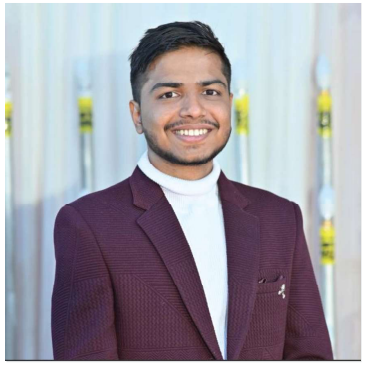
Architectural

Portfolio

Rushabh s mahore

Introduction



As an architecture enthusiast, I am fascinated by the works of master architect Charles Correa. My design philosophy is centered on creating structures that are more functional to the users, while understanding the importance of sunlight in the Indian context. I strive to bring sunlight inside the building, creating a dynamic play of light and shadow.

I am particularly drawn to providing the essence of traditional housing to people, keeping in mind the context of the building. I believe that architecture should be rooted in the local culture and should reflect the needs of its users.

My interest in sustainable urban lifestyles has led me to explore solutions for the problems faced by city cores. I am particularly interested in urban designing of spaces and how we can create sustainable environments in urban areas.

Overall, I am passionate about creating buildings and spaces that are not only aesthetically pleasing but also serve the needs of their users and contribute to a sustainable future.

"A bulding should serve its purpose, but it becomes more interesting when it goes beyond that purpose"

– charles correa

Rushabh Mahore

Email
rushabhmahore25@gmail.com

Contact No.
8208797838

EDUCATION

Nagpur, MH
Visvesvaraya national institute of technology, Nagpur (VNIT)
Department of Architecture & planning

July 2019/May 2024
Bachaelor of Architecture
CGPA :- 9.18

Aurangabad, MH
Vasantrao Naik Mahavidyalaya

July 2017/Feb 2019
Higher secondary Certificate
Percentage : 77.85%

Aurangabad, MH
Bhaskaracharya Vidyaniketan

July 2015/ Mar 2017
Secondary School Certificate

EXPERIENCE

May 2024/ July 2024
AEC LABS

1) Scope of Work Included, Shop Drawings LOD 300-400 Conversion,

2) Automation For the Metro-Rail Project Using Grasshopper and Rhino inside Revit.

3) 60% Automation for Infra Project such as Metro-Rail Project.

Aug 2023/ Dec 2023
Architectural Intern
Atkinsrealis (WS ATKINS)
1) Scope Of work involved assisting coordination for the Project EDAROTH (6 Sites Located in UK).
2) Building Modelling in Revit for the Project under Aberdeen Municipal Council, (Kincorth Scotland)
3) Building Condition Survey Drawings For the UKAEA.

June 2021/ Feb 2023
Graphic Designer
Mag Literary Society, VNIT
Designed social Media posts and annual Magazine of the college.

Jan 2021/ April 2023
Class Representative
Class representative for the class of 80+ students
Have conducted several Departmental Events, including the Study tour.

EXPERIENCE WITH STARTUPS

Nagpur, MH
361 Bit
Video Editor

July 22/ April 23
Have contributed for around 10 months where i have learned to work along with the team. Have made several informative videos for their youtube Platform.

Aurangabad, MH
Buymybunny
Founder

May 22 / Present
Have started a startup named Buymybunny where i have learned to create a website and managed all the tasks related to the Dropshipping. Buymybunny is currently availabe on instagram with more than 1k followers.

COMPETITIONS

Ongoing
Solar Decathon India Challenge 22-23
Grand Jury Winners (Office Building Division)

2023
Architech, DEVISE'23
3rd Prize.

2023
Designo, DEVISE'23
1st Prize.

2020/2021
NASA Laurie Baker Trophy

2021
NASA ANDC Trophy

2020
NASA ANDC Trophy
top 100

2019
NASA Reuben's Trophy

WORKSHOPS

2023
Bamboo Joinary Workshop
Maharashtra Bamboo Association with VNIT

2022
Earthquake Resistant Structures for Architects Workshop
National information centre of Earthquake Enginnering, IIT Kanpur

2022
Mind Ecology (Seminar)
By Architect Sathyaprakash Varanashi

SKILLS

Softwares

Drafting	Autodesk Autocad
3D modeling	Revit, Rhinoceros , Grasshopper, Dynamo, BIM 360
Rendering	Enscape 3d, V-ray, Lumion
Graphic Designing	Adobe Illustrator, Adobe Photoshop, canva
Video Editing	Adobe Premier pro, Whiteboard animation
Data Analysis	Climate consultant, resist, Global mapper

LANGUAGES

English	
Marathi	(Native)
Hindi	
German	(Beginner)

Linkedin Profile

Selected works

Academic / Individual

X SEM GOA (Thesis)	**2024**	International Convention Centre
VII SEM, Aurangabad	**2022**	National Institute of Design. (Campus Design)
VIII SEM, Nagpur	**2023**	Interior Design (Corporate Bank)
VII SEM, Sitabuldi (ngp)	**2022**	Landscape Design (Market Place)

Professional Works

2023 Working Drawings, Building condition Survey Drawings (Edaroth, UKAEA, KINCORTH)

2024 Proposal of 60% Automation for Communication Towers

2024 Infra - Automation Project (For Metro-Rail)

Miscelleneous

Other works

VIII SEM, Nagpur	**2023**	Mixed Use hub (High rise structure)
VII SEM, Jaipur	**2022**	Convention centre at jaipur
VI SEM, Nagpur	**2021**	Google housing at mihan nagpur
VIII SEM, Nagpur	**2023**	Mixed Use hub (High rise structure)

Freelance works

Paithan, Aurangabad	**2022**	Row House at paithan

Softwares Used :

Revit | Dynamo | Rhinoceros | Photoshop | Illustrator

Autocad | Sketchup

Revit

Grasshopper | Rhino | Rhino.Inside Revit | Revit

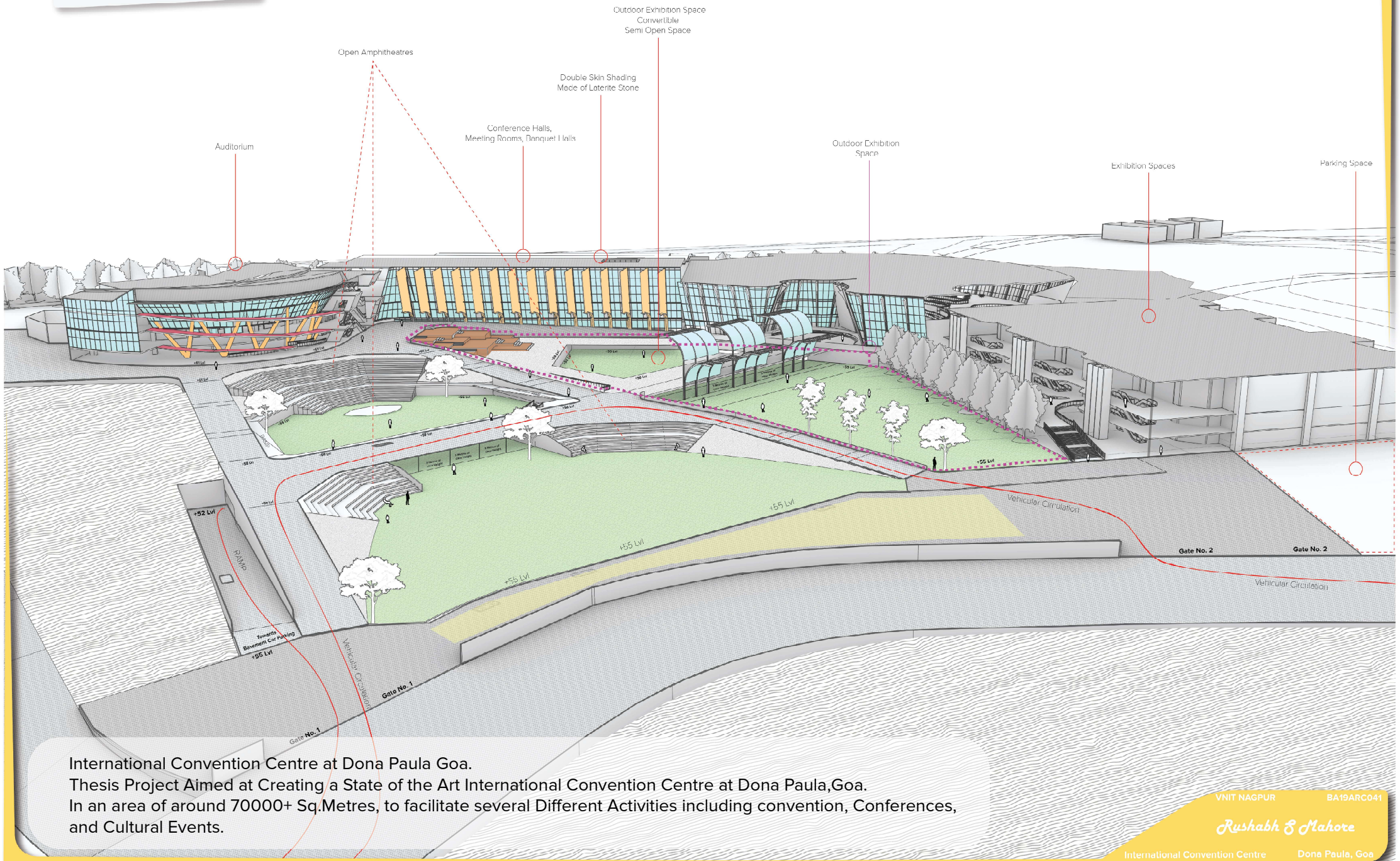
Grasshopper | Rhino | Rhino.Inside Revit | Revit

Grasshopper | Rhino

Competition / Group work

Mysuru	**2021**	Zootopia' 21
Velapur	**2021**	The drawing board '21
Nagpur	**2022**	Solar Decathlon india (grand Winners)
Vaheval	**2020**	Laurie baker trophy
Paithan	**2021**	Annual Nasa Designing Competition
Goa	**2022**	Competition Entry (Memorial) The Drawing Board, 2022
Nagpur	**2023**	Competition Entry (Police Station) Solar Decathlon India 2022-23

International Convention Centre



International Convention Centre at Dona Paula Goa.
Thesis Project Aimed at Creating a State of the Art International Convention Centre at Dona Paula,Goa.
In an area of around 70000+ Sq.Metres, to facilitate several Different Activities including convention, Conferences, and Cultural Events.

VNIT NAGPUR BA19ARC041
Rushabh S Mahore
International Convention Centre Dona Paula, Goa

Project Phase ii

Floor Plan at +55 Lvl

Scale 1:500

Rushabh Mahore BA19ARC041



Exibiton Spaces at level +55 (Shaed Pathway)
Connection showing the Indoor and outdoor Exhibition space



The Pedestrian walkway at the entrance, near the smaller OAT, 3.5m high, which enters into the Courtyard of Bigger OAT.

Spaces on this Level

Exibition Space	4069 sq.m
Outdoor Exibiton Space	9350 Sq.m

Vertical Circulation Standards

Standard Lift Shaft site	1900 X 1700
Cargo Lift size	2500 X 4000
Escalator Width	1500 mm
Min. Ramp Width	2000 mm

Legand

- Circulation Space (Lobby, passage etc)
- Vertical Circulation (Lifts, Escalators, Elevators)
- Fire Exits

+55 lvl plan

plane cutting through +55.5

VNIT NAGPUR BA19ARC041

Rushabh S Mahore

International Convention Centre Dona Paula, Goa

Project Phase II

Floor Plan at +58 Lvl

Scale 1:500

Rushabh Mahore BA19ARC041



Exibiton Spaces at level +55 (Shaed Pathway)
Connection showing the Indoor and outdoor Exhibition space

Spaces on this Level

Conference Spaces	+57 Lvl
Waiting Lounge	+57 Lvl
Exibition Eatery	+58.5 Lvl
Breakout Spaces	+57 Lvl
Smaller Indoor Exibition Spaces	+59 Lvl
Registration Desks	+59 Lvl

Vertical Circulation Standards

Standard Lift Shaft site	1900 X 1700
Cargo Lift size	2500 X 4000
Escalator Width	1500 mm
Min. Ramp Width	2000 mm

Legand

- Circulation Space Outdoors (Pathway etc.)
- Vertical Circulation (Lifts, Escalators, Elevators)
- Circulation Space Indoors (Lobby, passage etc)
- Waiting Space & Lounge
- Service Corridors and Spaces
- Fire Exits

+58 lvl plan

plane cutting through +59.5

Vehicular Circulation

VNIT NAGPUR BA19ARC041
Rushabh S Mahore

International Convention Centre Dona Paula, Goa

Project Phase II

Floor Plan at +61 Lvl

Scale 1:500

Rushabh Mahore BA19ARC041



Flexible Informal Seating Cum exibition space present between the Auditorium and the Meeting Room block

Spaces on this Level

Meeting Room Spaces	+62 Lvl
Waiting Lounge	+62 Lvl
Auditorium Level 1	+61 Lvl
Performer's Spaces	+60.5 Lvl
Canteen Spaces	+62.65
BOH Spaces	+62 Lvl

Vertical Circulation Standards

Standard Lift Shaft size	1900 X 1700
Cargo Lift size	2500 X 4000
Escalator Width	1500 mm
Min. Ramp Width	2000 mm

Legend

- Circulation Space Outdoors (Pathway etc.)
- Vertical Circulation (Lifts, Escalators, Elevators)
- Circulation Space Indoors (Lobby, passage etc)
- Waiting Space & Lounge
- Service Corridors and Spaces
- Fire Exits

N

+61 lvl plan Auditorium Lvl 1

plans cutting through +62.5

VNIT NAGPUR BA19ARC041

Rushabh S Mahore

International Convention Centre Dona Paula, Goa

Project Phase ii

Floor Plan at +66.5 Lvl

Scale 1:500

Rushabh Mahore BA19ARC041



VIP waiting areas, Lounge and Breakout spaces



Connection Between the Banquet Halls and the Auditorium

Spaces on this Level

Banquet Halls	+66.5 Lvl
VIP Waiting Lounge	+66.5 Lvl
Auditorium Level 2	+64.15 Lvl
Performer's Spaces	+64.15 Lvl
BOH Spaces	+66.5 Lvl

Vertical Circulation Standards

Standard Lift Shaft size	1900 X 1700
Cargo Lift size	2500 X 4000
Escalator Width	1500 mm
Min. Ramp Width	2000 mm

Legand

- Circulation Space Outdoors (Pathway etc.)
- Vertical Circulation (Lifts, Escalators, Elevators)
- Circulation Space Indoors (Lobby, passage etc)
- Waiting Space & Lounge
- Service Corridors and Spaces
- Fire Exits

