PORTFOLIO

KRITIKA KACHHAWA

KRITIKA KACHHAWA

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL

PERSONAL INFORMATION

COURSE- Bachelor of Architecture

D.O.B.- 14/01/1995

NATIONALITY- Indian

LANGUAGES KNOWN- Hindi, English

PERMANENT ADDRESS- H.no. 38, street no. 3, Gayatri nagar, near CRWS colony, Nishatpura, Bhopal

PERSONAL SKILLS

I have a passion for Architecture and I work hard to give my full potential to everything I do. I am a reliable person; I take my responsibilities very sincerely and put myself completely into the tasks I perform. I have an ability to work under-pressure and I keep myself motivated all through my work.

Contact no.- +91 9039106360

+91 7999678367

Email ID- kritika14011995@gmail.com

CURRICULUM VITAE

OBJECTIVE

I anticipate to work on creative as well as practical aspects. I await the opportunity to work in an organisation where I can come across new challenges and innovations helping me to enhance my professional skills and knowledge and simultaneously meet the company goals and objectives with full integrity.

EDUCATION

HIGHEST QUALIFICATION- B.Arch
PASSING YEAR- 2018
INSTITUTION- MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY (Autonomous), GGPA- 8.25

BAL BHARATI PUBLIC SCHOOL
BOARD- Central Board of Secondary Education

XII STANDARD (2012-2013)- 9.4 CGPA
X STANDARD (2010-2011) - 9.4 CGPA

MAJOR ACADEMIC WORK

APRIL, 2017- DISSERTATION
TOPIC- Colours in Office Interiors

JULY, 2017 - THESIS PROJECT
TOPIC- Office Complex

CO-CURRICULAR ACTIVITIES

Louis I. Kahn Trophy, NASA 2014
Documentation of Daly college, Indore — Shortlisted in top 10

Louis I. Kahn Trophy, NASA 2015
Settlement Documentation of Jhalrapatan — Citation 1

Dulux workshop 2015, hosted by College — Participated

ANDC 2015 (Annual NASA Design Competition), Design Interventions for people attacked by social evil — Participated

Louis I. Kahn Trophy, NASA 2016
Documentation of Rewa Fort — Participated

SOFTWARE SKILLS

- **AUTOCAD**
- **SKETCHUP**
- **REVIT (BASIC)**
- **PHOTOSHOP**
- **V-RAY FOR SU**
- **LUMION**
- **MS OFFICE**

TRAINING AND WORK EXPERIENCE

JAN, 2018- ACADEMIC TRAINING (X SEMESTER)
Studio Parametric Architects, Bangalore

The training involved learning BIM software and working on international projects for 3D-modelling, interior designing, etc. It also involved working on conceptual designing and sanction drawings of local residential projects.

MAY, 2016- UNDERGRADUATE INTERNSHIP
ACME Associates, Bhopal

The training involved preparation of working drawing , façade treatment and interior designing of residential projects.

EXTRA CURRICULAR ACTIVITIES

2013- Wall painting in Cultural fest of college

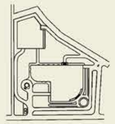
2014, 2015, 2016 — Worked in creative team of college for organising cultural events

2017- Actively participated in organising team for hosting NIASA (National Award for Excellence in Architectural Thesis) honoured by chief guest Ar. Raj Rewal

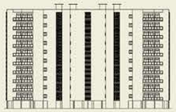
INTERESTS

CONTENTS

THESIS- OFFICE COMPLEX
(IX SEMESTER) 5



MIXED USE BUILDING
(VIII SEMESTER) 19



RESIDENTIAL APARTMENTS
(VII SEMESTER) 22

ART CENTRE
(VI SEMESTER)

27

WORKING DRAWING
(VI SEMESTER) 32

DOCUMENTATION OF JHALRAPATAN
(L.I.K. TROPHY, 2015)

35

DOCUMENTATION OF
DALY COLLEGE
(L.I.K. TROPHY, 2014) 37

TRAINING WORK
(X SEMESTER)

39

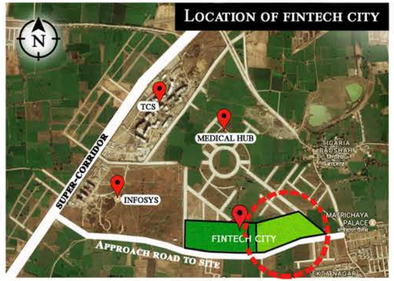
OFFICE COMPLEX, INDORE

Site Area- 20 Acres (80,937 Sq.m.)

An office complex generally refers to a combination of architectural features that facilitate the production of clerical activities, digitized data processing and programming, or the delivery of corporate services including all the necessary and specialized infrastructural services. The project work includes the design of an office complex with office spaces offered to IT firms and corporate agencies.

The proposed site is located in the north -western periphery of the city Indore along the stretch of super corridor, which connects the finance city (site) to the airport in 7-10 minutes via an 8 lane road.

COORDINATES OF INDORE:
22°43′0″N
75°50′50″E



ADVANTAGES IN INDORE

Geographical advantages
-Centrally located in India, having good connectivity all around
-Ambient climatic conditions
-Proximate financial hubs-Mumbai & Ahmedabad

Strong industrial base
-Flourishing industries including-Pharmaceuticals, soyabean & automobile industries.
-Proximity to industrial centers-Dewas

Robust urban infrastructure
-Bus rapid transit system (BRTS)
-Upcoming metro rail network
-Booming real estate with upcoming projects

Availability of human resource
-Strong educational base
-Only city with both, IIT & IIM
-38 colleges offering MBA and Engg. programs
-2,600+ chartered accountant (CA) institutes

INFERENCES AND RECOMMENDATIONS

Project concept and details

- Land Area – 20 acres i.e. 80,937 sq.m.
- Associated activities to support complete ecosystem are commercial and recreational activities including cafeteria, gardens, gaming zones, etc. along with the provisions the basic amenities.
- Live-work-play concept is to be introduced in the design.

Zoning Inferences

- FSI - 3, i.e. Built up area- 2,42,811 sq.m.
- Ground coverage of 40% i.e. 32, 374 sq.m.
- Height restriction- 45m i.e. 12-13 floors are permitted.

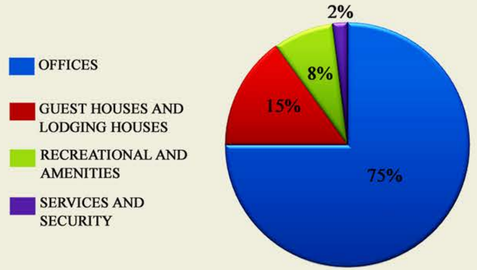
CONCEPT

- A core concept of **work, recreate and stay** has to be introduced where people can work, play and have fun in the mid of their monotonous routine of work, keep their body fit, shop their daily essentials and stay there with everything at a walking distance.

- The building forms are derived from the **shape of the site** and considering the **climatic conditions.**

- The planning is done in such a way so that the users can have **easy access** to the spaces where they can recreate, play, buy their necessities, work-out, eat food, have medical assistance, read books and stay at lodging and guest houses.

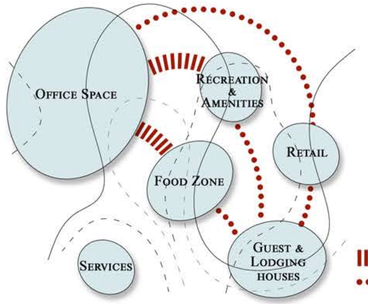
PERCENTAGE DISTRIBUTION OF MAJOR ACTIVITIES



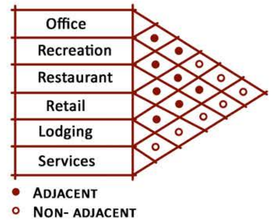
DIVISION OF ACTIVITIES

SPACES	PERCENTAGE (%)	BUILT-UP (m^2)	NO. OF FLOORS
Offices	75	1, 82,565	G+11
Recreational block	08	19,473	G+3
Guest and lodging houses	15	36,513	G+11
Services	02	4,868	G

BUBBLE DIAGRAM

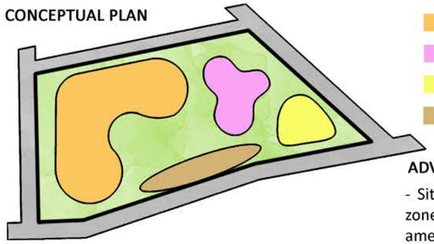


PROXIMITY CHART



MAJOR ADJACENCY — EMPLOYEES
MINOR ADJACENCY ---- SUPPORT STAFF
VISITORS

CONCEPTUAL PLAN



OFFICE BUILDING
RECREATIONAL AND AMENITIES
GUEST AND LODGING HOUSES
OPEN PARKING

MAJOR ACTIVITIES	ANCILLARY ACTIVITIES
WORKING DISCUSSIONS MEETINGS CONFERENCING LEARNING TRAINING INTERACTION COMMUNICATION	INTERACTING, GATHERING, GYMING, WORK-OUT, YOGA, EATING, COOKING, SERVING, CHATTING, RELAXING, PLAYING, READING, DIAGNOSING, CLEANING, MAINTAINING, CHECKING, GUARDING, ETC.

ADVANTAGES

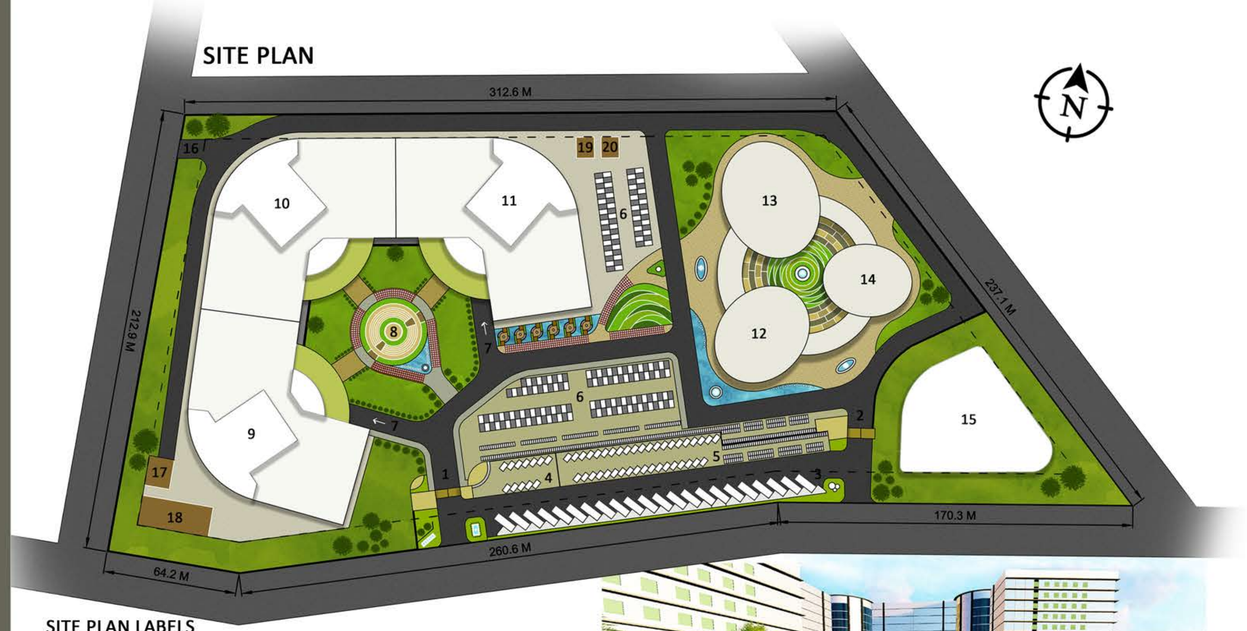
- Site is divided into three different zones, i.e. offices, recreational and amenities and lodging and guest houses. This would help in maintaining the security in office zone.

- Wider central open space is there.

- Wider open space can be provided for parking of two-wheelers and four-wheelers.

- Two major entrances can be provided from the approach road.

SITE PLAN



SITE PLAN LABELS

1. Main Entrance- gate no. 1
2. Main Entrance- gate no. 2
3. Bus parking
4. Taxi stand
5. Visitor's parking (2 & 4-wheeler)
6. Staff parking (2 & 4-wheeler)
7. Entry to basement parking
8. Open air theatre
9. Office building- Tower A
10. Office building- Tower B
11. Office building- Tower C
12. Recreational Block A- Restaurants, Food court, Library etc.
13. Recreational Block B-Gym, sports centre, gaming zone, etc.
14. Recreational Block C- Retail shops
15. Lodging and guest houses
16. Service Entry
17. Power generator
18. Electrical substation
19. STP (Sewage treatment plant)
20. OWC (Organic waste converter)

VIEW OF THE SITE FROM MAIN ENTRANCE

OFFICE BUILDING- There are three towers (Tower A, B & C) in which around 40 IT & other corporate offices are there of varying capacities. Each office has one or more cafeteria depending on its capacity.

RECREATIONAL BUILDING- Along with offices, recreational facilities (including gym, yoga centre, spa, food court, sports centre) are also provided in the complex along with basic amenities including retail shops, dispensary, pharmacy, restaurants, ATMs, etc.

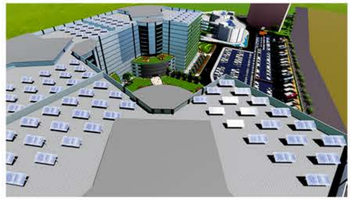
ELECTRICAL SUBSTATION & POWER GENERATOR- for meeting the electricity requirements of around 15,000 people, an 11 KV substation is provided of area 500 sq.m.

