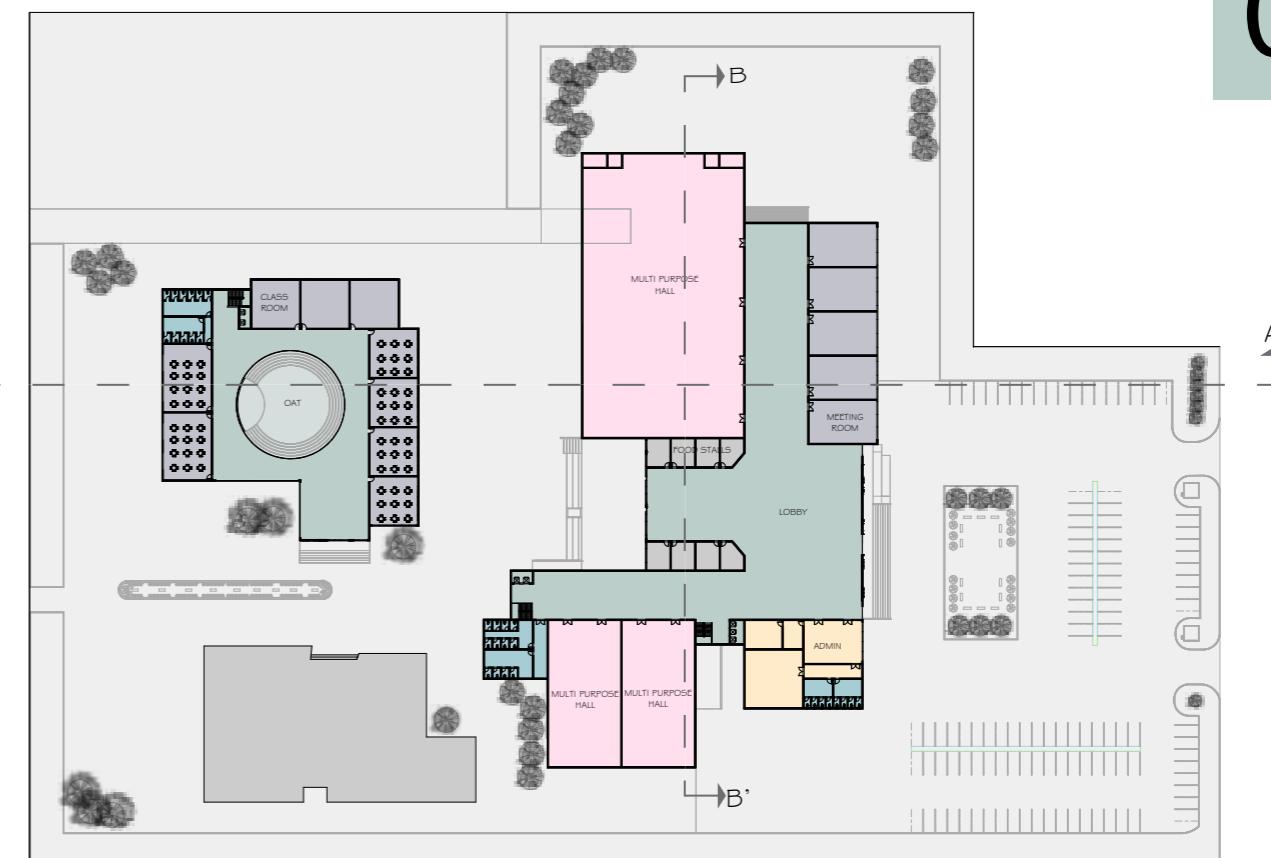
SITE PLAN

CONVENTION CENTER

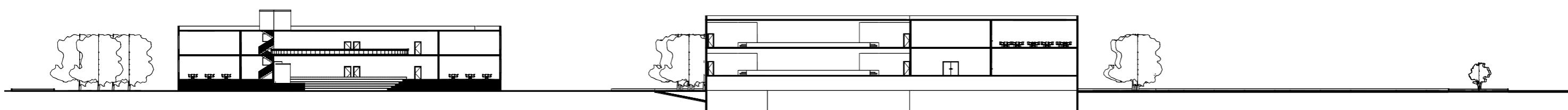
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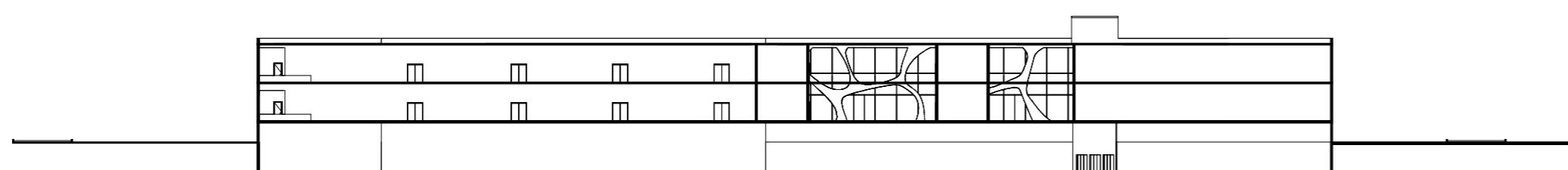
GROUND FLOORPLAN



FIRST FLOORPLAN



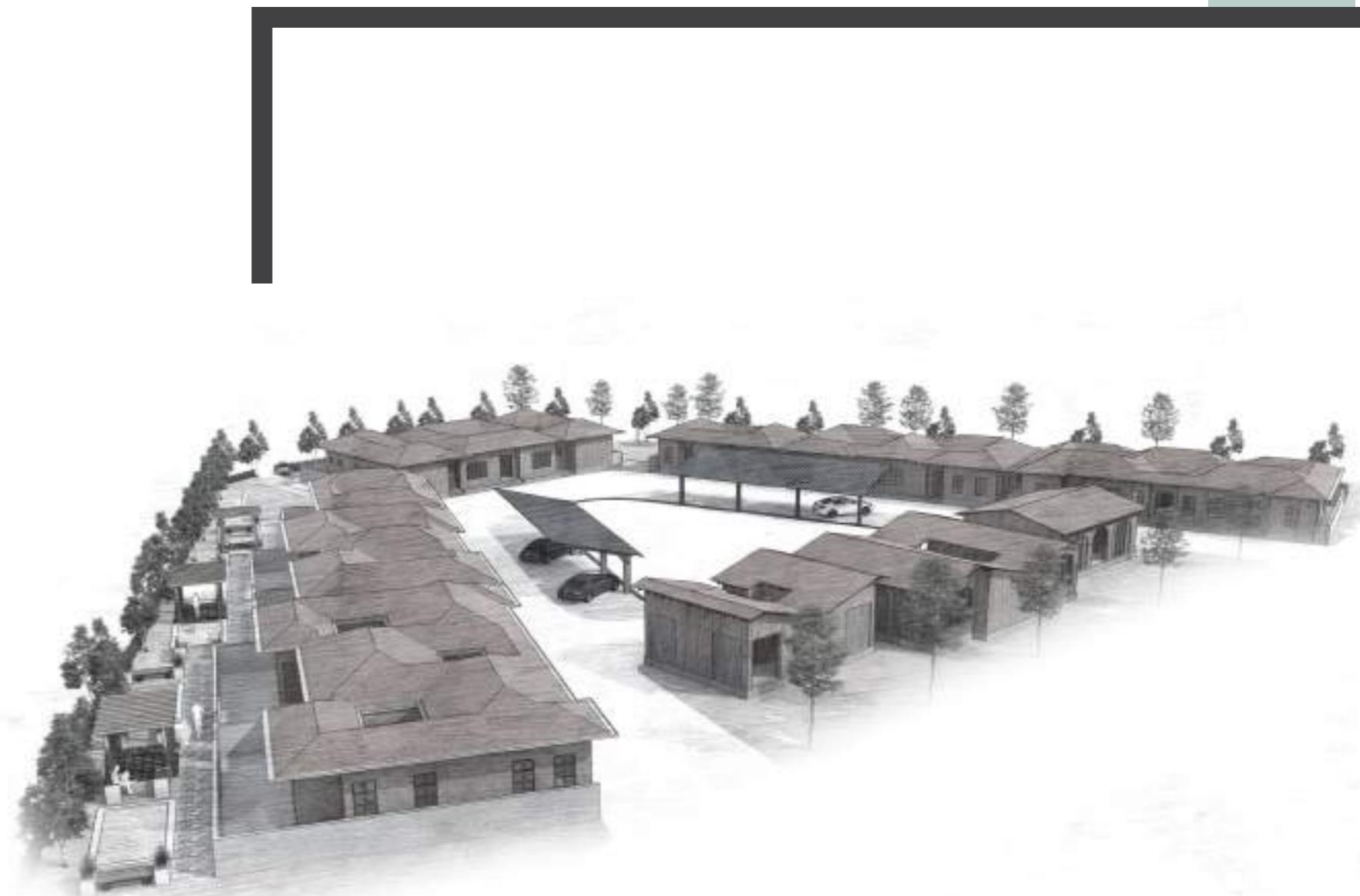
SECTION AA'



SECTION BB'

BRINGING CONNECTION BETWEEN PRIVATE AND PUBLIC MEETING ZONES BY CREATING COMMON SHARING SPACES AS THRESHOLDS.



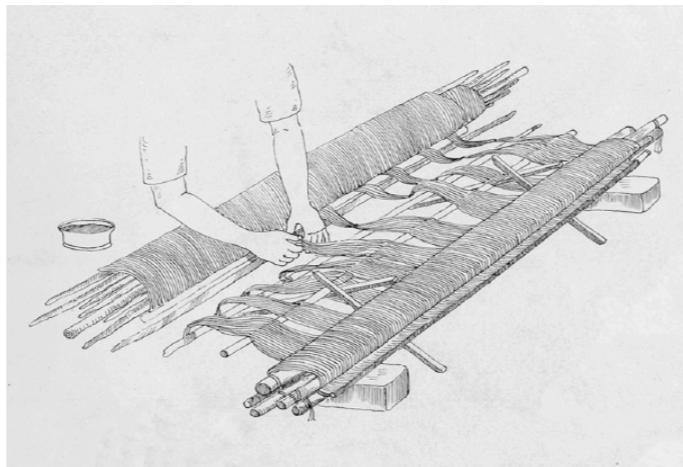


URBAN DESIGN PROJECT

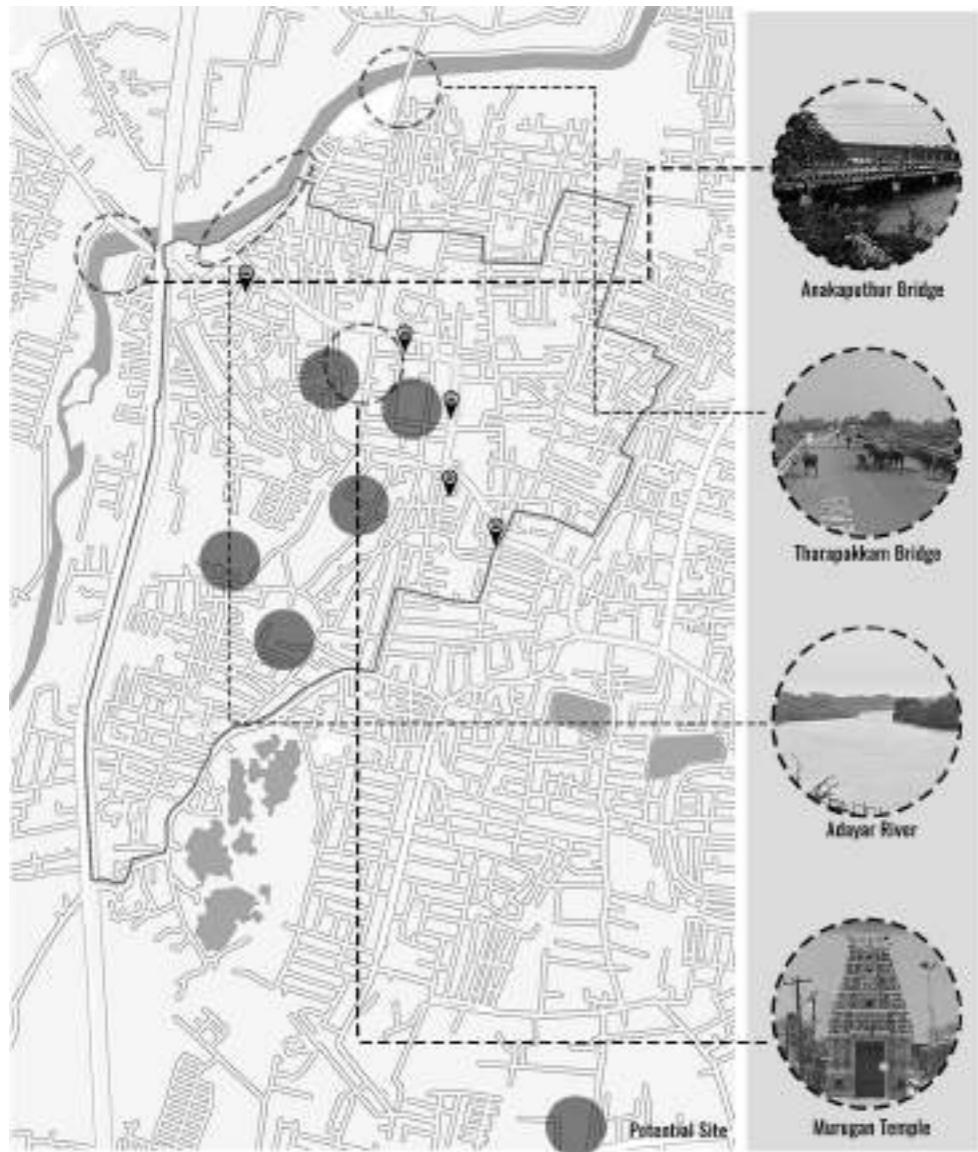
URBAN DESIGN PROJECT

ANAKAPUTHUR

NEAR PAMMAL, CHENNAI, IS THE WEAVING COMMUNITY OF ANAKAPUTHUR. UPTILL 1980S, THE WEAVERS HERE WERE PRODUCING MADRAS HANDKERCHIEFS FOR NIGERIA.



WHEN THE EXPORT MARKET IN NIGERIA CRASHED, THEY SHIFTED TO KANCHI COTTON. ONCE A 5000 STRONG WEAVER COMMUNITY, HAS BEEN REDUCED TO AROUND 150 LOOMS AND 200-300 WEAVERS NOW. WEAVING ARE DONE WITH NATURAL FIBRES INCLUDING BANANA, ALOE VERA AND GONGURA.



STUDY ABOUT THE VILLAGE CORE
WEAVING AND URBAN FABRIC:
LINEARITY IN HOUSES.
PLOTS FOR WEAVING AND
THREADING ARE SEPERATED.
THE PROPORTION OF STREETS IN
THE VILLAGE CORE IS SAME AS
OF STREET THREADING (IE) PAAVU
MAKING. THERE ARE ALSO SPACES
USED FOR LOOMING AND THREADING.
A CONTINUOUS BUILDING ZONE EXISTS
IN VILLAGE CORE BECAUSE IT IS
LOCATED BETWEEN CHENNAI AND
KANCHIPURAM. BOTH MADRAS
TERRACE ROOF STRUCTURES (G+1)
AND PAN TILES CAN BE SEEN.

PROJECT LOCATION :



ANAKAPUTHUR



ANAKAPUTHUR VILLAGE OUTLINE

FAMILIES THAT WEAVE
NOW CAN BE FOUND
IN VILLAGE CENTRE.DOWNFALL OF THE WEAVING VILLAGE:

RAPID URBANISATION UNDERMINES QUALITY IN BUILDING CONSTRUCTION. IT ALSO ACTS AS A BARRIER TO THE LOSS OF CULTURAL AND TRADITIONAL PRACTICES FOUND IN THE URBAN FABRIC AS A RESULT OF CHANGE. THE YARN WAS ALL SPUN IN THE STREETS AND ALLEYWAYS, SO THE STREET WIDTH CORRESPONDS TO YARN MEASUREMENTS. MANY PRE-INDUSTRIAL SETTLEMENTS USED THIS TYPE OF OCCUPATION BASED PLANNING.



APPROACH TO THE DESIGN:
THE VILLAGE CORE WILL BE REHABILITATED TO THE EXISTING WEAVERS WITH URBAN POLICIES THAT PRESERVE LOCAL CULTURE AND ARE UNABLE TO ACCOMODATE HANDLOOM WILL BE IDENTIFIED AND SHIFTED TO NEW SITE WHICH CONTRIBUTE TO CRAFTS REVIVAL.

PRESERVATION AND CONSERVATION OF EXISTING TRADITIONAL DWELLINGS. THE USE OF SIMILAR TECHNOLOGIES AND BUILDING MATERIALS WILL ACT AS CONTEXT PRESERVATION FOR FUTURE.

URBAN DESIGN PROJECT



METTU ST.
ROAD WIDTH - 9M
THE STREET'S USERS ARE DIVERSE AND VARIED. THE AREA INCLUDES BOTH RESIDENTIAL AND COMMERCIAL STRUCTURES. MOST OF THE BUILDINGS IN THIS STREET ARE G+1 & G. WEAVING IS A MAJOR CONTRIBUTOR TO THE FAMILIES INCOME.



SANNATHI ST.
ROAD WIDTH - 5M
IT IS A PART OF VILLAGE'S CENTRE. THIS STRETCH HAS BEEN WEAVING FOR A WHILE. IN THIS STREET, TWO-STORY BUILDINGS PREDOMINATE AND THERE IS A MIXED USE POPULATION.



SHANMUGA MUDALI ST.
ROAD WIDTH - 8M
THE MURUGAN TEMPLE IS LOCATED ON THE SHANMUGA MUDALI STREET. INITIALLY, THE WEAVING COMMUNITY GREW UP AROUND THIS STREET. THE STREET HAS MORE THAN 40 HOUSEHOLDS. DURING FESTIVALS, THIS TEMPLE DRAWS A LARGE CROWD DUE TO ITS PROMINENCE AS A STREET NODE.



PETTAI ST.
ROAD WIDTH - 5M
PETTAI STREET IS ENTIRELY RESIDENTIAL. BUILDINGS ARE USUALLY ONE STOREY TALL.

WEAVING RELATED ACTIVITY MAPPING



STREET SIZING OCCURS ON SHANMUGA MUDALI AND METTU STREETS. BECAUSE THERE ARE MORE LOOMS IN SOME AREAS. STREET SIZING IS PREVALENT THERE.

EXISTING BUILDING CONDITION



TEMPLES ARE AT THE TOP FROM WHICH THE ROADS ARE BRANCHING PERPENDICULARLY. ALLEY AND ROADS ARE SHARED BY MANY FAMILIES & LOOMS ARE SHARED BY MANY FAMILIES.



IDENTIFICATION OF DIFFERENT USER GROUPS BASED ON STREET USAGE PATTERNS.



SINGLE-STOREY HOMES CAN BE FOUND ON SANNATHI STREET, FORMERLY A HOME FOR WEAVERS AND NOW DESERTED. SOME HOMES WERE DISCOVERED TO BE ABANDONED. DUE TO LACK OF MONEY FROM WEAVING, A LARGE NUMBER OF RESIDENTS HAVE LEFT THE COMMUNITY. THEY HAVE CHOSEN A DIFFERENT PROFESSION AS A RESULT TO SUPPORT THEMSELVES.

SOME HAVE MADE MONEY BY RENTING OUT THEIR HOUSES. WEAVING IS NO LONGER A SUSTAINABLE LIVELIHOOD BECAUSE THE INCOME FROM IT IS SO LOW. DUE TO THE LOWER INCOME FROM HANDLOOM, THE MAJORITY OF WEAVERS WORRY THAT, THERE WON'T BE ANYMORE OF IT AFTER THEIR GENERATION.

SITE IMAGES :



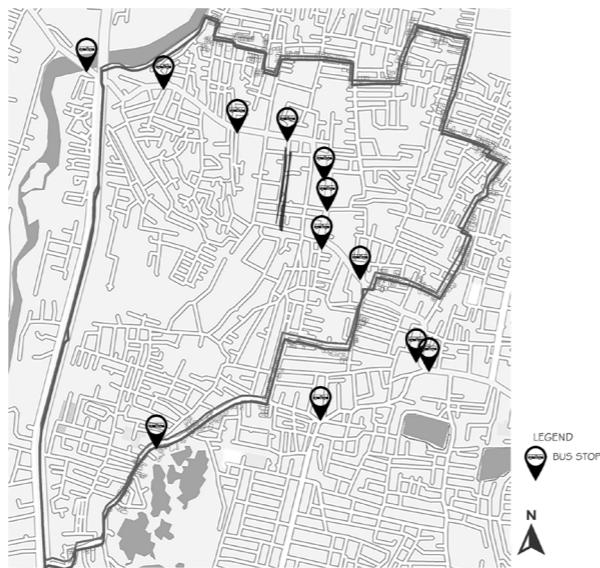
URBAN DESIGN PROJECT

05

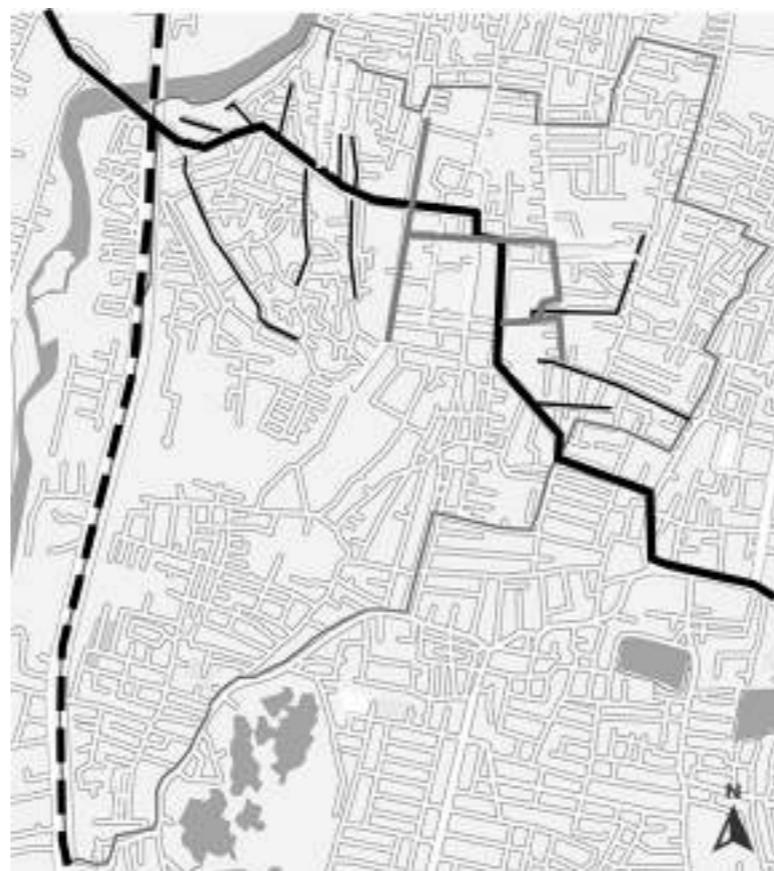
LANDMARKS :



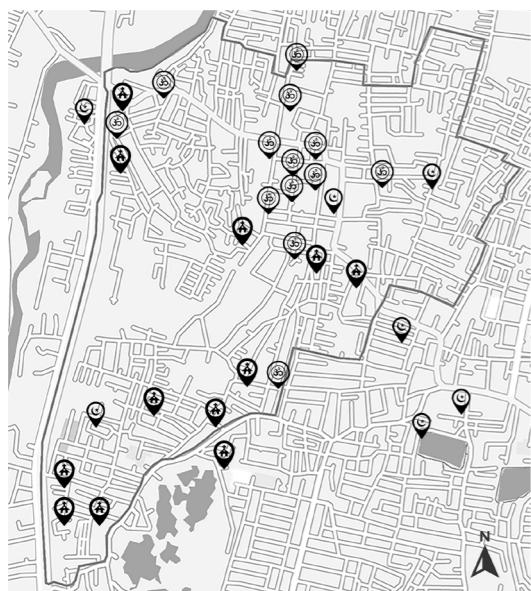
BUS STOPS :



ROAD NETWORKS :