N

+66.5 lvl plan banquet Hall

plane cutting through +63 lvl

VNIT NAGPUR BA19ARC041

Rushabh S Mahore

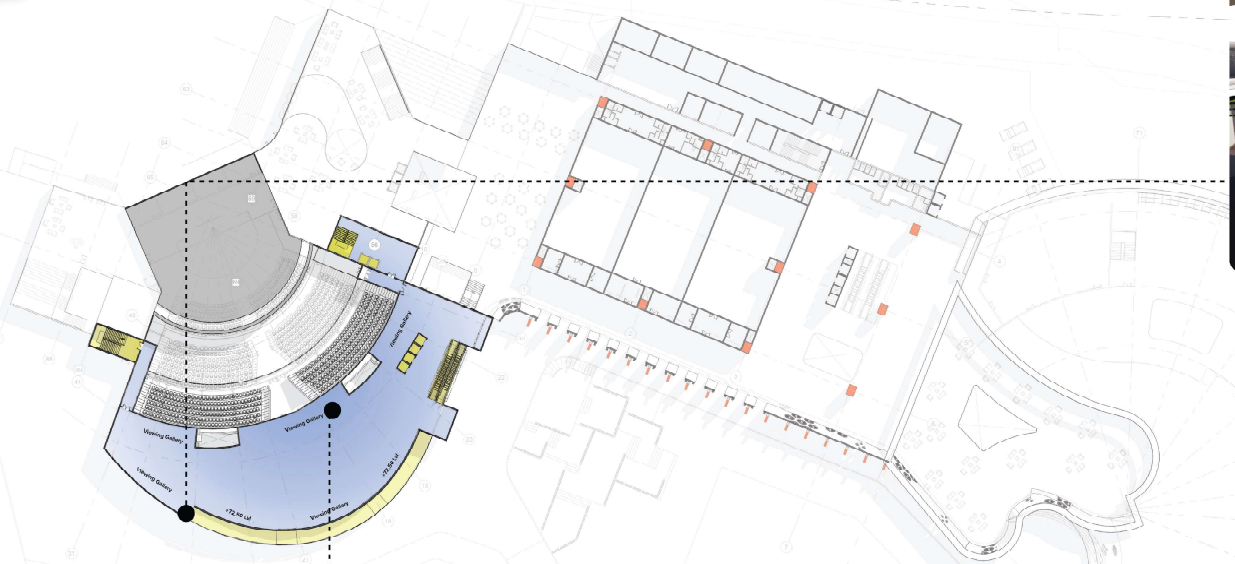
International Convention Centre Dona Paula, Goa

Project Phase II

Floor Plan at +72.5 Lvl

Scale 1:500

Rushabh Mahore BA19ARC041

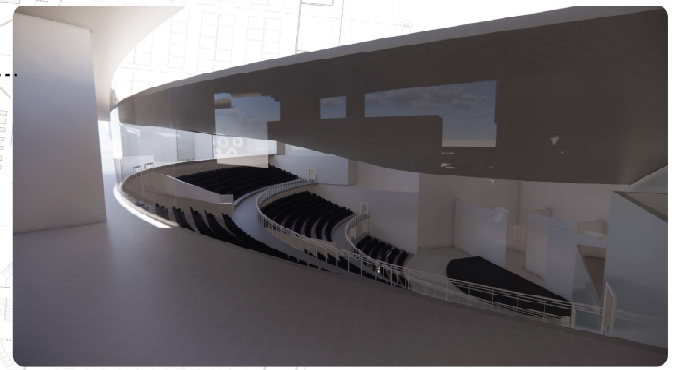




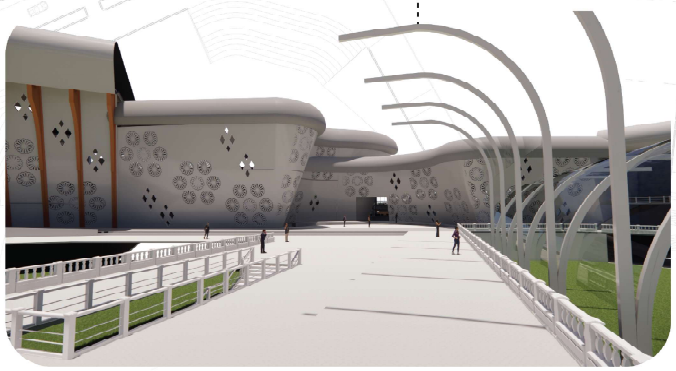
Vieew from the ramp towards the sea side. overlooking into the oat and pedestraian area



View of the Auditorium from the Larger OAT



View of the Auditorium from the Gallery Seating



View of the Waiting Lounge ans the Registration block

Spaces on this Level

Auditorium Level 4	+72.50 Lvl

Vertical Circulation Standards

Standard Lift Shaft size	1900 X 1700
Cargo Lift size	2500 X 4000
Escalator Width	1500 mm
Min. Ramp Width	2000 mm

Legand

- Circulation Space Outdoors (Pathway etc.)
- Vertical Circulation (Lifts, Escalators, Elevators)
- Circulation Space Indoors (Lobby, passage etc)
- Waiting Space & Lounge
- Service Corridors and Spaces
- Fire Exits

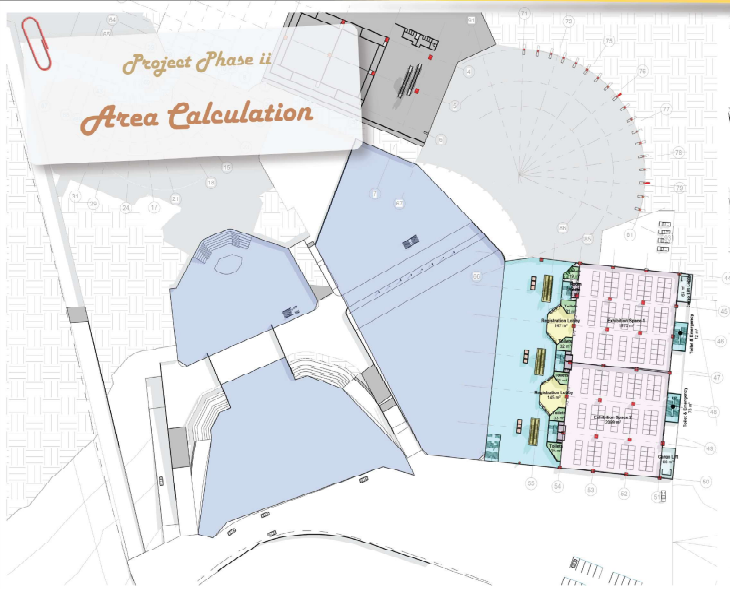
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+72.5 lvl plan Auditorium Lvl 4

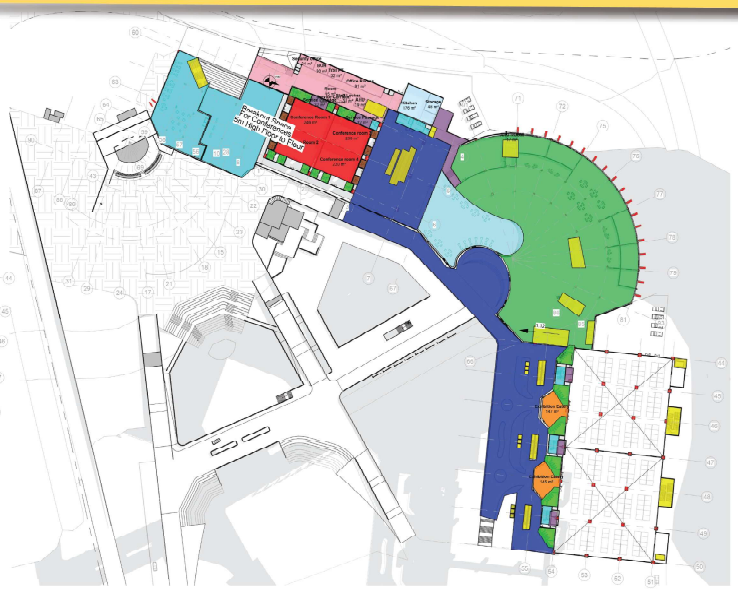
plane cutting through +73.5 lvl

Project Phase ii

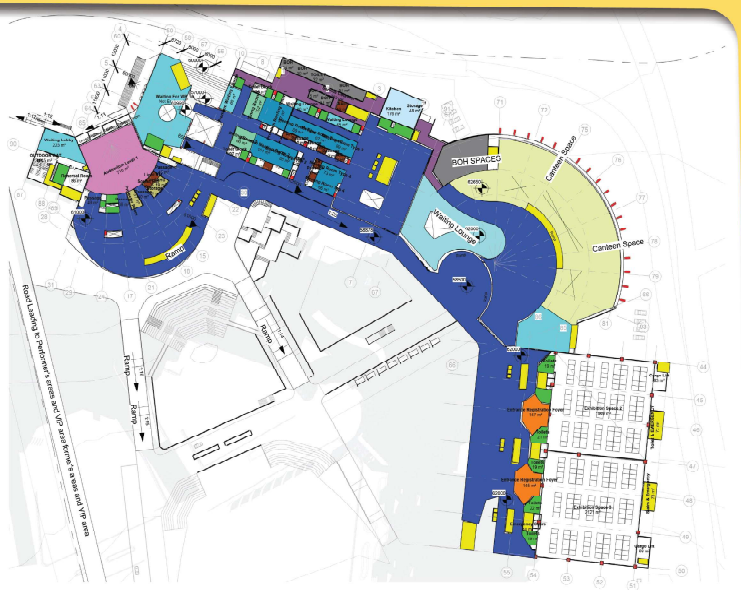
Area Calculation



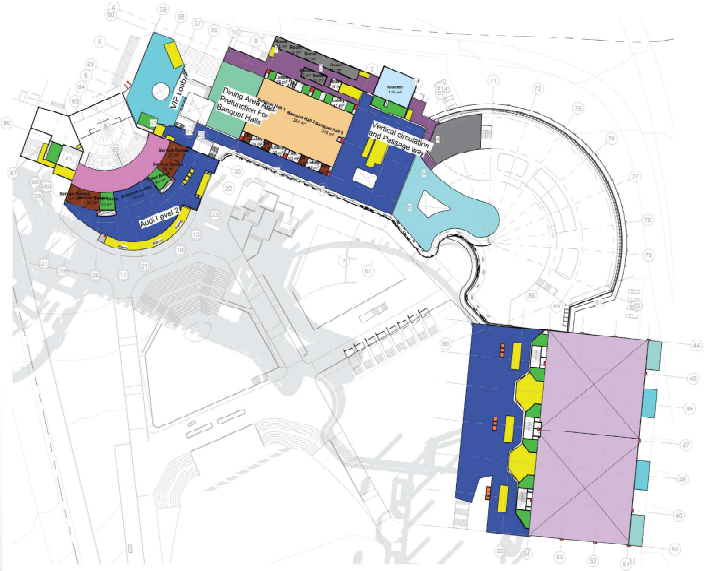
1 +55 IVL ExHIBITION
1 : 1200



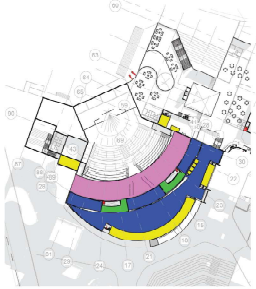
2 +58 Lvl Canteen Mezzanine
1 : 1200



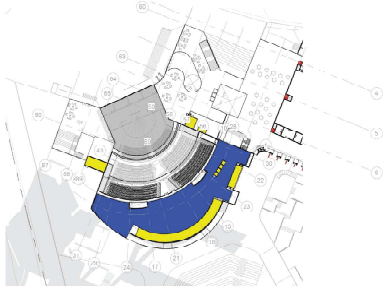
3 +61 (62.9) Lvl Audi Level
1 : 1200



4 +66.5 Lvl Banquet Hall Level area plan
1 : 1200



5 +68.5 Lvl Audi Level 3 area plan
1 . 1200

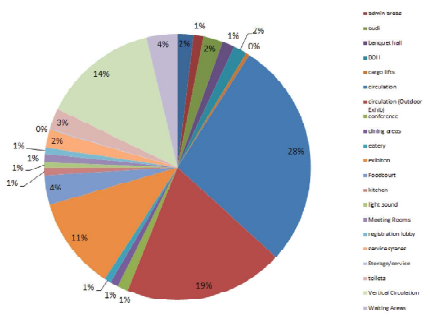


6 +71Lvl Audi Level 4 area plan
1 : 1200

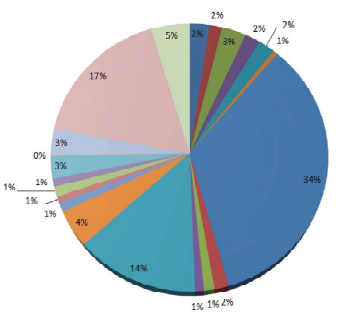
- Circulation
- Exhibition Space
- Waiting Space
- Vertical Circulation
- Banquet Hall
- Auditorium spaces
- Service Areas (Passages)
- Toilets
- Registration and waiting
- Foodcourt
- Exibition Register Lobby
- Light/sound Room
- Outdoor Circulation space
- BOH
- Admin Areas

Type Of area	Area in Sq.m
OAT Areas	1430
admin areas	896.594384
audi	1740.632007
banquet hall	1100.819193
BOH	1198.06721
cargo lifts	323.408315
circulation	20482.57268
circulation (Outdoor Exhib)	14292.04044
conference	960.882508
dining areas	707.741859
eatery	609.462905
exibiton	8320.619695
Foodcourt	2665.653735
kitchen	669.042076
light sound	474.213326
Meeting Rooms	721.890052
registration lobby	585.437514
service spaces	1602.105485
Storage/service	77.162436
toilets	1876.858521
Vertical Circulation	10394.4
Waiting Areas	2768.336005
total :	**73897.94035**