Fly-ash bricks are used in the construction, these bricks are better than traditional bricks in cost, breakage, wastages, evenness, finish and possess more compressive strength.

Energy loads has been reduced by optimizing building envelop with the provision of overhangs over the fenestrations.

The campus is equipped with **STRINGENT SECURITY SYSTEMS** including 24/7 cctv surveillance, card accessibilty at no. of check points.

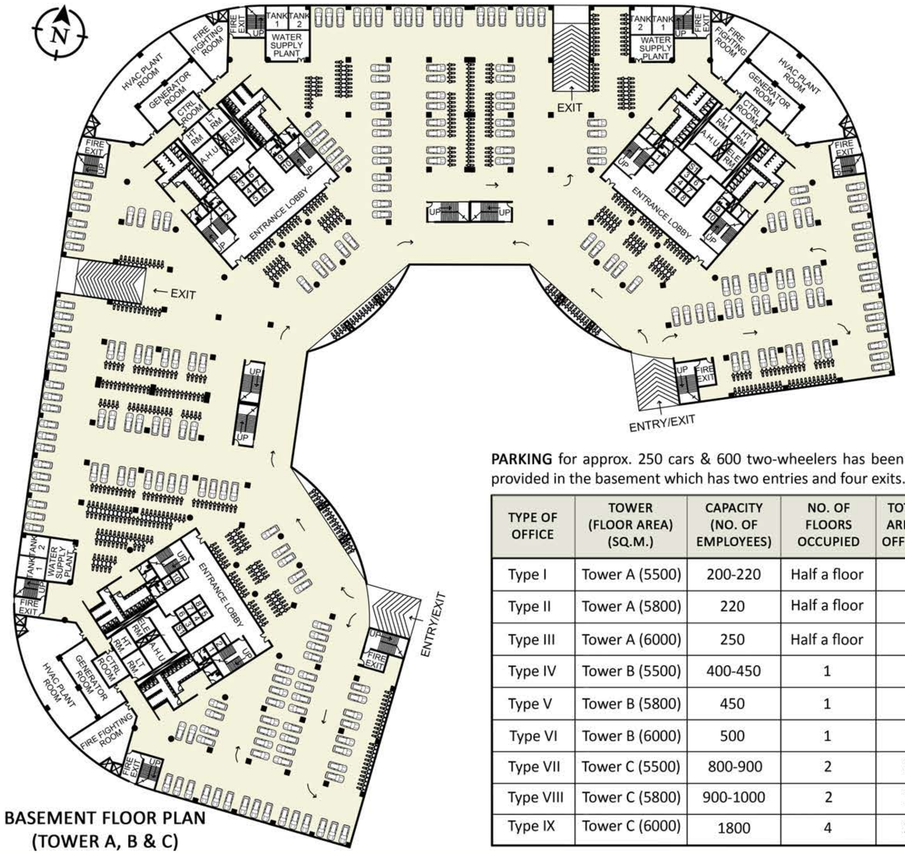
PARKING for approx. 250 cars and 400 two-wheelers have been provided in the open area including the visitor's parking. Parking for 25 shuttle buses is also provided in the complex. Along with this, a taxi stand is also there on the site which can accomodate 16 cabs or auto-rickshaws at a time.



SOLAR POWER SYSTEM- solar panels are installed over the building roofs for the production of electric power through solar radiations to reduce cost expended on power consumption as solar power is comparatively cheaper.

There is a provision for **SEWAGE TREATMENT PLANT.** It includes physical, chemical and biological processes to remove the contaminants from sewage and produce environmentally safer treated wastewater that can be used in watering plants and for flushing purpose in toilets. The organic waste in the form of slurry can be used as compost in the amendment of soil for **XERISCAPING.**

There is a use of **VEGETATION/PLANTATION AND WATER BODIES** in landscaping to regulate and control the micro-climatic conditions and provide the employees with a comfortable environment inside and outside the building.



BASEMENT FLOOR PLAN
(TOWER A, B & C)

PLANNING

Central location of service core- This is allowing all window space to be used as rentable office space and is permitting offices of varying depths to receive natural light.

Service core is well-equipped with all the basic and special services including AHU, electrical room, toilets, service shafts, server room, water suppy systems, fire fighting systems.

Grand lobby is provided at the entrance of each office block to leave a good impression on any visitor & to prevent chaos during peak time.

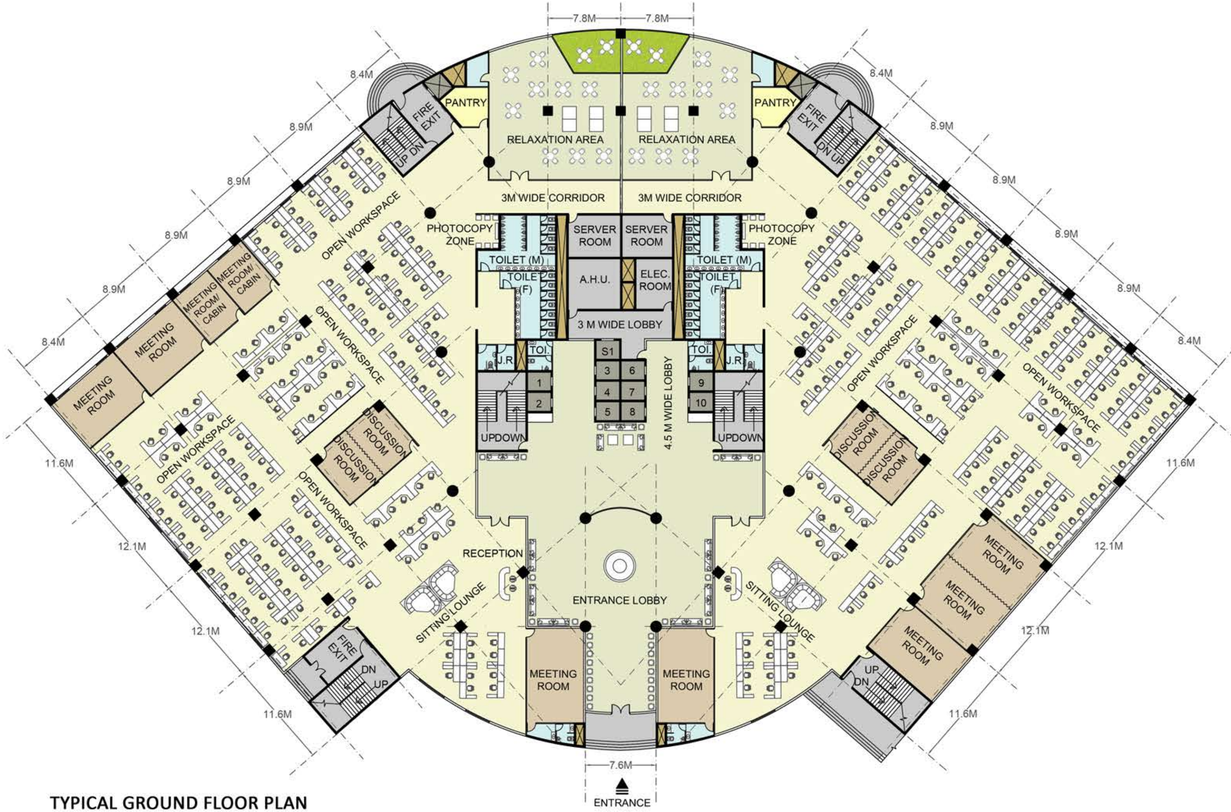
Fenestrations are designed to facilitate day-lighting. Exterior overhangs & vertical fins are used that can block direct sun and can bounce reflected light interior spaces.

Tight security system is there which includes card access at several points.

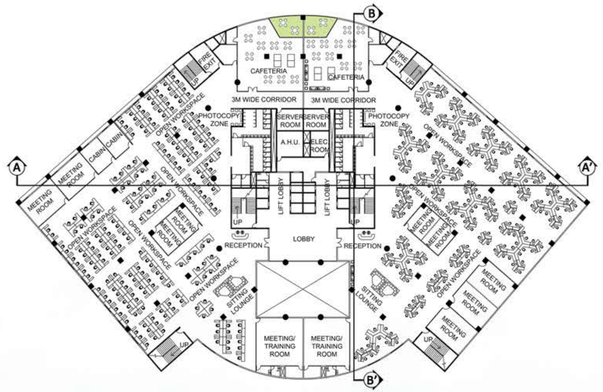
PARKING for approx. 250 cars & 600 two-wheelers has been provided in the basement which has two entries and four exits.

VERTICAL DIVISION OF OFFICES

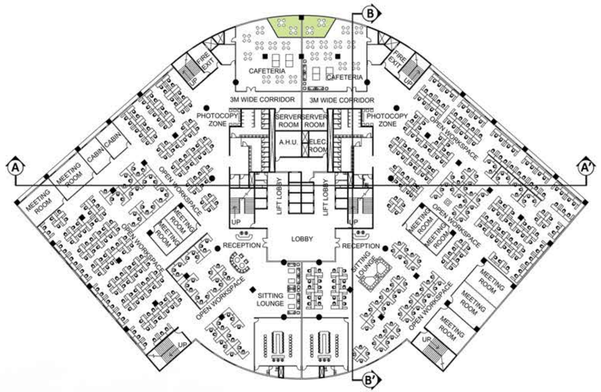
TYPE OF OFFICE	TOWER (FLOOR AREA) (SQ.M.)	CAPACITY (NO. OF EMPLOYEES)	NO. OF FLOORS OCCUPIED	TOTAL FLOOR AREA OF THE OFFICE (SQ.M.)	CAPACITY OF COMMON SPACES (CAFETERIA)	NO. OF MEETING ROOMS
Type I	Tower A (5500)	200-220	Half a floor	2,750	40	4-5
Type II	Tower A (5800)	220	Half a floor	2,900	40	5-6
Type III	Tower A (6000)	250	Half a floor	3,000	50	5-6
Type IV	Tower B (5500)	400-450	1	5,500	80	8-10
Type V	Tower B (5800)	450	1	5,800	100	10-12
Type VI	Tower B (6000)	500	1	6,000	120	12-15
Type VII	Tower C (5500)	800-900	2	11,000	150-170	20
Type VIII	Tower C (5800)	900-1000	2	12,000	200	25
Type IX	Tower C (6000)	1800	4	22,000	300-350	30-35



TYPICAL GROUND FLOOR PLAN
(TOWER A, B & C)



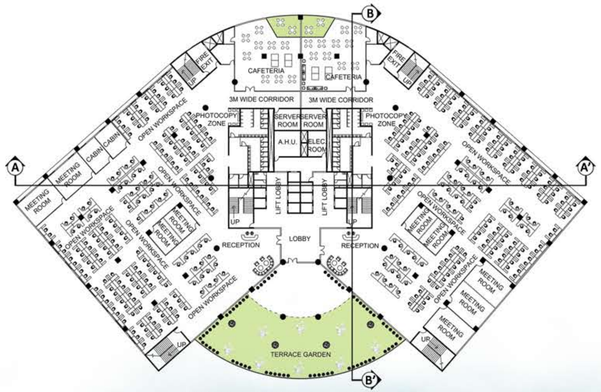
TYPICAL FIRST FLOOR PLAN



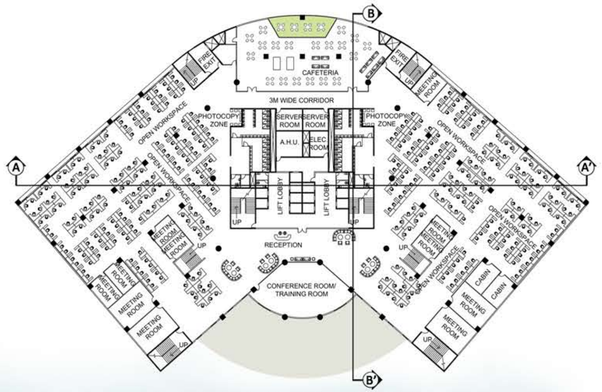
TYPICAL SECOND AND THIRD FLOOR PLAN

SECTION A-A'

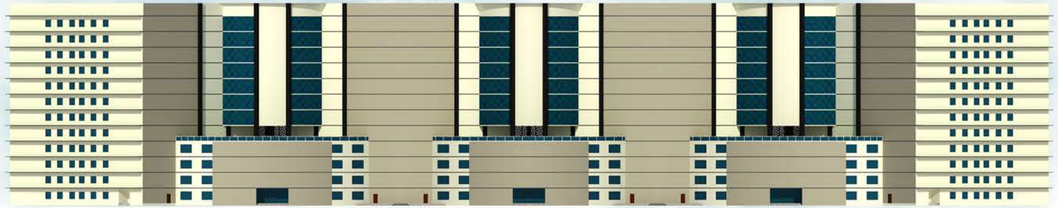
SECTION B-B'