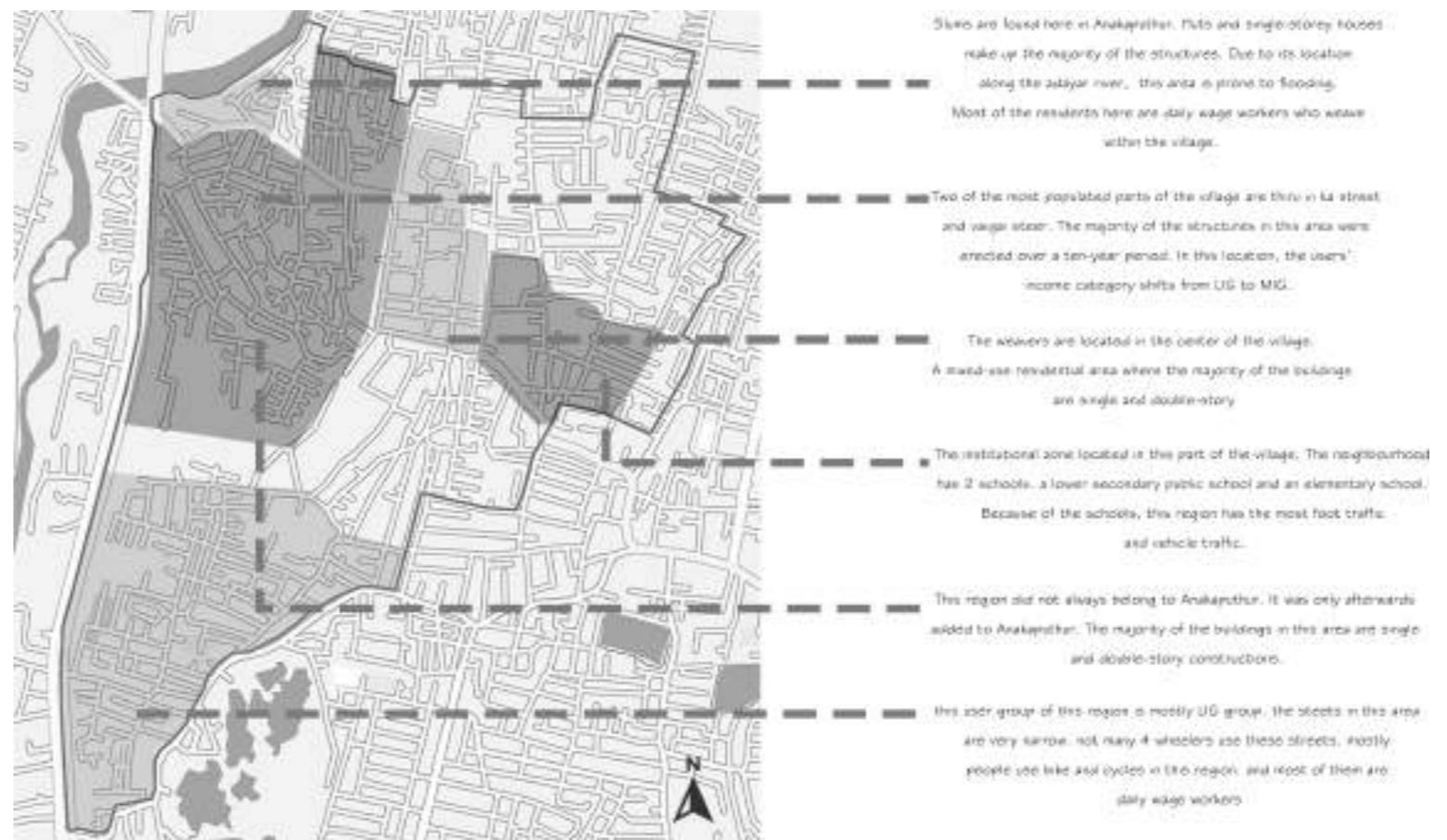
RELIGIOUS BUILDINGS :



NODES :



SETTLEMENT PATTERN :



GREEN COVER :



BUILDING USE :



VEHICULAR MOVEMENT IN SITE AS PEOPLE UTILIZE IT TO ACCESS THE IMMEDIATE SURROUNDINGS OF THE SITE, THE PAMMAL MAIN ROAD, WHERE THE MAJORITY OF VEHICLES WERE DISCOVERED. THERE WERE MUNICIPAL BUSES, COLLEGE BUSES AND SCHOOL BUSES ON THE ROAD. PEAK HOURS ON THE PAMMAL MAIN ROUTE SAW A LOT OF TRAFFIC. OTHER MINOR STREETS HAD A FAIR QUANTITY OF VEHICLE TRAFFIC. IN THE PAST TEN YEARS, THERE WAS SUBSTANTIALLY LESS TRAFFIC AND THE STREETS WERE USED FOR WEAVING. NONTHELESS, STREETS HAVE LOST THEIR CHARACTER AS A RESULT OF GROWING URBANISATION.

IMPORTANT ROADS

PAMMAL MAIN ROAD

TOTALLY A COMMERCIAL SECTION OF ANAKAPUTHUR, PAMMAL MAIN IS A 10M WIDE ROAD. ALONG THE ROUTE, G+1 AND G+2 STRUCTURES PREDOMINATE. MOST OF THE BUSINESS IN THIS AREA ARE RUN BY THE LOCALS. ADDITIONALLY, THERE ARE THOSE THAT OPENED SHOPS FROM SEVERAL NEARBY MARKETS. CHENNAI BYPASS ROAD A HIGHWAY LINKING THE MOST IMPORTANT PLACES IN THE DISTANT CONTEXT OF THE SITE IS THE CHENNAI BYPASS ROAD.

SINGLE CLUSTER MODULE

URBAN DESIGN PROJECT



USER TYPOLOGIES :

1. MASTER WEAVER :

THE ONE WHO OWNS A LARGE NUMBER OF LOOMS. THEY ARE THE ONE WHO MAKE SIGNIFICANT INVESTMENT ON THE LOOMS.

2. JUNIOR WEAVER :

THEY ARE THE SO CALLED ASSISTANT TO THE MASTER WEAVER WHO OWNS SOME LOOMS WITH THEM.

3. DYEING ARTISANS :

THEY INVOLVE IN THE SIGNIFICANT PRELOOM PROCESS WHICH IS ALMOST EXTINCT IN ANAKAPUTHUR.

4. GRAPHERS :

PUTS DESIGN CONCEPT ON PAPER. GIVES A VISUAL LOOK AND WORKS WITH COLOURS.

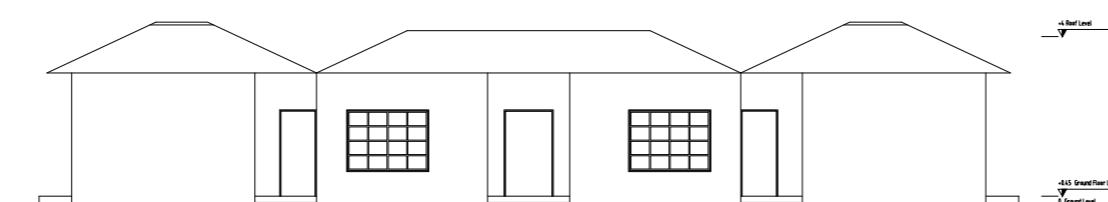
5. CARPENTER :

REQUIRED DURING LOOM INSTALLATION, LOOM REPAIR WORK. CONTACT DIRECTLY WITH WEAVERS. CAN BE INTEGRATED WITH GRAPHERS TO EMPOWER THEIR SKILLS AND TREAT THEM WITH RESPECT AS DESIGNERS.

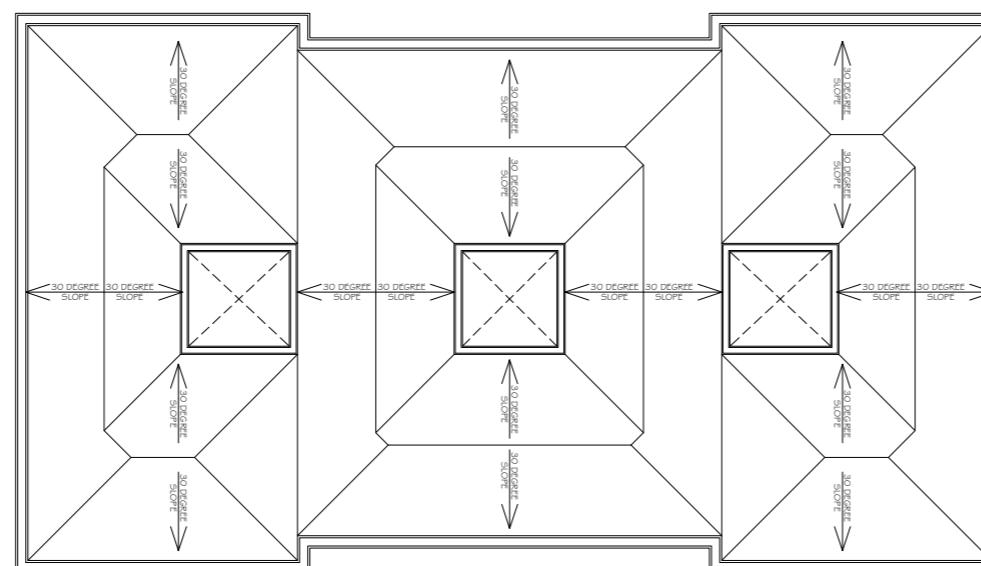


3D VIEW

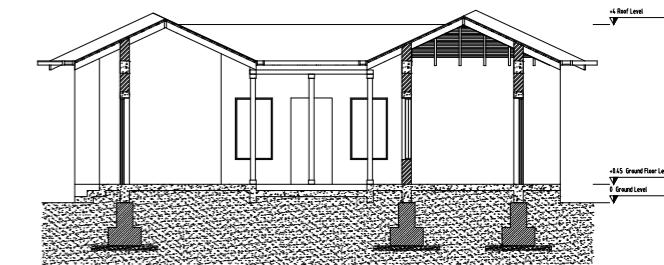
MASTER WEAVER HOUSE



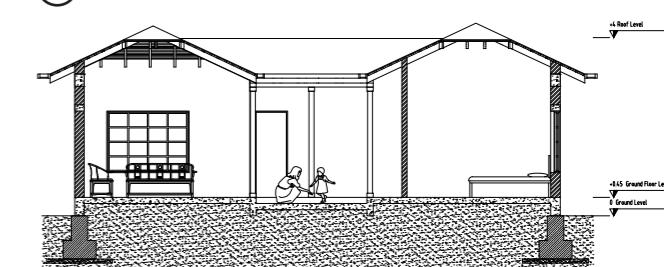
ELEVATION



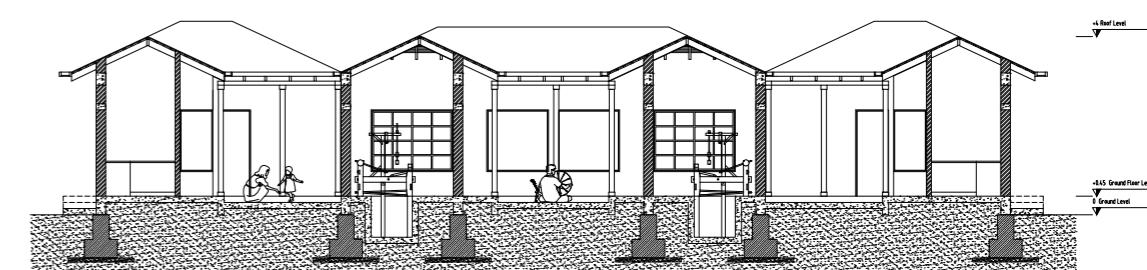
ROOF PLAN



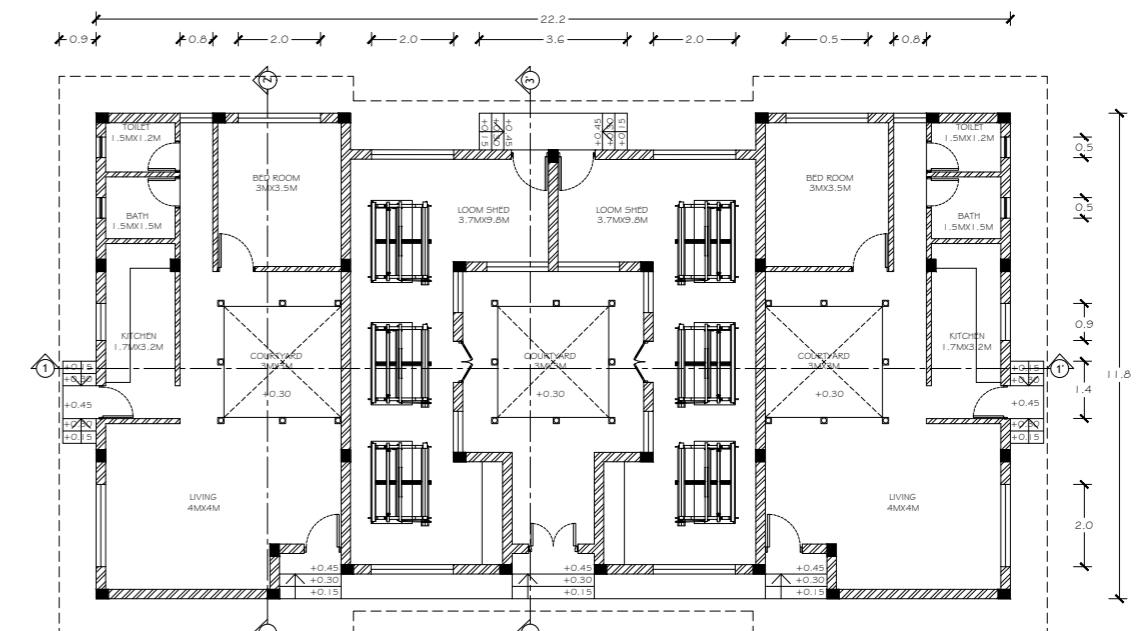
SECTION 3-3'



SECTION 2-2'



SECTION 1-1'

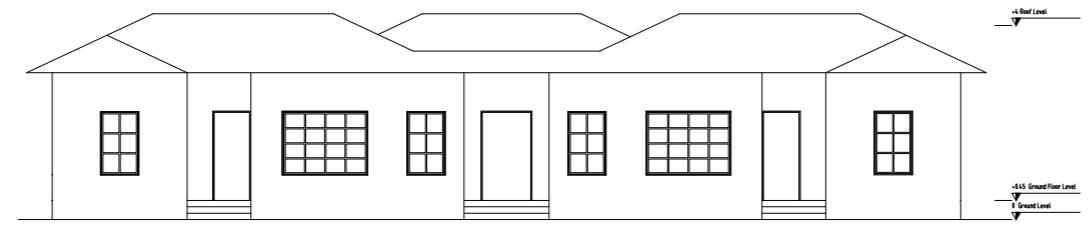


GROUND FLOORPLAN

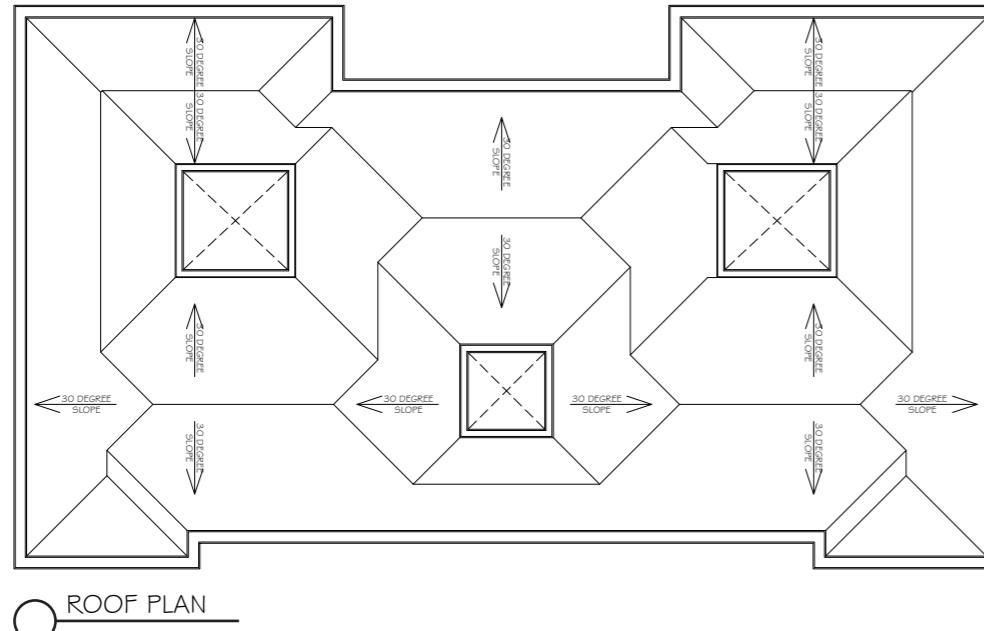


3D VIEW

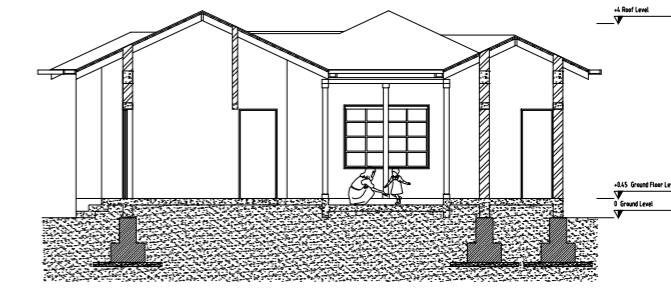
JUNIOR WEAVER HOUSE



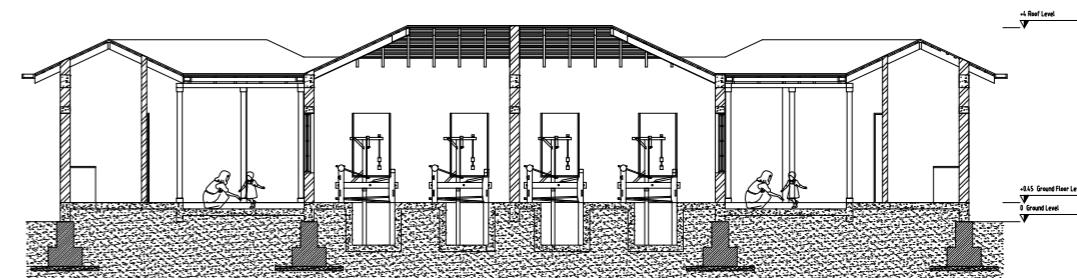
ELEVATION



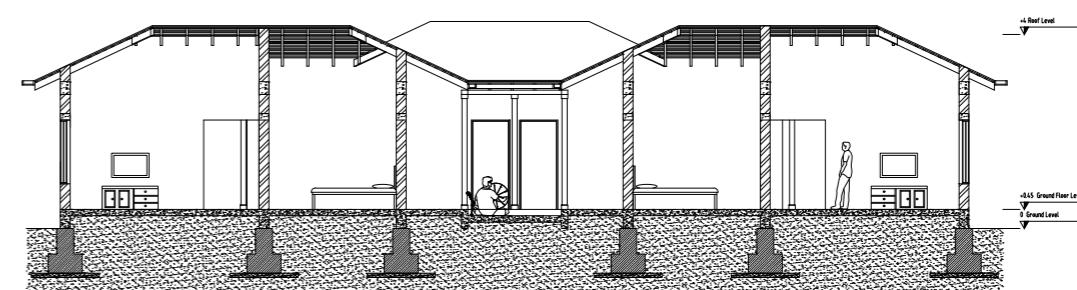
ROOF PLAN



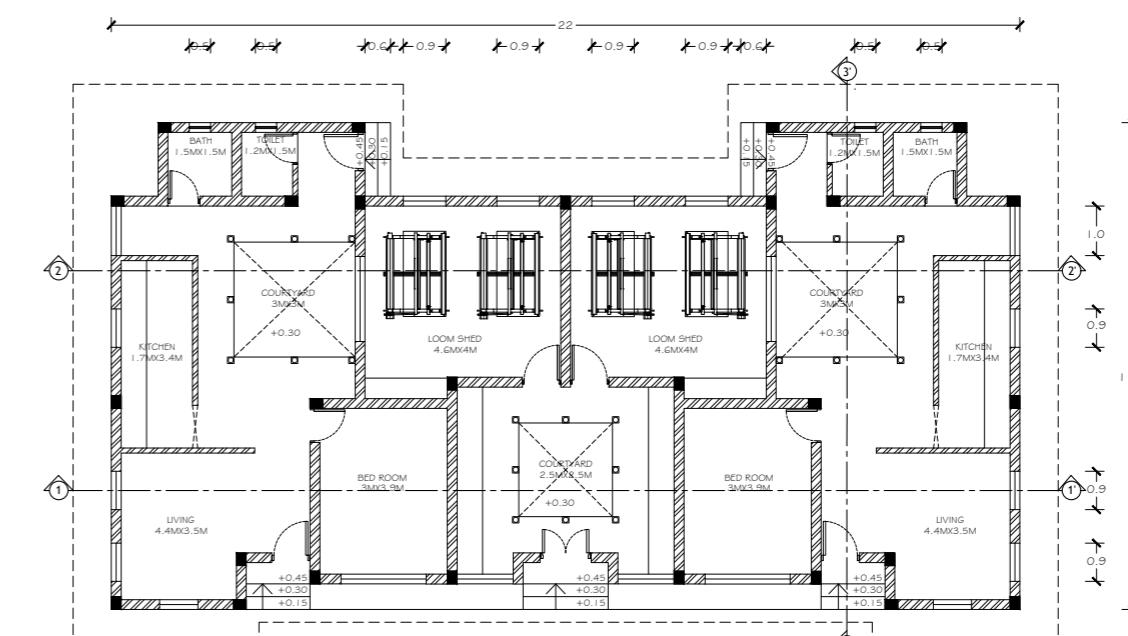
SECTION 3-3'



SECTION 2-2'



SECTION 1-1'



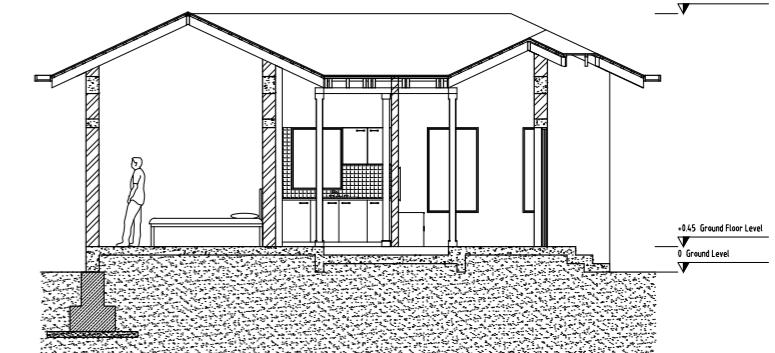
GROUND FLOORPLAN



3D VIEW



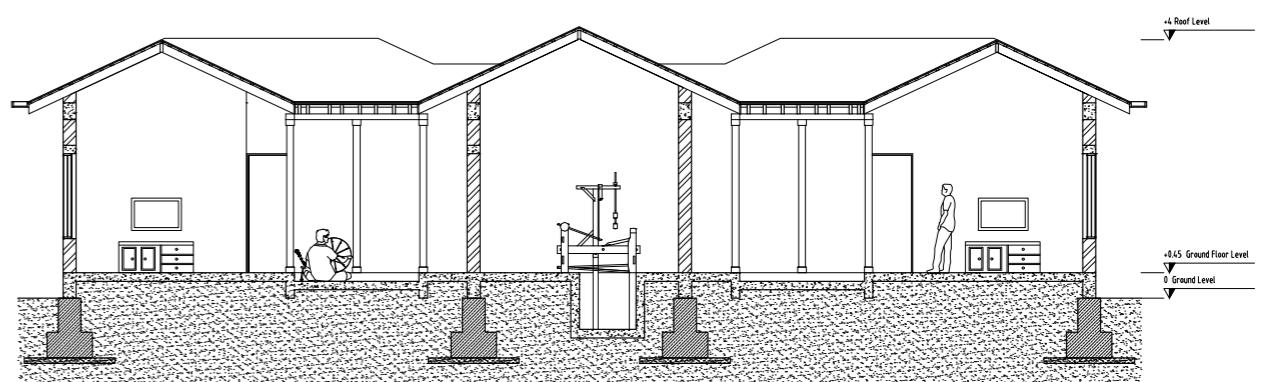
DYEING ARTISAN HOUSE



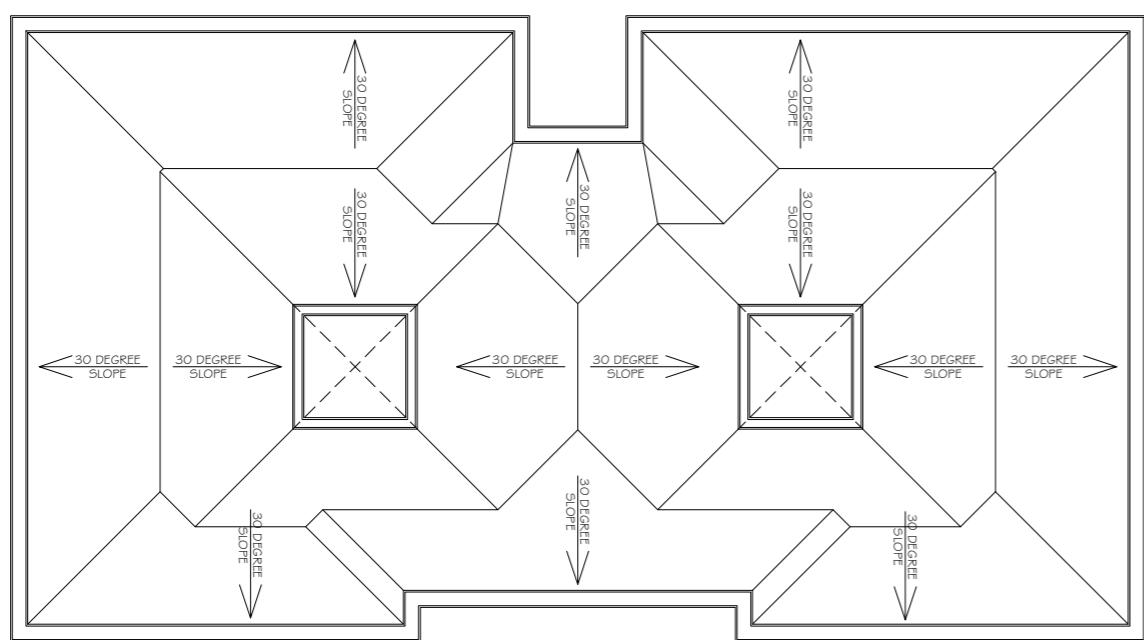
SECTION 2-2'