Pie chart with both outdoor and indoor circulation



Pie chart with ndoor circulation only

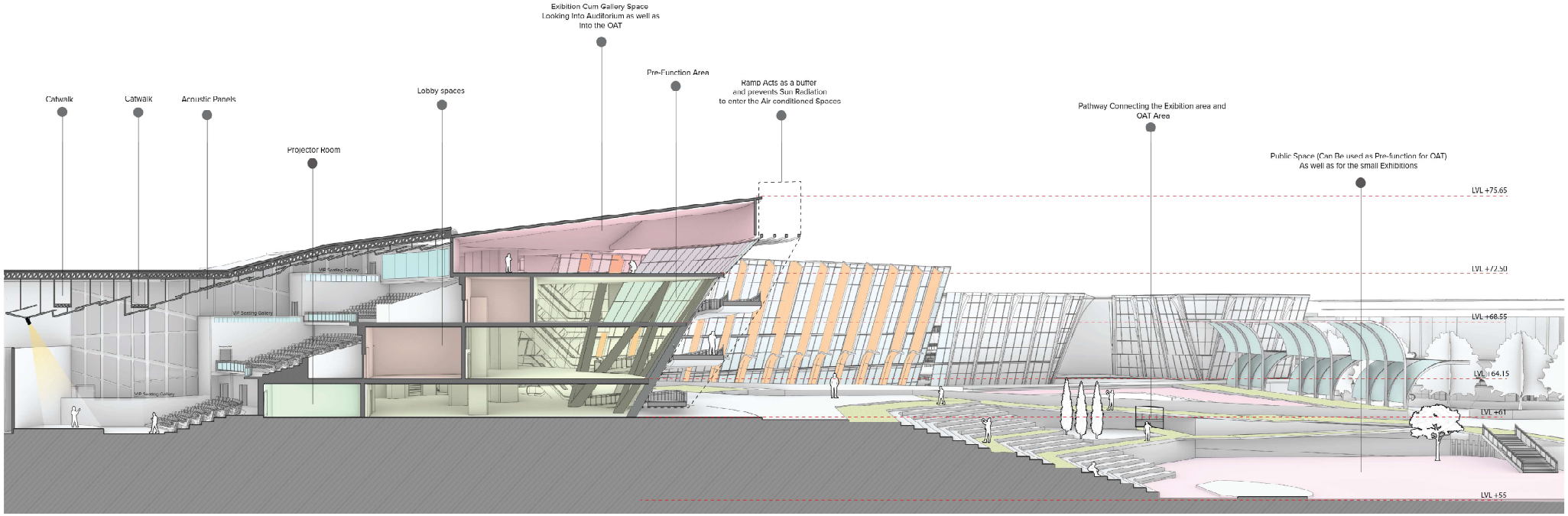


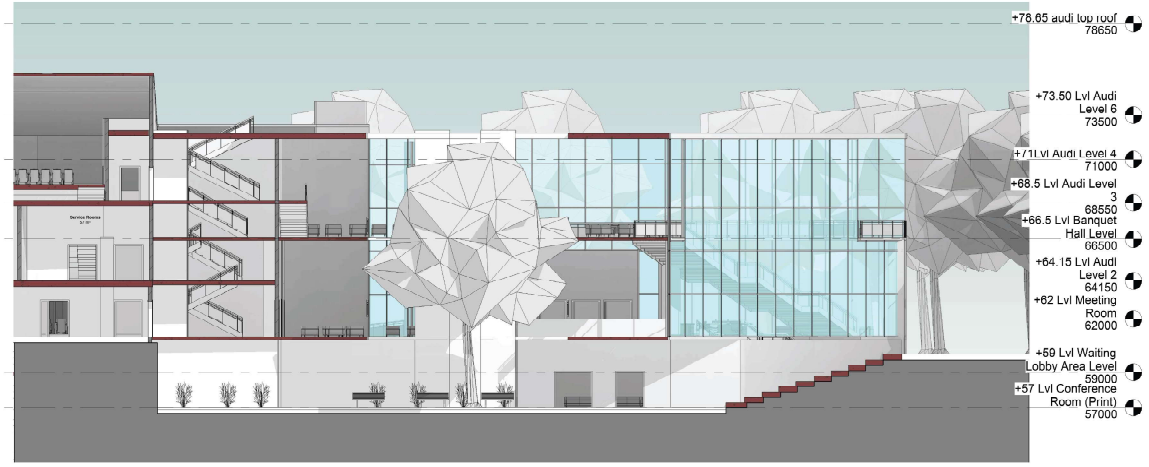
N

VNIT NAGPUR BA19ARC041

Rushabh S Mahore

International Convention Centre Dona Paula, Goa

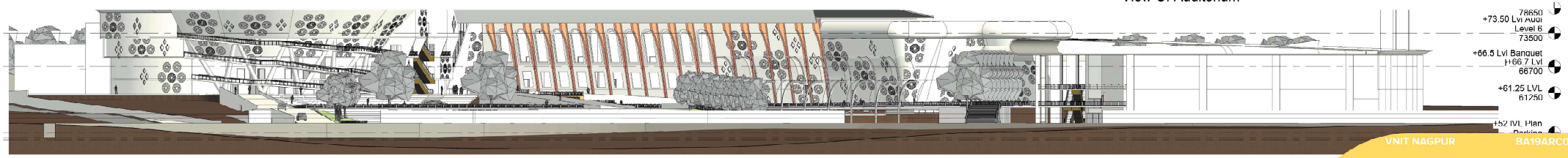




2 Section 2
1 : 150



View Of Auditorium



3 South
1 : 100

2. National Institute of Design



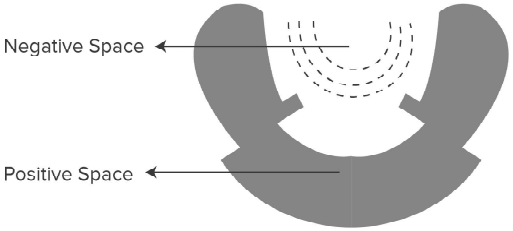
The national institute of design, a campus design project where i learned to integrate different activities and the connectivity within all the spaces. the main emphasize was given on the academic building and to the recreational spaces provided to the students, another thing which was considered was the entrances and exit to the departments and the parking facilities provided to them. from where there will be not any kind of collision between pedestrians and the vehicular movement.

Yin -Yang

(Balancing the Different activities)

- A theory Based on the principles of balance.
- In the institution like (NID'S) two activities are necessary.
  1) **Academic** (Where students gains formal knowledge)
  2) **Informal Spaces** (Recreation Spaces)

So to satisfy the both needs, the plan is moulded according to it.



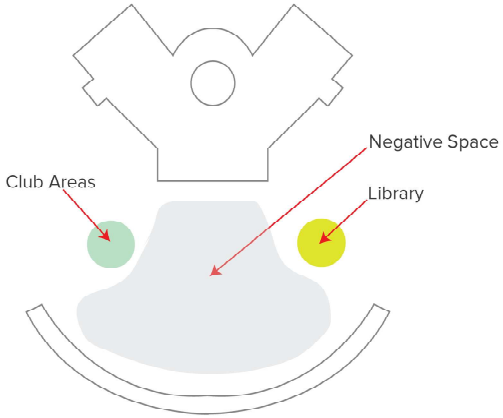
YIN

1) Academic
2) Administration
3) Library
4) Hostel
5) Vehicular

YANG

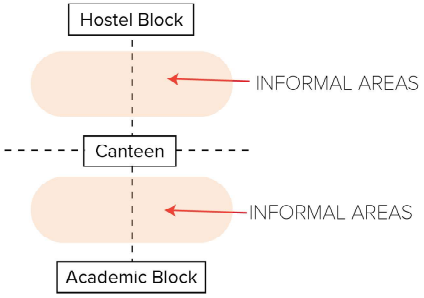
1) Informal Spaces
2) Auditorium
3) Club Areas
4) Sports Area
5) Pedestrians

One Activity needs a place to sit and focus.
While other needs the free flowing Spaces.



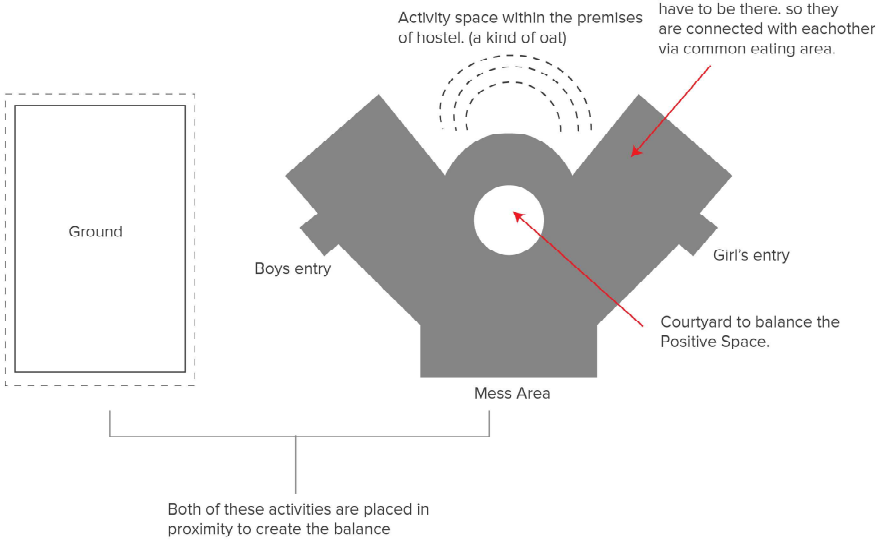
- What all things we will achieve by applying the concept.

2) Balanced Positive & Negative Space.
3) Balanced Built & unbuilt Spaces.
4) Greater Viewing & Visibility.



- Second thing is the accomodation area:-
  1) **Hostels**
  2) **Open field/ Sports Area**

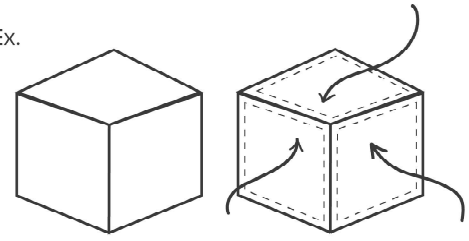
- One activity is resting while others comes a proactive thing.
- So they Are kept in proximity to the hostels.
- Eating togther provides an opportunity to the students to discuss informally and at comparatively relaxing space.



YIN- YANG principle will also be applicable in built mass :-

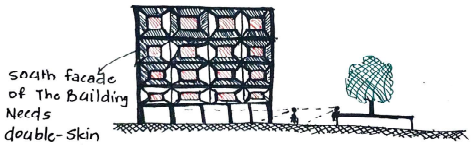
ex.
1) Built form & Vegetation
2) Positive and Negative Spacce
3) Light and shadow
4) Smooth & Rough (Texture)
5) Academics & Activities.

Ex.



(Unbalanced in terms of light and ventilation)

(Punctures ensures to have a balanced spaces)



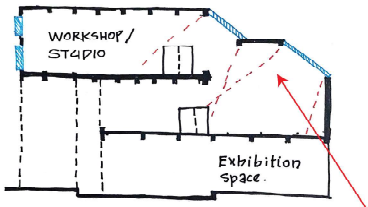
- Strong Axis Is there which has its focus in the informal areas indicating the importance of the informal area.

- Pedestrians & Vehicular Traffic is segregated. yet it is connected by the user friendly as the circulation space is kept minimal.

- (one activity is active and one activity is passive)

- Designing Strategies & Spaces :-

-(1) Natural Daylight to be there in studios & workshop.



-(2) Designers Need Semi-Open Space :-



- The design school is where right from Product Designing till furniture Design is there.

- The campus should Provide the students an Environment which is comfertable for them to perform certain Activities.

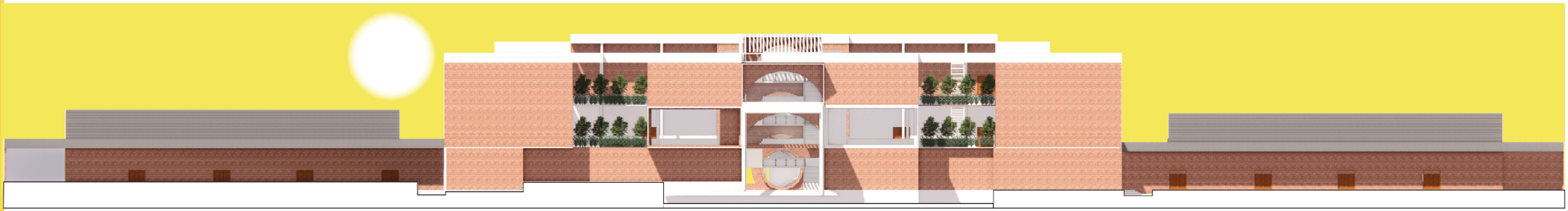
- Semi-open Spaces have to be there which can be better Community option in hot and dry conditions.

- Some of the Spaces are listed Below.

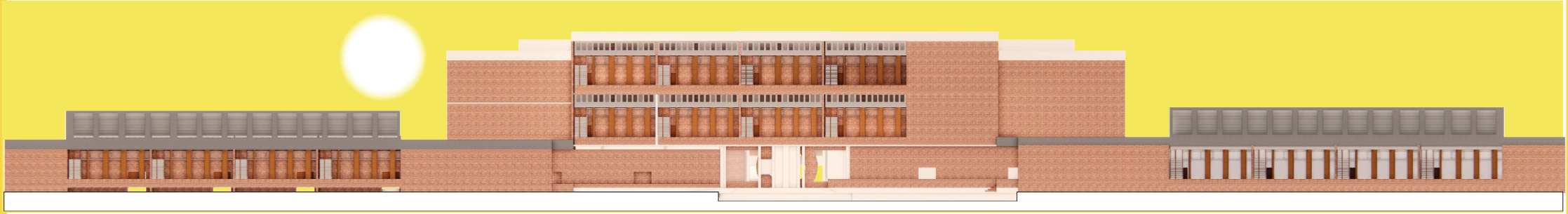
1) Space between two tall buildings.
2) OAT
3) Under the canopy of the tree.
4) Open Spaces on the Ground Floor (Without walls).

The studio Spaces can be made in such a way that it will catch the light (mostly coming from north) using the collapsible panels, or the louvers, or with the help of skylight.