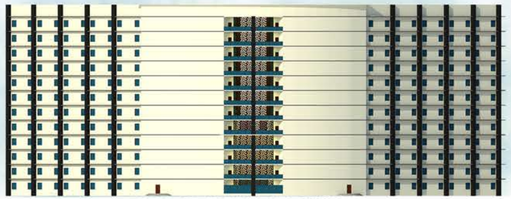
TYPICAL FOURTH FLOOR PLAN



TYPICAL FIFTH-ELEVENTH FLOOR PLAN

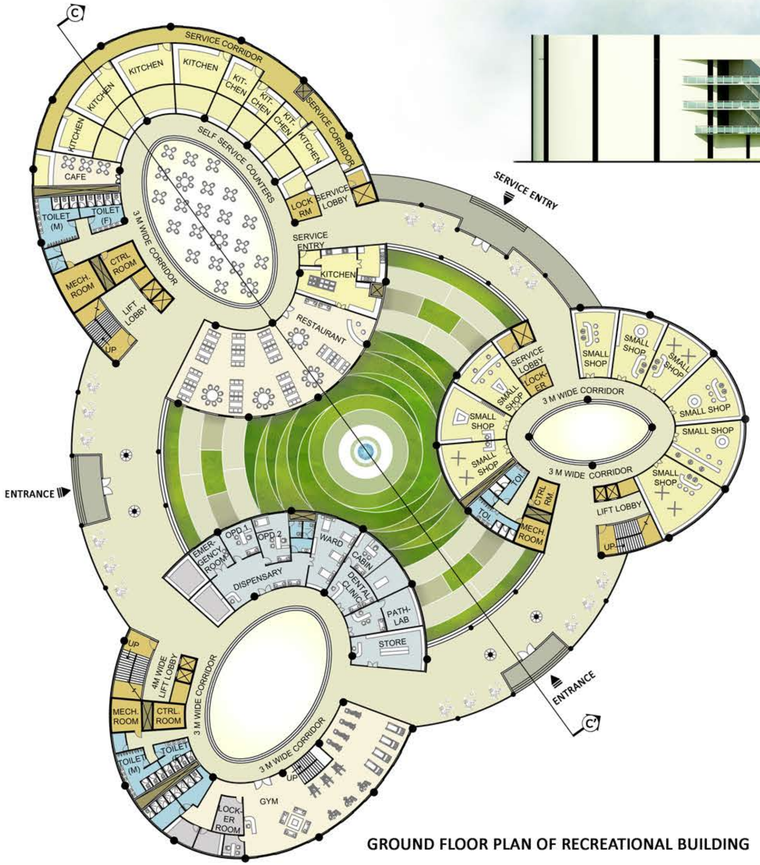


FRONT ELEVATION OF TOWER A, B & C (PANAROMIC)



REAR ELEVATION OF TOWER A

VIEW OF TOWER A, B & C



GROUND FLOOR PLAN OF RECREATIONAL BUILDING

ELEVATION

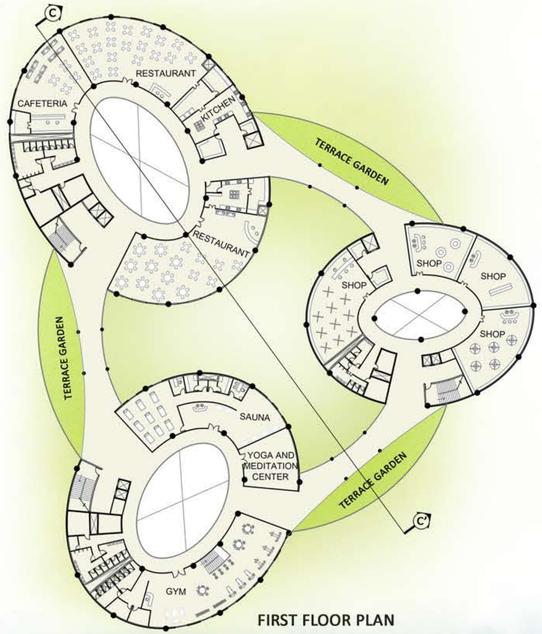
Along with office spaces, recreational facilities (including gym, yoga centre, meditation centre, food court, restaurants, cafeteria, sports centre, gaming zone, etc.) are also provided in the complex to let the workers recreate and relax in their break hours.
The complex also includes the provision for basic amenities including dispensary, retail shops, restaurants, ATMs, etc. to facilitate the employees.

The recreational unit has three blocks with their central atriums and a common courtyard enclosed by these three blocks. Each block has a service core which includes mechanical room, service lift, passenger lifts, staircase and toilets.

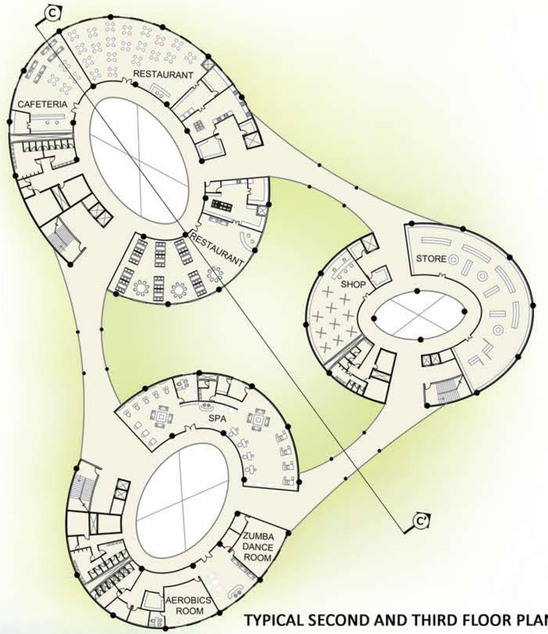
BLOCK A-
Ground floor- Food court with 8 eateries and a cafe having a service corridor. There is a common seating arrangement with approx. 100 seating capacity.
First & Second floor- Restaurants and cafeteria of varying capacities.
Third Floor- Library and e-library

BLOCK B-
Ground floor- a dispensary, a dental clinic, a pathlab, a medical store and a gym.
First & Second floor- Sauna, spa, gym, zumba dance room, aerobics room and yoga-meditation rooms.
Third Floor- Sports centre and gaming zone.

BLOCK C-
This block has retail shops of varying sizes, small and big stores and ATM.



FIRST FLOOR PLAN



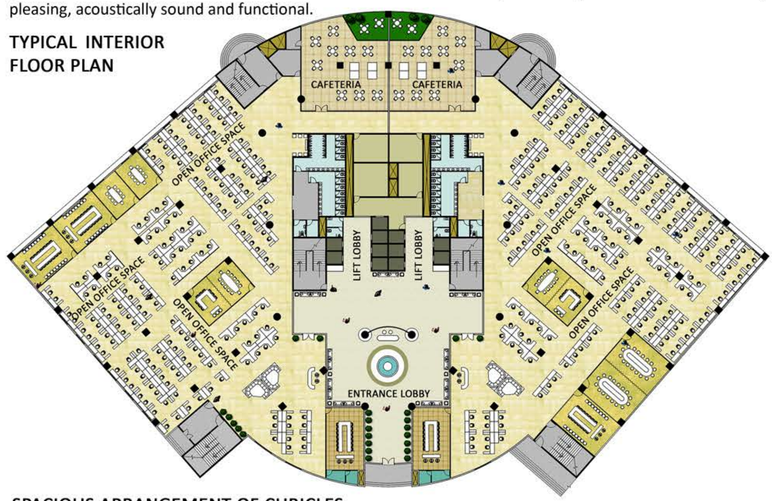
TYPICAL SECOND AND THIRD FLOOR PLAN

SECTION C-C'

INTERIORS

Special attention has been given to the selection of interior finishes, particularly in lobbies, waiting areas, general office areas, conference rooms and other common areas to provide a space which is aesthetically pleasing, acoustically sound and functional.

TYPICAL INTERIOR FLOOR PLAN



SPACIOUS ARRANGEMENT OF CUBICLES

COMPACT ARRANGEMENT OF CUBICLES

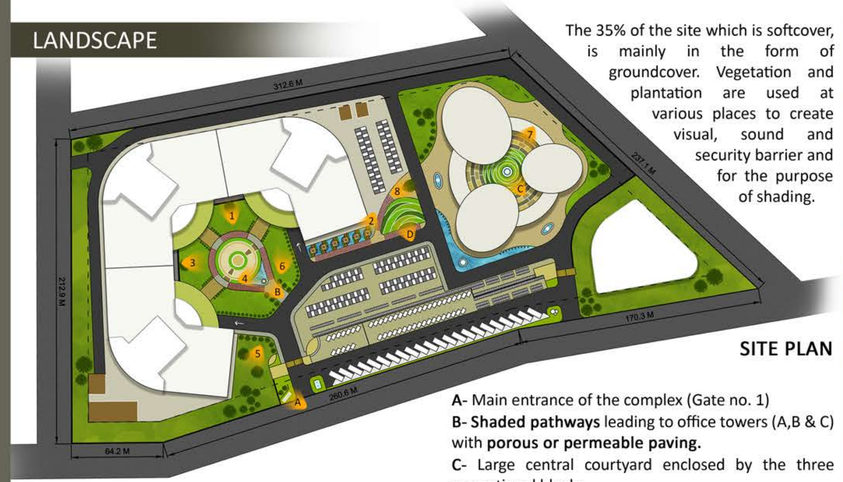
The circulation provided in the general office area is permitting **flexibility** and **effective utilization of space** making circulation **smooth and easier.** The color scheme has been kept **monochromatic** using light colors to provide a comfortable & workable environment. There is a provision of **Individualized air conditioning and lighting control system.**

The **conference room** has been designed by using acoustical materials like gypsum boards in ceiling, wooden wall panels, carpet, curtains, etc. The color scheme has been kept light for better concentration and better illumination inside the room.

In **cafeteria**, vibrant colors are used in walls, furniture, accessories, upholstery etc. to make the space look **lively, brighter and optimistic.** The space has been designed in a manner so that the employees can relax, read books and play games.

Grand lobby has been provided at the entrance of each office block to prevent chaos during peak hours. The use of white, grey and light yellow color is making the space look **larger and elegant**. The use of chandeliers is enhancing the aesthetic appeal of the space.

LANDSCAPE



SITE PLAN

The 35% of the site which is softcover, is mainly in the form of groundcover. Vegetation and plantation are used at various places to create visual, sound and security barrier and for the purpose of shading.

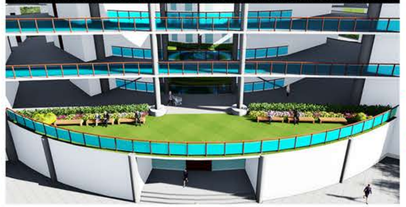
A- Main entrance of the complex (Gate no. 1)
B- Shaded pathways leading to office towers (A,B & C) with **porous or permeable paving.**
C- Large central courtyard enclosed by the three recreational blocks.
D- Garden along the walkways connecting offices and recreational building.

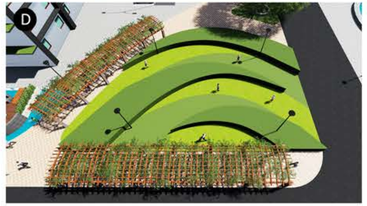
The **TERRACE GARDENS** of office building and recreational building are offering large open spaces to sit and relax and a picturesque views all around the site.

XERISCAPING has been practiced on site which means using water efficiently in landscape. The soil is amended using the compost formed by decomposition of organic matter because of which, the soil gets improved & retains water. Mulching the plants will keep moisture in soil slowing down the process of evaporation from soil surface.

TERRACE GARDEN ON FOURTH FLOOR OF OFFICE BUILDING

TERRACE GARDEN- FIRST FLOOR OF RECREATIONAL BLOCK





A large **Open-air theatre** is provided in the central open space formed between the three office towers with a seating capacity of 400 people at a time.
It can be used as a **gathering space** or an interactive space to carry out informal meetings or any kind of a discussion. This space can also be utilised as a **relaxation space** where employees can sit and relax.
Open air theatre is surrounded by vegetation/plantation, shaded pathways and water bodies all around with various kinds of seating arrangements.

OPEN AIR THEATRE

Different types of seating arrangements and interative spaces

1. Formal seating arrangement under trees.
2. Formal seating arrangement on pool deck.
3. Formal Seating arrangement under gazebo.
4. Formal seating arrangement around space below open air theatre.
5. Informal seating arrangement under trees.
6. Formal seating arrangement under trees.
7. Formal Seating arrangement in the courtyard of Recreational block.
8. Informal seating arrangement under tree.

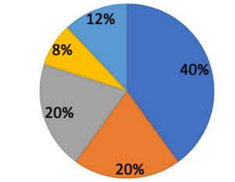
MIXED USE BUILDING, BHOPAL

Site Area- 5.6 Acres (22,600 Sq.m.)

The proposed Commercial complex is located in new market, Bhopal opposite to the Palash Hotel. The site is surrounded by dussehra maidan, commercial buildings, automobile repair shops and government residential quarters. The complex accomodates variety of activities including retail shops, restaurants, offices of different scale, convention centre with a banquet hall, terrace gardens and lodging facilities with all necessary services.