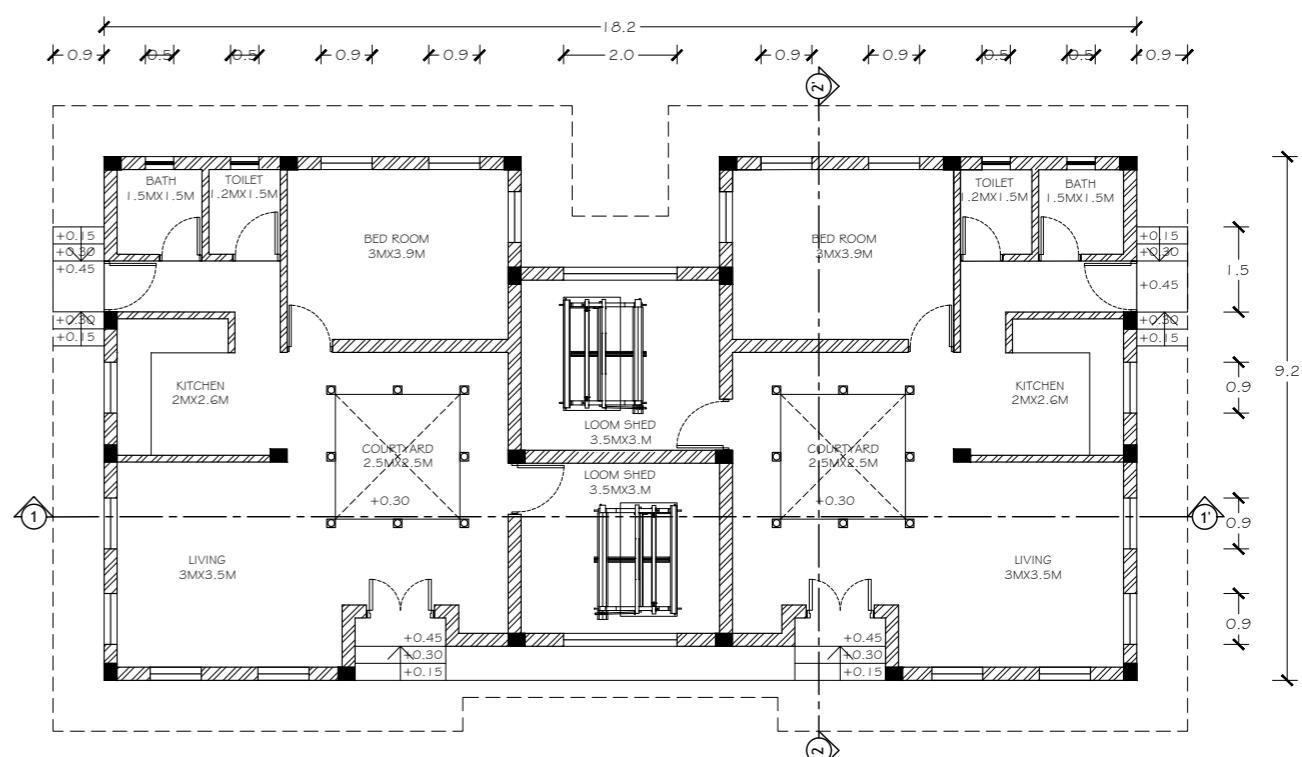
ELEVATION



SECTION 1-1'

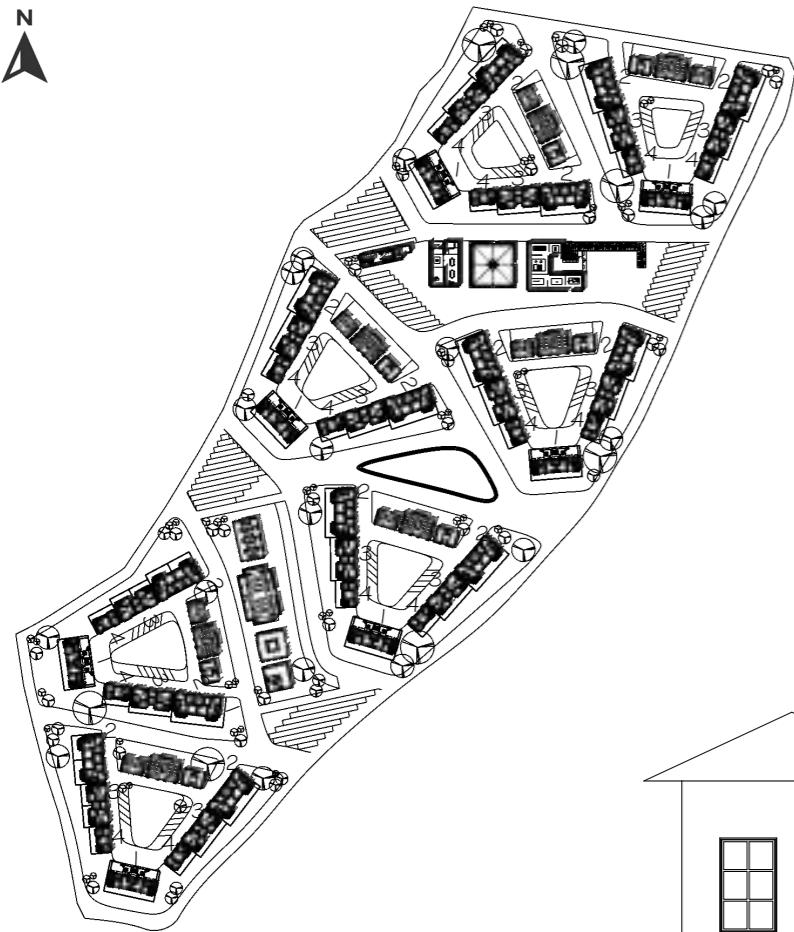


ROOF PLAN



GROUND FLOORPLAN

CARPENTER & GRAPHER HOUSE



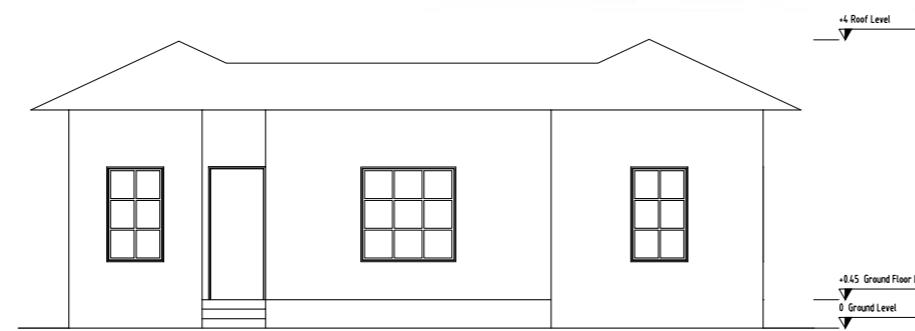
KEY PLAN

LEGEND

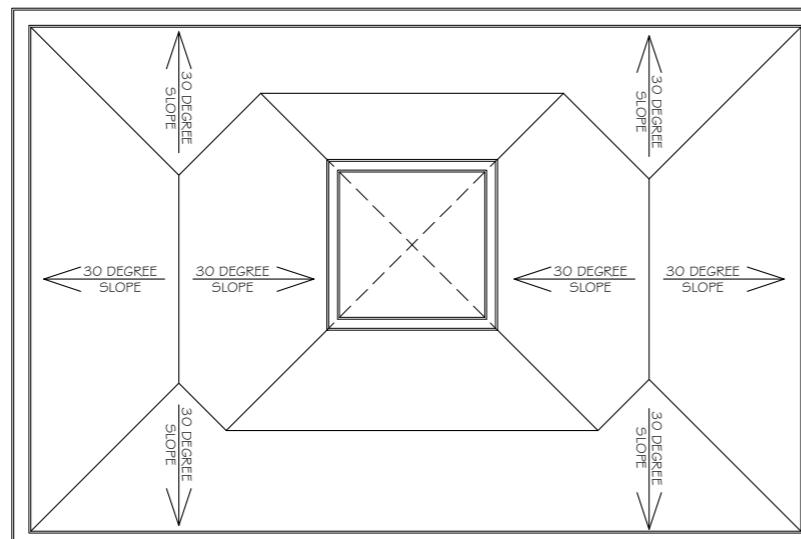
- 1 MASTER WEAVER
- 2 JUNIOR WEAVER
- 3 DYEING ARTISAN
- 4 CARPENTER & GRAPHER SHED



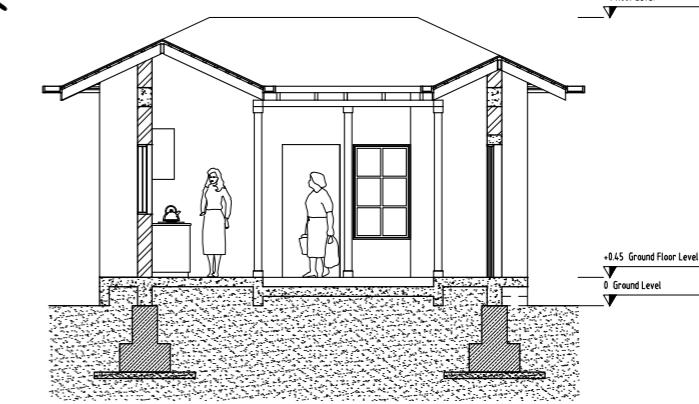
3D VIEW



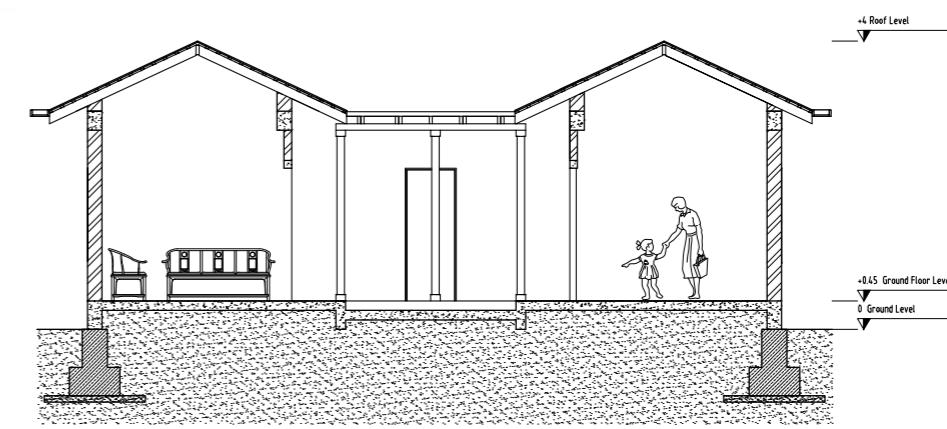
ELEVATION



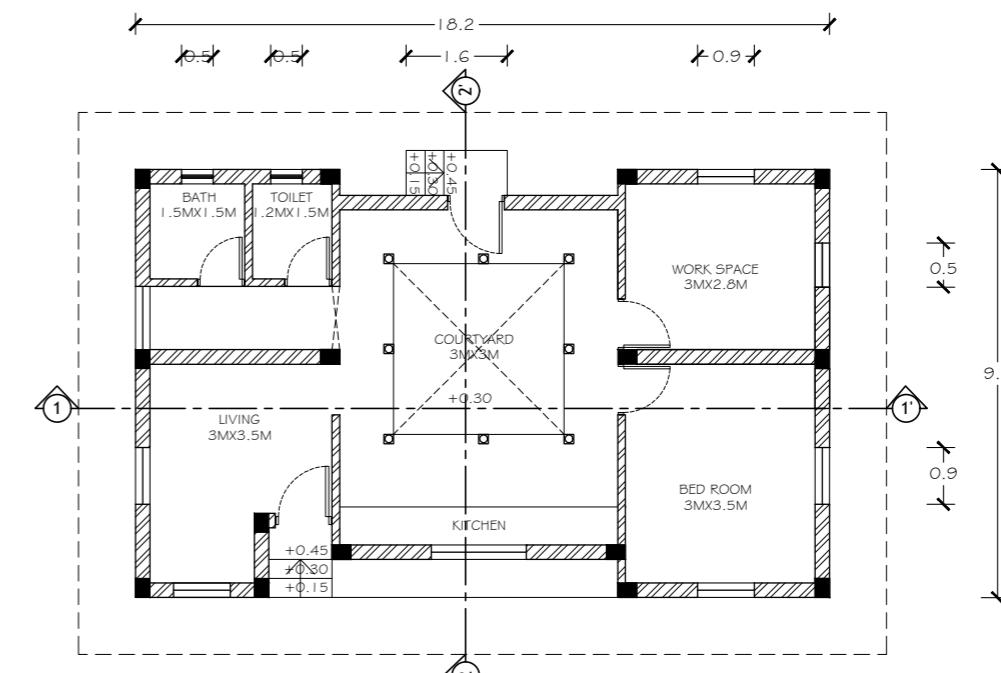
ROOF PLAN



SECTION 2-2'



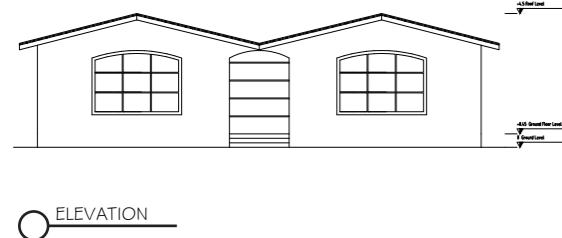
SECTION 1-1'



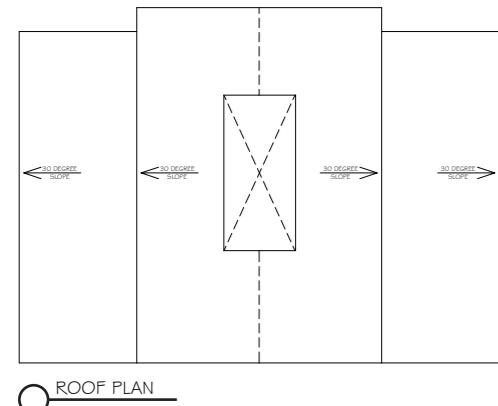
GROUND FLOORPLAN

HOUSING CLUSTER - COMMON SHEDS

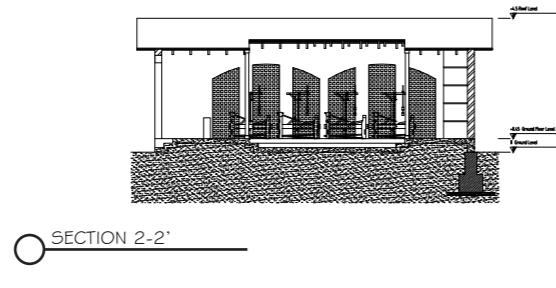
LOOM SHED



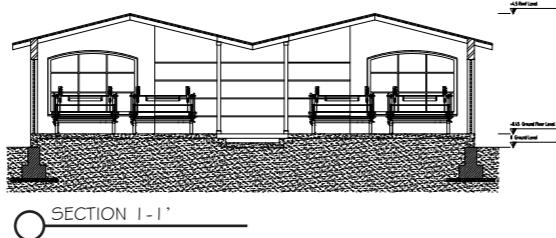
ELEVATION



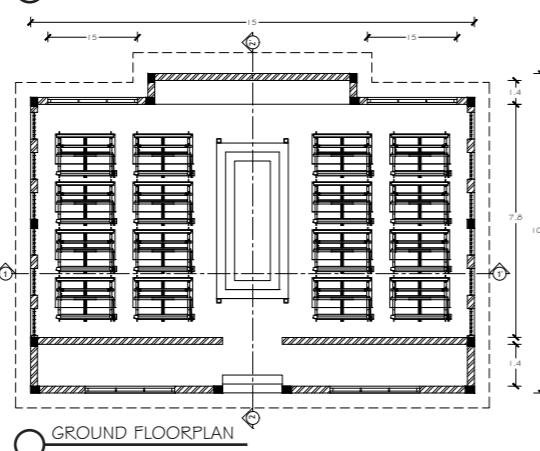
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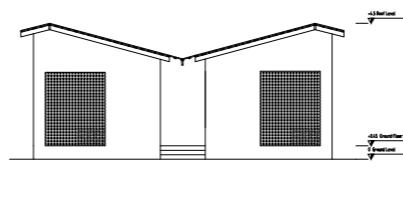
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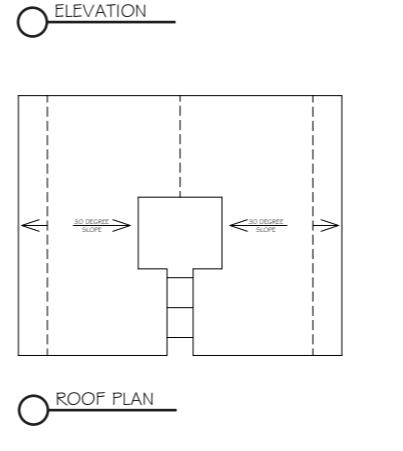
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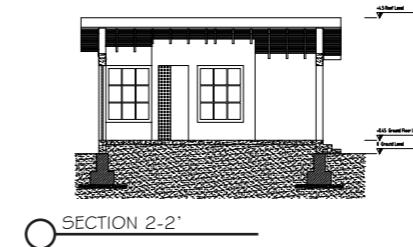
GROUND FLOORPLAN

CARPENTER &
GRAPHER SHED

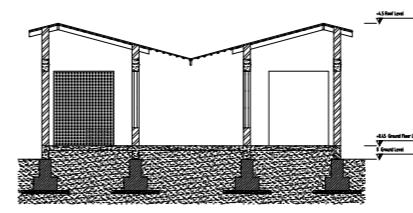
ELEVATION



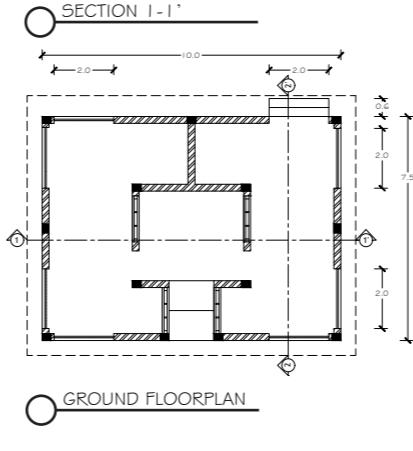
ROOF PLAN



SECTION 2-2'

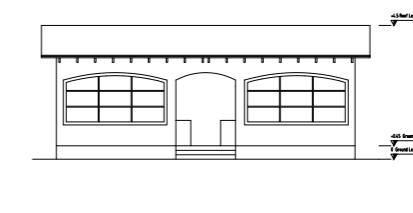


SECTION 1-1'

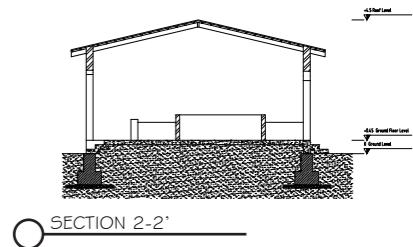


GROUND FLOORPLAN

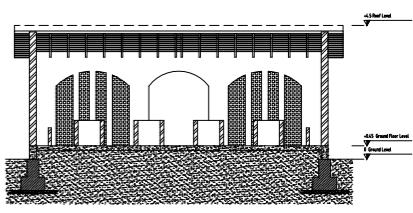
DYEING SHED



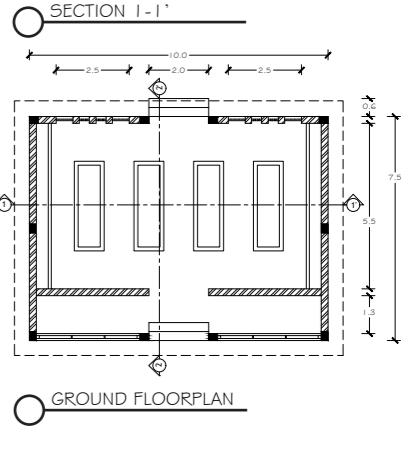
ELEVATION



SECTION 2-2'



SECTION 1-1'



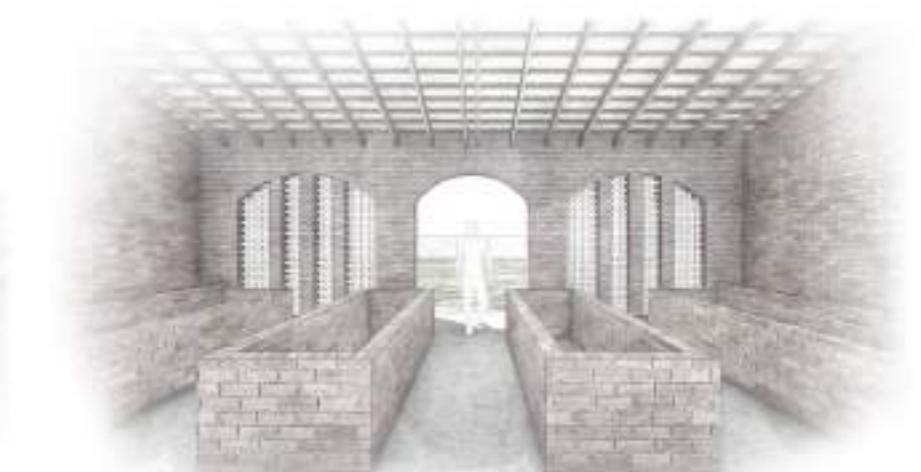
GROUND FLOORPLAN



3D VIEW



3D VIEW



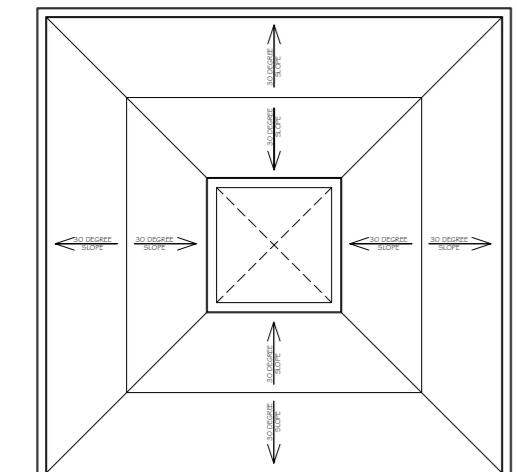
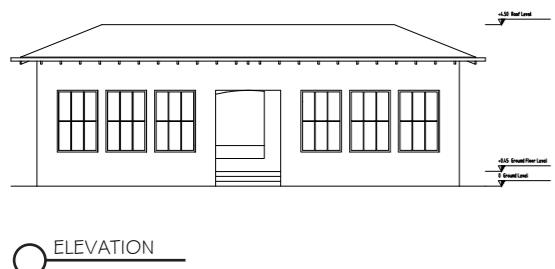
3D VIEW

SOCIAL SPINE - COMMON SHEDS

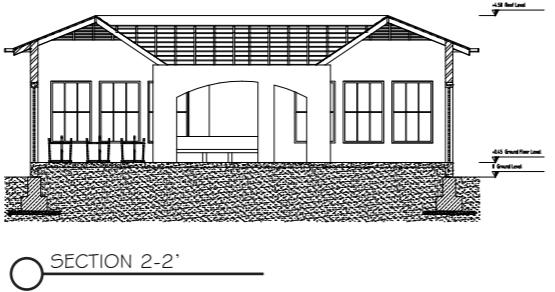
URBAN DESIGN PROJECT

05

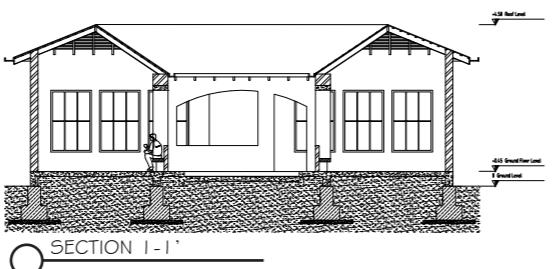
WARPING SHED



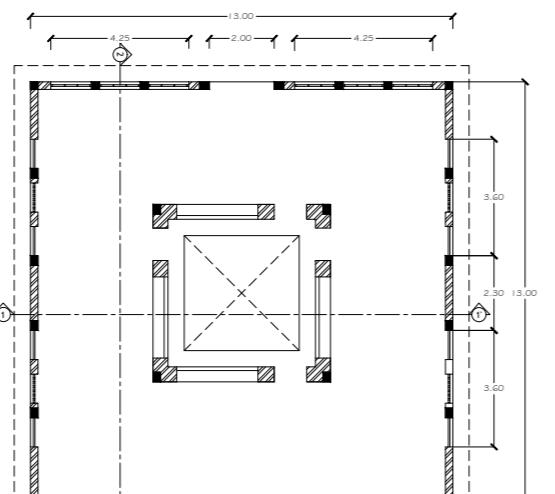
ROOF PLAN



SECTION 2-2'



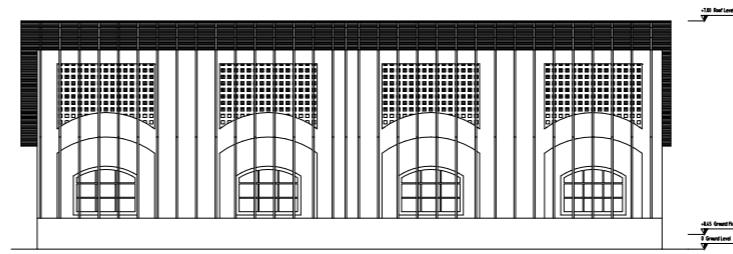
SECTION 1-1'



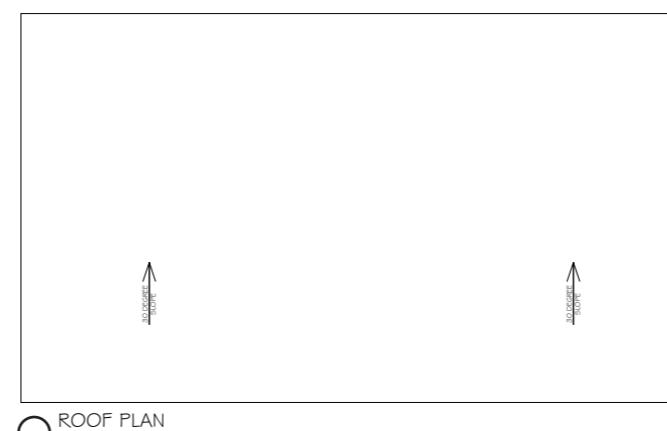
GROUND FLOORPLAN

WARPING SHED :
INTERIOR OF WARPING AND WEFTING
STUDIO WITH SUFFICIENT
SPACE FOR MECHANICAL WARPS AND
CENTRAL COURTYARD FOR GATHERING
AND WEFTING.