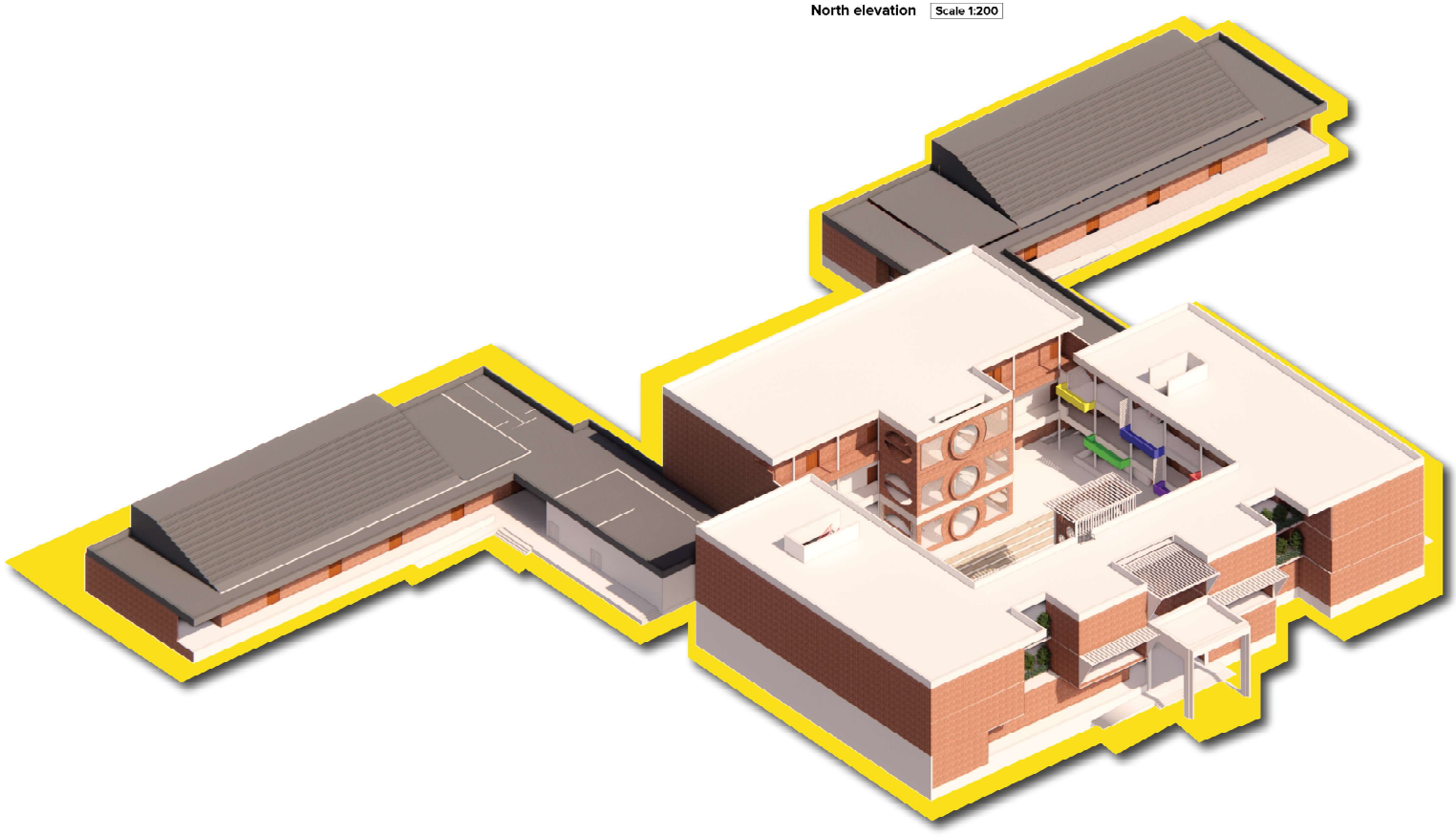
"Neither Pole is Superior, Increase in one brings corresponding change in other, and ultimately corrects balance and achieves the harmony.

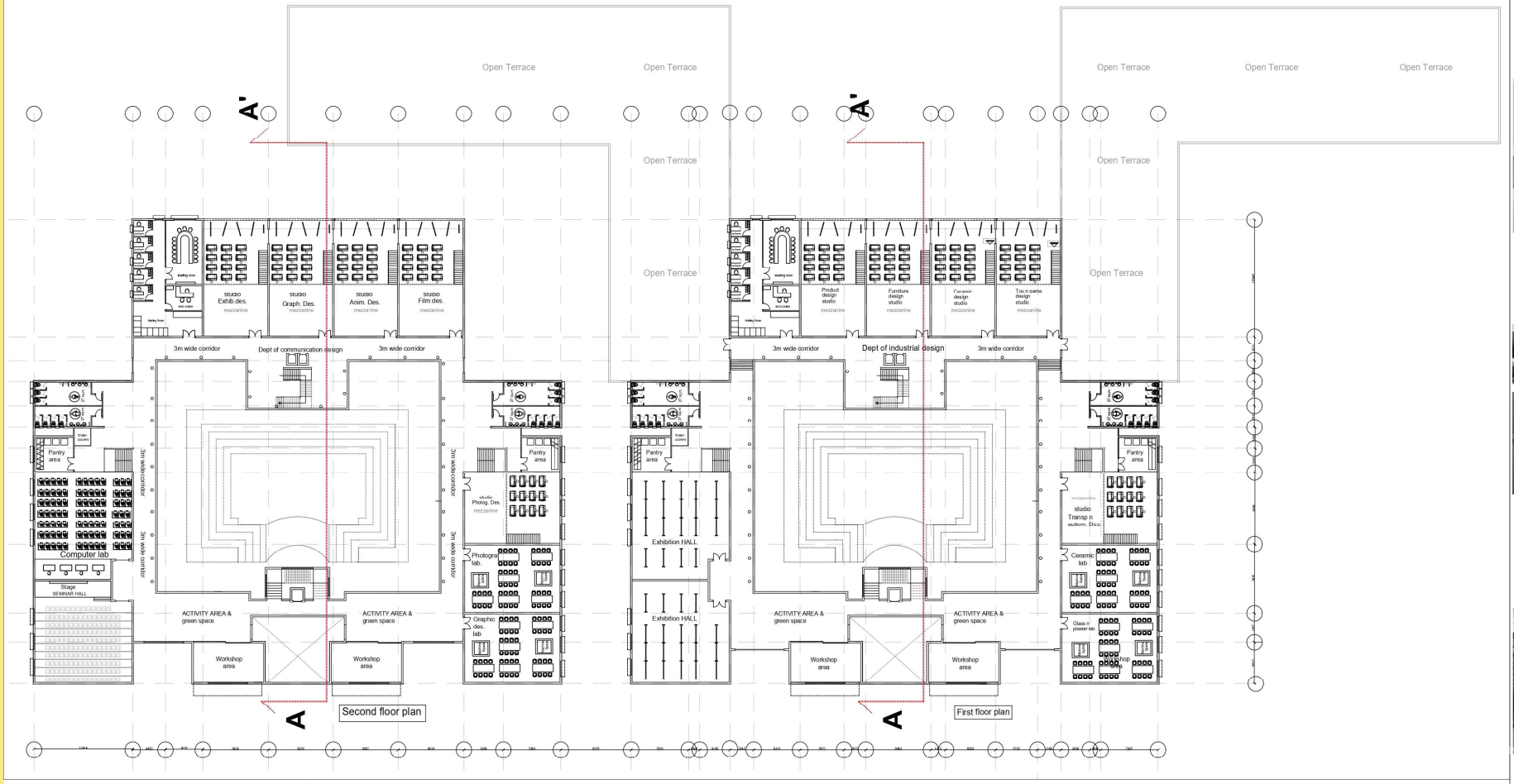


South elevation Scale 1:200



North elevation Scale 1:200







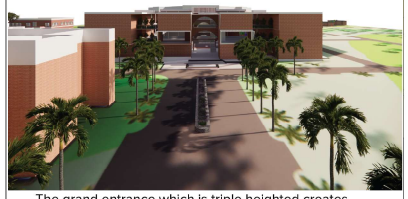
Courtyard inside the admin block which is an inward looking courtyard, which connects most of the academic spaces.



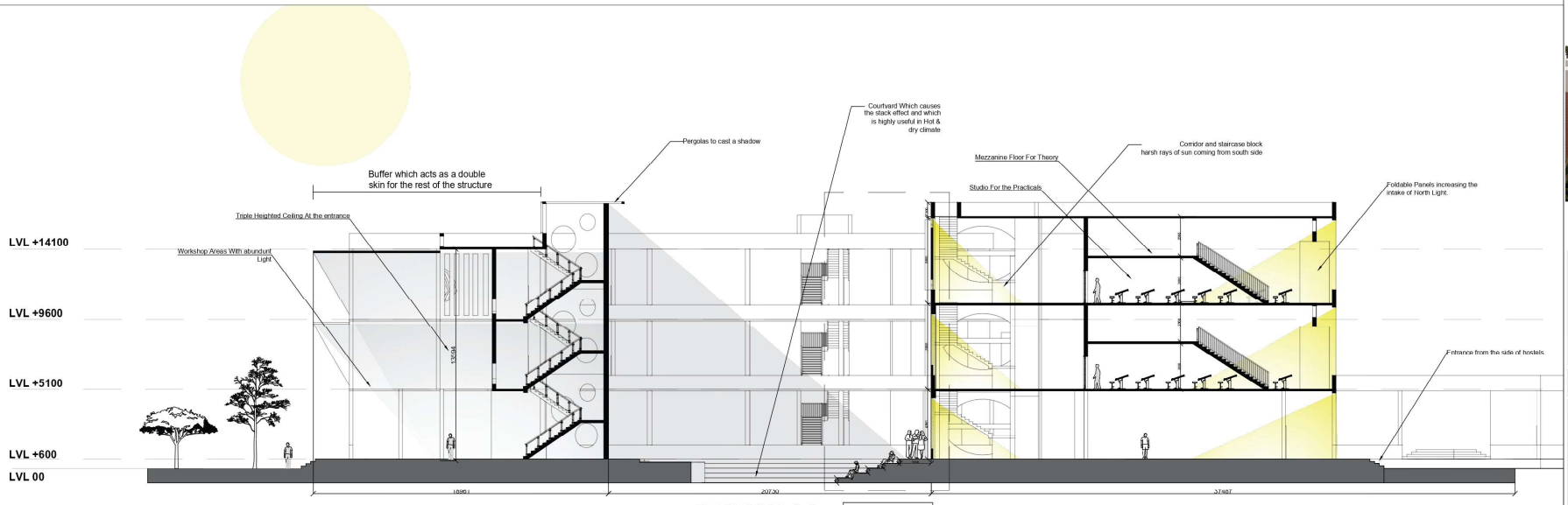
two huge staircase blocks showcasing the grandness and the sufficient light is coming through them.



Rear side of the academic block forms an interactive space within itself which gives students an opportunity to sit and discuss among eachother.



The grand entrance which is triple heighted creates grandness and a welcoming entry to the visitor.



SECTION AA Scale 1:150

N

Scale of Plan :- 1:250
Scale of Section :- 1:150
Scale of Detail :- 1:50
All Dimensions are in mm

Location:-Aurangabad, Maharashtra

Name-Rushabh Mahore
Roll- BA19ARC041
Architectural Desingn VI
Project Name- NID, aurangabad.

4. CORPORATE BANK INTERIORS



It was a project where we have to design a corporate bank interiors, considering the fact that the treatement provided to the customers will be premium, and it will be a customer centric design, where from entrance till the exit, it facilitates the users. even some innovative solution like collapsible doors to the atm, where it can opened in day time and closed when the bank will be closed have been considered. also the entrance has been made special with the decorated wall textures and the chandeliers. also the problem for standing in queue had been solved by providing seating at different places.

Concept and Materials

Rustic Style

Rushabh Mahore BA19ARC041

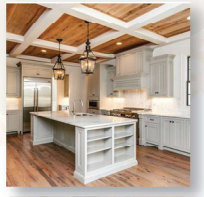
Rustic interior design represents a natural, rough, aged, and casual design style.

The category is broad and incorporates a range of variations on the style,

including Tuscan, coastal, cottage and modern rustic. Regardless of the variation, rustic style highlights rugged, natural beauty.

The style originated organically and evokes a sense of past times.

Concepts :-



The feeling of beams made with wood gives the feeling of to be in old building.



even the rustic piece of wood can be used in the middle of the pop frame.



the planter or be it any element it gets highlighted in front of textured whitewash brick.

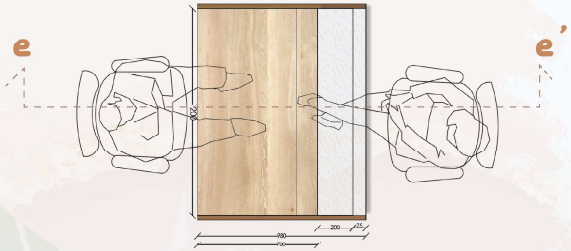
View 1



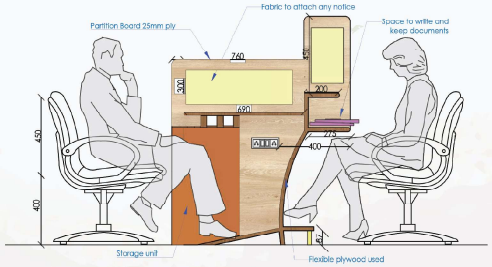
View of the desk







Plan (1:20)



Section ee' (1:20)

Materiaals used :

Flooring

Ash wood Texture

The ash wood texture is used in the tiles. as it is having a light wood texture it enhances the highlighting element.

Douglas Fir Texture

The Douglas fir texture is used in the ceiling the pattern of battern creates a sense of direction as well as gives the essence of different textures at once.

Trevertine Marble texture

Travertine marble (white is used for the tiles, where the pattern of tiles is changing from one material to the other, it is creating a sense of boundry.which allows to change the certain pattern.

Fabric Floor Mat

The fabric floor mat is used in the area of meeting room. where the space has to be more of a official look.

for walls

Slate texture

The slate texture is used in the walls near the entrance. this pattern along with the light golden color is creating a sense of richness at the entrance. where several chandeliers have been used.

Brick Whitewash

The Brick whitewash is used in the walls of the bank. which highlights any element be it a frame or be it a planter it completely richens the look of the element and its earier to emphasize on certain elements like that.

Reflected ceiling Plan

Scale 1:50

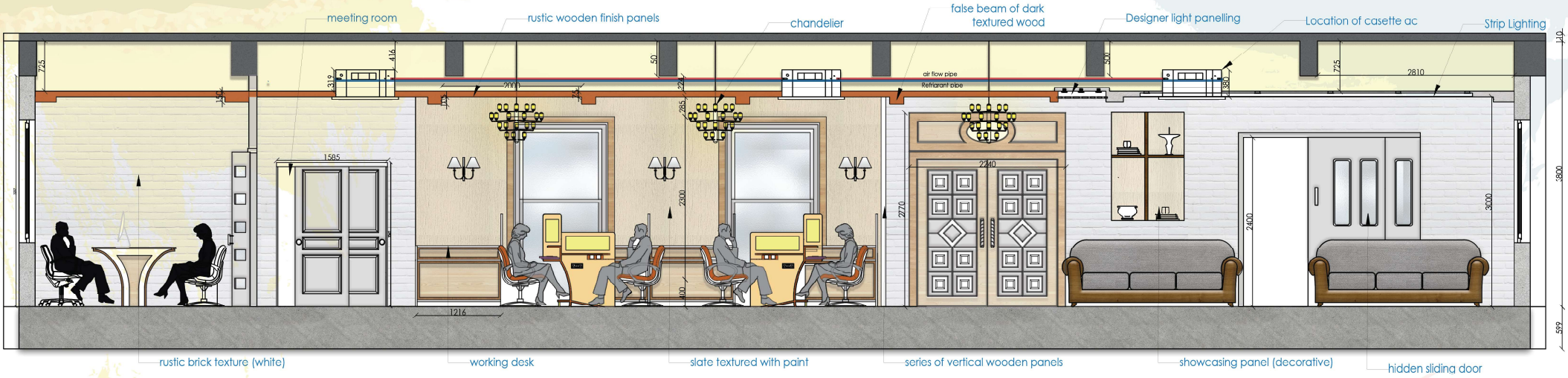
Rushabh Mahore
BA19ARC041



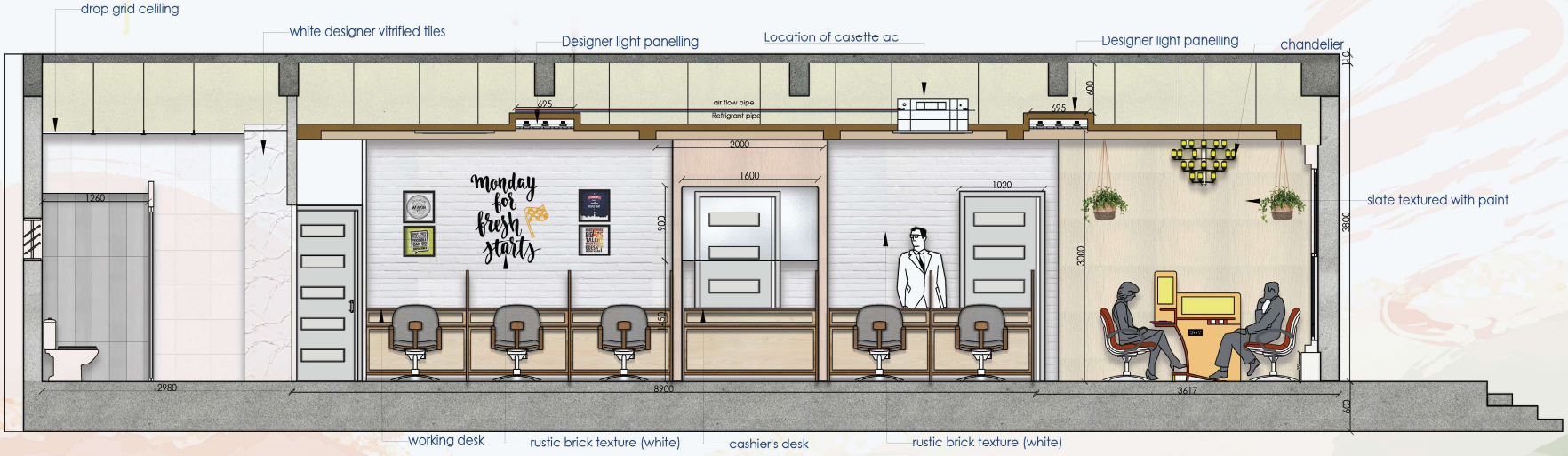
Sectional Elevations

Scale 1:40

Rushabh Mahore BA19ARC041



Sectional elevation AA'