SITE LOCATION MAP

DISTRIBUTION OF REQUIREMENTS



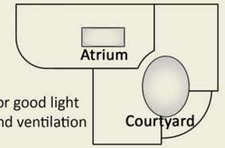
SITE PLAN LABELS

1. Main Entrance
2. Guard Rooms
3. Service Entry
4. Hotel Block
5. Entry to the Hotel
6. Service Entry to Hotel
7. Main Commercial Block
8. Entry to the Commercial block
9. Service Entry to the Commercial block
10. Multi-level Parking
11. Open Sit-out
12. Parking for four-wheelers
13. Parking for two-wheelers
14. Exit

SITE PLAN

DESIGN FEATURES

Courtyard Planning

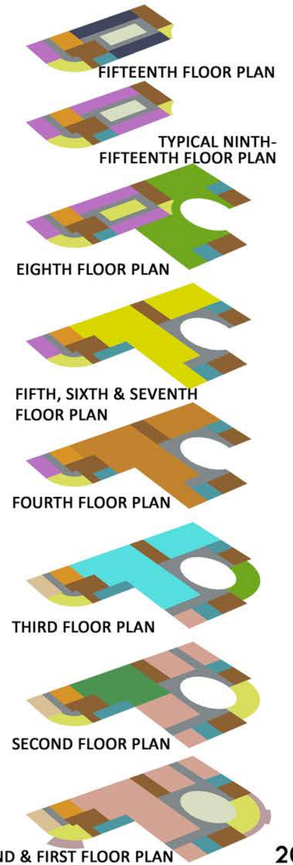


Modern style of Architecture

- Simplicity is maintained in designing the form and layout considering the functional aspects
- Layout and location of various spaces are inspired by their functional importance.
- Emphasis is given on strong linear elements with bold vertical and horizontal features in facade
- Use of glazed curtain walls
- Spaces are clean and functional

VERTICAL ZONING

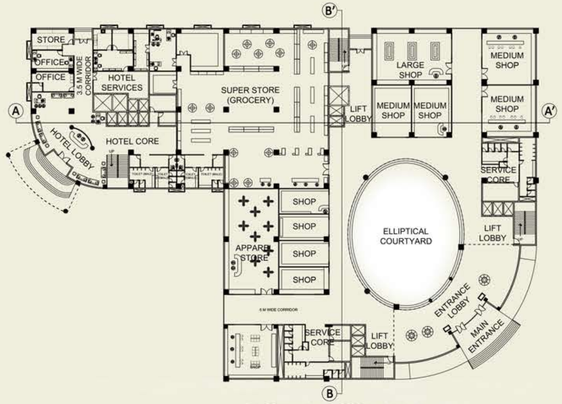
- Core (lifts, staircases, common lobby AHU & electrical room)
- Common toilets
- Gym and Sauna
- Hotel accomodation
- Hotel service area (pantry, bedding store, staff area, etc.)
- Common areas (sitting lounges, lobby, etc.)
- Atrium
- Terrace garden
- Office
- Convention centre
- Restaurant
- Food court
- Shops
- Entrances



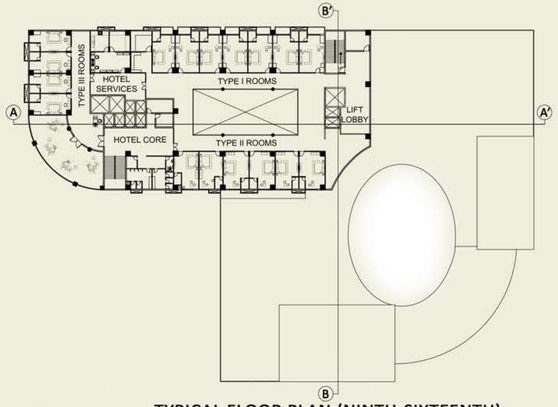
LANDSCAPING FEATURES

OPEN SITTING SPACE

TERRACE GARDEN



GROUND FLOOR PLAN



TYPICAL FLOOR PLAN (NINTH-SIXTEENTH)

SECTION A-A'

SECTION B-B'

RESIDENTIAL APARTMENTS, BHOPAL

Site Area- 5 Acres (20220 Sq.m.)

The project is a development of high density residential apartments in Kolar, Bhopal. The site is located at a distance of 100 m from Kolar road and has two banks, an ATM, a supermarket and a hospital in its vicinity. The development was proposed for 300 flats including 2, 3 and 4 BHK apartments, recreational facilities with all necessary services.

SITE LOCATION MAP

KEY PLAN OF SITE

CIRCULATION ON SITE

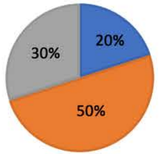
•The vehicular movement is along the boundary of the site utilizing the marginal open spaces and around the building block keeping the community spaces in a vehicle free zone.

Vehicular Movement

Pedestrian Movement

The circulation pattern is laid in a way to make the community spaces easily accessible to every user.

DISTRIBUTION OF FLATS



No. of Flats- 300

2-BHK – 60 (Average area- 74 sq.m.)

3-BHK – 156 (Average area- 115 sq.m.)

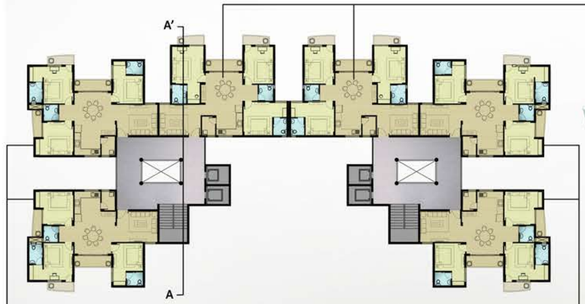
4-BHK – 84 (Average area- 166 sq.m.)

Every unit has its own uniqueness; some units are getting exquisite views of the site and surroundings while rest have larger spaces with some additional facilities. This kind of variety in design provides a broader scope for any user or occupant who is willing to buy any flat.

SITE PLAN

SITE PLAN LABELS

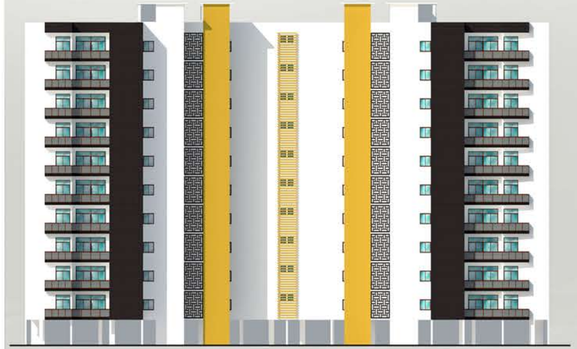
1. Main Entrance
2. Guard Room
3. Milk Parlor/Small Shop
4. 2 BHK (Type I & II) Tower
5. 3 BHK (Type I & II) Tower
6. 3 BHK (Type III) Tower I
7. 3 BHK (Type III) Tower II
8. 4 BHK Tower
9. 4 BHK (Duplex) Tower
10. Gymnasium
11. Kid's Play Area
12. Club House
13. Community Space
14. Stepped Garden
15. Electrical Substation
16. STP
17. Open Four-Wheeler Parking



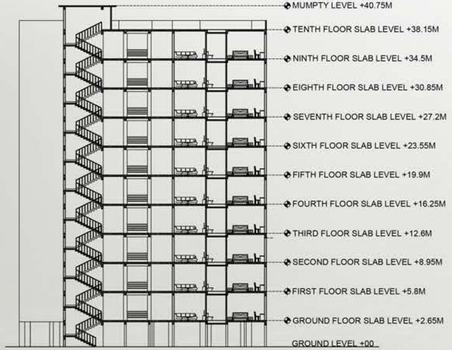
CLUSTER PLAN OF 3 BHK
(TYPE I & II)

3 BHK TYPE II

3 BHK TYPE I



ELEVATION



SECTION A-A'

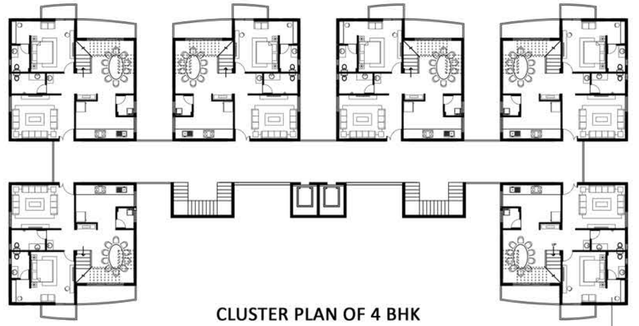
CLUSTER PLAN OF 2 BHK
(TYPE I & II)

2 BHK TYPE I

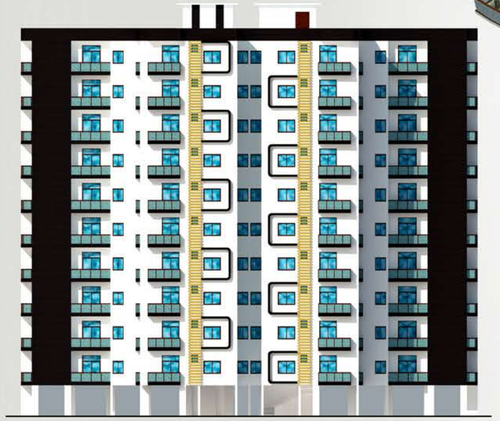
2 BHK TYPE II

3 BHK FLAT
TYPE III

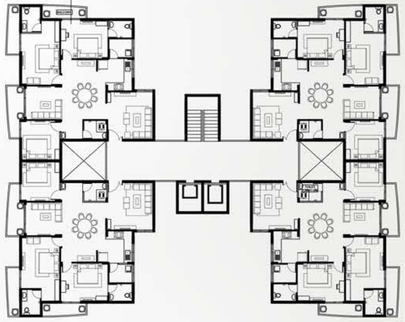
4 BHK FLAT



CLUSTER PLAN OF 4 BHK
DUPLEX APARTMENTS



ELEVATION OF 2 BHK (TYPE I & II)



CLUSTER PLAN OF 3 BHK (TYPE III)
APARTMENTS

CLUSTER PLAN OF 4 BHK
APARTMENTS

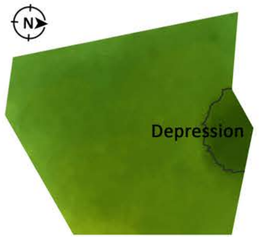
ELEVATION OF 4 BHK APARTMENTS

4 BHK DUPLEX
UPPER FLOOR

4 BHK DUPLEX
LOWER FLOOR

ART CENTRE, BHOPAL

Site Area- 8.6 Acres (34,780 Sq.m.)



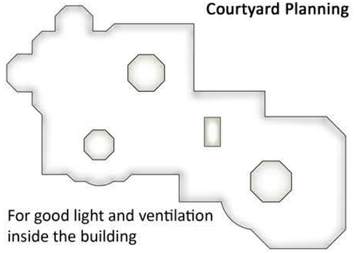
KEY SITE PLAN

The project is a development of an Art Centre in Kolar, Bhopal. The complex has variety of spaces including a gallery, theatres of different capacity, library, workshops, dormitory, accomodation for trainees and trainers, manager, incharges, etc. and other interactive spaces.

WORKSHOPS	ACCOMODATION FOR	OTHER SPACES
-Pottery	-Manager	- Library (50,000 books)
-Zari work	-6 Incharges	- Theatres
-Chanderi work	-Trainees	- Gallery
-Jewellery making	-Trainers	- Open Air Theatre
-Puppetry	-Other staff members	

DESIGN ELEMENTS

Courtyard Planning



For good light and ventilation inside the building

Traditional Architectural elements

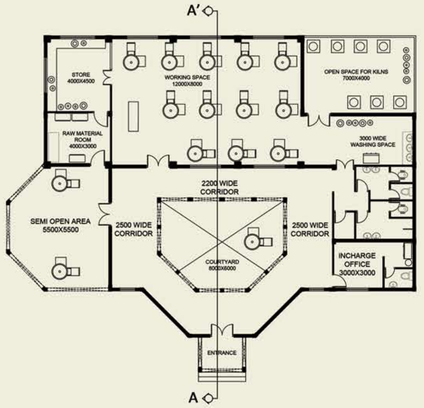
Stone finish | Multifoil Arches | Chajja Projections

Interactive Open spaces

SITE PLAN

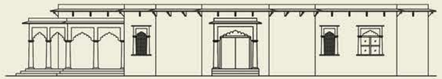
SITE PLAN LABELS

1. Main Entrance
2. Guard Room
3. Four-wheeler Parking
4. Art Gallery
5. Administrative Offices
6. Theatre
7. Library
8. Service Road
9. Canteen
10. Open Display
11. O.A.T.
12. Pottery Workshop
13. Chanderi Workshop
14. Zari work, Jewellery & Puppetry Workshop
15. Food Zone
16. Electrical substation
17. Guard Room
18. Manager's Bungalow
19. Incharge's Residences
20. Staff Quarters
21. Trainer's and Trainees' accomodation
22. Dormitory
23. STP
24. Public Toilet
25. Parking for Mela Visitors

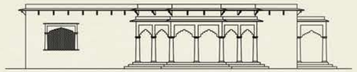


GROUND FLOOR PLAN OF POTTERY WORKSHOP

SECTION A-A'