LOOM SHED

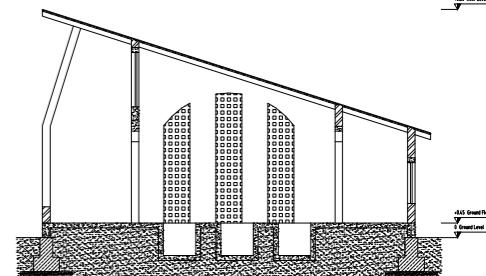


ELEVATION

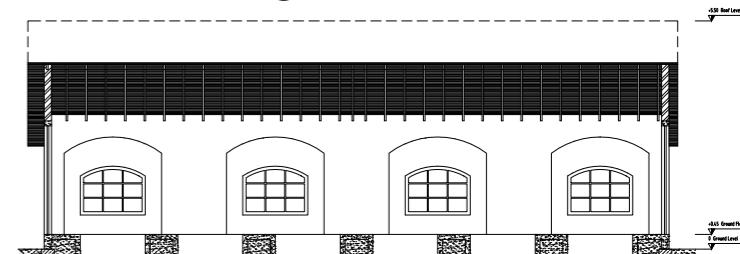


ROOF PLAN

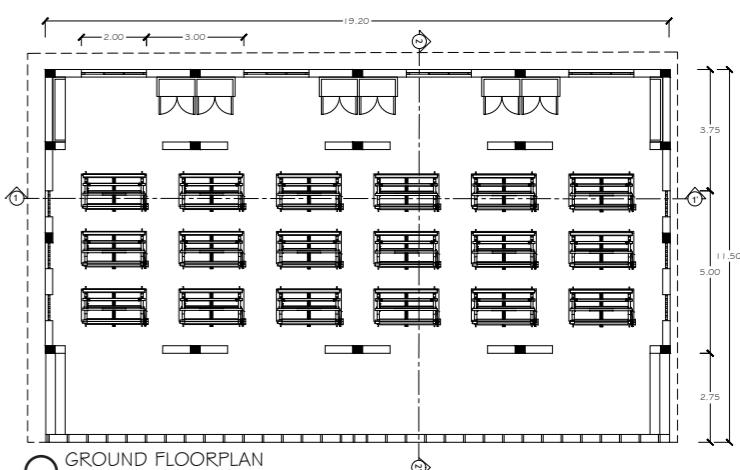
LOOM SHED :
THE LOOM HALL RESPOND TO THE
CREATION OF BUFFER SPACES &
THE SPILLOVER ARCADE ACTS AS A
RESTING AND MEETING POINT FOR
GUESTS AND WEAVERS SHADED BY
WOVEN PANELS.



SECTION 2-2'



SECTION 1-1'



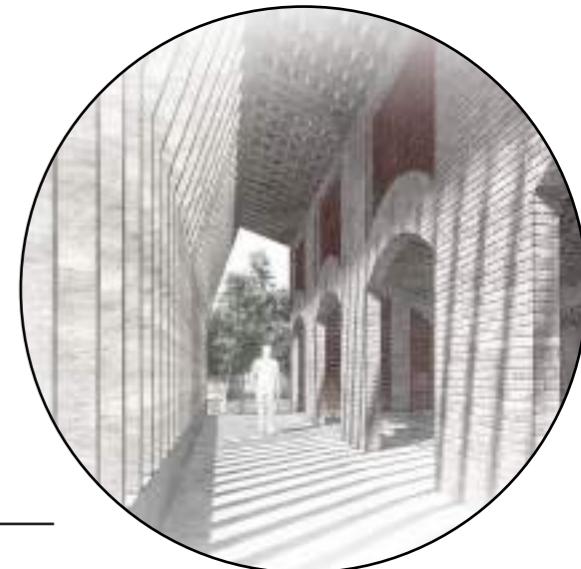
GROUND FLOORPLAN



3D VIEW



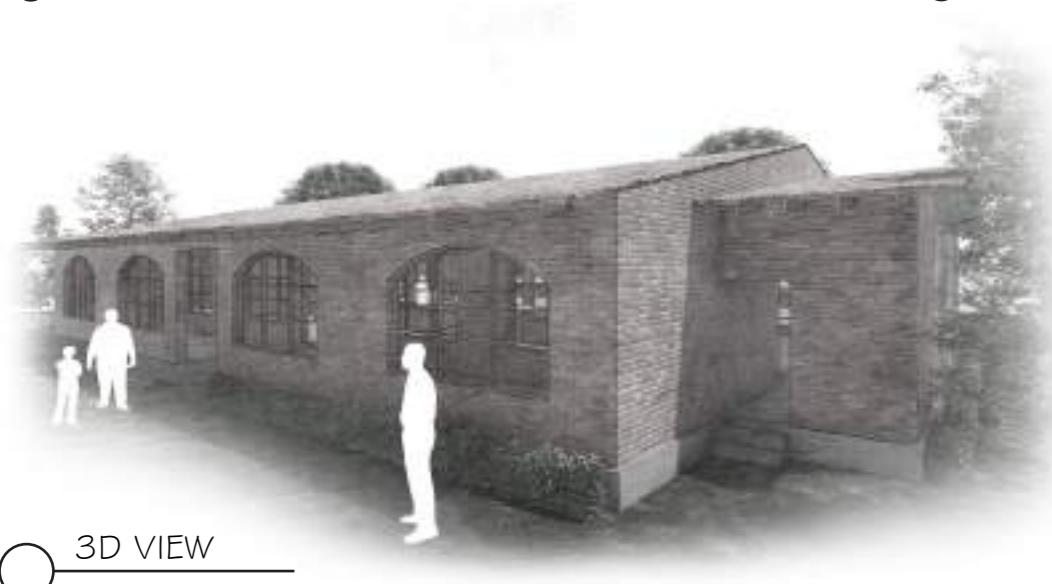
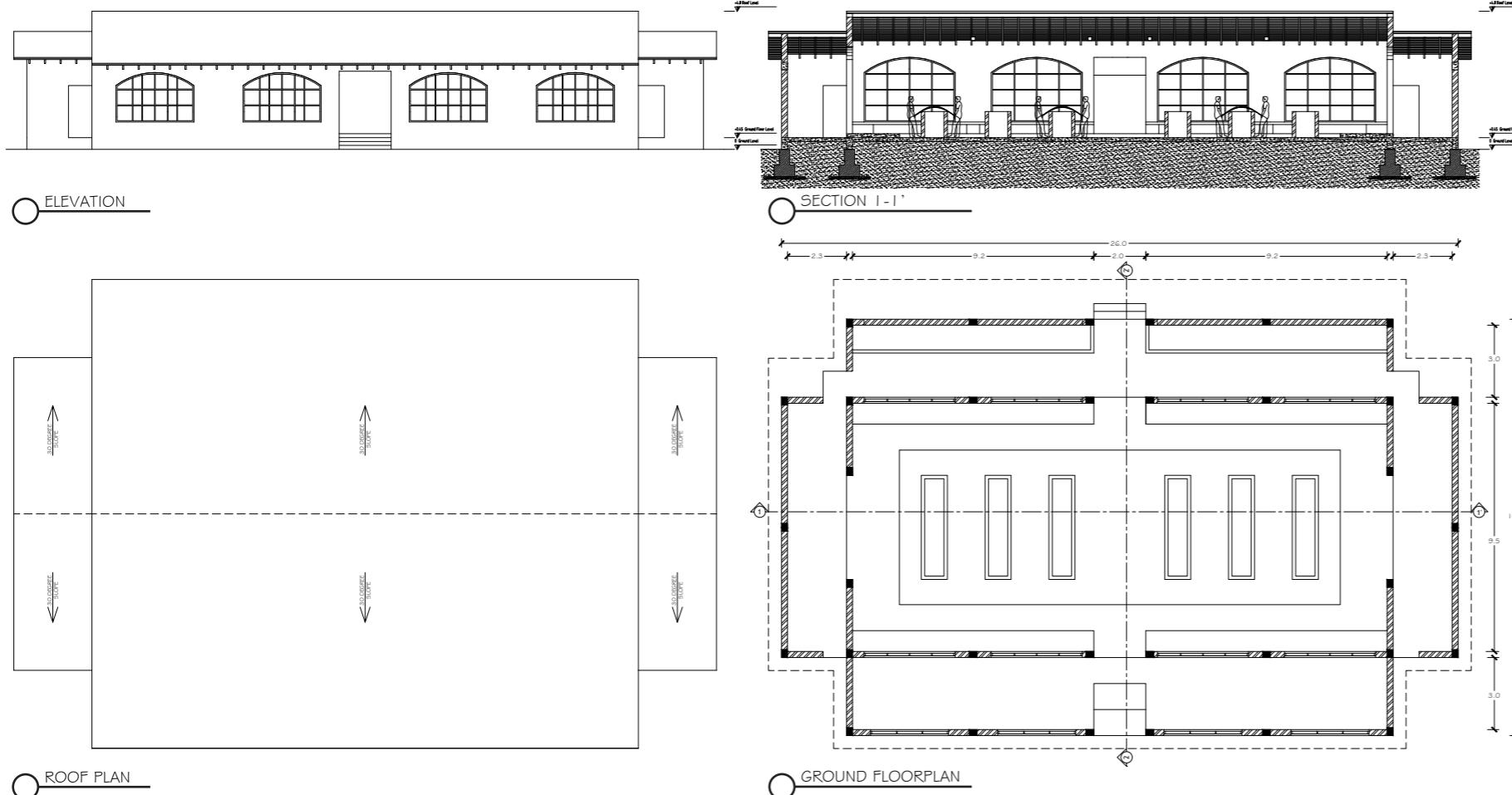
3D VIEW



SOCIAL SPINE - COMMON SHEDS

DYEING SHED

DYEING ACTIVITY IS LINKED TO WASHING OF YARNS AND DRYING OF YARNS IN A CYCLIC MANNER WITH TO AND FRO PROCESSES. THE DYEING STUDIO ATTEMPTS TO MANIFEST THE BASIC REQUIREMENTS OF THESE PROCESSES INTO AN ARCHITECTURAL LANGUAGE OF BUILT FORM AND SPACES. THE DESIGN AIDS TO ENHANCE THE QUALITY OF DYES.

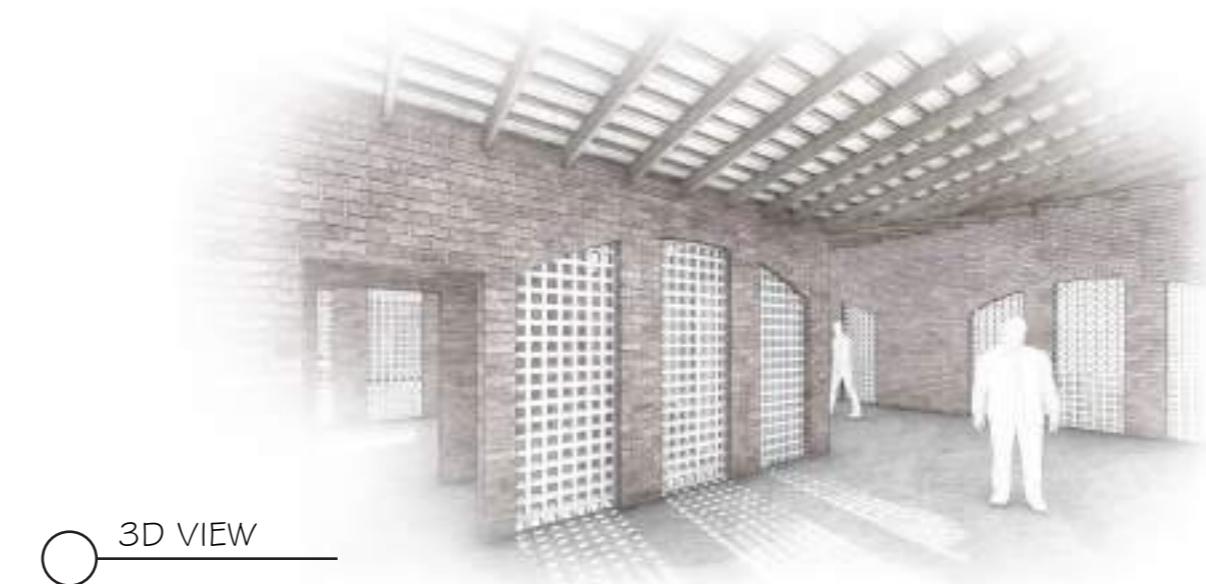
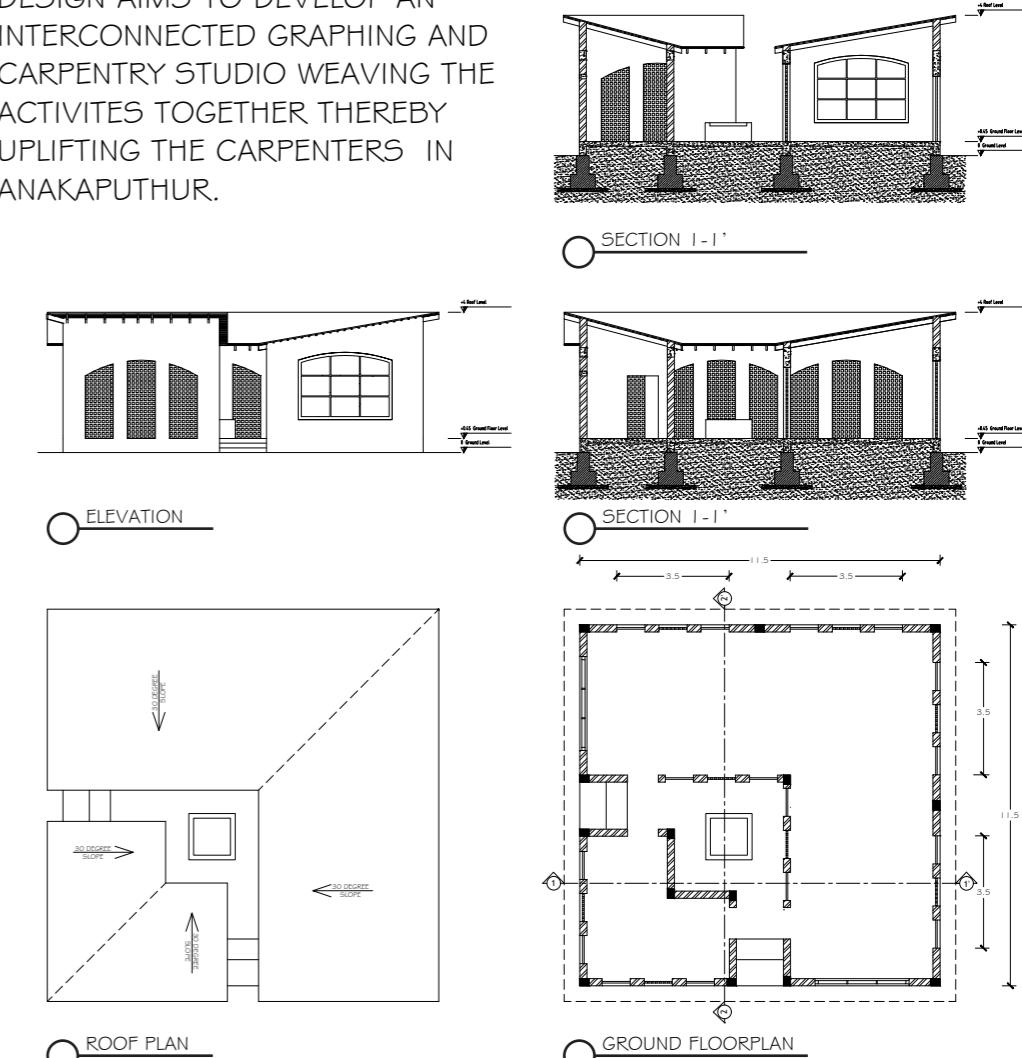


URBAN DESIGN PROJECT

05

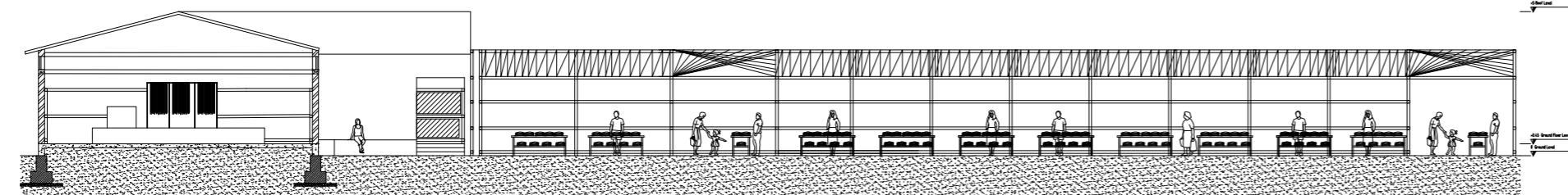
CARPENTER & GRAPHER SHED

THEY ARE ONE OF THE FINEST INKS IN HANDLOOM WEAVING, THE DESIGN AIDS TO DEVELOP AN INTERCONNECTED GRAPHING AND CARPENTRY STUDIO WEAVING THE ACTIVITIES TOGETHER THEREBY UPLIFTING THE CARPENTERS IN ANAKAPUTHUR.

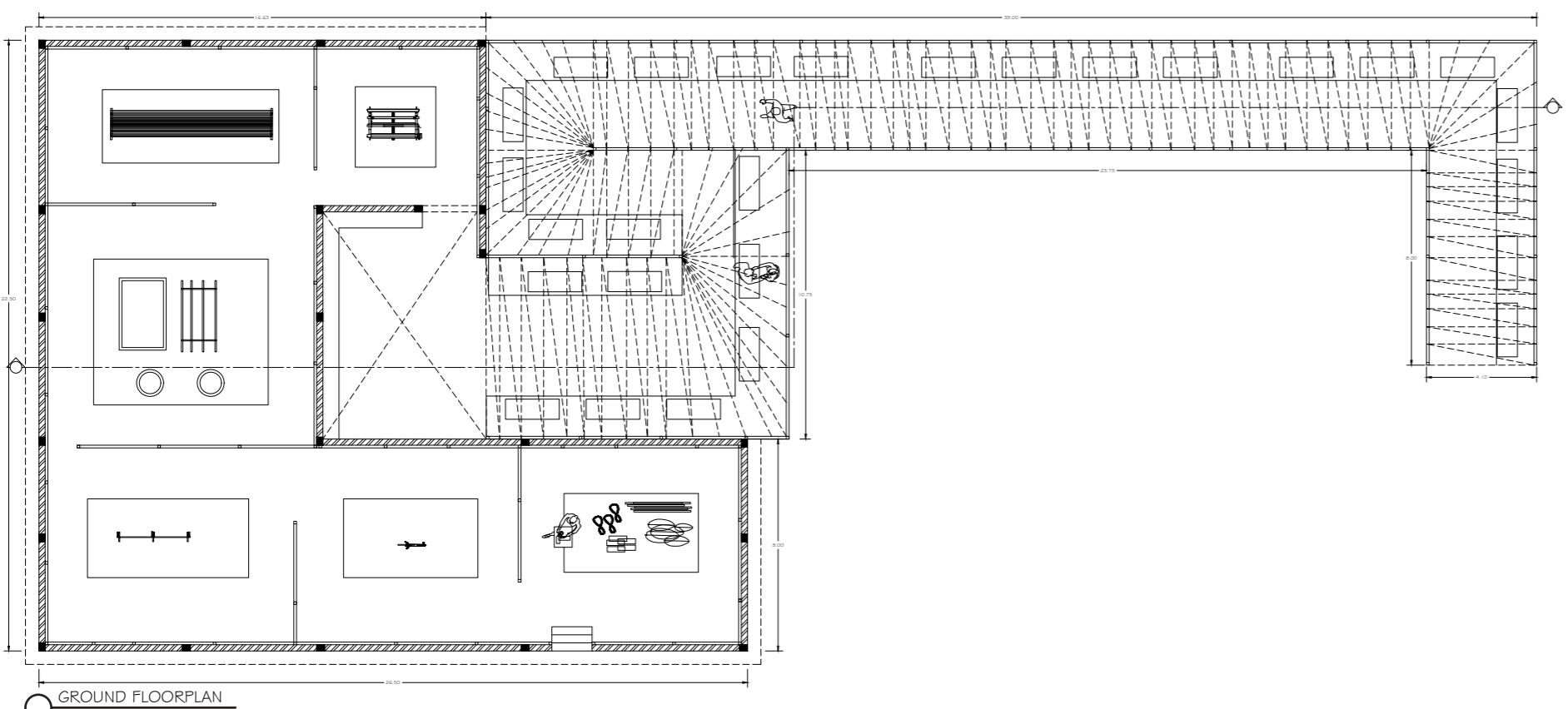


SOCIAL SPINE - COMMON SHEDS

MARKET AND EXHIBITION SHED



ELEVATION



GROUND FLOORPLAN

LIBRARY :

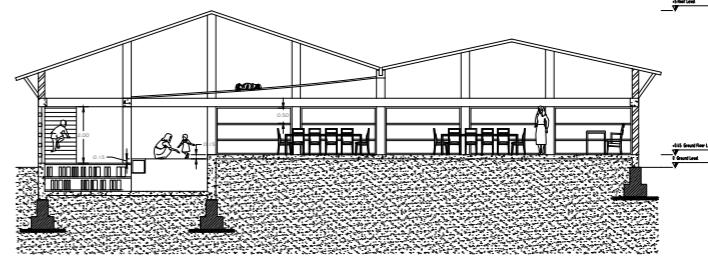
THEY DONT HAVE ANY RECORDS OF THEIR DESIGNS, THEIR TEXTURES, PATTERNS, GRAPHS, INSPIRATIONS, ORNAMENTS, TRADITIONAL KNOWLEDGES, DYE COLOR PALETTES, ETC. A LIBRARY IS NOT ONLY ABOUT LENDING BOOKS, IT CAN LEND TOOLS, IT CAN LEND DYES, IT CAN LEND TECHNIQUES. IT IS MEANT TO LEND AND CARRY FORWARD YEARS OF TRADITIONAL KNOWLEDGE SYSTEMS IN HANDLOOM WEAVING.

GATHERING HALL :

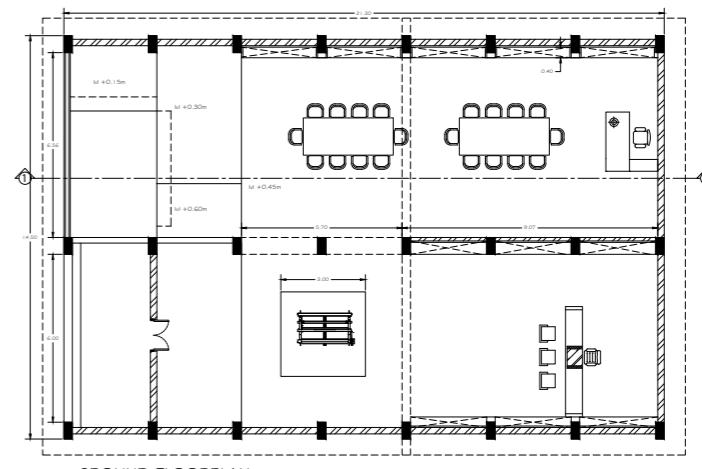
THE WEAVERS DOESN'T KNOW WHAT COLOURS ARE FASHIONABLE OR WHERE EXHIBITIONS ARE HELD. PEOPLE FROM GOVERNMENT ORGANISATIONS OCCASIONALLY VISIT OUR VILLAGES TO RAISE AWARENESS ABOUT EXHIBITIONS, GOVERNMENT SCHEMES AND HEALTH CAMPS BUT THEY DON'T HAVE MUCH SPACES TO GATHER. WE NEED A SPOT IN THE SHADE.