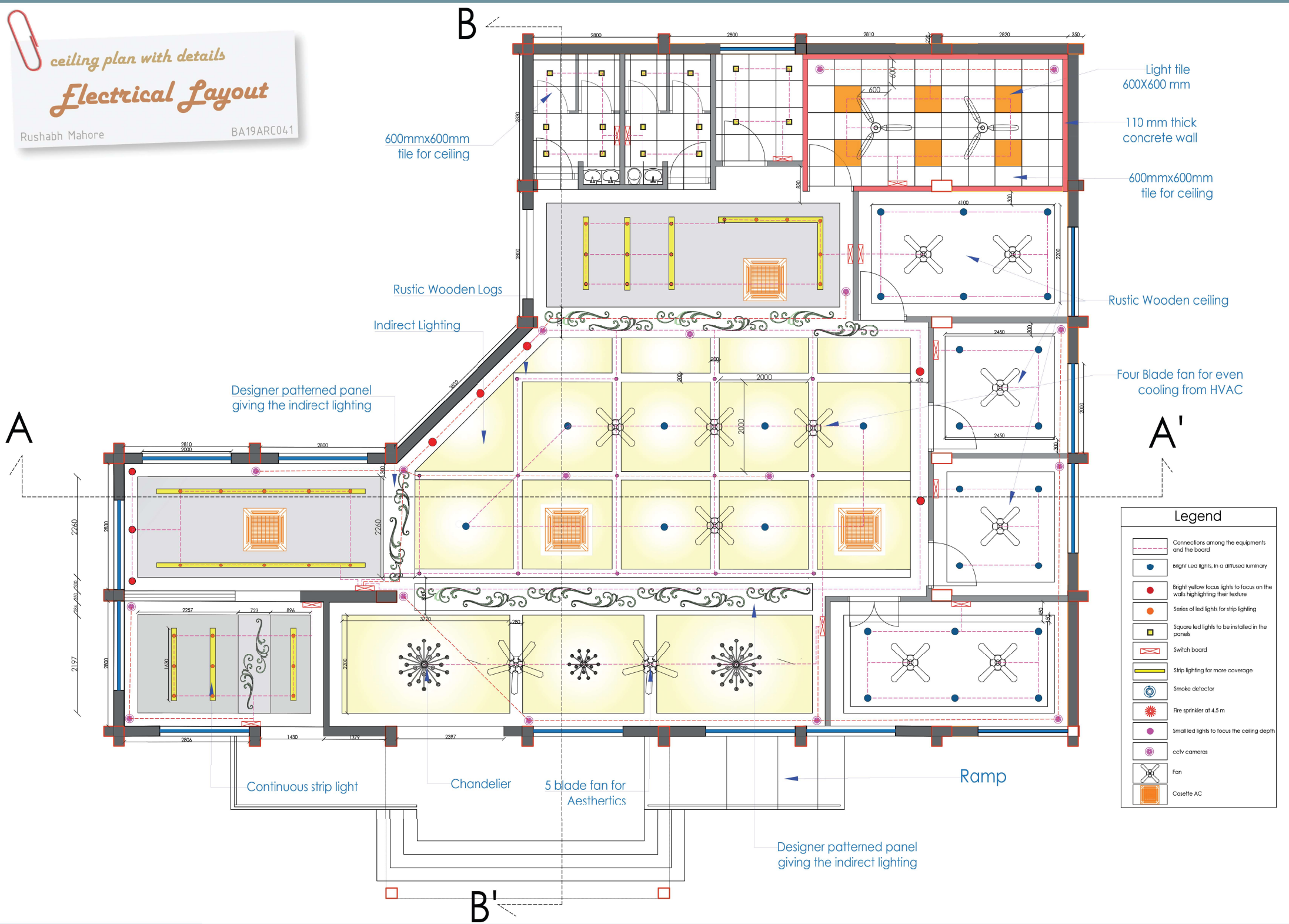
Sectional elevation BB'

ceiling plan with details

Electrical Layout

Rushabh Mahore

BA19ARC041




Flooring & Furniture plan
Rushabh Mahore
BA19ARC041
Scale 1:50
600mm X600mm vitrified white tiles
Generator room
Strong Room
Emergency Exit
More space in front of the Cashier
Area to service
1200 x1200 mm textured Oak wood finish tiles
Cashier
Assistant Managers
Waiting lobby for vip
Managers cabin
travertine white marble textured
1200 x1200 mm textured dark Oak wood finish tiles
Black gray fabric mat
ATM
Pivotal door
3045
3049
3048
3059
3052
3057
3042
3051
3067
350

5. LANDSCAPE DESIGN (Market Place)



The Landscaping Project was challenging in a way that, the selected site is located in the core area of the nagpur. sitabuldi, the core market place of the nagpur where, the segregation of the pedestrian and the vehicular traffic was the most important part. along with the providing greenery and the [ublic interaction space was also essential requirement of the site. so the theme Highlight, organize, and make the place lively was made, accoding to which the whole project was designed.

Theme & Concept

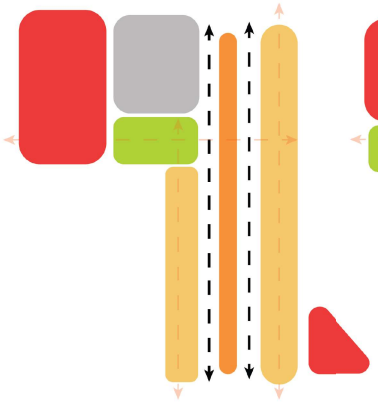
Theme:- Highlight. Organize. make the place live.

The Most Important market place of nagpur should have its identity.

1) Highlighting the Streets as they can be viewed from metro and the flyover also.
2) Creating Sense of liveliness with the trees. as the place has no carbon sink.
3) create ordered and organized Market places by making the even edges and level differences, which will segregate the pedestrians and the vehicular traffic.

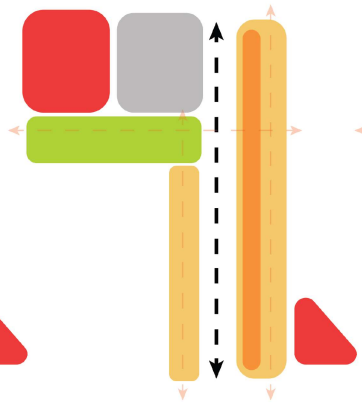
Concept diagrams :-

Option 1



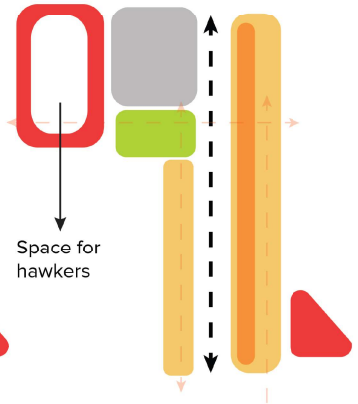
In this the edges are of equal size and the seating is in between the vehicular circulation. the green seating space is smaller in size and the community area is situated in the whole courtyard.

Option 2



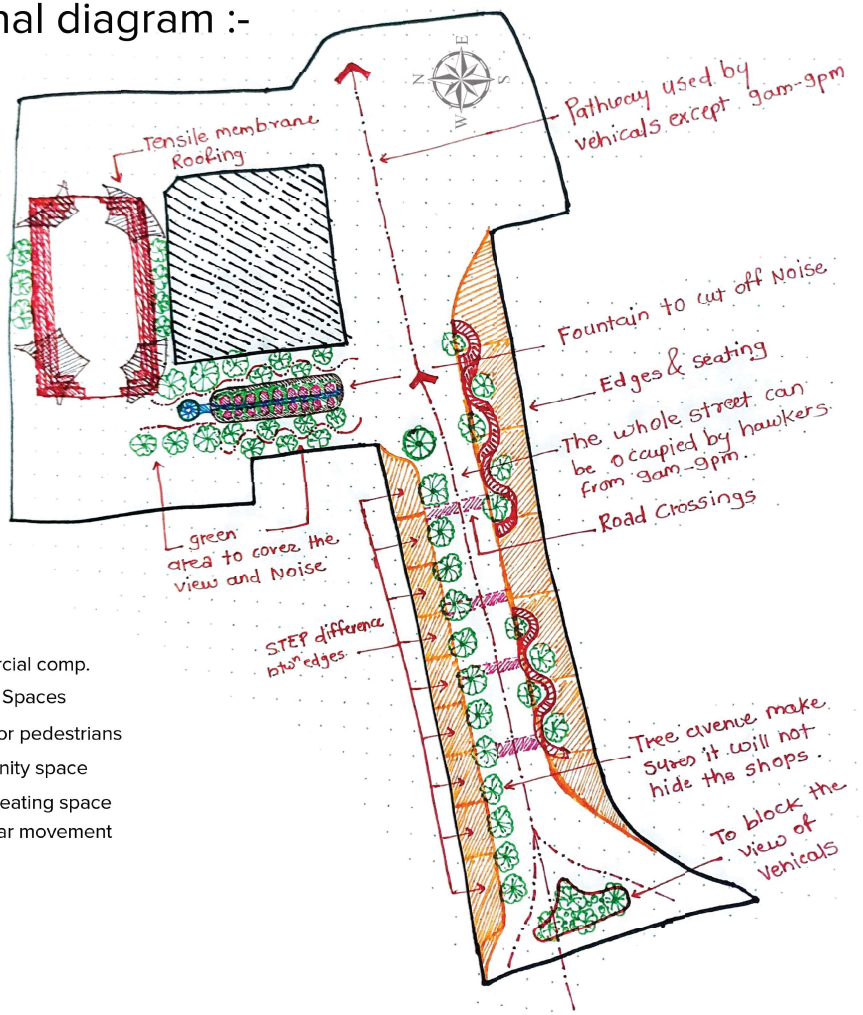
The right edge is more in terms of width and so the seating is situated to the right side. rest of the road is used by vehicular and the hawkers. the green seating space is more comparated to the community seating.

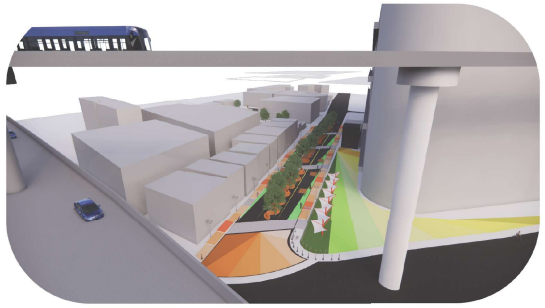
Option 3



In this type the hawkers are shiftec to the central space of the community space and rest of the places are similar to the option 2.

Functional diagram :-





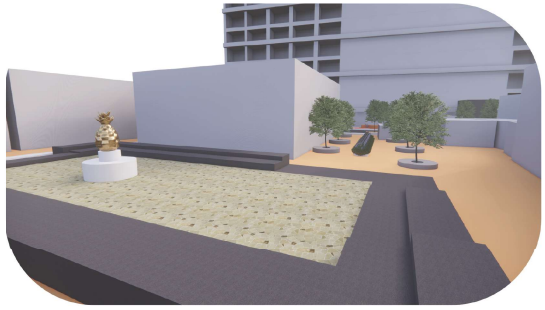
The place will be easily identified even from above the flyover and the metro lane due to its pavement patterns. and so the place itself will get a new identity.



The place will be organized after making seperate lanes for pedestrians hawkers, and the vehicals. also in the current scenario seating spaces ai not present which also will be situated on the wider edge to make the p more abundunt of predestrian from various user groups.



During the maket hours, the hawkers can utilise the space between the edges from 9am-9pm, but during other hours the loading and unloading of the things can happen for the shopkeepers which is essential for them



The courtyard can be utilized for the community place where several different events can happen which has steppec seating spaces, also in alternation to it during the festive season the courtyard can also be used by the vendors.

The Developed Site Plan

Sitabuldi.



3000 mm | 3000 mm | 8000 mm | 5000 mm | 5000 mm

This buffer area is for the buyers to enter into the shops.

The left edge of the street will only be limited upto the pedestrians where the slender trees will cast a shadow.

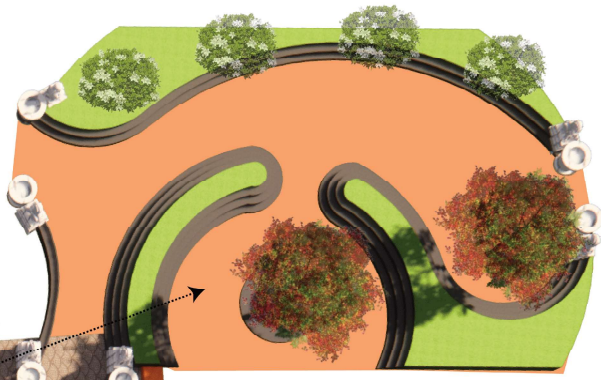
The centre part of the road is used for the hawkers during the daytime. which is further demarkated for the two different kinds of hawkers.