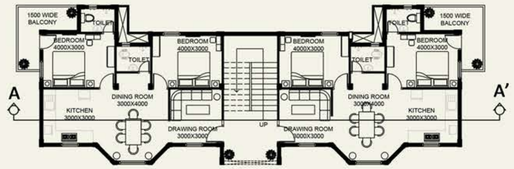


FRONT ELEVATION

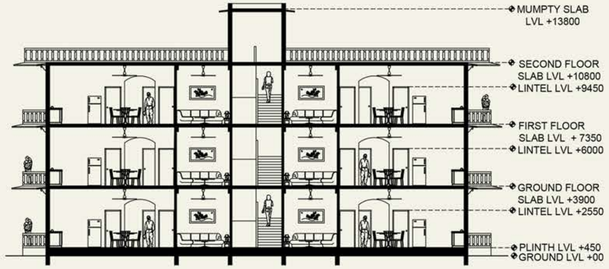


SIDE ELEVATION

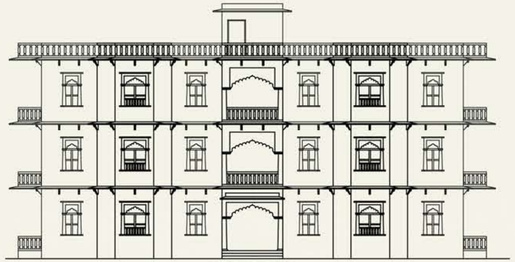
RESIDENCE FOR STAFF MEMBERS



PLAN



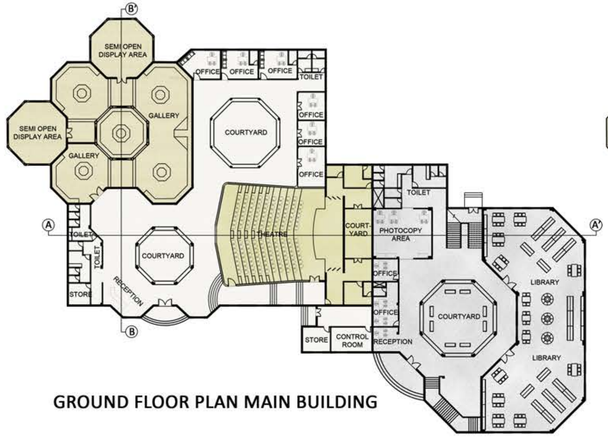
SECTION A-A'



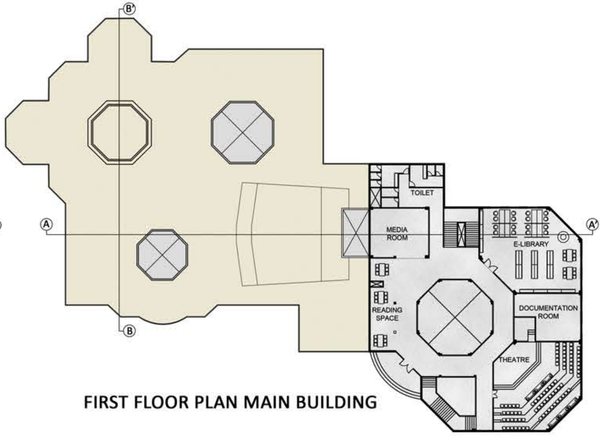
ELEVATION

VIEW OF RESIDENTIAL APARTMENTS AND DORMITORY

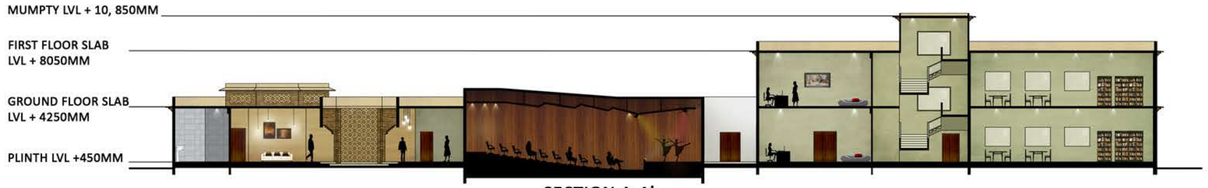
VIEW OF MANAGER'S BUNGALOW



GROUND FLOOR PLAN MAIN BUILDING



FIRST FLOOR PLAN MAIN BUILDING



SECTION A-A'

SECTION B-B'

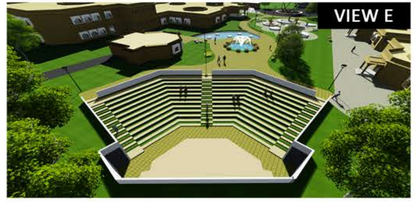
KEY SITE PLAN

LANDSCAPING FEATURES

View B and View D shows the landscaping features on the site which are enhancing the aesthetics of the complex as well as creating variety of spaces providing wider scope for public interaction.

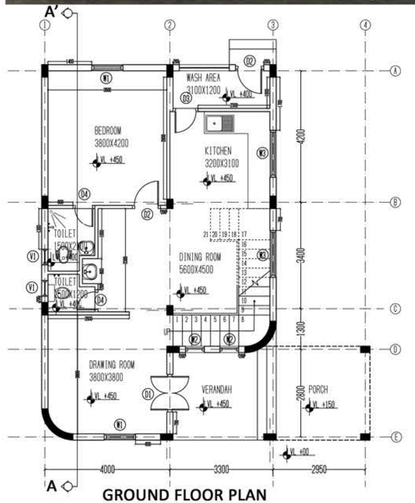
View C displays the workshops namely pottery, chanderi work, jewellery making, puppetry and zari work and also the accomodation blocks of the trainee and trainers.

View D shows the open air theatre.

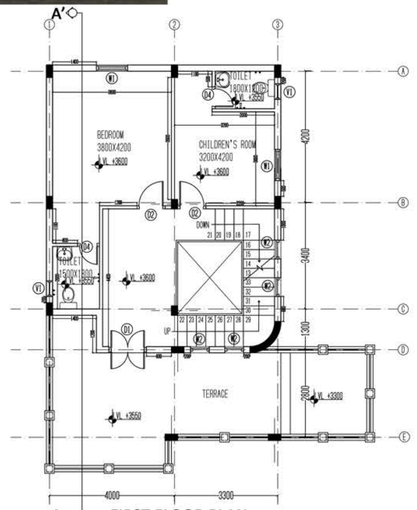


WORKING DRAWINGS OF RESIDENCE

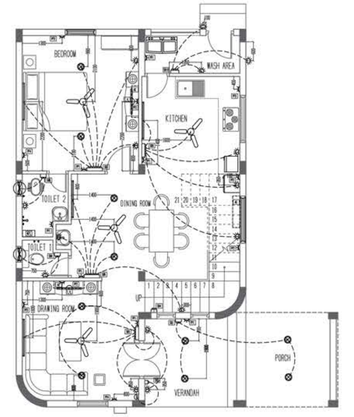
Site Area- 216 Sq.m.



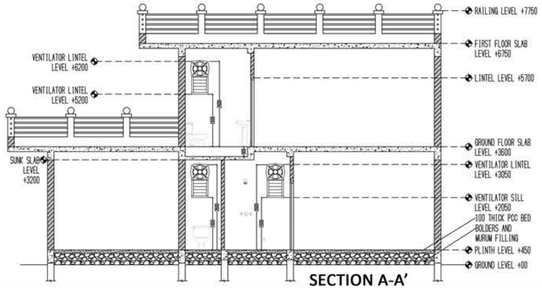
GROUND FLOOR PLAN



FIRST FLOOR PLAN



ELECTRICAL LAYOUT
(GROUND FLOOR PLAN)



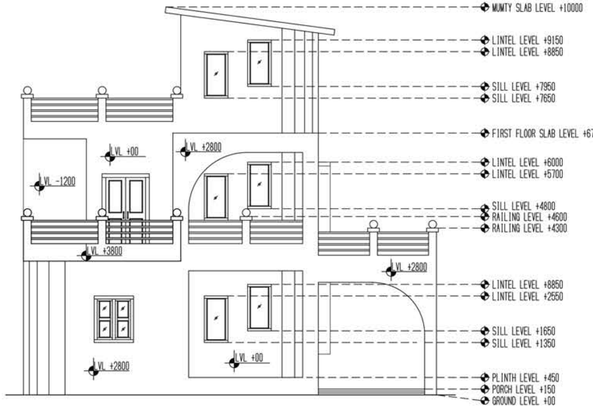
SECTION A-A'

SCHEDULE OF ELECTRICAL POINTS

SCHEDULE OF ELECTRICAL POINTS (GROUND FLOOR)

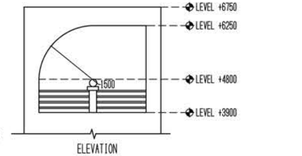
FIXTURES / SWITCH BOARD	FAN	LIGHT POINT	CEILING LIGHT	TUBELIGHT	SOCKET	BELL	EXHAUST FAN
SB1	-	-	4	-	1	-	-
SB2	-	-	-	-	-	1	-
SB3	1	3	2	1	1	-	-
SB4	-	2	-	-	-	-	-
SB5	1	2	2	1	1	-	-
SB6	-	1	-	-	-	-	1
SB7	1	2	2	1	1	-	-
SB8	-	1	-	-	-	-	1
SB9	1	3	-	1	1	-	-
SB10	-	3	-	-	-	-	-

DETAILS



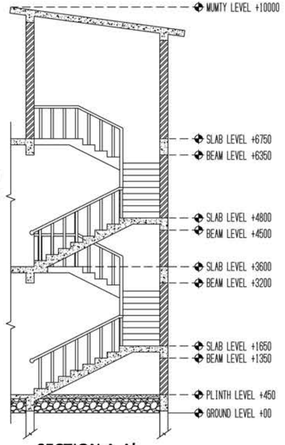
ELEVATION

ELEVATION DETAILS

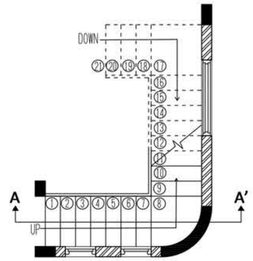


DETAIL OF RAILING

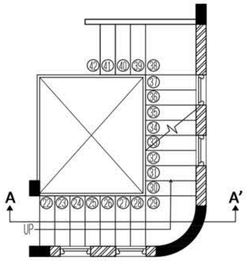
STAIRCASE DETAILS



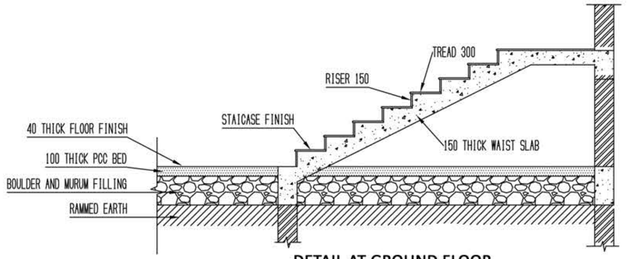
SECTION A-A'



PLAN AT GROUND FLOOR

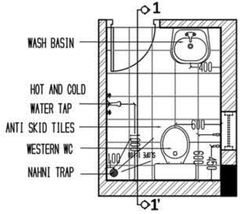


PLAN AT FIRST FLOOR

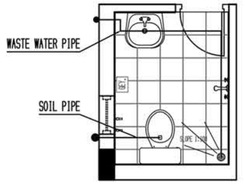


DETAIL AT GROUND FLOOR

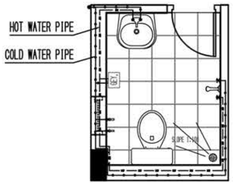
DETAIL OF TOILET



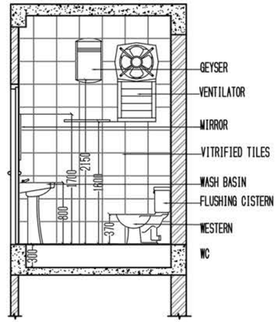
PLAN



SANITATION DETAIL



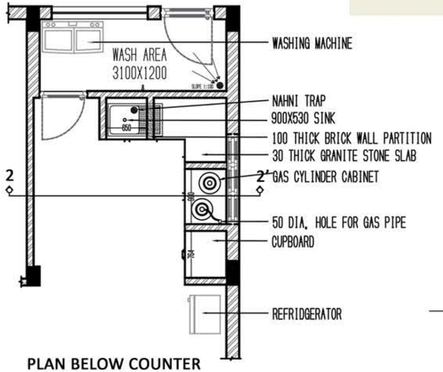
WATER SUPPLY DETAIL



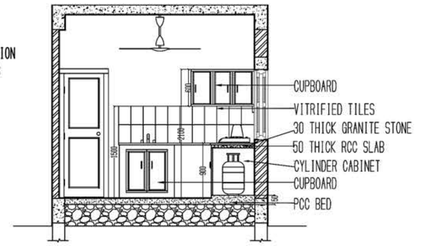
SECTION 1-1'

VIEW OF RESIDENCE

DETAIL OF KITCHEN



PLAN BELOW COUNTER

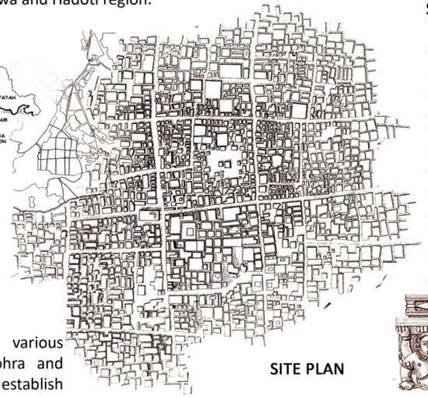


SECTION 2-2'

LOUIS I. KAHN TROPHY 2015
DOCUMENTATION OF JHALRAPATAN, RAJASTHAN

TRANSFORMATION

The fortified town of Jhalrapatan was established by Jhala Zalim Singh, prime minister of Kota state of Rajputana region. Patan is an important point on the trade route joining Malwa and Hadoti region.



SITE PLAN

DIVERSITY

Traders belonging to various communities - Jain, Bohra and Vaishnav were invited to establish Jhalrapatan as a trade center. Also, there are Lohar, Sonar, Thatera and Silawat communities in Patan.