URBAN DESIGN PROJECT

LIBRARY

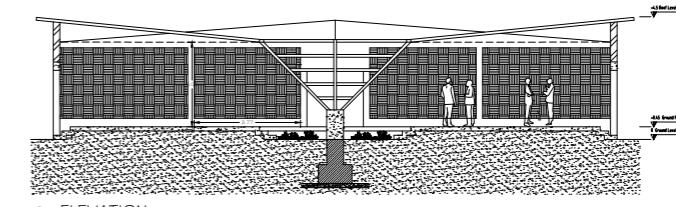


ELEVATION

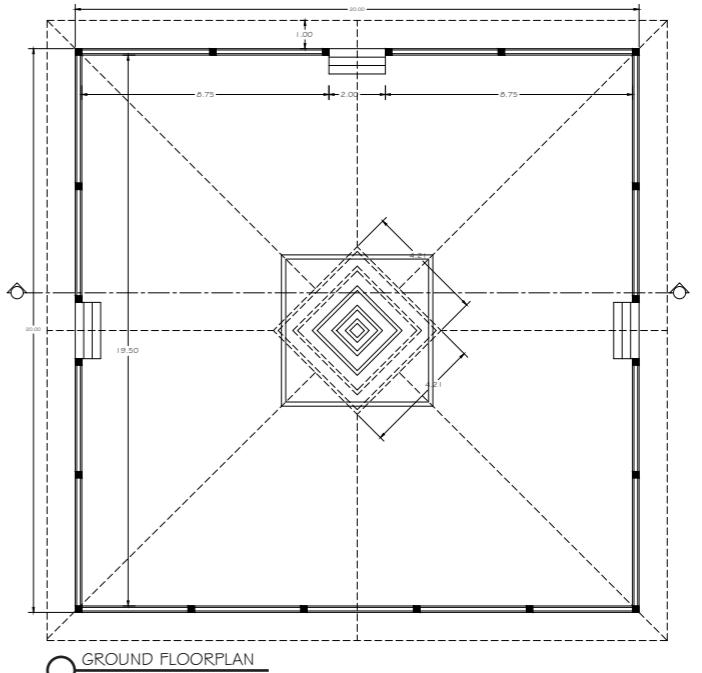


GROUND FLOORPLAN

GATHERING HALL



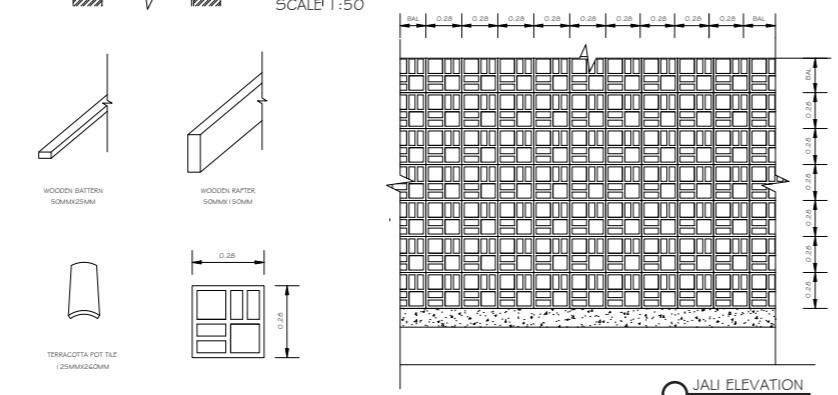
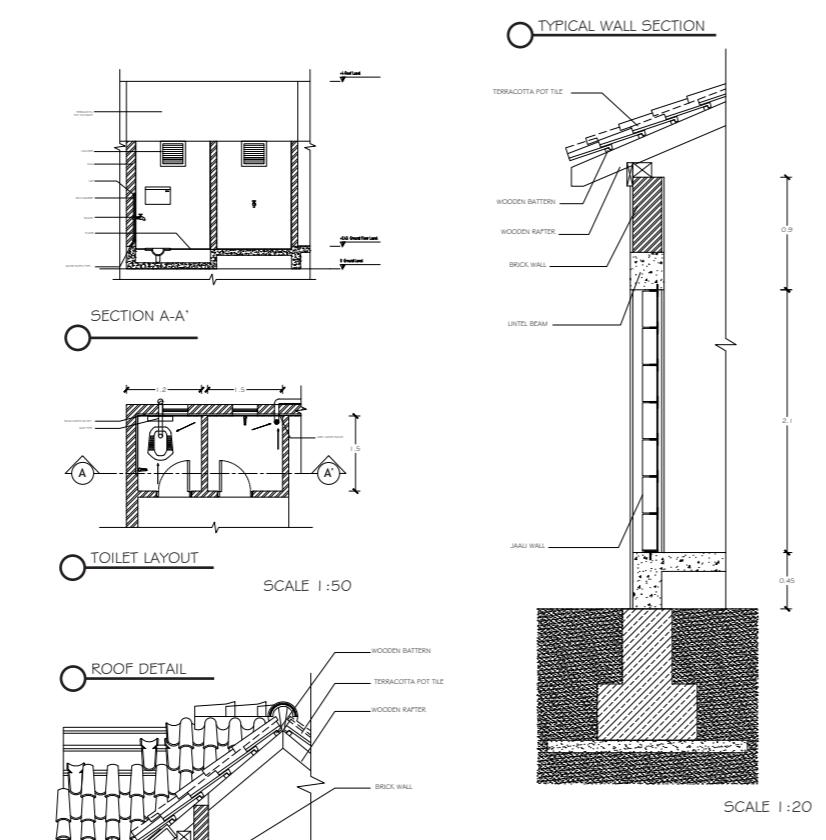
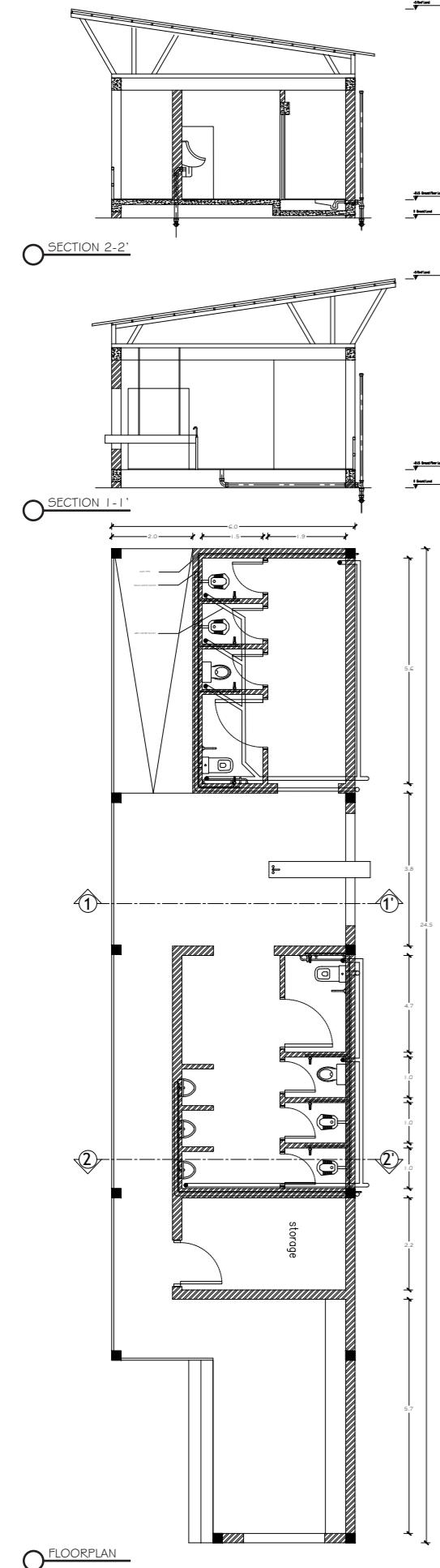
ELEVATION



GROUND FLOORPLAN

ARCHITECTURE DETAILING

PUBLIC TOILET





ARCHITECTURE INTERNSHIP

CONTENTS

CENTRAL UNIVERSITY OF
ANDHRA PRADESH

- ACADEMIC BLOCK - FLOORPLAN
- HOSTEL BLOCK - FLOORPLAN



CHIKKABALLAPURA MEDICAL COLLEGE

ACADEMIC BLOCK

- SKIN SECTION
- STAIRCASE DETAIL
- LIFT LOBBY

GIRLS HOSTEL

- FLOORING
- KITCHEN
- UTILITY
- TOILET



HAVERI MEDICAL COLLEGE

ACADEMIC BLOCK

- SKIN SECTION
- ELEVATION
- STAIRCASE DETAIL
- FLOORING LAYOUT



YADGIRI MEDICAL COLLEGE

DEAN QUARTERS

- FLOORING LAYOUT

PROPOSED TEST TRACK OF RTO LAND AT - VIJAYAPUR, DEVANAHALLI,
KOLAR, DAVANGERE AND BELLARY

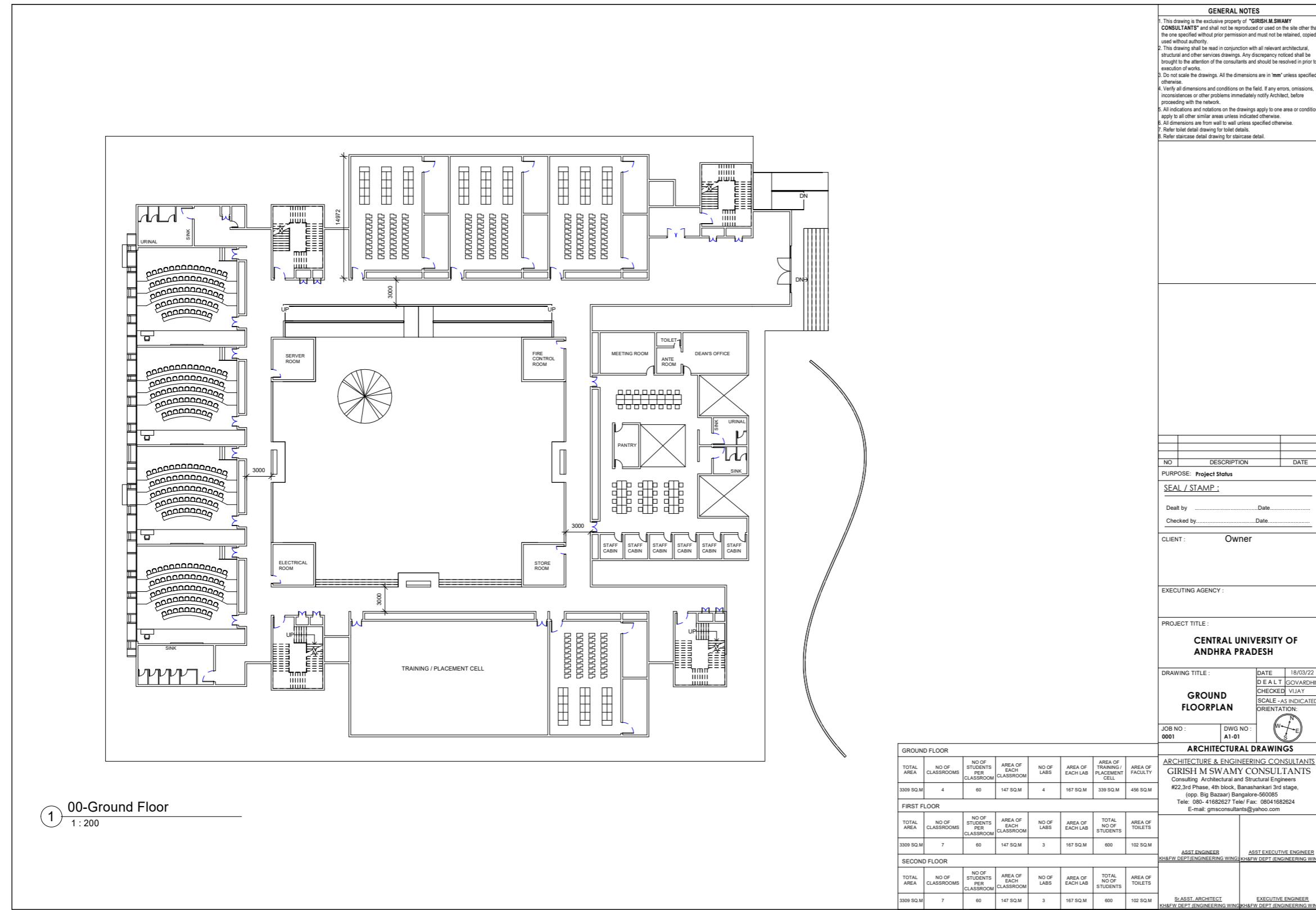
CENTRAL UNIVERSITY OF ANDHRA PRADESH

SITE LOCATION : ANANTAPUR

SITE AREA : 491.3 ACRE

PROPOSED CONSTRUCTION AREA : 210 ACRE

FUTURE EXPANSION AREA : 281.3 ACRE



3D VIEW

CENTRAL UNIVERSITY OF ANDHRA PRADESH

ACADEMIC BLOCK

GENERAL NOTES

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- This drawing shall be read in conjunction with all relevant architectural, structural and other services drawings. Any discrepancy noticed shall be brought to the attention of the consultants and should be resolved in prior to execution of works.
- Do not alter the drawings. All the dimensions are in mm unless specified otherwise.
- Verify all dimensions and conditions on the field. If any errors, omissions, inconsistencies or other problems immediately notify Architect, before proceeding with the work.
- All indications and notations on the drawings apply to one area or conditions apply to all other similar areas unless indicated otherwise.
- All dimensions are from wall to wall unless specified otherwise.
- Refer toilet detail drawing for toilet details.
- Refer staircase detail drawing for staircase detail.

NO	DESCRIPTION	DATE
PURPOSE: Project Status		
SEAL / STAMP :		
Dealt by	Date.....	
Checked by.....	Date.....	
CLIENT : Owner		
EXECUTING AGENCY :		
PROJECT TITLE : CENTRAL UNIVERSITY OF ANDHRA PRADESH		
DRAWING TITLE :	DATE 18/03/22	
DEALT BY GOVARDHINI	CHECKED BY VIJAY	
SCALE - As indicated		
ORIENTATION:		
JOB NO.: 0001	DWG NO.: A1-02	

FIRST FLOORPLAN

GROUND FLOOR

TOTAL AREA	NO OF CLASSROOMS	NO OF STUDENTS PER CLASSROOM	AREA OF EACH CLASSROOM	NO OF LABS	AREA OF EACH LAB	AREA OF TRAINING / PLACEMENT CELL	AREA OF FACULTY
3309 SQ.M	4	60	147 SQ.M	4	167 SQ.M	339 SQ.M	456 SQ.M

FIRST FLOOR

TOTAL AREA	NO OF CLASSROOMS	NO OF STUDENTS PER CLASSROOM	AREA OF EACH CLASSROOM	NO OF LABS	AREA OF EACH LAB	TOTAL NO OF STUDENTS	AREA OF TOILETS
3309 SQ.M	7	60	147 SQ.M	3	167 SQ.M	600	102 SQ.M

SECOND FLOOR

TOTAL AREA	NO OF CLASSROOMS	NO OF STUDENTS PER CLASSROOM	AREA OF EACH CLASSROOM	NO OF LABS	AREA OF EACH LAB	TOTAL NO OF STUDENTS	AREA OF TOILETS
3309 SQ.M	7	60	147 SQ.M	3	167 SQ.M	600	102 SQ.M

ARCHITECTURAL DRAWINGS

ARCHITECTURE & ENGINEERING CONSULTANTS
GIRISH M SWAMY CONSULTANTS
Consultant Architectural & Structural Engineers
#22,3rd phase, 4th block, Basaveshwari 3rd stage,
opp. B. Basaveshwari Nagar, Bangalore-560005
Tele: 080-41682627 Tele Fax: 080-41682624
E-mail: gmsconsultants@yahoo.com

ASST. ENGINEER KH&FW DEPT.(ENGINEERING WING) ASST. EXECUTIVE ENGINEER KH&FW DEPT.(ENGINEERING WING)