The Right edge of the street is used by the pedestrians where seating place is included. which has a dence canopy of neem and gulmohar tree which shades them entire day.

This part of the road will be used by the restaurant people where the outdoor dining can be provided.



Profile of the Road



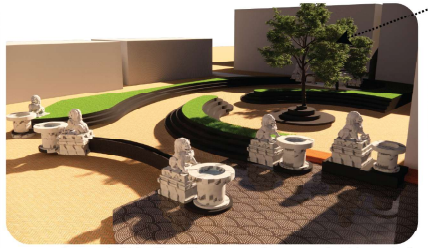
The strategy is to convert it into a pedestrian street during the day while allowing loading and unloading vehicles during the late-night hours.

Introducing green cover throughout the street and incorporating small pause points, street vendors to create a comfortable space for the public.

The central part of the street will have the activities while leaving the shops fronts open for better interaction with the public.

The central strip will have a mix of spaces for street vendors, pause points and food stalls for the people to move through it.

Additionally, the entrance, central & exit plaza will help give an identity to the space and maintain continuity till the end. The interaction nodes will help reduce the fatalities at the junctions. The canopy will provide shade and comfort for the people to move around on the street.



Courtyard which will acrt like a community space and which can also be used by the sellers during the time of festivals.



The Seating Space which is cloasd with the baricades. so that the user will feel safe from hawkers and which will act as a relaxing element for them while seating in the canopy of tree.



Seating Spacees on the right edge



The view which the people will get of mahadwar from the side of oat

The street without the hawkers will look like this where the street is 8m wide and can be also used for the loading and unloading purpose. which has a good apperance because of the side railings which encorporates the elements of the mahadwar.



The materials used on the street are derived from, Heritage of the city and comfort of the users. The vegetation for the street will be native from the forest around the city and vegetation from the city.
Stones like basalt sandstone found locally will be used for paving and street furniture.

It is very important to select the material which is familiar to the citizens and provide them with a comfortable space.

Different sizes of trees are used in different areas to cater to the requirements of the space. Larger open spaces have wide canopy trees to provide maximum shade for people to sit below them and spin some quality time. Similarly with the understory grasses where the public access is allowed and shrubs and hedges to protect the trees in some spaces. The paving material is kept the same with a different colour to demarcate the difference in hawker spaces and walkways. The views show how streets behave throughout the year.

Current situation of buldi



Clear distrivution of hawkers and persetrians

Level Difference of 100 mm for pedestrian circulation to avoid hawkers along the edges of the path.

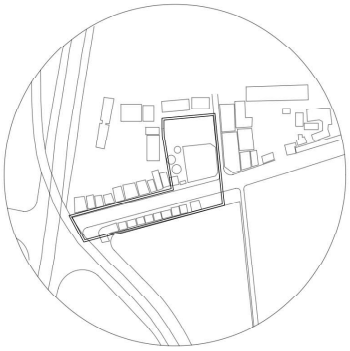
Place for Hawkers



Element used while making ballustrades.

The railing which is used for the road is made using the elements of the mahadwar. which emphasizes the mahadwar and gives the street and identity. the material used for the railing is sandstone whicch is the same material of mahadwar.





Key Plan

Vegetation Inventory (TREES)

Sr.no	Symbol	Name	c to c distance (in m)	Height (in m)	No.s
1.		Delonix Regia	20m	5m-12m	13
2.		Plumeria obtusa	4m,6.5m, 12m	3m-4.6m	34
3.		Bambusa Vulgaris	1.6 m	10m-15m	22

Vegetation Inventory (SHRUBS)

Sr.no	Symbol	Name	c to c distance (in m)	Height (in m)	No.s
1.		Ixora chinensis	2m	1m 1.6m	17
2.		Tecoma stans	2m	1m-1.5m	14
3.		Hibiscus rosa-sinensis	4.4 m	10m 15m	19
4.		Buxus	0.8 m	0.3m-1m	25

Material Legend

Sr.no	Symbol	Area where it is used (Material)	Area (Sq.m)
1.		Edges of the road (Yellow sandstone with shades of orange color same material a mahadwar)	1192 sq.m
2.		Main Road (Basalt Stone Paving)	1409 sq.m
3.		OAT(with the Grass)	224 sq.m
4.		Side by shops Pavement (with red paver blocks)	1460 sq.m
5.		Front of Mahadwar and OAT (Special patterned sandstone pavement)	490 sq.m
6.		Crossings of Road (Grey Pavement Block)	68 sq.m
7.		OAT seatings (Dark Granite)	153 sq.m
8.		Front of mahadwar (Mosaic stones)	154 sq.m

Lighting Legend

Sr.no	Symbol	Description	Quantity
1.	L1	Street Light	08
2.		Post Lamp	28
3.	L3	Bollards	30
4.	L4	Focus Light	06
5.	L5	Indirect Light	08
6.	L6	Bollards	09

Seating bench dimensions

LOCATION - (SITABULDI AREA) **NAGPUR, MAHARASHRA**

NAME : RUSHABH S MAHORE

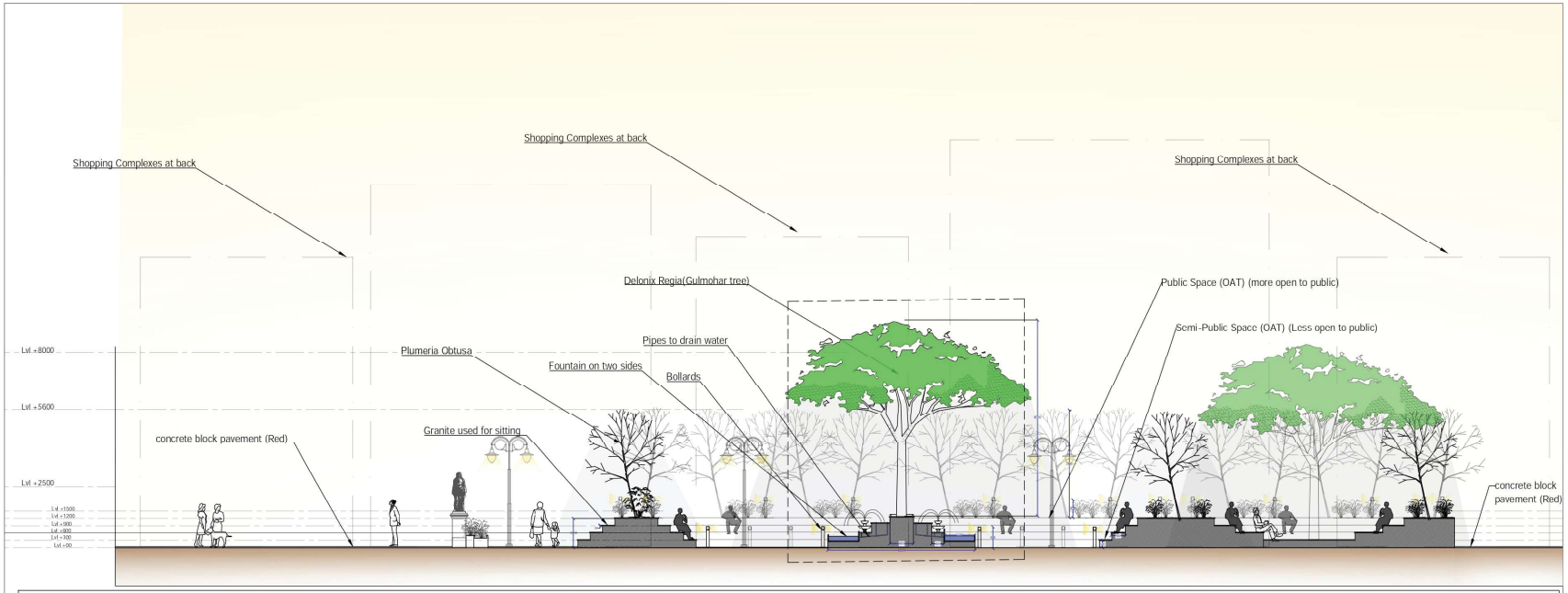
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Scale - 1:500

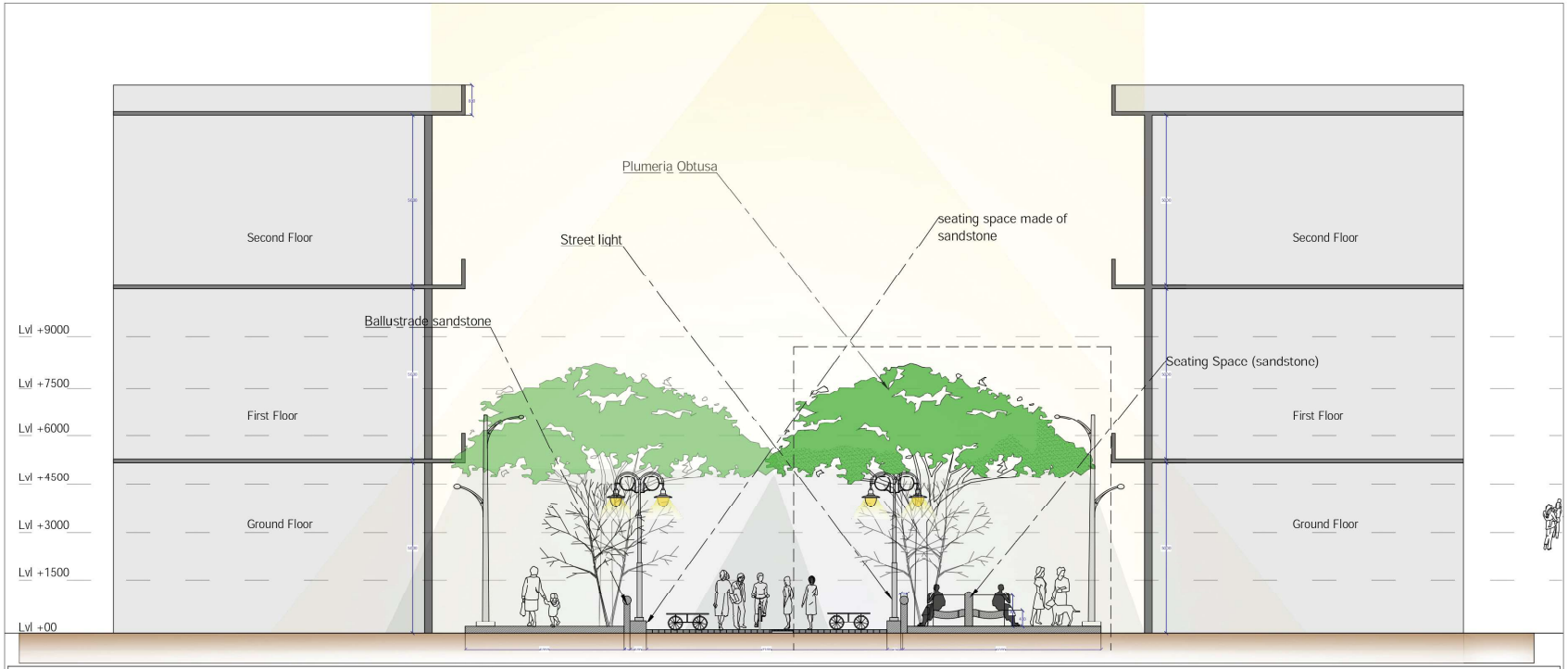
Landscape Design

MASTERPLAN

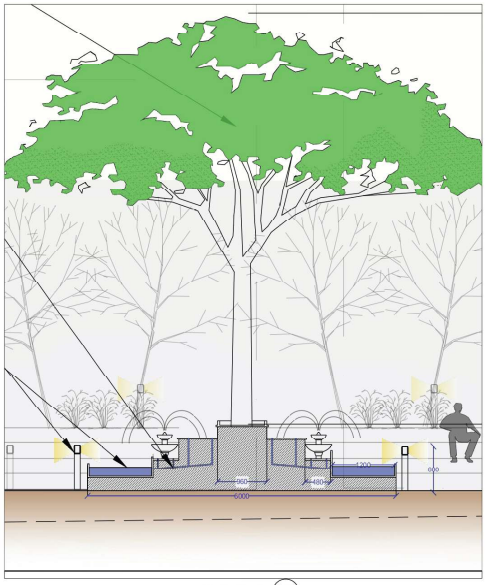
Typology- Market Place



Section AA'



Section BB'



Detail at (A1)
Scale 1:50



Detail at (B2)
Scale 1:50

LOCATION - (SITABULDI AREA) NAGPUR, MAHARASHRA

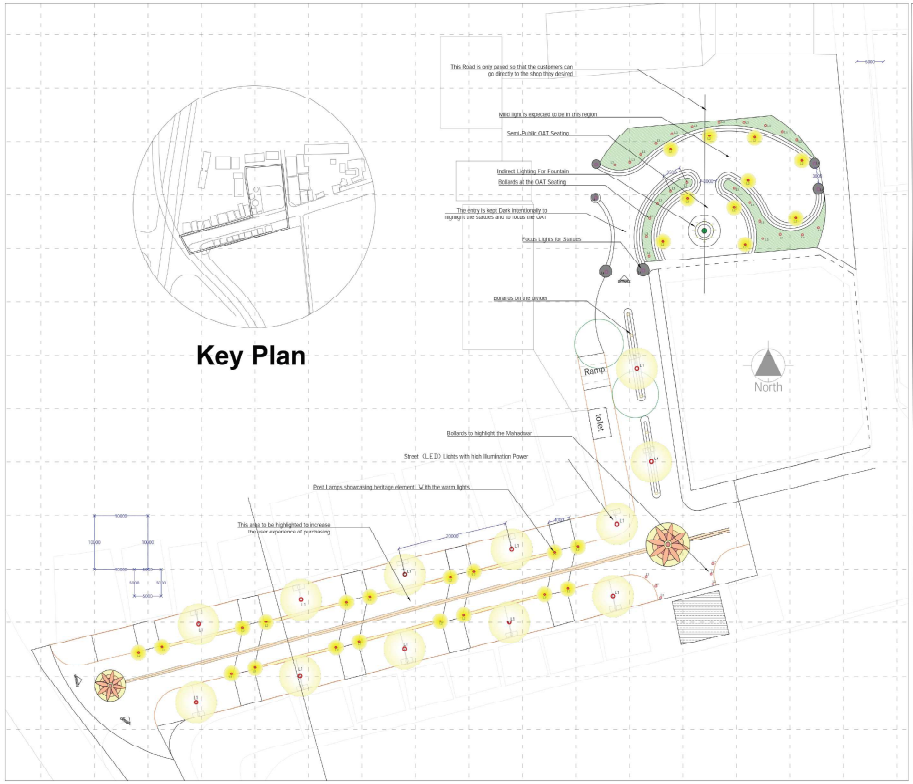
NAME : RUSHABH S MAHORE
ENROLL NO : BA19ARC041

Scale - 1:200,1:150

Landscape Design

Sections AA' & BB'

Typology- Market Place



REJUVENATING THE HERITAGE OF NAGPUR.