LAND USE

CASTE

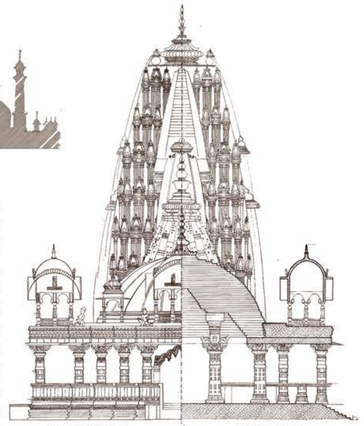
ECONOMY

OCCUPATION

VEGETATION

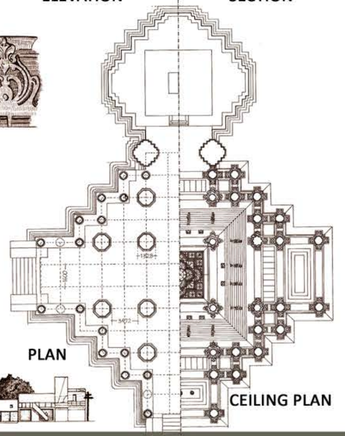
SUN TEMPLE

The magnificent sun temple or the Pudmanabh temple is located admidst the settelement of jhalrapatan. According to history the temple was built by the Parmars of Malwa region in the 10th century. The technique and procedure of the design of the temple has a striking resemblence to the North Indian Nagra style of architecture.



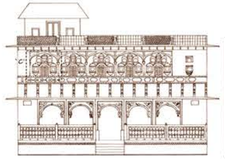
ELEVATION SECTION

DETAILS

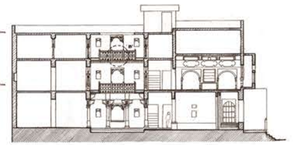


PLAN CEILING PLAN

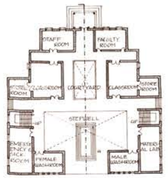
BINODI LAL HAVELI

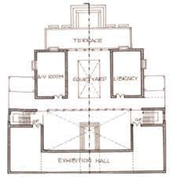


ELEVATION

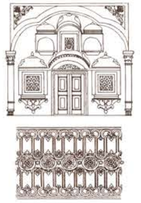


SECTION



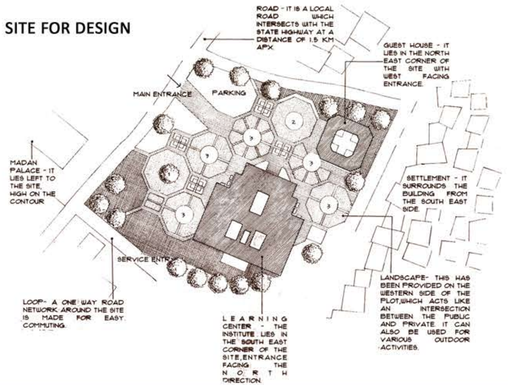


PLANS



DETAILS

SITE FOR DESIGN

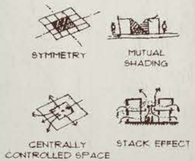


Detailed study of the complete planned city and its various prominent structures belonging to various communities was done. The chronological evolution of these precincts was done to analyse the change in structural, aesthetical and functional aspect of a building.

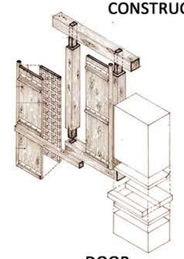
The study even included the analysis of open spaces of various characters and uses located at various locations and were meant for the purpose of a specific community or occupational activity.

DESIGN PROPOSAL

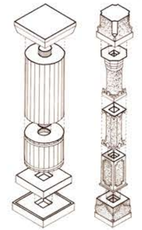
ARTISAN VILLAGE FOR SILAWAT COMUNITY



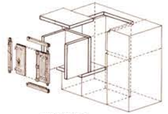
CONSTRUCTION DETAILS



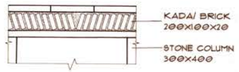
DOOR



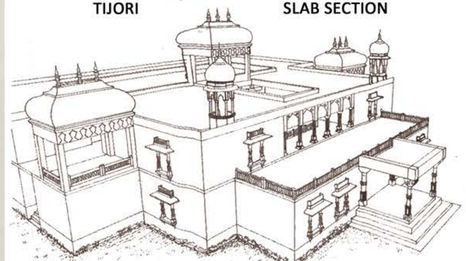
COLUMN



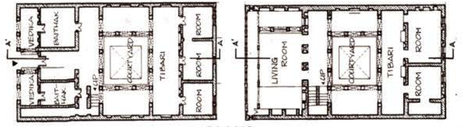
TIJORI



SLAB SECTION



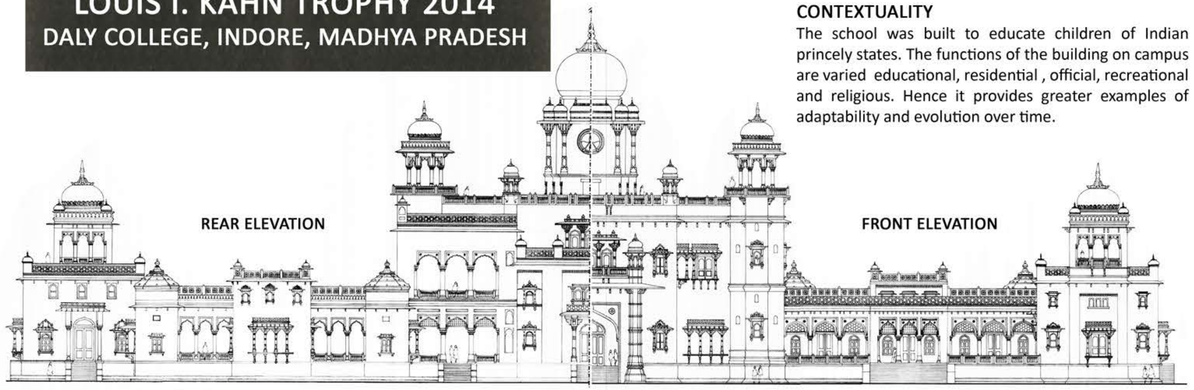
VIEW OF THE DESIGNED ARTISAN VILLAGE



PLANS

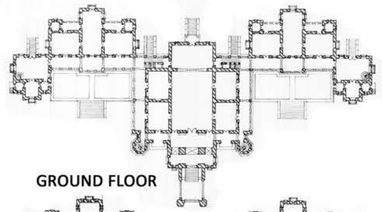
LOUIS I. KAHN TROPHY 2014
DALY COLLEGE, INDORE, MADHYA PRADESH

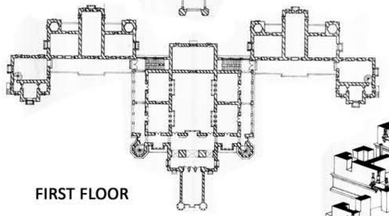
CONTEXTUALITY
The school was built to educate children of Indian princely states. The functions of the building on campus are varied educational, residential , official, recreational and religious. Hence it provides greater examples of adaptability and evolution over time.



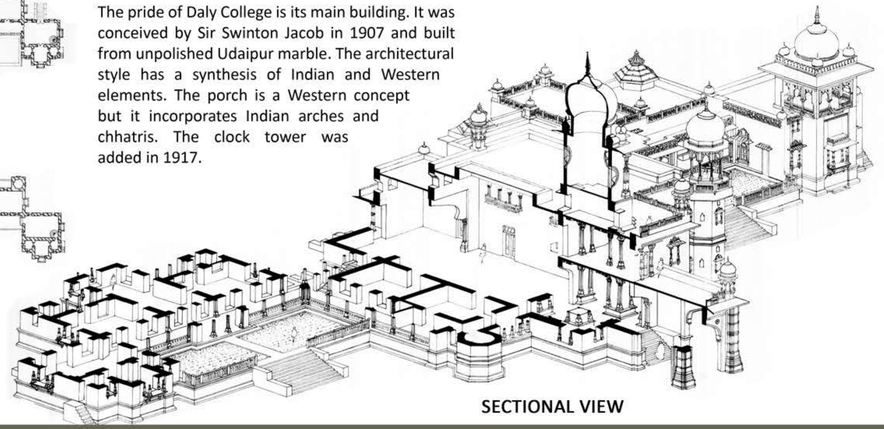
MAIN BUILDING

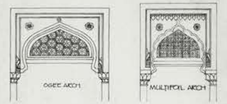
The pride of Daly College is its main building. It was conceived by Sir Swinton Jacob in 1907 and built from unpolished Udaipur marble. The architectural style has a synthesis of Indian and Western elements. The porch is a Western concept but it incorporates Indian arches and chhatris. The clock tower was added in 1917.

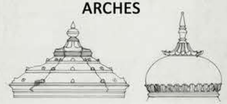

GROUND FLOOR


FIRST FLOOR

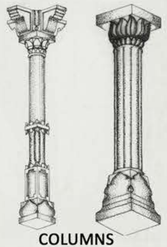
PLANS


SECTIONAL VIEW

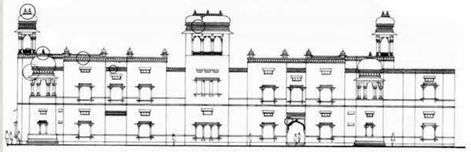

ARCHES

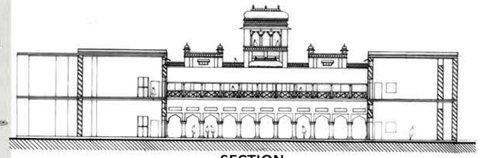

DOMES

JHAROKHAS

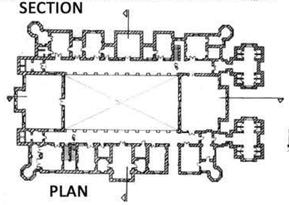

COLUMNS

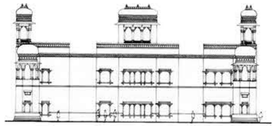
CHHATRI

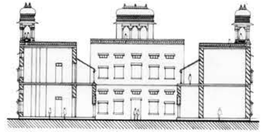

FRONT ELEVATION

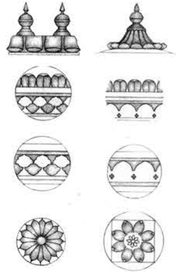

SECTION

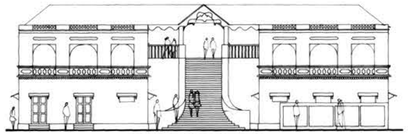
VIKRAM HOUSE
This boys' hostel was built in 1909 for the Kumars. It incorporates Rajput chhatris, Mughal onion domes, English lean to roofs, Tudor arches and trought vaulted kiosks.


PLAN

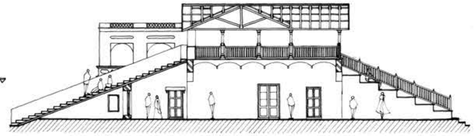

SIDE ELEVATION

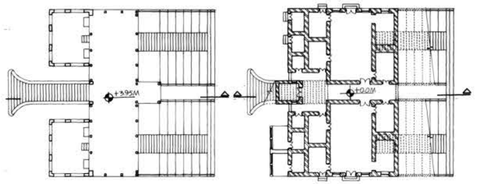

SECTIONAL VIEW


DETAILS


FRONT ELEVATION

SIDE ELEVATION

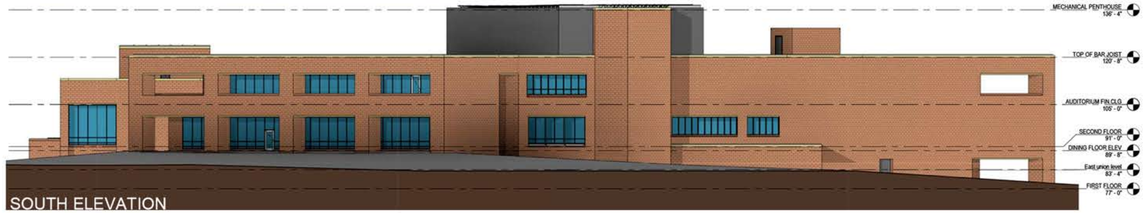

SECTION


PLANS

SCINDIA PAVILION
This building was built in 1910 in stone, with the system of Cruck and King Trusses. The planning of the building is Victorian while it contains Mughal, Gothic and Rajput elements.

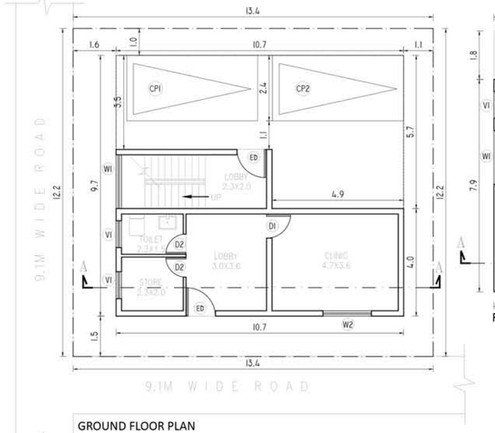
EAST UNION CAMPUS, NEBRASKA (3D-MODELLING)

Nebraska East Union is home to many cultural, educational, recreational, social, dining and service activities. The project was a part of REVIT learning and the task was to work on 3D-modelling of the building on REVIT.



PAVITHRA'S RESIDENCE, BANGALORE

Mrs. Pavithra's Residence is a 3 BHK residential bungalow (G+3) which includes a small clinic at the ground floor and residence at first, second and third floor. The task was to make conceptual design of the bungalow and then worked on sanction drawings.