S. ASST. ARCHITECT KH&FW DEPT.(ENGINEERING WING) EXECUTIVE ENGINEER KH&FW DEPT.(ENGINEERING WING)

1 01-First Floor

1 : 200

CENTRAL UNIVERSITY OF ANDHRA PRADESH

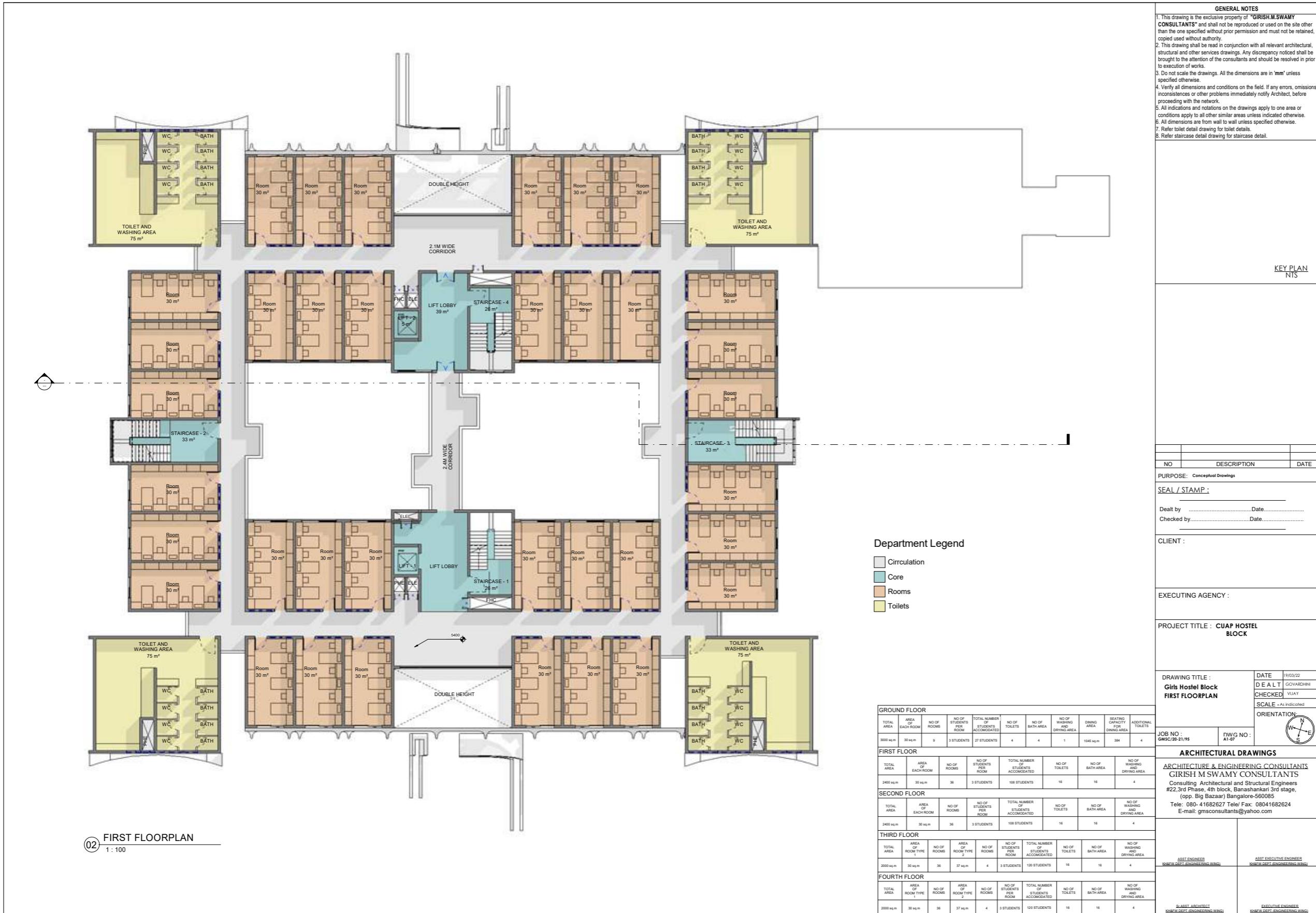
HOSTEL BLOCK



3D VIEW

CENTRAL UNIVERSITY OF ANDHRA PRADESH

HOSTEL BLOCK



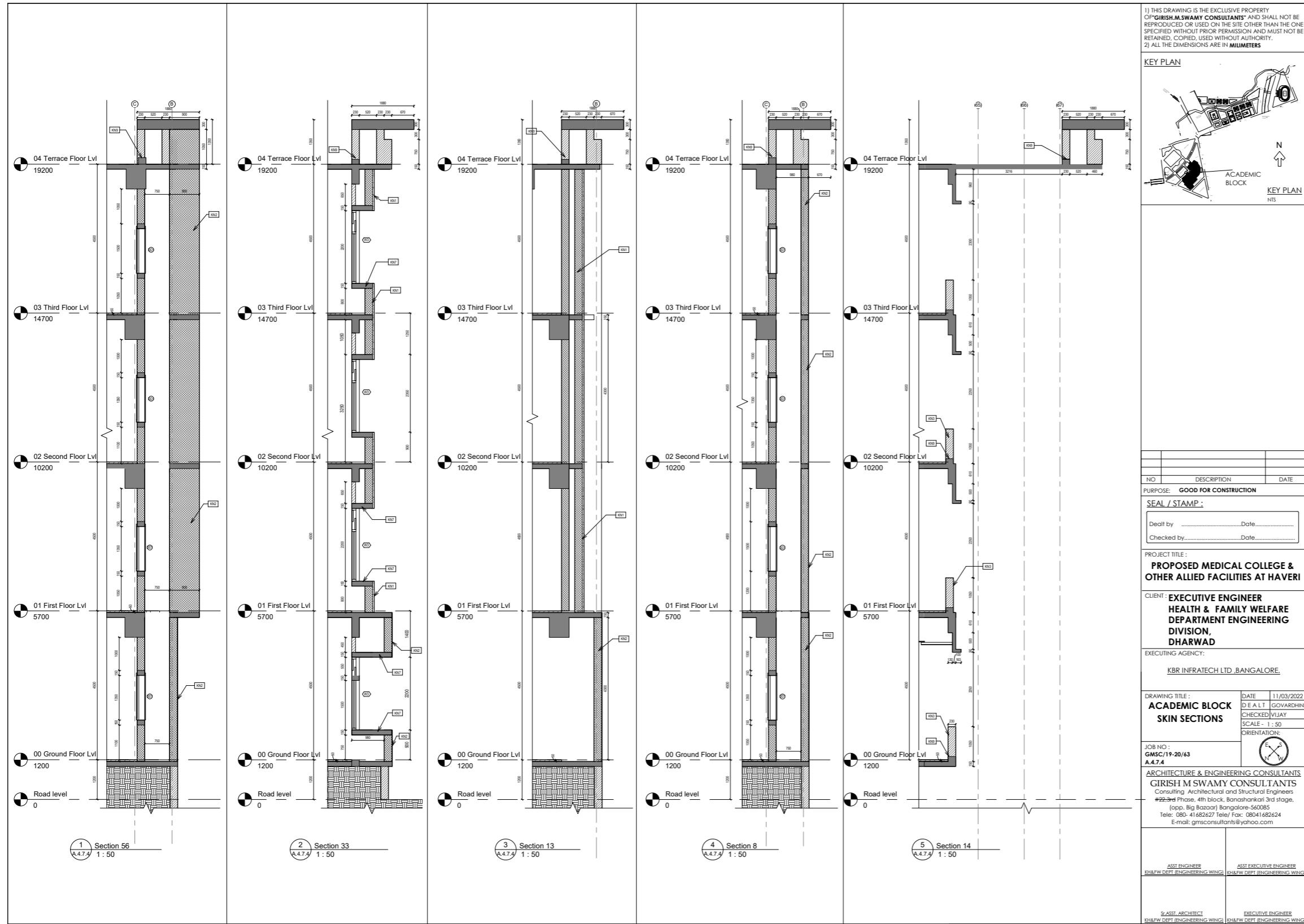
HAVERI MEDICAL COLLEGE - SKIN SECTION

SITE LOCATION : HAVERI

SITE AREA : 56 ACRE

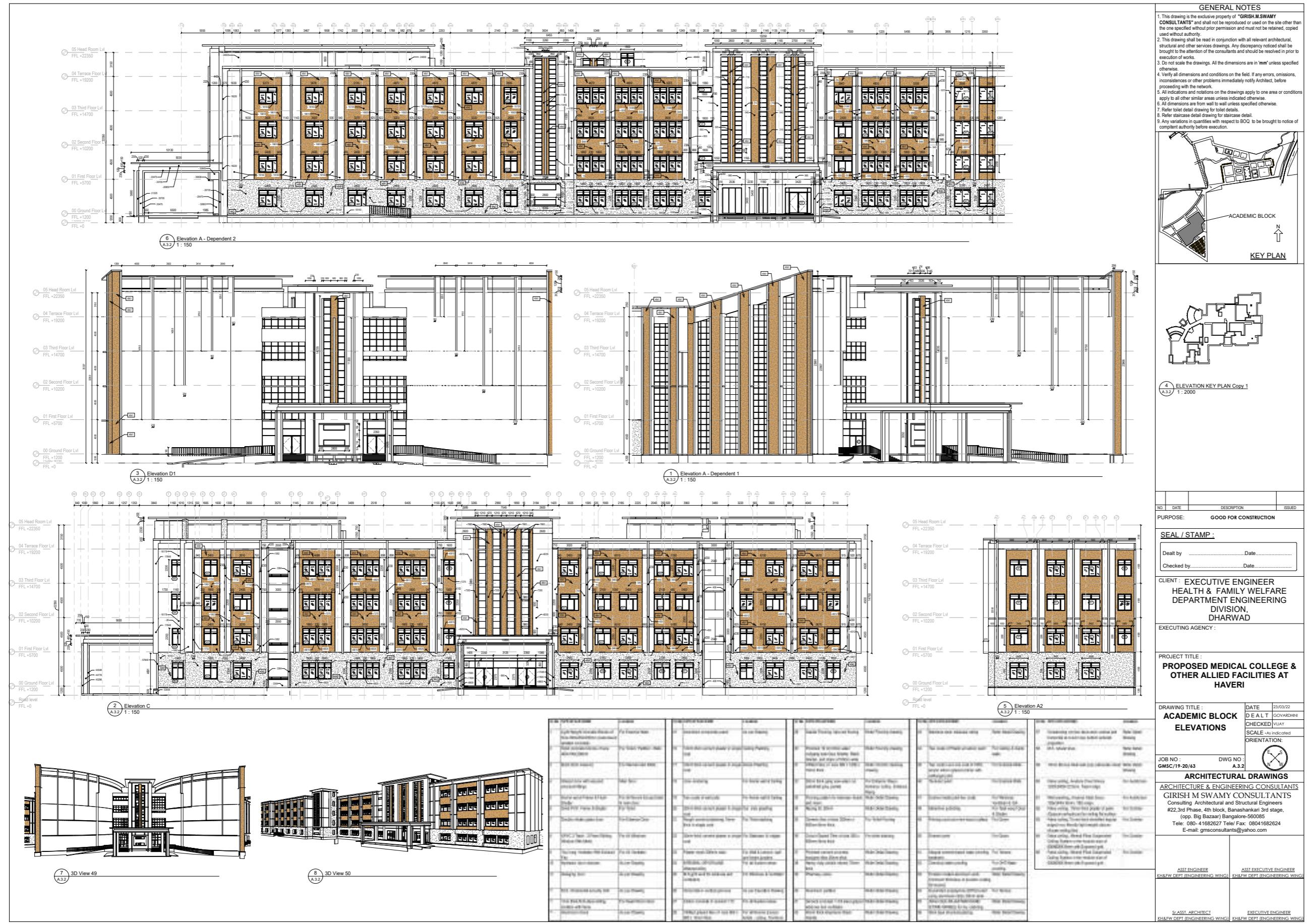
PROPOSED CONSTRUCTION AREA : 22.12 ACRE

TOTAL GROUND COVERAGE : 5.24 ACRE

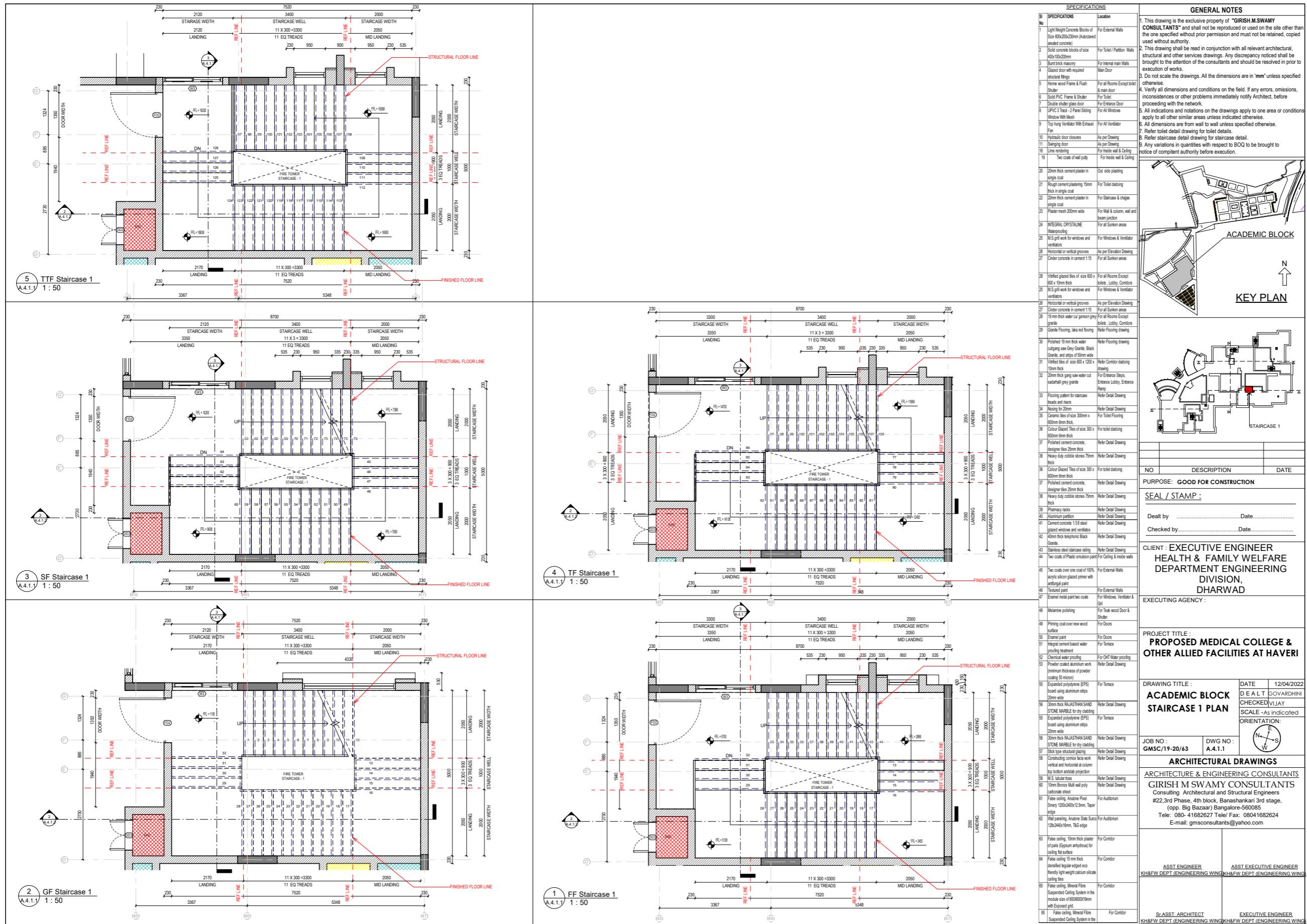


- LEGEND PHASE I**
1. ACADEMIC BLOCK
 2. PRINCIPAL QUARTER'S
 3. DEAN QUARTER'S
 4. TEACHING STAFF QUARTERS
 5. GIRLS HOSTEL
 6. NURSES'S QUARTER'S = 3 NOS
 7. GROUP - D QUARTER'S - 2 NOS
 8. BOY'S HOSTEL
 9. COMMERCIAL COMPLEX
- LEGEND PHASE II**
1. INTERNS (MALE & FEMALE)
 2. SENIOR RESIDENTS (MALE & FEMALE)
 3. SERVICES
 4. STADIUM

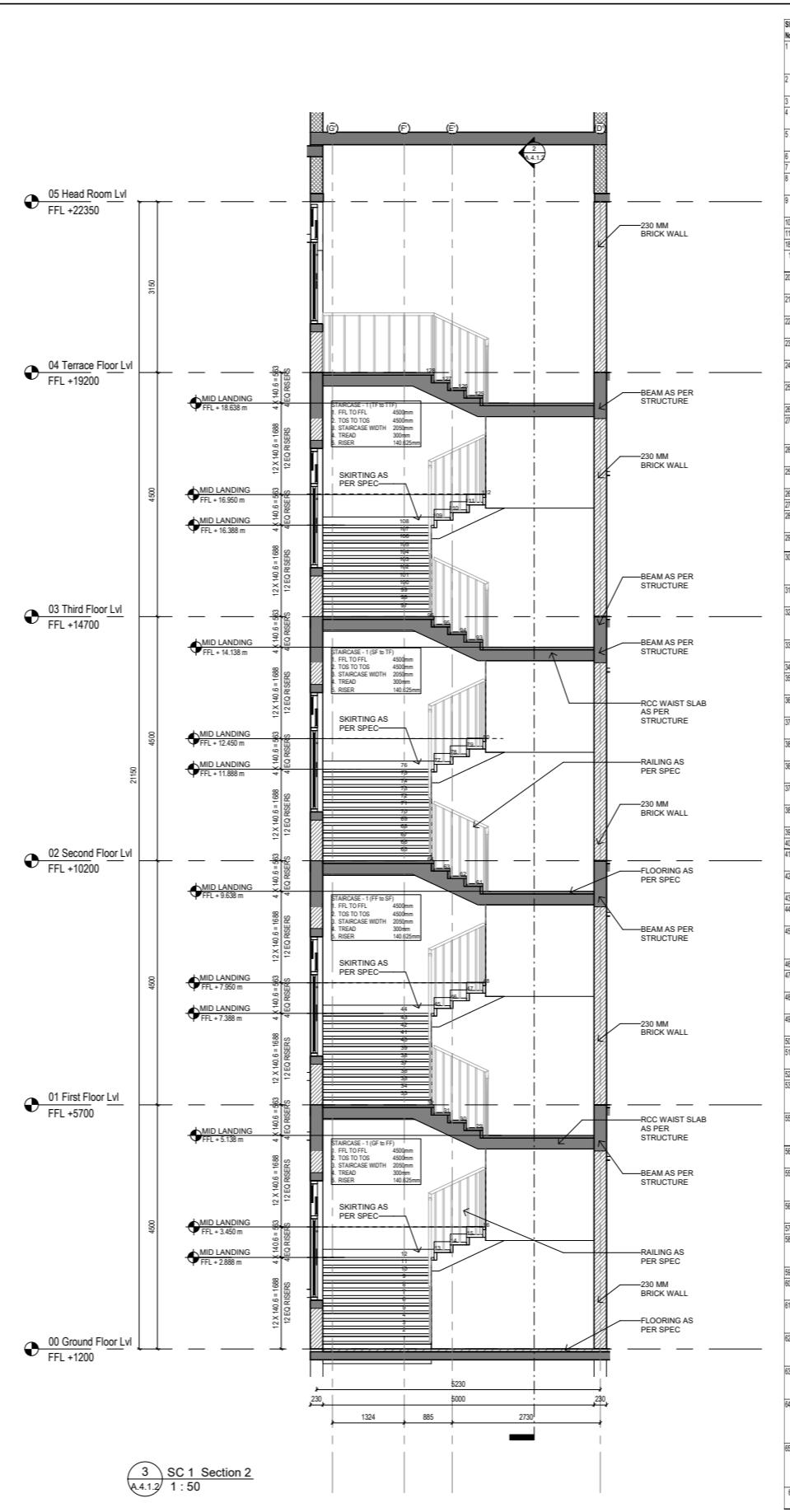
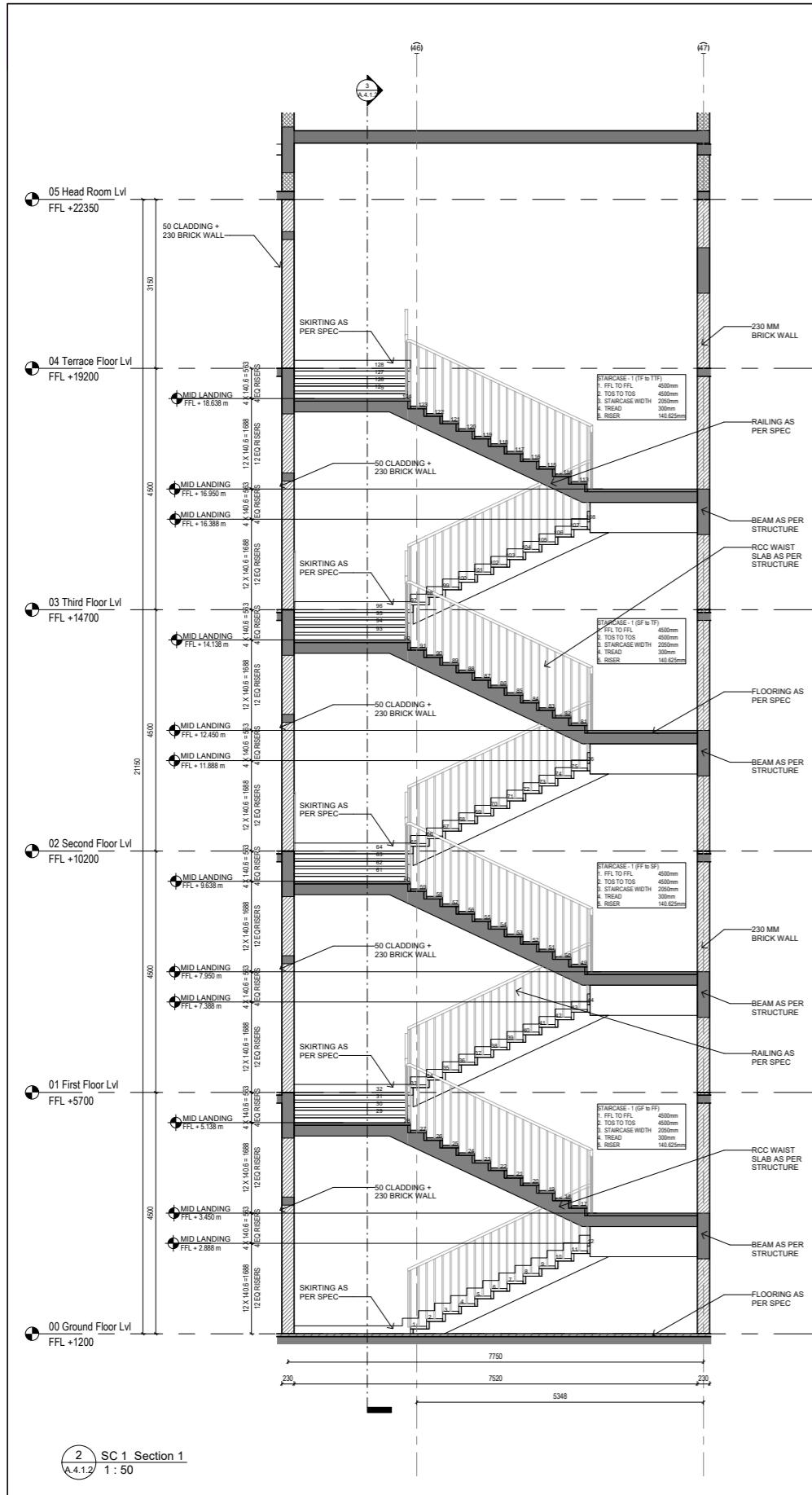
HAVERI MEDICAL COLLEGE - ELEVATION



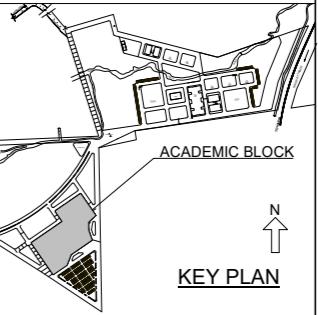
HAVERI MEDICAL COLLEGE - STAIRCASE DETAIL



HAVERI MEDICAL COLLEGE - STAIRCASE DETAIL



SPECIFICATIONS		GENERAL NOTES
Sl No	LOCATION	1. This drawing is the exclusive property of "GIRISH M SWAMY CONSULTANTS" and shall not be reproduced or used on the site other than the one specified without prior permission and must not be retained, copied used without authority.
1	Light Weight Concrete Blocks of size 800x200x200mm (Autoclaved pervaded concrete)	2. This drawing shall be read in conjunction with all relevant architectural, structural and other services drawings. Any discrepancy noticed shall be brought to the attention of the consultants and should be resolved in prior to execution of works.
2	Solid concrete blocks of size 400x100x200mm	3. All indications and notations on the drawings apply to one area or conditions apply to all other similar areas unless indicated otherwise.
3	Burn brick masonry	4. All dimensions are from wall to wall unless specified otherwise.
4	Glassed door with required structural fittings	5. Do not scale the drawings. All the dimensions are in 'mm' unless specified otherwise.
5	Home wood Frame & Panel	6. Refer all elevations and conditions on the field. If any errors, omissions, incoherencies or other problems immediately notify Architect, before proceeding with the network.
6	For External Walls	7. All indications and notations on the drawings apply to one area or conditions apply to all other similar areas unless indicated otherwise.
7	Solid PVC Frame & Shutter	8. Refer staircase detail drawing for staircase detail.
8	Double shutter glass door	9. Any variation in quantities with respect to BOQ to be brought to notice of competent authority before execution.
9	UPVC 3 Track 2 Panel Sliding Window With Mesh	
10	Top hung Ventilator With Exhaust Fan	
11	Hydraulic door closures	
12	Swing door	
13	Lime rendering	
14	For Inside wall & Ceiling	
15	Two coats of wall putty	
16	20mm thick cement plaster in single coat	
17	Rough cement plastering 15mm thick in single coat	
18	20mm thick cement plaster in single coat	
19	Paster mesh 20mm wide	
20	For Wall & column, wall and beam junctions	
21	Integral CRY STALINE Waterproofing	
22	M.S. grill work for windows and ventilators	
23	Horizontal or vertical grooves	
24	Onder concrete in cement 1:15	
25	For all Sunken areas	
26	Vitrified glazed tiles of size 600x600x10mm	
27	For all Sunken areas	
28	M.S. grill work for windows and ventilators	
29	Horizontal or vertical grooves	
30	Onder concrete in cement 1:15	
31	Granite Flooring, like red flooring	
32	Polished 15 mm thick water cutting saw Grey Granite, Black Granite, and stone of 55mm thick	
33	For all Rooms Except Toilets, Lobby, Corridors	
34	Vitrified tiles of size 600x1200mm thick	
35	For all Sunken areas	
36	Marble Gres Tiles of size 300x300mm thick	
37	For all Sunken areas	
38	For all Sunken areas	
39	For all Sunken areas	
40	For all Sunken areas	
41	For all Sunken areas	
42	For all Sunken areas	
43	For all Sunken areas	
44	For all Sunken areas	
45	Two coats over one coat of 100% acrylic silicon based primer with artificial paint	
46	For External Walls	
47	Textured paint	
48	Enamel metal paint two coats	
49	For Windows, Ventilators & Grill	
50	Melamine polishing	
51	For Teak wood Door & Shutter	
52	Priming coat over new wood	
53	For Doors	
54	Enamel paint	
55	Integral cement based water proofing treatment	
56	Chemical water proofing	
57	Powder coated aluminium work (minimum thickness of powder 50 microns)	
58	Expanded polystyrene (EPS) board using aluminum strips 20mm wide	
59	30mm thick RAJASTHAN SAND STONE MARBLE for dry cladding	
60	Expanded polystyrene (EPS) board using aluminum strips 20mm wide	
61	30mm thick RAJASTHAN SAND STONE MARBLE for dry cladding	
62	Shade tree structural frames	
63	Constructing concrete fascia work vertical and horizontal at column top bottom and abut projection	
64	M.S. tubular truss	
65	10mm Bronze Metal wall poly carbonate sheet	
66	False ceiling, Andre Pixel Sheet 120x240x15mm, TMA edge	
67	Wall paneling, Andante Stair Surco 128x240x15mm, TMA edge	
68	False ceiling, 10mm thick plaster (top part gypsum anhydrous) for ceiling surface	
69	False ceiling, 10mm thick decorative eco friendly light weight calcium silicate ceiling tiles	
70	For Corridor	
71	False ceiling, Mineral Fibre Suspended Ceiling System in the module size 600x600x9mm with Exposed grid.	
72	For Corridor	
73	False ceiling, Mineral Fibre Suspended Ceiling System in the	
74	For Corridor	
75	St. ASST. ARCHITECT	EXECUTIVE ENGINEER
76	KH&FW DEPT (ENGINEERING WING)	KH&FW DEPT (ENGINEERING WING)