The lighting here is done in two ways- one is useful for Market place and other for the Courtyard, also lighting here is not only doing the work of lighting the area but also due to its aesthetical aspects it is also helping to showcase the heritage of mahadwar which was lost in the landscape of the market place. In the market area the lighting is abundant while in the courtyard the sense of darkness is there to maintain the privacy levels of occupants.

L1 light



The main street light with high illumination will be for the market area, specifically where the OAT'S will be present, so as to balance the area making it easy for the customers and the seller. the lux power should be more than 400 lux.

L2 light source



L2 light source is showcasing and complimenting the heritage landscape because of its aesthetics and look. It is adding effect of decent lighting effect to the balustrades present in the backround. at the same time illuminating the entire corridor with the warm lights.

L3 light source



L3 light source which is a type of bollards, and which is present in the OAT where it is focusing the lawn present in the rest. It is adding a mild effect of lighting to the landscape, at the same time burning less to the people's eyes by producing a limited amount of light.

L4 light source



L4 light source which is a type of focus light, which is mainly used for highlighting the statues present at the entrance of the tau, the placement of these lights is kept away from where lights so as the focus will stay on the statues

L5 light Source



L5 light source which is a recessed light source, which is present in the fountain at the semi circle tar, which is in the form of a circular public space, which ensures the due lighting in that area and maintaining the warmth in the fountain.

Lighting Legend

Sr.no	Symbol	Description	Quantity
1.		Street Light	08
2.		Park Lamp	28
3.		Bollards	50
4.		Focus Light	06
5.		Indirect Light	08
6.		Bollards	09

LOCATION - ISTABULDI AREA) NAGPUR, MAHARASHTRA

NAME : RUSHABH S MAHORE

ENROLL NO : BA19ARC041

Scale - 1:500

Landscape Design

LIGHTING LAYOUT PLAN

Typology Market Place



Vegetation Inventory (TREES)



Delonix Regia



Plumeria obtusa



Bambusa Vulgaris

Vegetation Inventory (SHRUBS)



Ixora chinensis



Buxus



Tecoma stans



Hibiscus rosa-sinensis

Vegetation Inventory (TREES)

Sr.no	Symbol	Name	Girth distance (in m)	Height (in m)	Nos
1.		Delonix Regia	20m	9m-12m	13
2.		Plumeria obtusa	4m-5.5m	5m-6.6m	34
3.		Bambusa Vulgaris	1.6 m	10m-15m	22

Vegetation Inventory (SHRUBS)

Sr.no	Symbol	Name	Girth distance (in m)	Height (in m)	Nos
1.		Ixora chinensis	2m	1m-1.5m	17
2.		Tecoma stans	2m	1m-1.5m	14
3.		Hibiscus rosa-sinensis	4.4 m	10m-15m	19
4.		Buxus	0.6 m	0.3m-1m	25

LOCATION - (ISTABULDI AREA) NAGPUR, MAHARASHTRA

NAME : RUSHABH S MAHORE

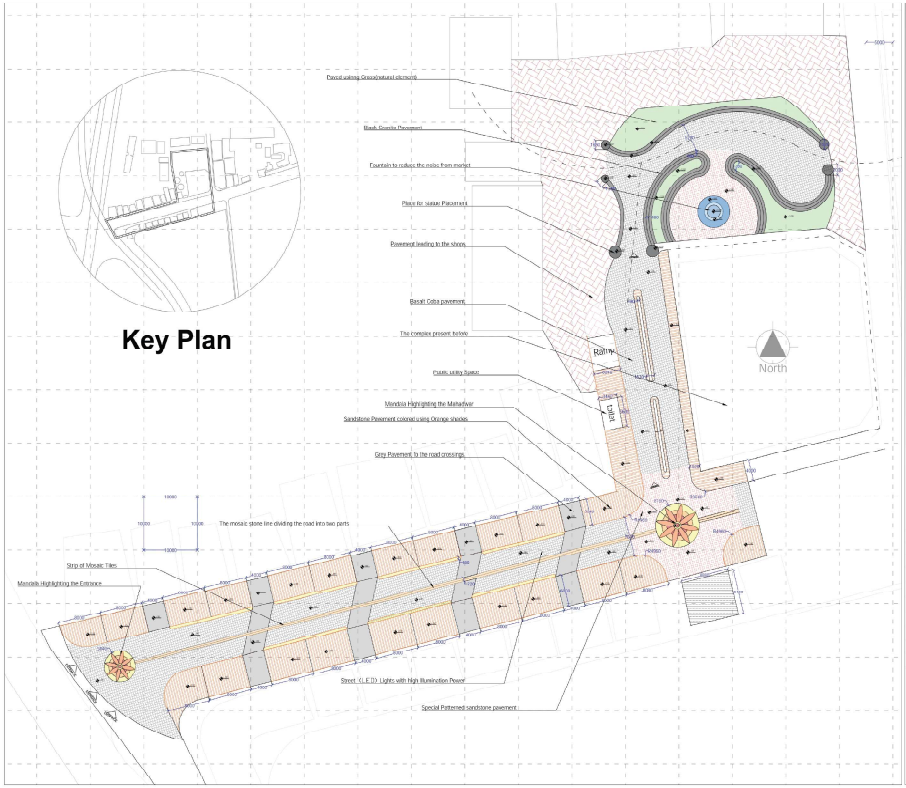
ENROLL NO : BA19ARC041

Scale - 1:500

Landscape Design

VEGETATION LAYOUT PLAN

Typology- Market Place





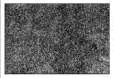
Front of mahadwar (Mosaic stones)

As for highlight, the mahadwar, the special type of mandala is being used, which is made of stone pebble which grabs one's attention towards this historic gate.



Side by slope Pavement (with red paver blocks)

The most widely used material for paving, the red concrete pavement which is used for connecting the shops, the entrance steps, and is a way out towards the customer base which before redevelopment was there.



OAT Seatings (Dark Granite)

Dark granite is used for sitting spaces in an stepped seating in the courtyard, it is the best material for choosing, as it is useful places when we have to keep something place



Main Road (Basalt Stone Paving)

Basalt stone paving is used due to its durability, also with the intention to have a friction when pedestrians are moving over it, at the same time it will not hamper the movement of the hawkers over the place.



Edges of the road (Yellow sandstone with shades of orange color same material + mahadwar)

Yellow sandstone is used for pavement of the pathway for pedestrians, which leads to mahadwar, it is used due to its durability and resemblance to the material used for making mahadwar



Front of Mahadwar and OAT (Special patterned sandstone pavement)

To grab one's eyes to the place and to demarcate the position of mahadwar, change in the material and the pattern is done to highlight it.

Material Legend

Sr.no	Symbol	Area where it is used (Material)	Area (Sqm)
1.		Edges of the road (Yellow sandstone with shades of orange color same material + mahadwar)	1107 sq.m
2.		Main Road (Basalt Stone Paving)	1409 sq.m
3.		OAT'swith the Grass	224 sq.m
4.		Side by slope Pavement (with red paver blocks)	1460 sq.m
5.		Front of mahadwar and OAT (special patterned sandstone pavement)	490 sq.m
6.		Crossings of Road (Grey Pavement Block)	68 sq.m
7.		OAT seatings (Dark Granite)	153 sq.m
8.		Front of mahadwar (Mosaic stones)	154 sq.m

LOCATION - (ISTABULDI AREA) NAGPUR, MAHARASHTRA

NAME : RUSHABH S MAHORE

ENROLL NO : BA19ARC041

Scale - 1:500

Landscape Design

MATERIAL LAYOUT PLAN

Typology- Market Place



Vegetation Inventory (TREES)



Delonix Regia



Plumeria obtusa



Bambusa Vulgaris

Vegetation Inventory (SHRUBS)



Ixora chinensis



Buxus



Tecoma stans



Hibiscus rosa-sinensis

Vegetation Inventory (TREES)

Sr.no	Symbol	Name	Girth distance (in m)	Height (in m)	Nos
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2.		Tecoma stans	2m	1m-1.5m	14
3.		Hibiscus rosa-sinensis	4.4 m	10m-15m	19
4.		Buxus	0.6 m	0.3m-1m	25