GROUND FLOOR PLAN

FIRST FLOOR PLAN

AREA STATEMENT

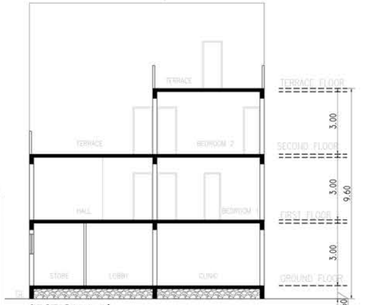
SITE AREA-163.48 SMT
F.A.R. ALLOWED- 1.75 (286.09 SMT)
F.A.R. ACHIEVED- 1.66 (272.13 SMT)
COVERAGE ALLOWED- 75% (122.61 SMT)
COVERAGE- 63.5% (103.79 SMT)

PARKING STATEMENT-

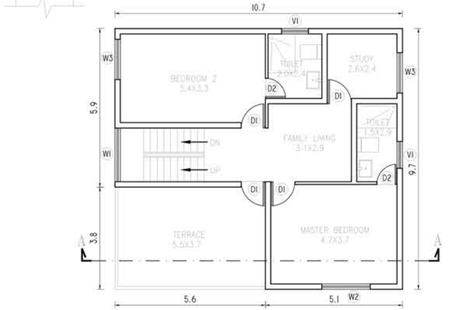
REQUIRED NO. OF PARKING- 2
PROVIDED NO. OF PARKING- 2

SCHEDULE OF OPENINGS

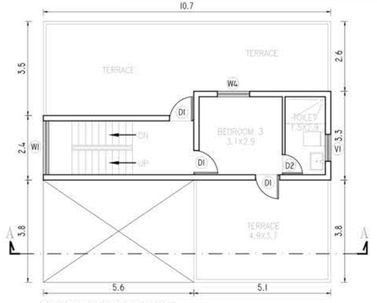
TYPE	SIZE	DESCRIPTION
ED	1.10x2.15	SAL WOOD FRAME FLUSH SHUTTER
D1	0.90x2.15	SAL WOOD FRAME FLUSH SHUTTER
D2	0.75x2.15	SAL WOOD FRAME FLUSH SHUTTER
W1	2.00X1.35	ALL. FRAME GLAZED WINDOW
W2	1.80X1.35	ALL. FRAME GLAZED WINDOW
W3	1.50X1.35	ALL. FRAME GLAZED WINDOW
W4	1.20X1.35	ALL. FRAME GLAZED WINDOW
V1	1.00x0.90	SAL WOOD FRAME GLAZED VENTILATOR



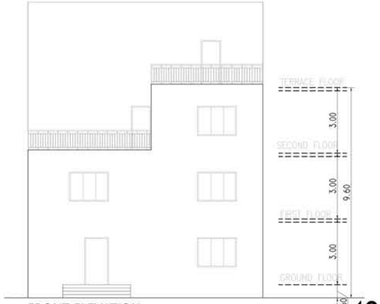
SECTION A-A'



SECOND FLOOR PLAN



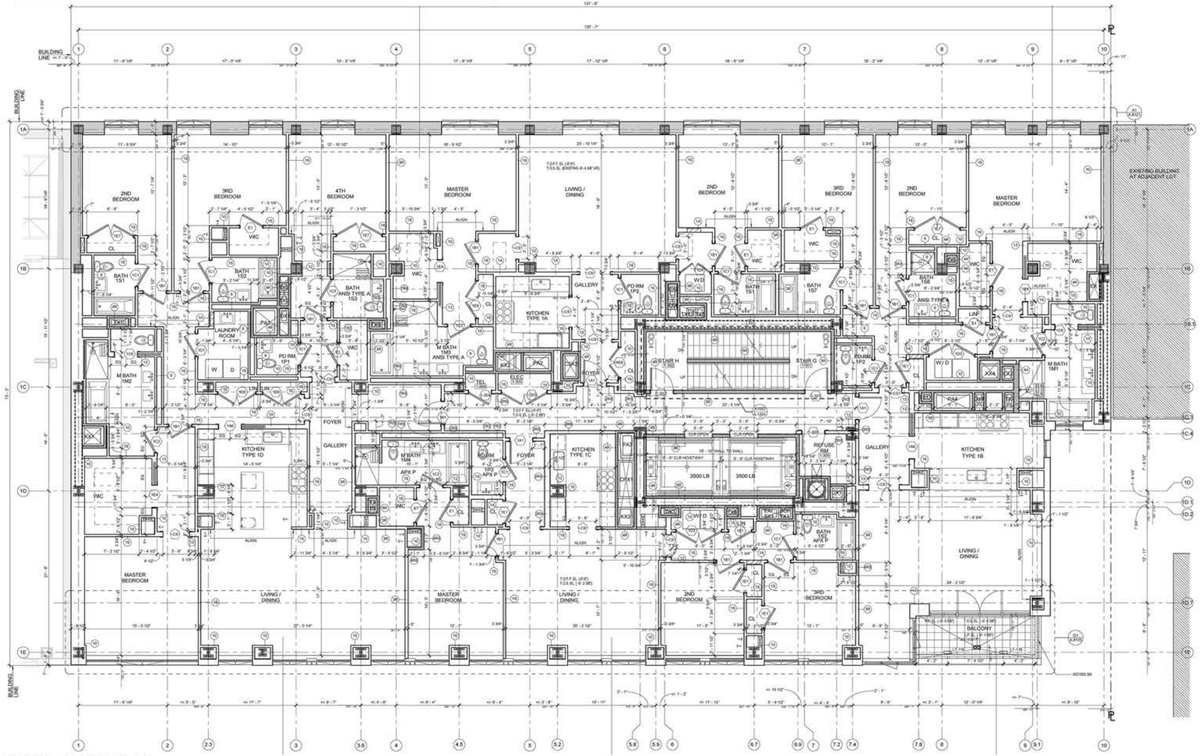
TERRACE FLOOR PLAN



FRONT ELEVATION

WEST VILLAGE RESIDENCES, NEW YORK (REVIT TRAINING)

The **West Village Residences** is a 728,000 square foot development that includes select demolition and remediation of the former St. Vincent's Hospital to make way for five residential buildings, ranging from 11 to 18 stories. This project was a part of **REVIT training programme** which included 3D-modelling of one of the residential buildings (140 West, 12th Street).

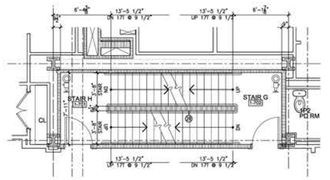


THIRD FLOOR PLAN

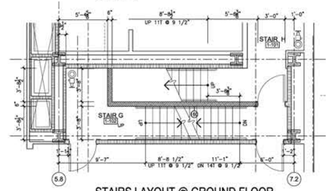
RENDERED IMAGE

AERIAL VIEW OF WEST VILLAGE RESIDENCES

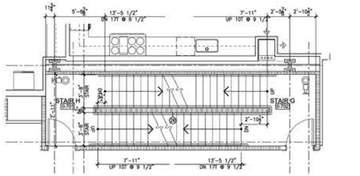
ELEVATION



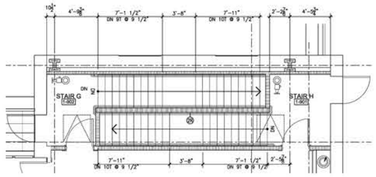
STAIRS LAYOUT @ 3RD FLOOR



STAIRS LAYOUT @ GROUND FLOOR



STAIRS LAYOUT @ 7TH FLOOR

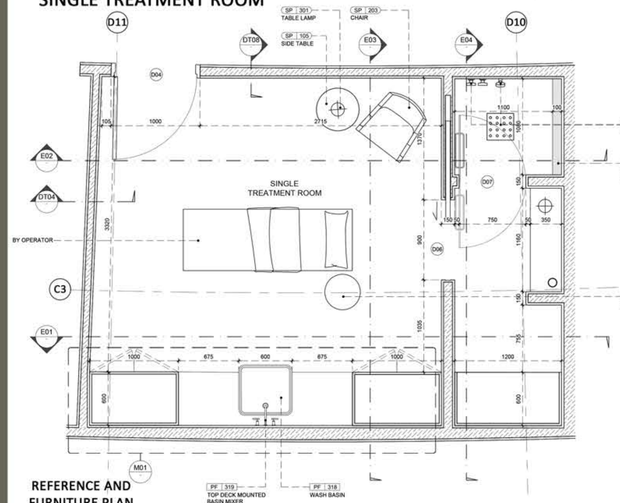


STAIRS LAYOUT @ 9 TH FLOOR

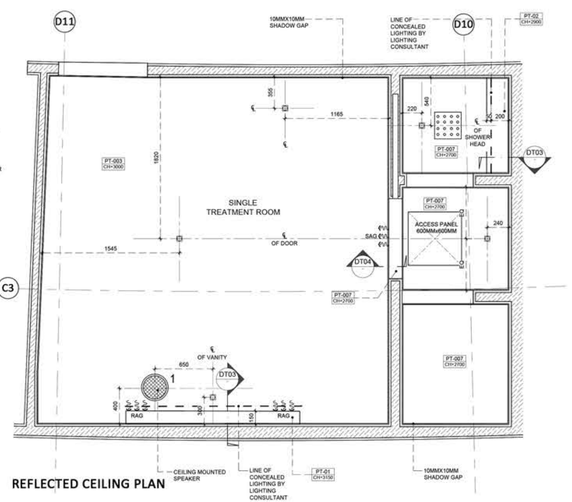
KEMPINSKI, KUALA LUMPUR, MALAYSIA (INTERIOR DESIGN)

Kempinski Hotels S.A. is a hotel group which currently operates 75 five-star hotels and residences in 30 countries. The project was to detail out the interior design of level 8 and 9 of the hotel Kempinski, KL, Malaysia. The task was to work on interior detailing of level 8 & 9 including plans, elevations or sections, millwork and details.

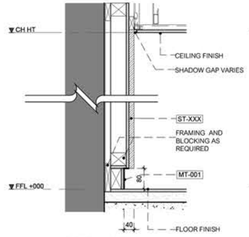
SINGLE TREATMENT ROOM



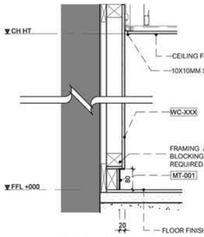
REFERENCE AND FURNITURE PLAN



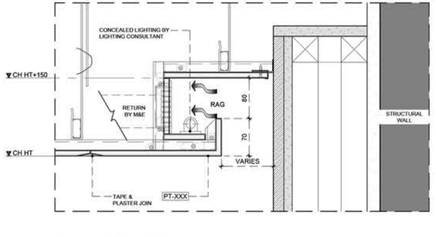
REFLECTED CEILING PLAN



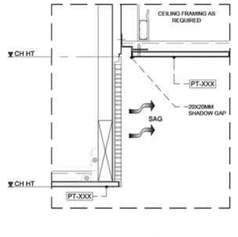
DETAIL-DT04



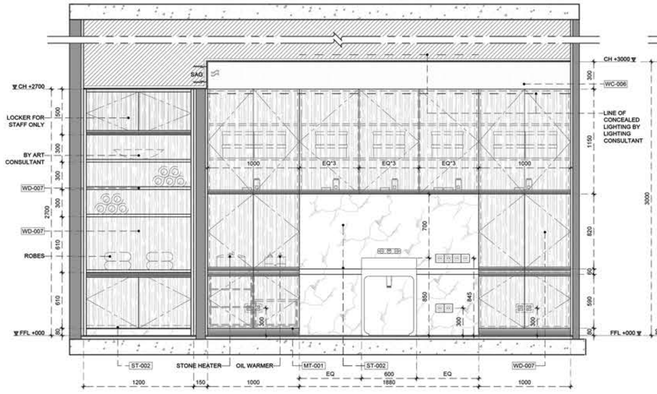
DETAIL-DT08



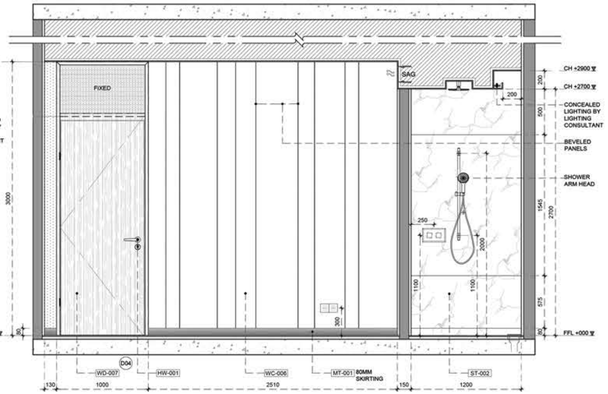
CEILING DETAIL-DT03



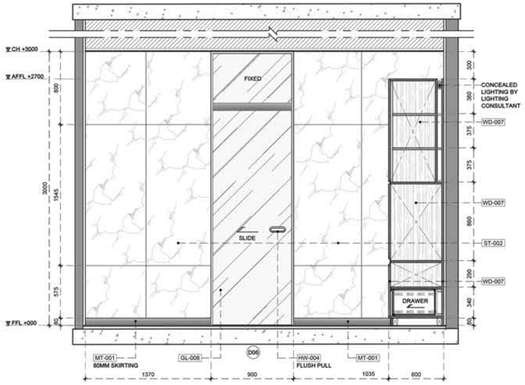
CEILING DETAIL-DT04



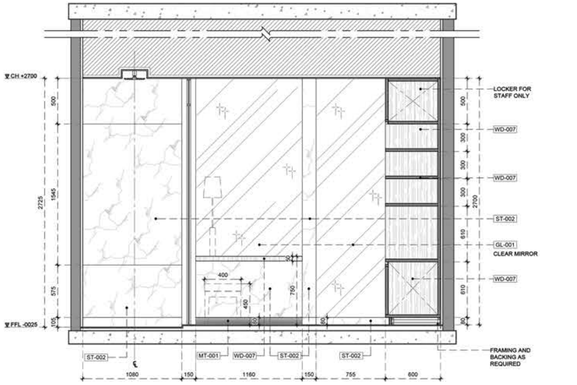
ELEVATION E01



ELEVATION E02

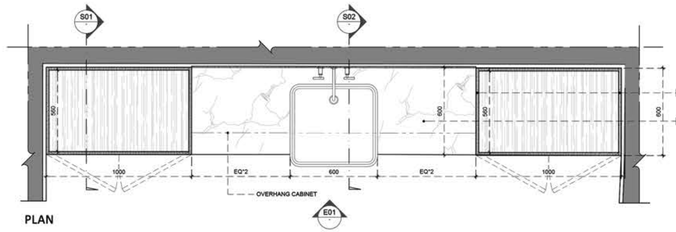


ELEVATION E03

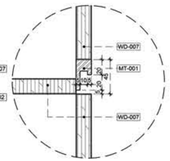


ELEVATION E04

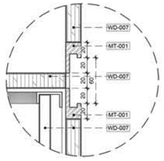
SINGLE TREATMENT ROOM- MILLWORK DETAILS (TREATMENT COUNTER)