CHIKKABALLAPURA MEDICAL COLLEGE - ACADEMIC BLOCK

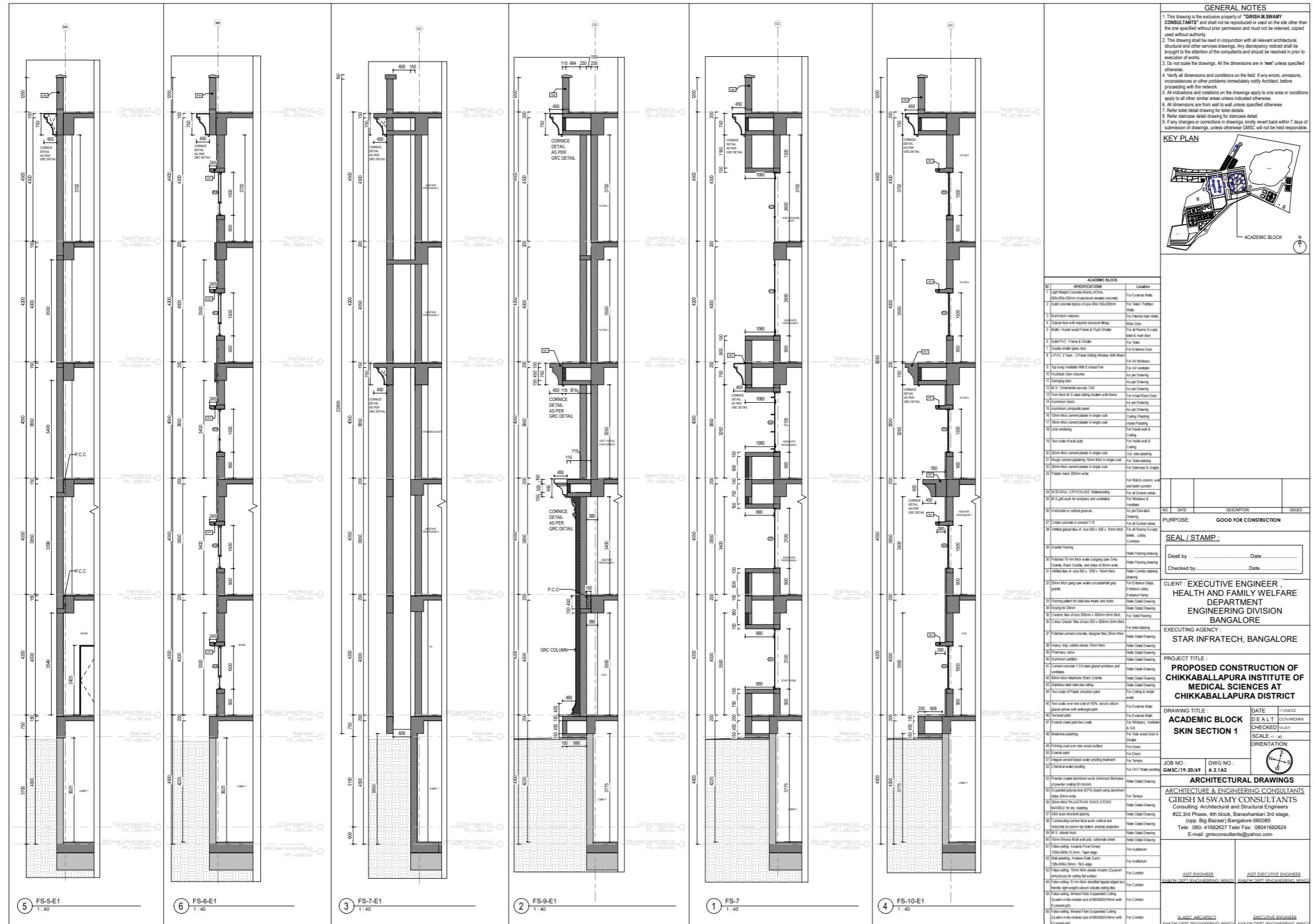
SKIN SECTION

SITE LOCATION : CHIKKABALLAPURA

SITE AREA : 60 ACRE

PROPOSED CONSTRUCTION AREA : 28.55 ACRE

FUTURE EXPANSION AREA : 31.45 ACRE



LEGEND PHASE 1

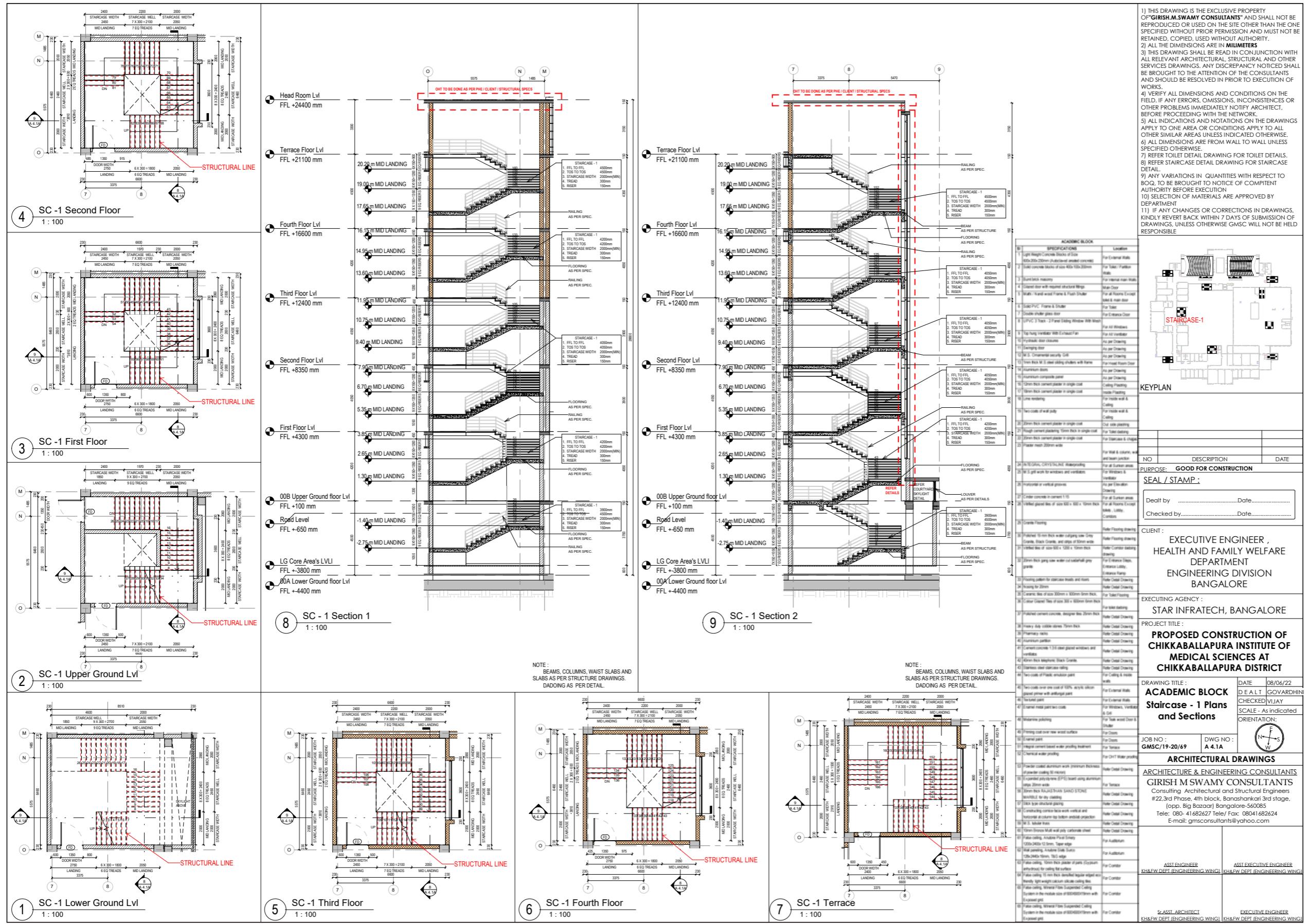
1. Academic Block
 - 2.Teaching Hospital
 - 3.Teaching Staff
 - 4.Girls Hostel
 - 5.Boys Hostel
 - 6.Group D Qtr
 - 7.Nurses Qtr
 - 8.Principal Qtr
 - 9.Dean Qtr
 - 10.Mortuary
 - 11.Toilet Block
 - 12.Visitors Parking
 - 13.Play Ground

LEGEND PHASE 2

- 1. Nurses Qtr -2
 - 2. Group D Qtr - 1
 - 3. Interns Male
 - 4. Senior Residents
 - 5. Male
 - 6. Interns Female
 - 7. Senior Residents
 - 8. Female