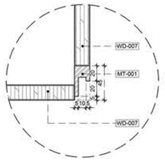
PLAN



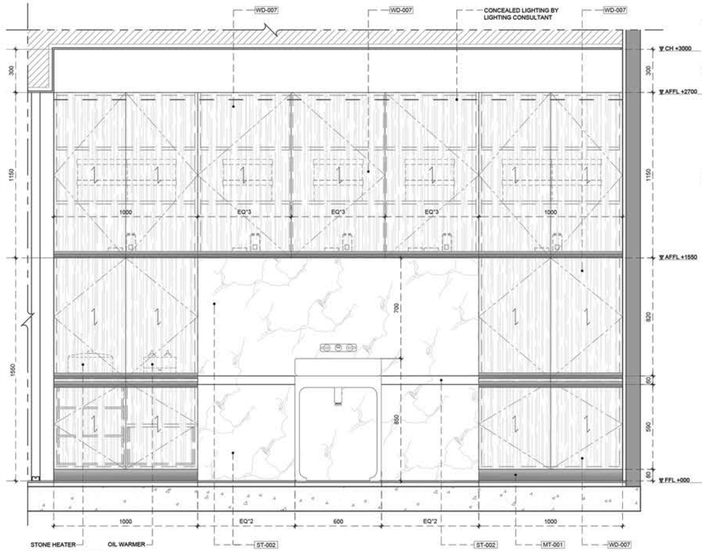
SPOT DETAIL A



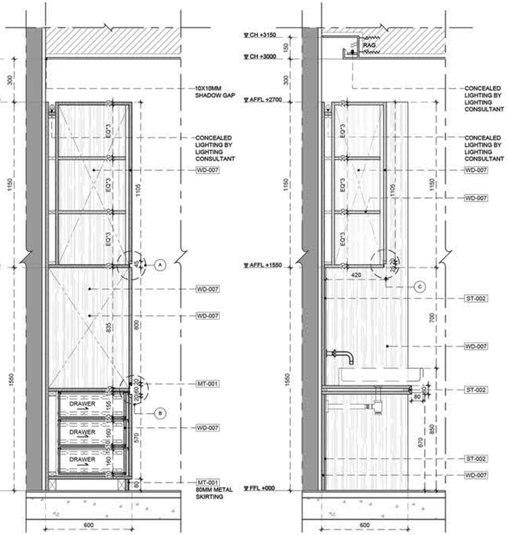
SPOT DETAIL B



SPOT DETAIL C



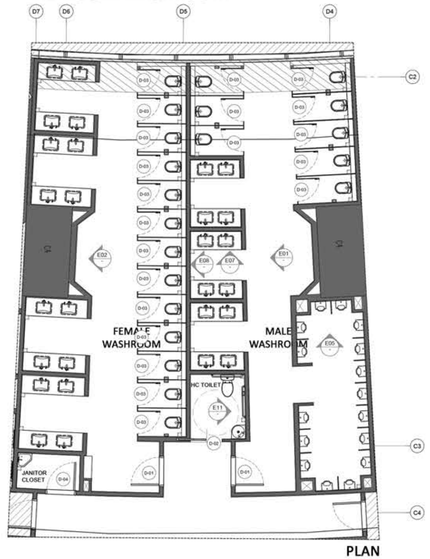
ELEVATION E01



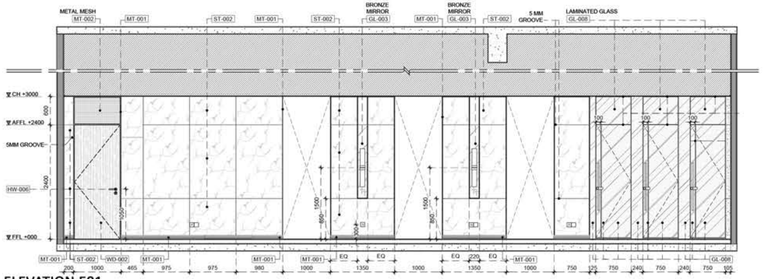
SECTION S01

SECTION S02

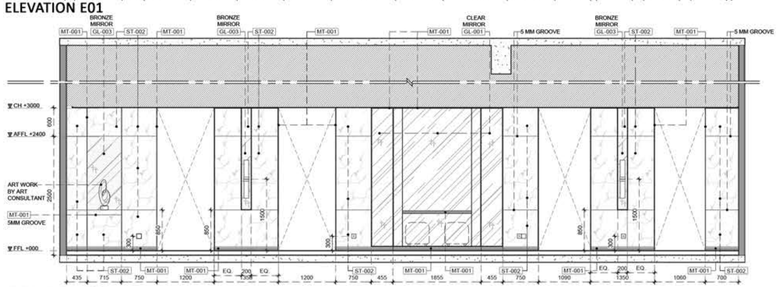
BALLROOM WASHROOM



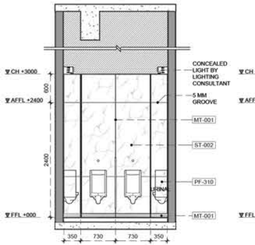
PLAN



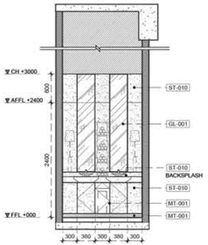
ELEVATION E01



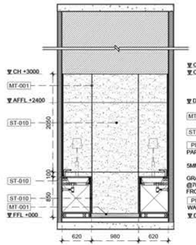
ELEVATION E02



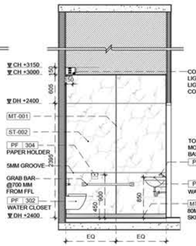
ELEVATION E05



ELEVATION E07



ELEVATION E08



ELEVATION E11

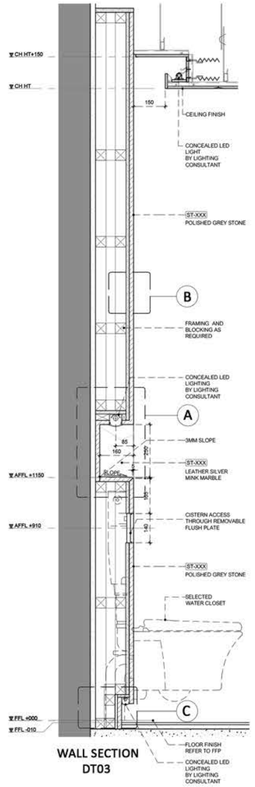
REFERENCE RENDERED IMAGE

MATERIAL FINISHES

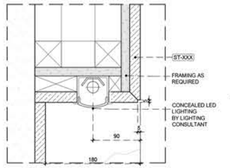
ACTUAL FINISH / HATCH PATTERN

- CLEAR GLASS (GL-001)
- BRONZE MIRROR (GL-003)
- LAMINATED MIRROR (GL-008)
- POLISHED GOLD (MT-001)
- GOLD METAL MESH (MT-002)
- HAIRLINE GOLD (MT-003)
- NATURAL LINEN LACQUERED PAINT (PT-004)
- POLISHED SILVER MINK MARBLE (ST-002)
- POLISHED CALCUTTA ORO STONE (ST-010)
- GENERAL TAPETEX SILK WALL-COVERING (WC-001)

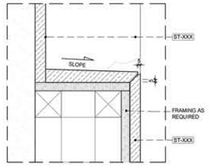
LEDGE WALL DETAILS



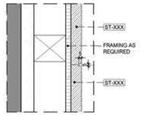
WALL SECTION DT03



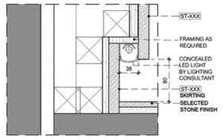
DETAIL-A



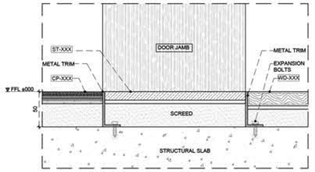
DETAIL-B



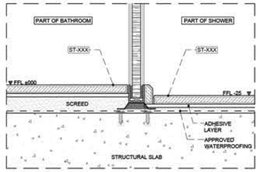
DETAIL-C



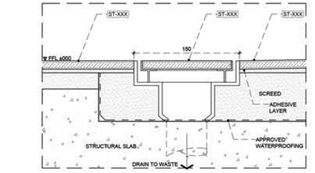
FLOOR DETAILS



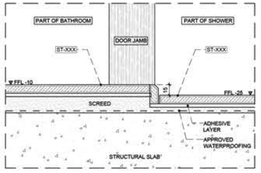
FLOOR DETAIL-DT04



FLOOR DETAIL-DT10

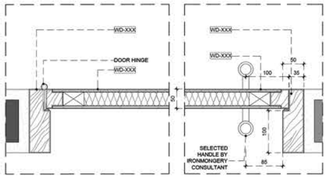


FLOOR DETAIL-DT11

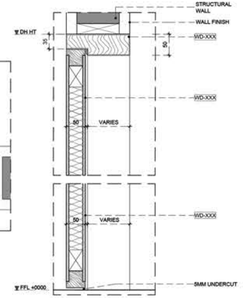


FLOOR DETAIL-DT08

DOOR DETAILS

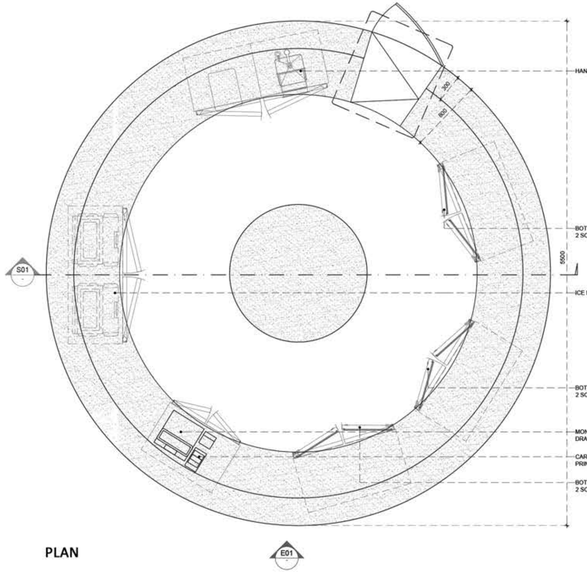


DOOR DETAIL-DT02

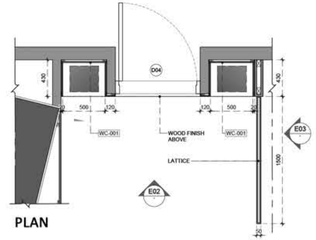


DOOR DETAIL

PRE-FUNCTION BAR

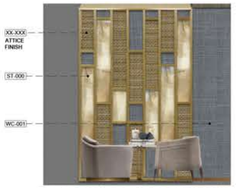


PLAN

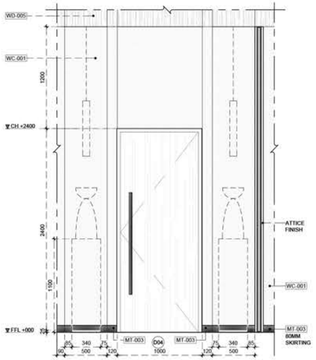


PLAN

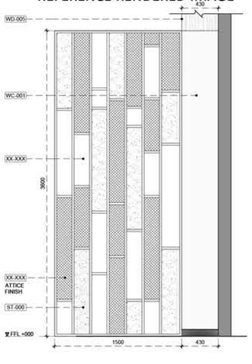
WEDDING SHOWROOM



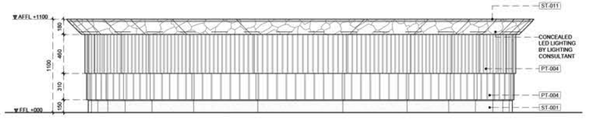
REFERENCE RENDERED IMAGE



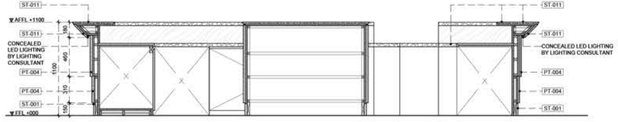
ELEVATION E02



ELEVATION E03



ELEVATION E01



SECTION S01

kritika14011995@gmail.com

Contact no.- +91-9039106360