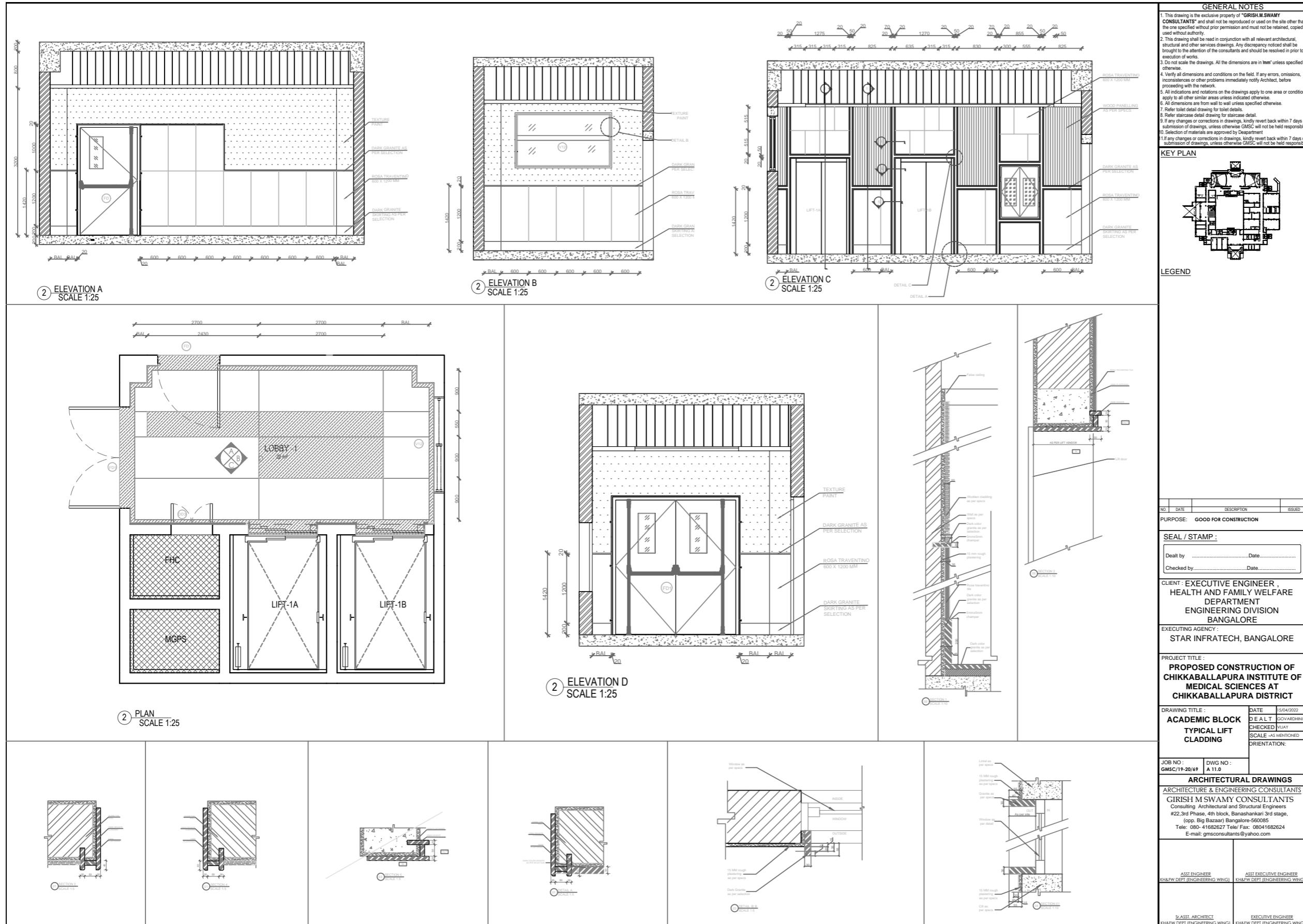
CHIKKABALLAPURA MEDICAL COLLEGE - ACADEMIC BLOCK

STAIRCASE DETAIL



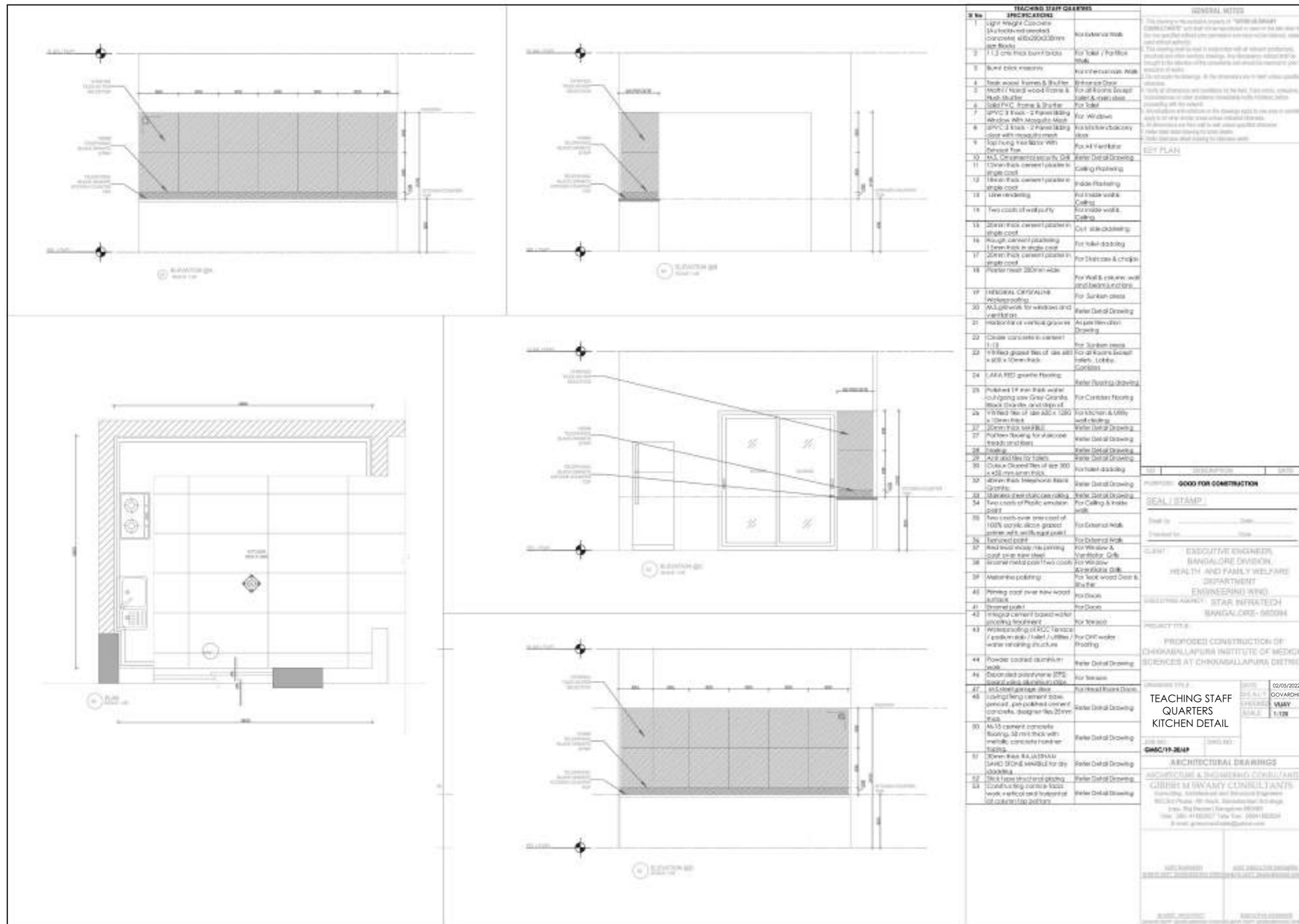
CHIKKABALLAPURA MEDICAL COLLEGE - ACADEMIC BLOCK

LIFT LOBBY DETAIL



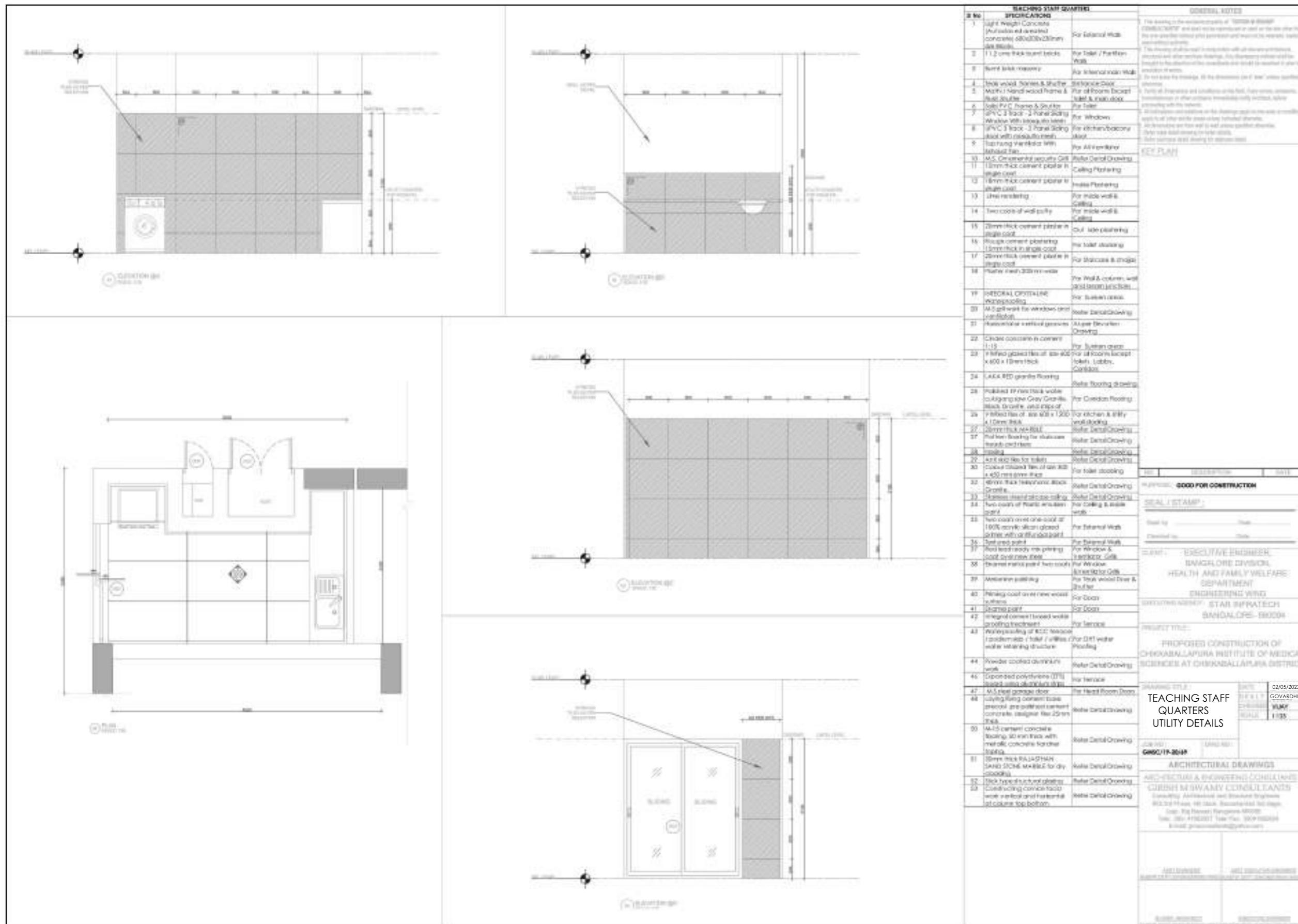
CHIKKABALLAPURA MEDICAL COLLEGE - GIRLS HOSTEL

KITCHEN LAYOUT



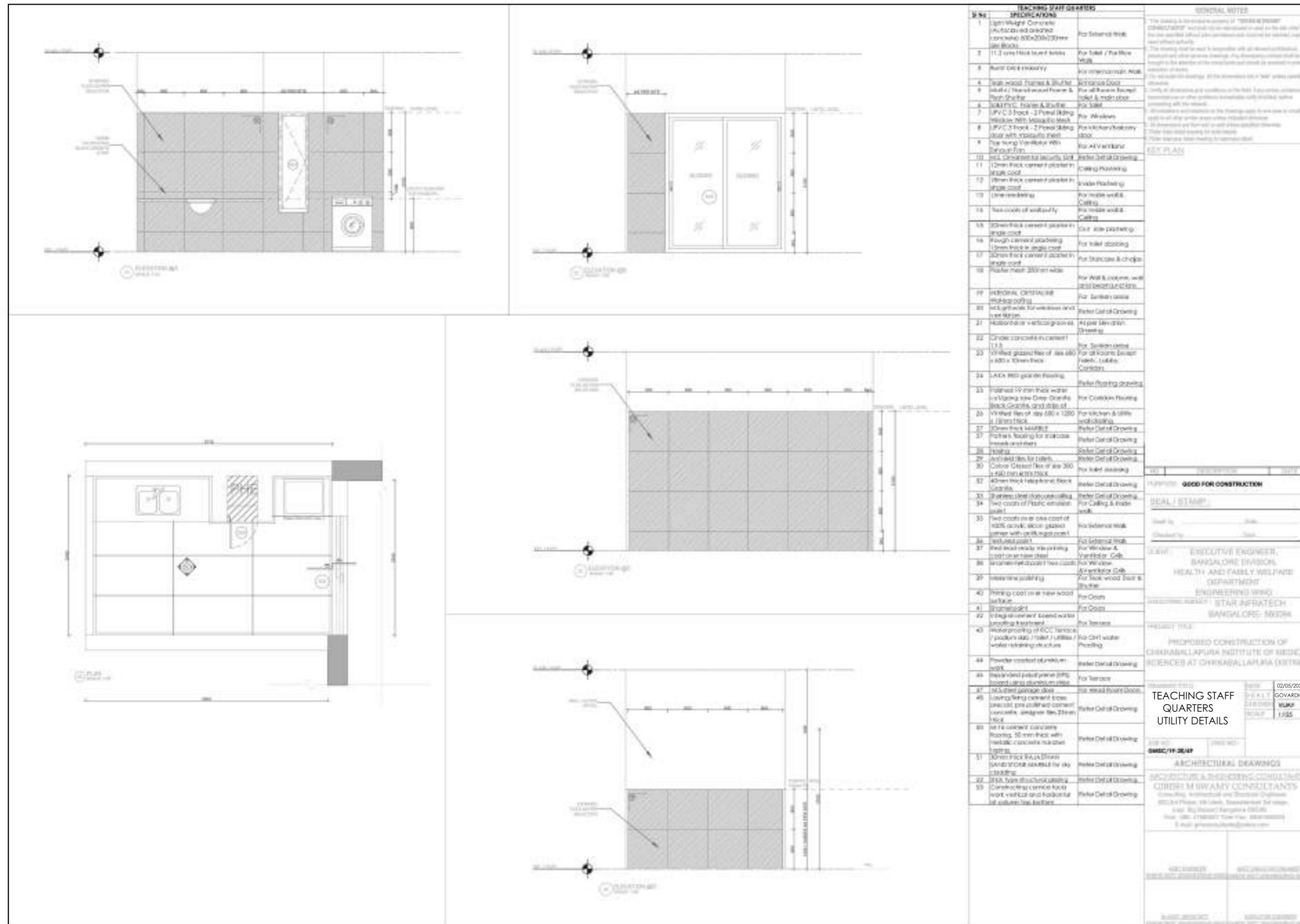
CHIKKABALLAPURA MEDICAL COLLEGE - GIRLS HOSTEL

UTILITY LAYOUT



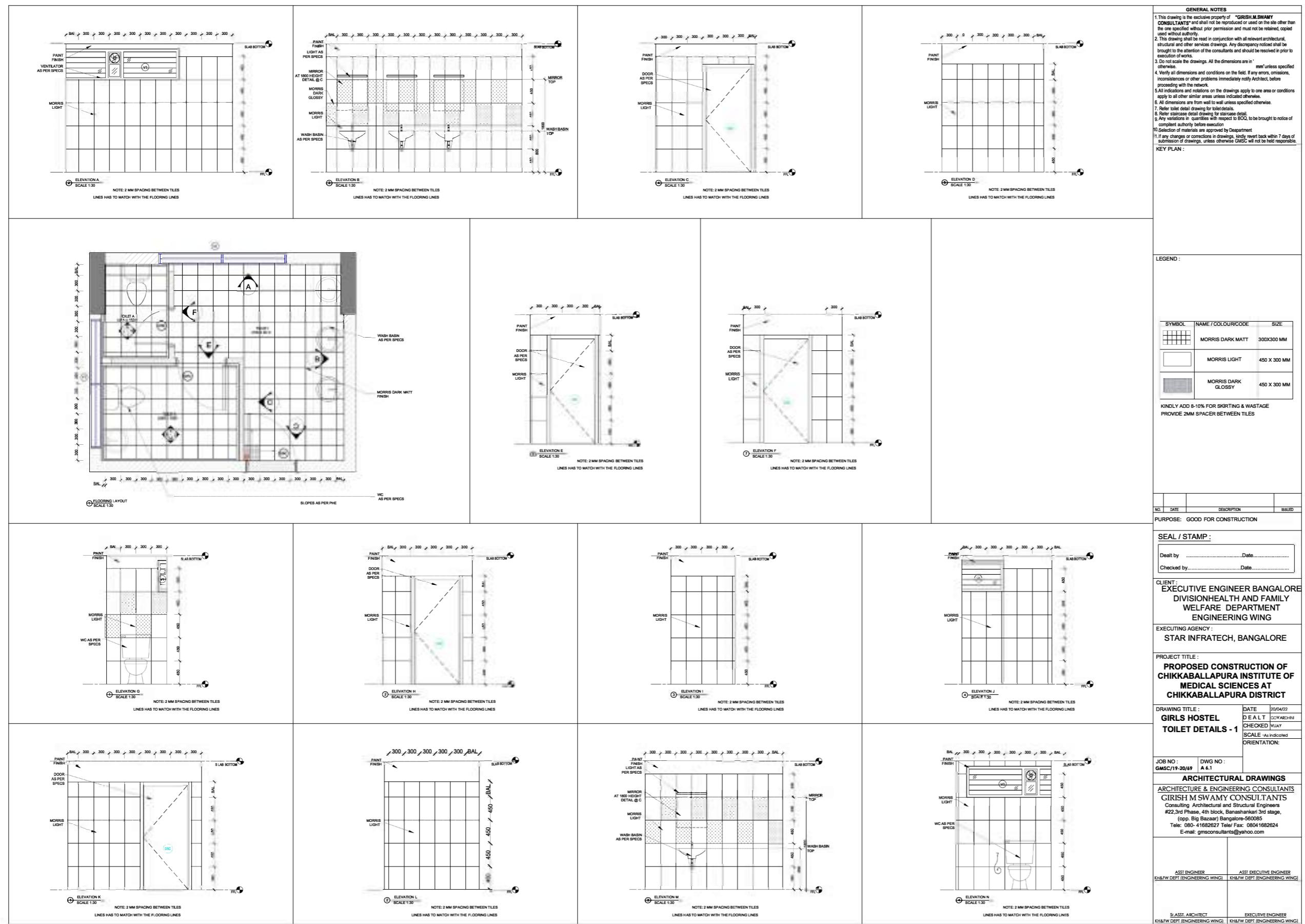
CHIKKABALLAPURA MEDICAL COLLEGE - GIRLS HOSTEL

UTILITY LAYOUT



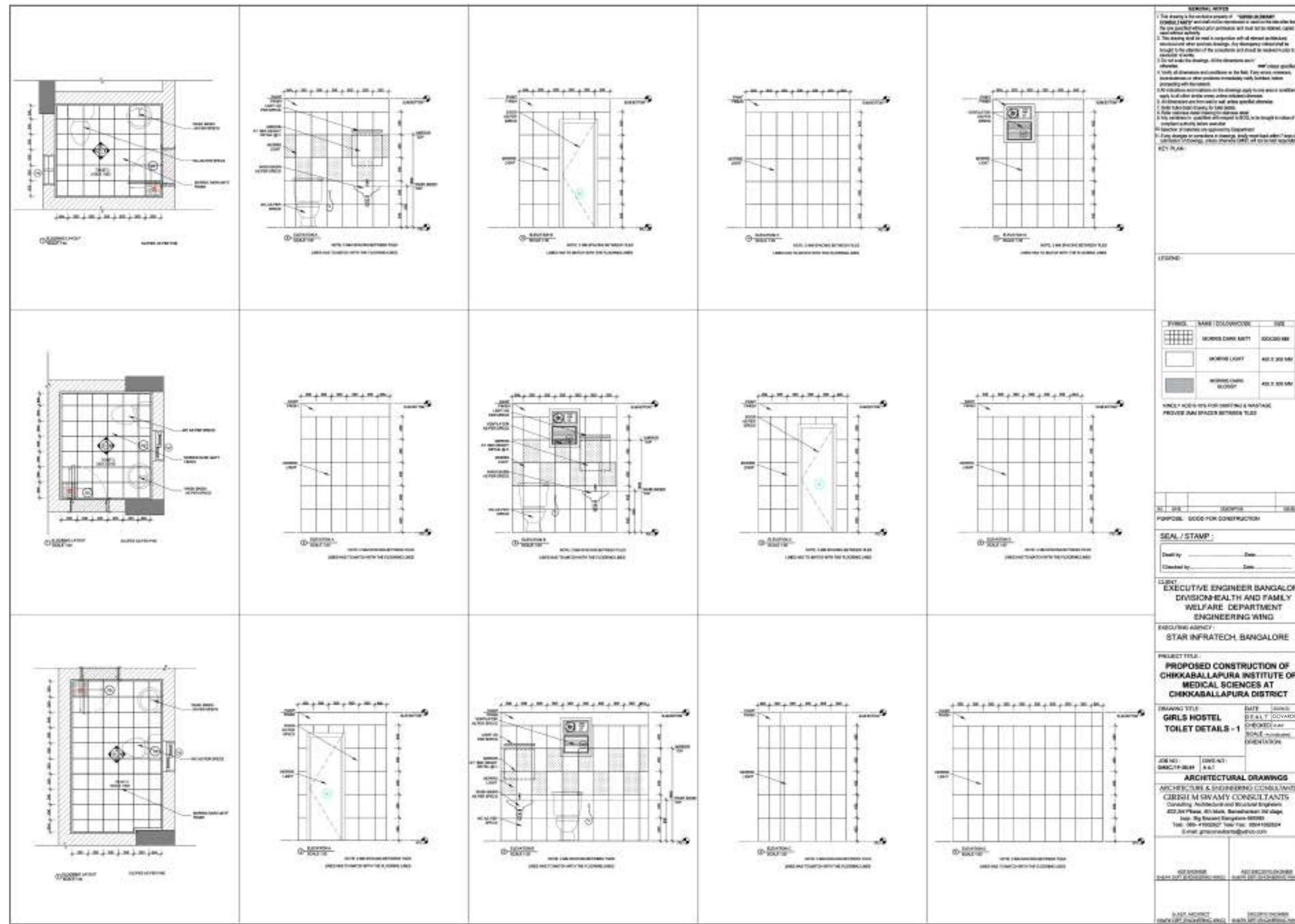
CHIKKABALLAPURA MEDICAL COLLEGE - GIRLS HOSTEL

TOILET LAYOUT

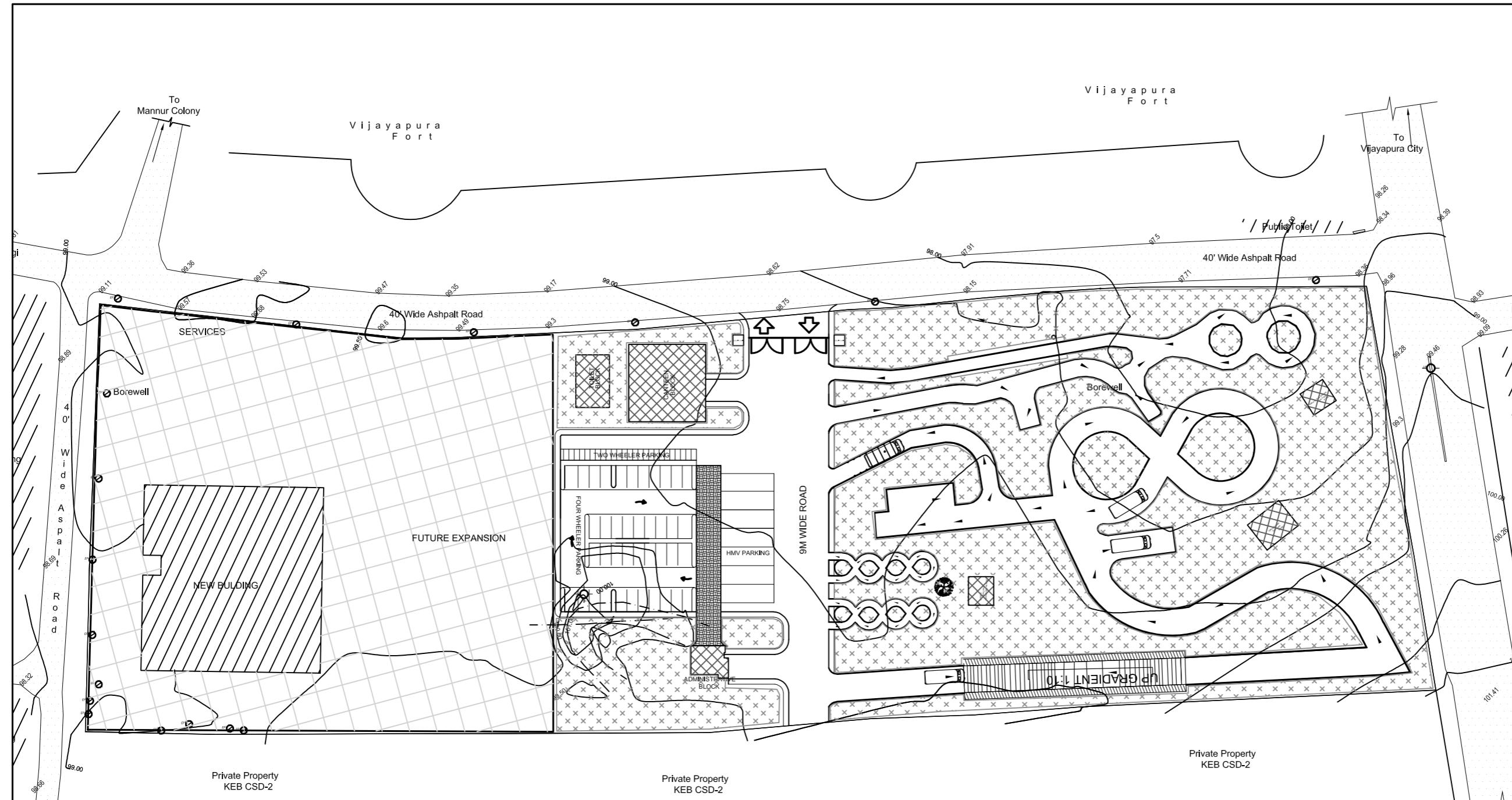


CHIKKABALLAPURA MEDICAL COLLEGE - GIRLS HOSTEL

TOILET LAYOUT



RTO TEST TRACK - VIJAYAPUR

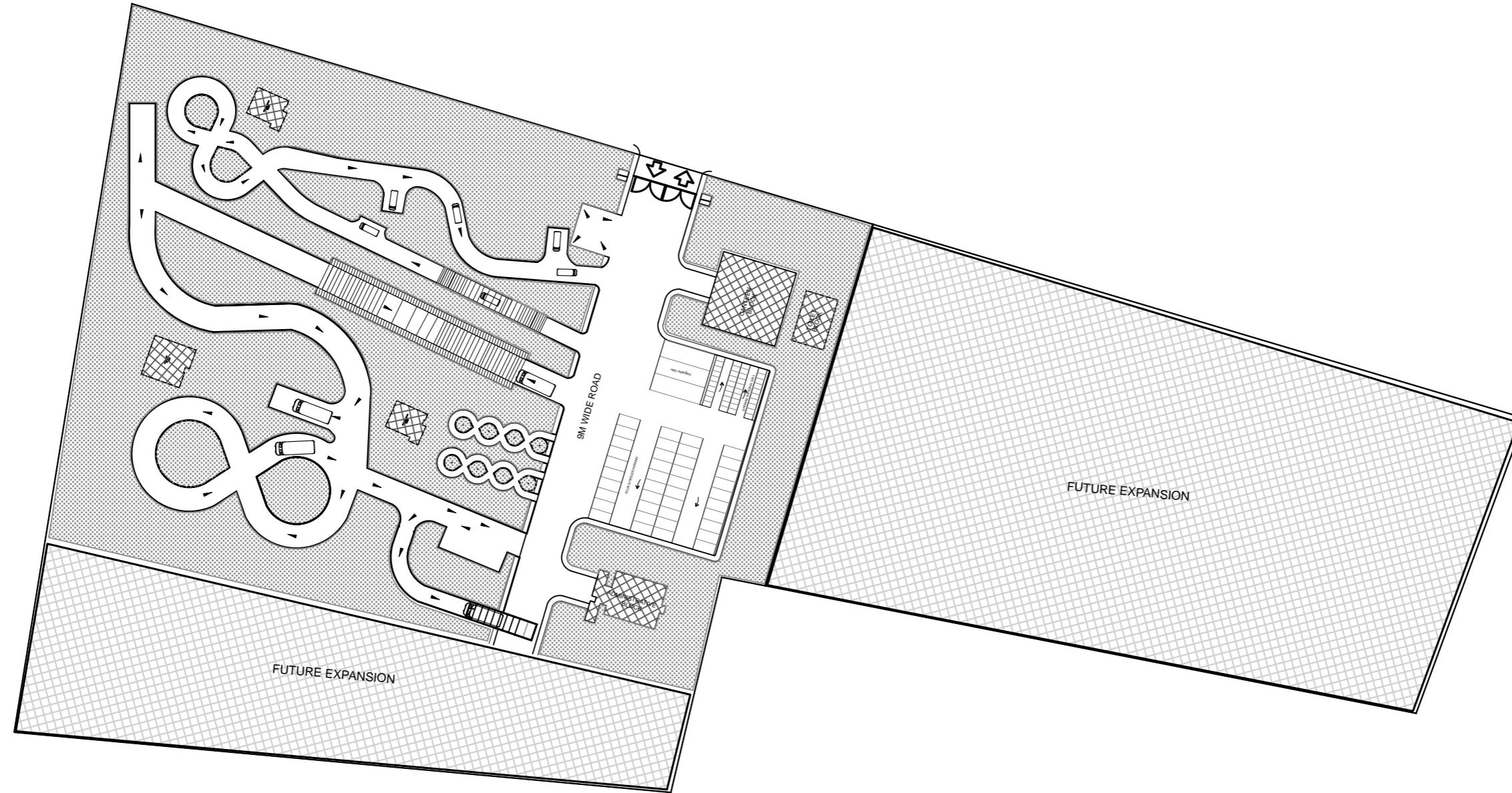


CONTENT	AREA (SQ.M)	PERCENTAGE
SITE AREA,	27362.19	100%
AREA OF HMV TEST TRACK	2970.295	10.86%
AREA OF FOUR WHEELER TEST TRACK	1186.015	4.33%
AREA OF TWO WHEELER TEST TRACK	238.046	0.87%
AREA OF PARKING AND ROAD	3574.878	13.07%
AREA FOR FUTURE EXPANSION	7771.875	28.46%
AREA OF MAIN BUILDING	54.682	0.20%
AREA OF PUBLIC TOILET	90.228	0.33%
AREA OF CANTIN	303.884	1.11%
AREA OF LANDSCAPE	11172.369	40.83%
NO OF TWO WHEELER PARKING	25 NOS	
NO OF FOUR WHEELER PARKING	40 NOS	
NO OF HMV PARKING	7 NOS	

TOTAL SITE AREA - 6.76 ACRE
TOTAL LAND DEVELOPMENT AREA - 4.38 ACRE

PROJECT MANAGEMENT CONSULTANT:		PROJECT TITLE:	
RITES RITES LIMITED (A GOVT. OF INDIA ENTERPRISE) Regional Project Office, Bangalore, 5th Floor, Industry House, 45, Fair Field Layout, Race Course Road, Bengaluru		PROPOSED TEST TRACK OF REGIONAL TRANSPORT OFFICE LAND AT VIJAYAPUR	
PURPOSE: FOR APPROVAL			
DATE	12-05-2022	DE ALT	GOVARDHIN
NO	DESCRIPTION	DATE	CHECKED VIJAY
CLIENT:			SCALE 1:2500
MASTER PLAN		ORIENTATION: N W E S	
EXECUTING AGENCY:			

RTO TEST TRACK - DEVANAHALLI

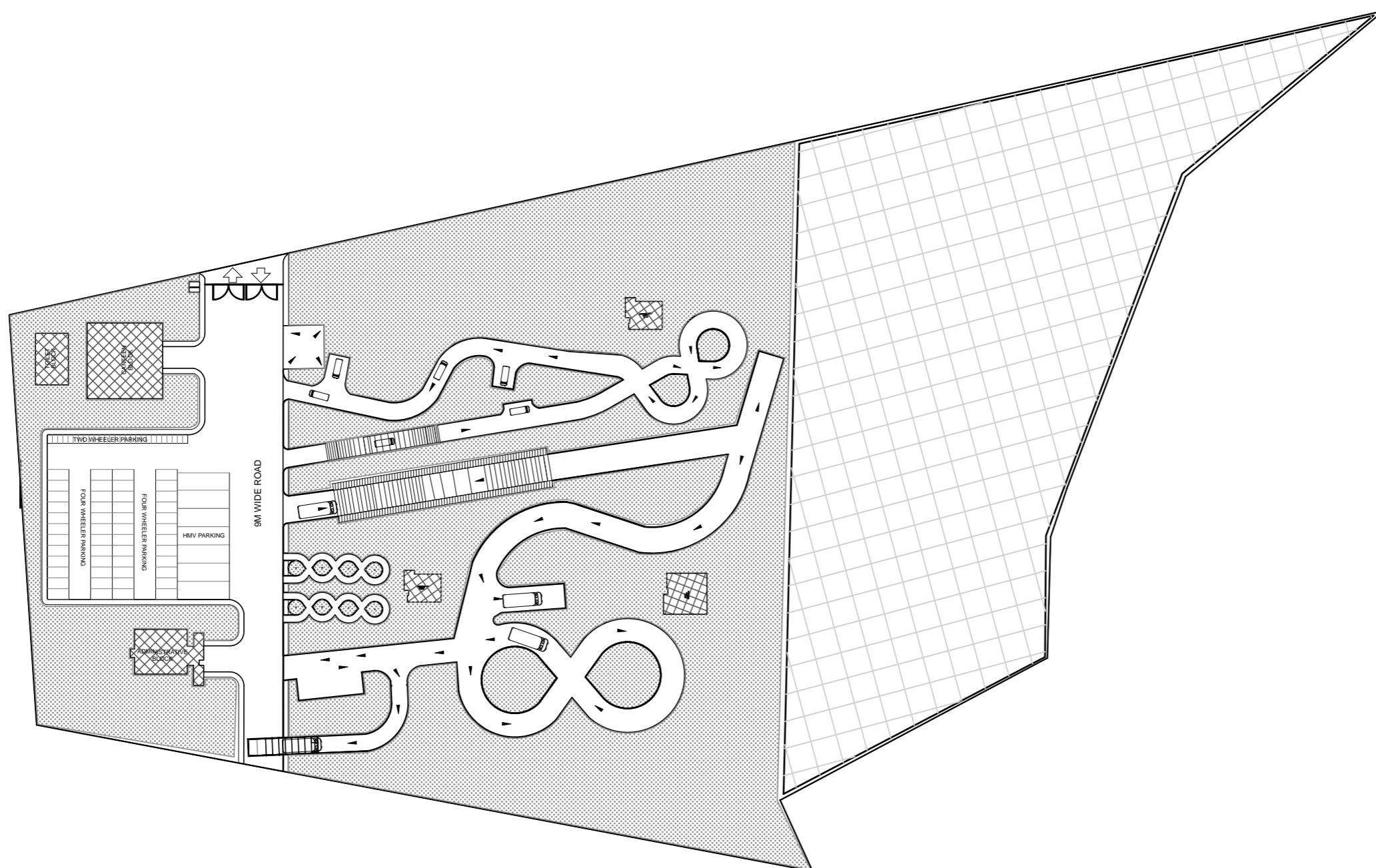


CONTENT	AREA(SQ.M)	PERCENTAGE
SITE AREA	37180.111	100%
AREA OF HMV TEST TRACK	2933.732	7.89%
AREA OF FOUR WHEELER TEST TRACK	1225.896	3.29%
AREA OF TWO WHEELER TEST TRACK	263.789	0.70%
AREA OF PARKING AND ROAD	5249.797	13.74%
AREA OF FUTURE EXPANSION	16798.118	45.18%
AREA OF MMN BUILDING	160.711	0.43%
AREA OF PUBLIC TOILET	90.228	0.24%
AREA OF CANTEEN	303.804	0.81%
AREA OF LANDSCAPE	12154.036	32.68%
NO OF TWO WHEELER PARKING	40 NOS	
NO OF FOUR WHEELER PARKING	40 NOS	
NO OF HMV PARKING	3 NOS	

TOTAL SITE AREA - 9.18 ACRE
TOTAL LAND DEVELOPMENT AREA - 4.63 ACRE
COMPOUND WALL TOTAL LENGTH - 620.53 M

PROJECT MANAGEMENT CONSULTANT:		PROJECT TITLE :										
RITES LIMITED (A GOVT. OF INDIA ENTERPRISE) Regional Project Office, Bangalore, 5th Floor, Industry House, 45, Fair Field Layout, Race Course Road, Bengaluru		PROPOSED TEST TRACK OF REGIONAL TRANSPORT OFFICE LAND AT DEVANAHALLI										
PURPOSE: FOR APPROVAL												
<table border="1"> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>												
CLIENT:												
DRAWING TITLE : DATE : 16-05-2022												
MASTERPLAN DEALT : GOVARDHIN												
CHECKED : VIJAY												
SCALE : 1:2500												
ORIENTATION:												
EXECUTING AGENCY :												

RTO TEST TRACK - KOLAR



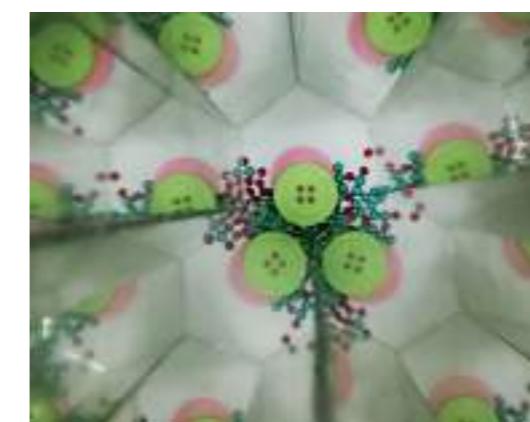
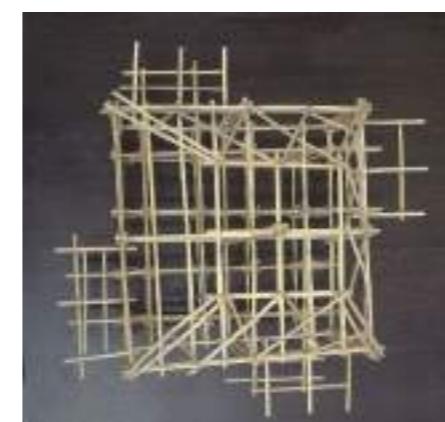
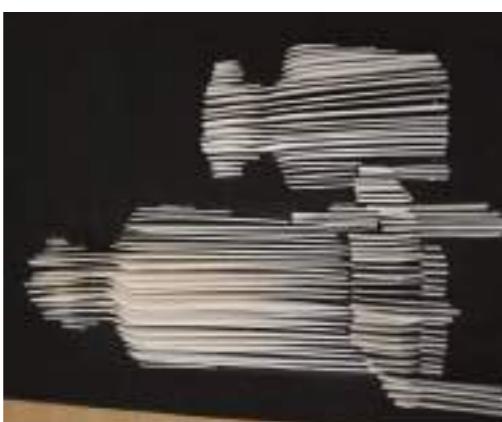
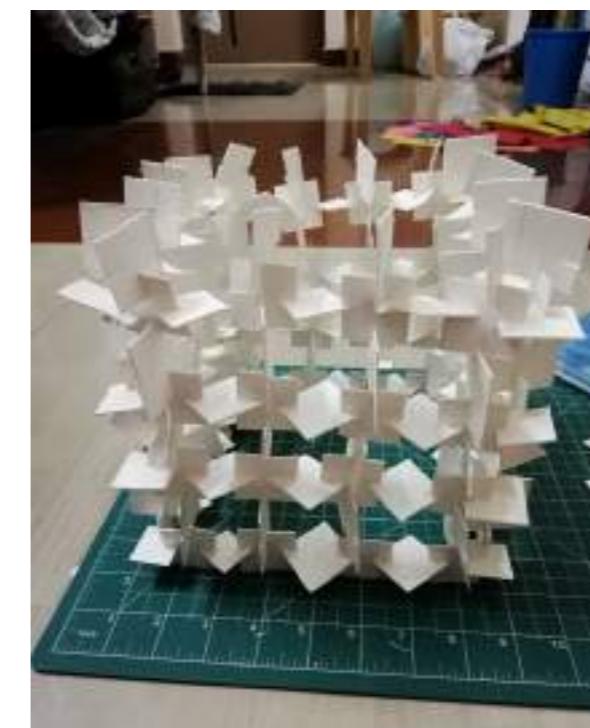
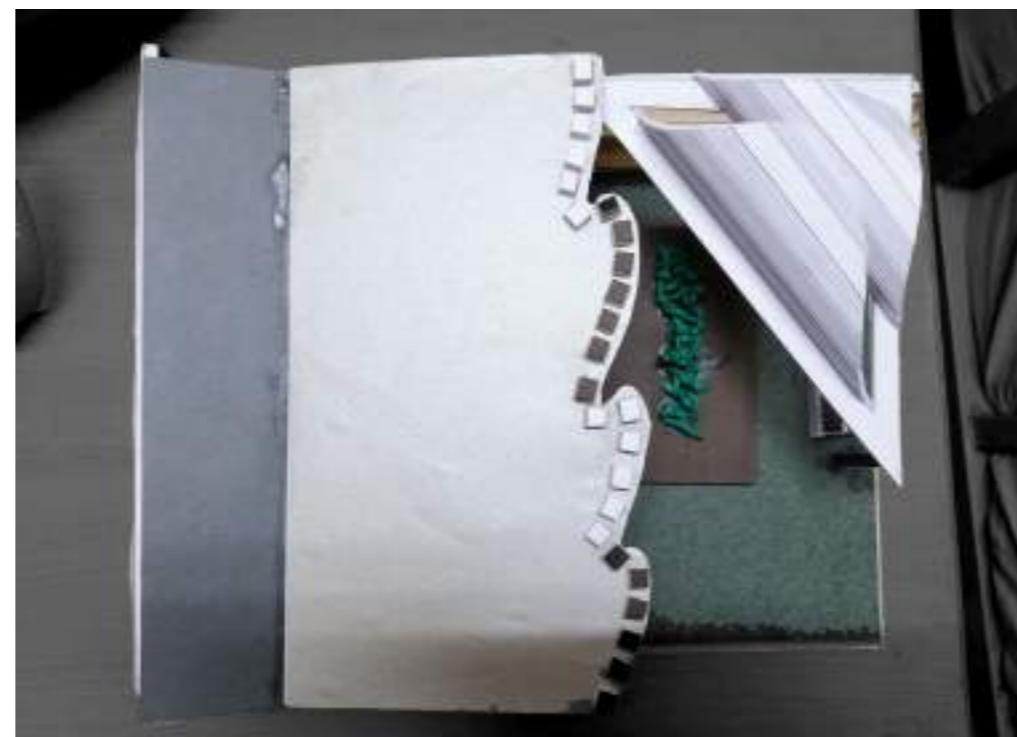
CONTENT	AREA (SQ.M)	PERCENTAGE
SITE AREA	34,320.61	100%
AREA OF HMV TEST TRACK	2933.732	8.55%
AREA OF FOUR WHEELER TEST TRACK	1225.896	3.57%
AREA OF TWO WHEELER TEST TRACK	263.789	0.77%
AREA OF PARKING AND ROAD	3,619.85	10.55%
AREA FOR FUTURE EXPANSION	10,821.49	31.53%
AREA OF MAIN BUILDING	160.711	0.47%
AREA OF PUBLIC TOILET AND CANTEEN	303.804	0.89%
AREA OF LANDSCAPE	14,991.34	43.68%
NO OF TWO WHEELER PARKING	27 NOS	
NO OF FOUR WHEELER PARKING	48 NOS	
NO OF HMV PARKING	7 NOS	

TOTAL SITE AREA - 8.48 ACRE
TOTAL LAND DEVELOPMENT AREA - 5.70 ACRE
COMPOUND WALL TOTAL LENGTH - 632.59M

PROJECT MANAGEMENT CONSULTANT:	RITES LIMITED (A GOVT. OF INDIA ENTERPRISE) Regional Project Office, Bangalore, 5th Floor, Industry House, 45, Fair Field Layout, Race Course Road, Bengaluru		PROJECT TITLE :	PROPOSED TEST TRACK OF REGIONAL TRANSPORT OFFICE LAND AT KOLAR	
PURPOSE:	FOR APPROVAL		DRAWING TITLE :	DATE : 16-05-2022 DEALT : GOVARDHIN CHECKED : VIJAY SCALE : 1:2500 ORIENTATION: N W E S	
CLIENT:			MASTERPLAN		
EXECUTING AGENCY:					



MODEL MAKING



GOVARDHINI BALAKRISHNAN
govabala2001@gmail.com