LOCATION - (ISTABULDI AREA) NAGPUR, MAHARASHTRA

NAME : RUSHABH S MAHORE

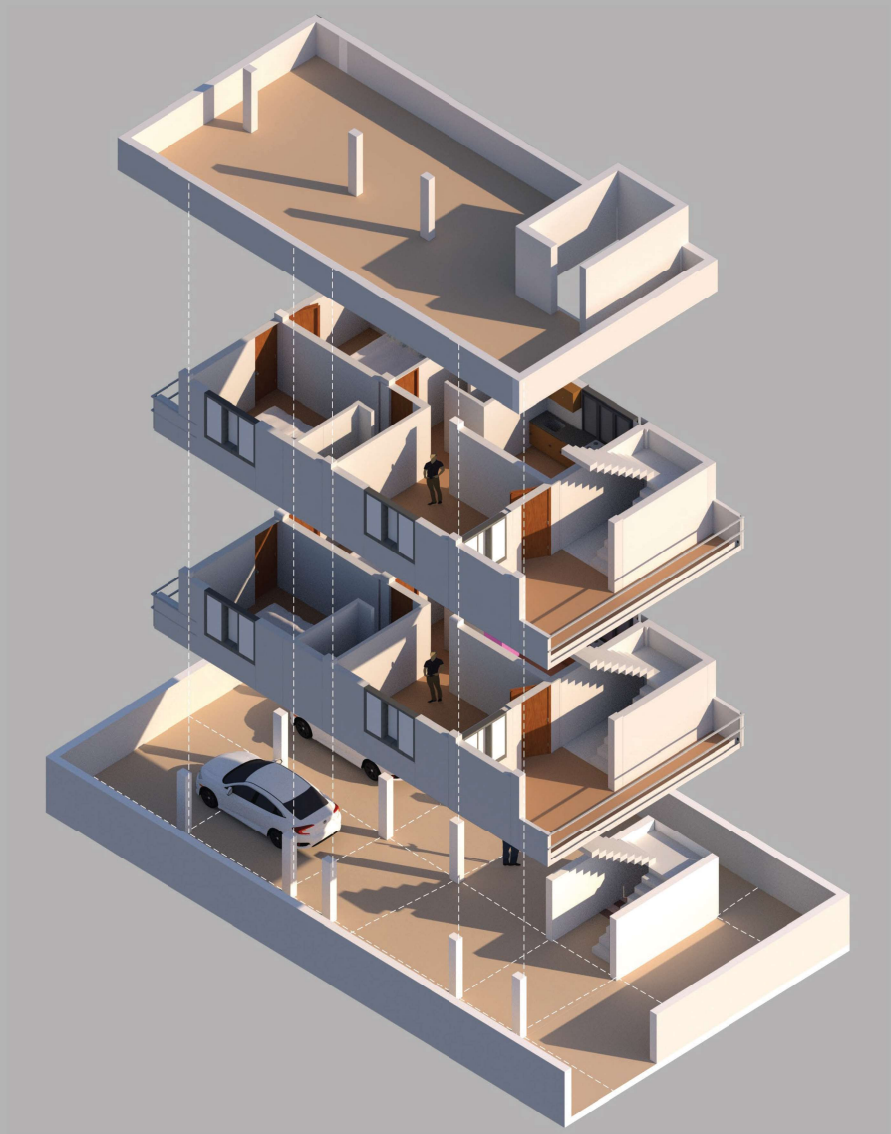
ENROLL NO : BA19ARC041

Scale - 1:500

Landscape Design

VEGETATION LAYOUT PLAN

Typology- Market Place

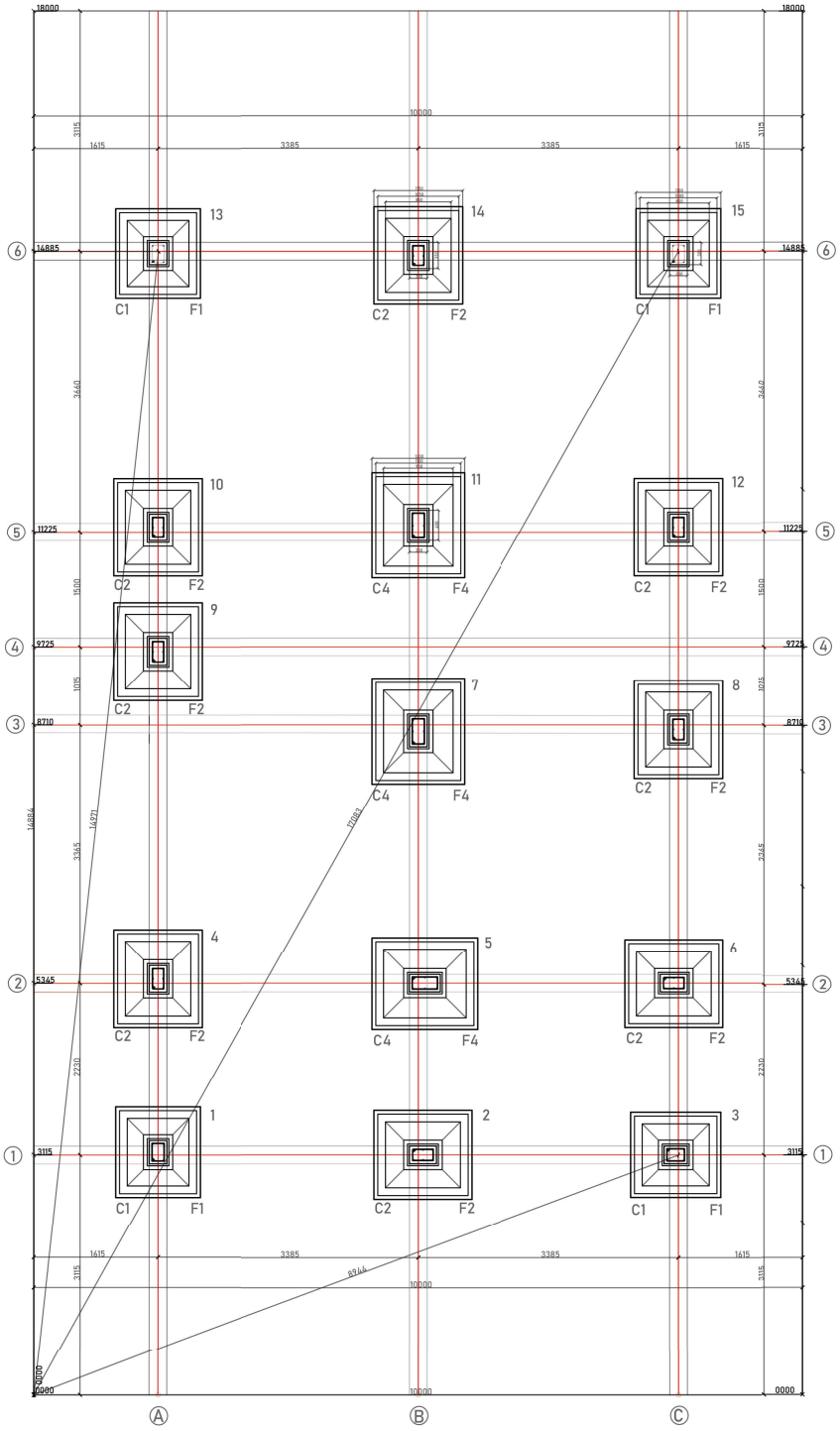


6. Working Drawings

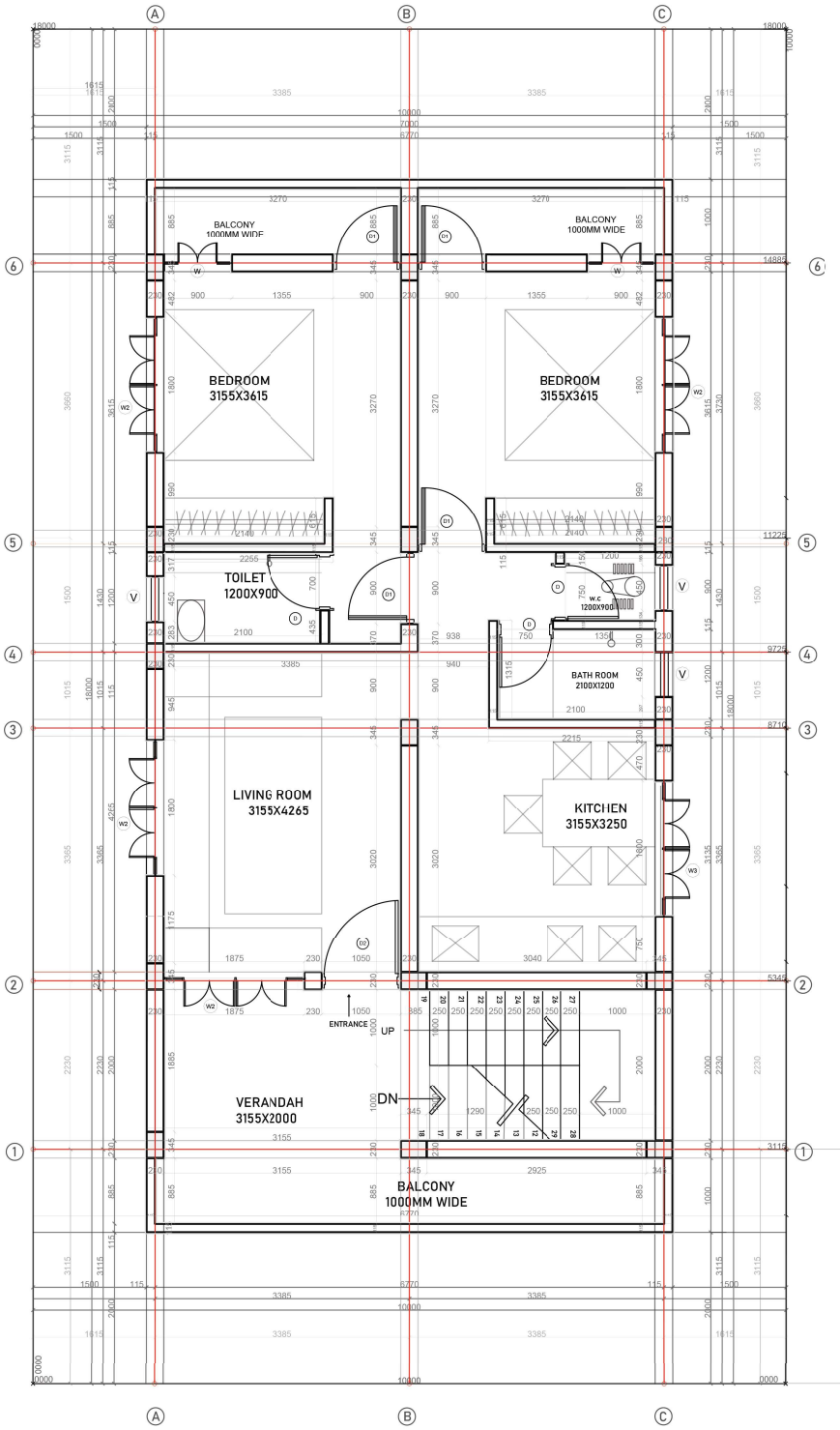
Typology :	Residential Project
Location :	Nagpur, Maharashtra
Semester :	V & VI
Year:	2021-2022
Type:	Academic
Mentor :	Dr. Vilas Bakde

The Objective of the Project was to Create Working/construction Drawings for a residence in Nagpur, Maharashtra with a permissible built up area of 180 sq.m. it also includes details of footings, staircase, Kitchen, toilet, compound Wall and site development as well as services layout such as electrical, plumbing and sanitary layout.

Site : Plot No. 64, Rachna CHS Khasra No. 82/2 Mouza, Somalwada, Nagpur, Maharashtra



Footing Layout



FIRST FLOOR PLAN

SCHEDULE OF OPENINGS

DOORS

D	750 X 2100	PLYWOOD FLUSH DOOR WITH WATERPROOF FACING / SINGLE SHUTTER	3
D1	900 X 2100	TEAK WOOD DOOR / SINGLE SHUTTER	4
D2	1050 X 2100	TEAK WOOD DOOR / SINGLE SHUTTER	1

WINDOWS

W	900 X 1350	TEAK WOOD WINDOW /GLAZED/ DOUBLE SHUTTER	2
W1	1800 X 1200	TEAK WOOD WINDOW /GLAZED/ FOUR SHUTTER	1
W2	1800 X 1350	TEAK WOOD WINDOW /GLAZED/ FOUR SHUTTER	4

VENTILATORS

V	450 X 900	HALF GLAZED AND HALF LOUVERED	3

BRIEF SPECIFICATIONS:

STRUCTURE
RCC FRAMED STRUCTURE AS PER STRUCTURAL DESIGN & DRAWING

WALLING□
230MM THICK BRICK MASONRY WALLS IN CEMENT MORTAR AND PARAPET / RAILING IN 230MM THICK BRICK MASONRY IN CEMENT MORTAR.

FLOORING
FLOORING MARBLE TILE,GREEN KOTA FLOORING & SKIRTING FOR TOILET CERAMIC TILES FLOOR & DODO PLATFORM IN CERAMIC TILES.
UPTO LINTEL FOR KITCHEN AREA DADO UPTO SILL LEVEL ON KITCHEN (SIZE 300X300)SKIRTING/DADO: SKIRTING RESPECTIVELY.
FLOORING TILES & DADO UPTO LINTEL OF CERAMIC TILES (300X300) FOR TOILETS & KITCHEN
DADO ABOVE PLATFORM UPTO WINDOW SILL IN CERAMIC TILES (300X300).

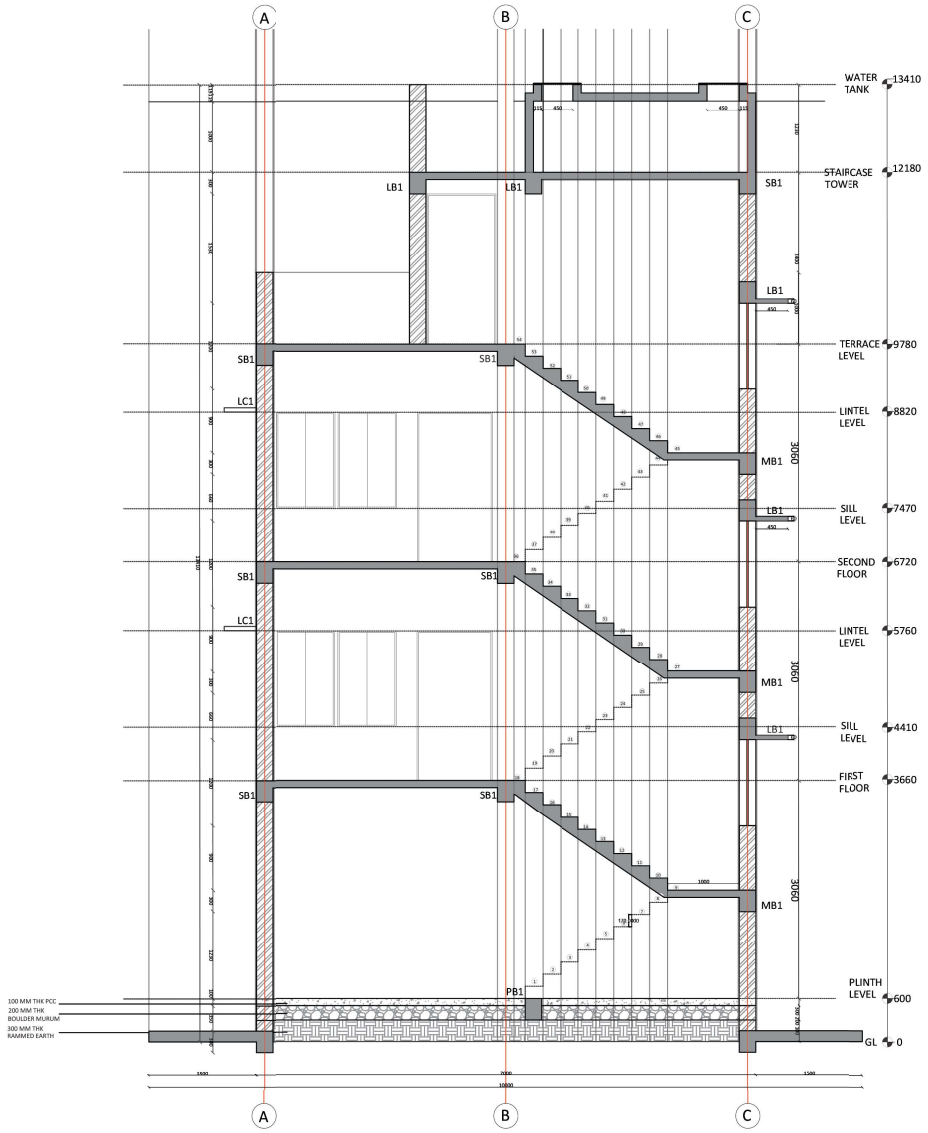
PLASTERING
EXTERNAL WALL SURFACES IN SAND FACED CEMENT PLASTER
INTERNAL WALL SURFACES CEILINGS FINISHED IN NEERU PLASTER.

ROOF SLAB
ALL FLAT ROOF SLABS IN RCC WITH INTERNAL FINISH WITH PROPER RAIN WATER DRAINAGE SLOPE AS PER TERRACE PLAN.

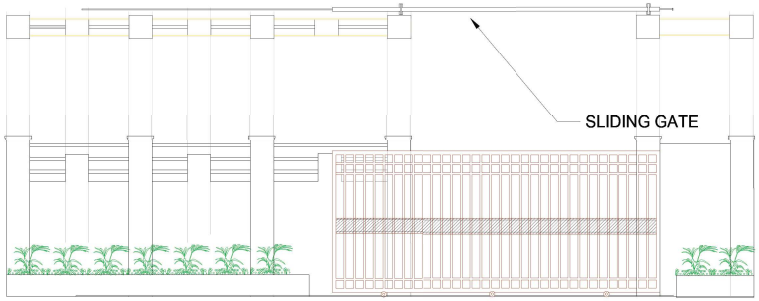
DOORS
ALL DOORS WITH WOODEN SECTION FRAME WITH WOODEN PANEL SHUTTERS AND DETAILS.

WINDOWS AND VENTILATORS
ALL WINDOWS T.W. PANELLED AND VENTILATORS WITH STANDARD MS2 SECTIONS CASEMENT TYPES. FULLY GLAZED/PARTLY FIXED/ PARTLY OPENABLE WITH MS GUARD BARS AS PER DETAIL AND DESIGN AND DESIGNS FULLY SECURED IN 50X75 WOODEN FRAME FOR ALL WINDOWS AND VENTILATORS & FIXED IN POSITION OF OPENINGS.ALL WINDOWS AND VENTILATORS WITH GLAZING IN MS SECTIONS ABOVE THESE OPENINGS PLACED IN POSITION BETWEEN LINTEL & SLAB.

FIXED GLAZING
ALL FIXED GLAZING IN STANDARD MS SECTION AS PER SHAPES DESIGN DETAILS FOR STAIRCASE TOWER AT MIDLANDING PARTLY FIXED AND PARTLY OPENABLE MAY BE USED.



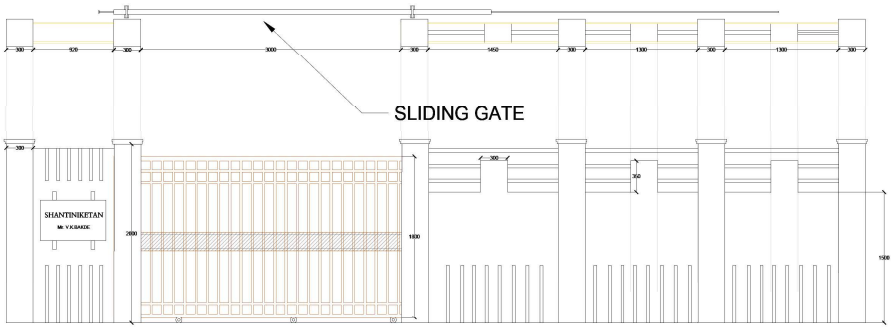
Section XX' (All dimensions are in mm)



ELEVATION OF COMPOUND WALL FROM INSIDE

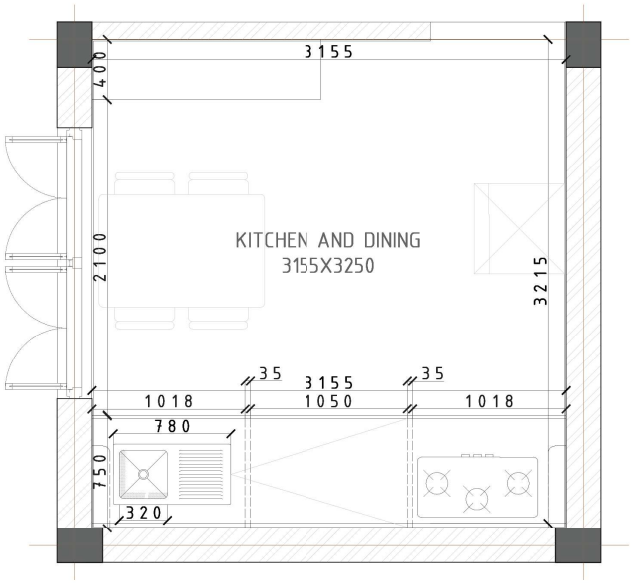


Front Elevation (All dimensions are in mm)

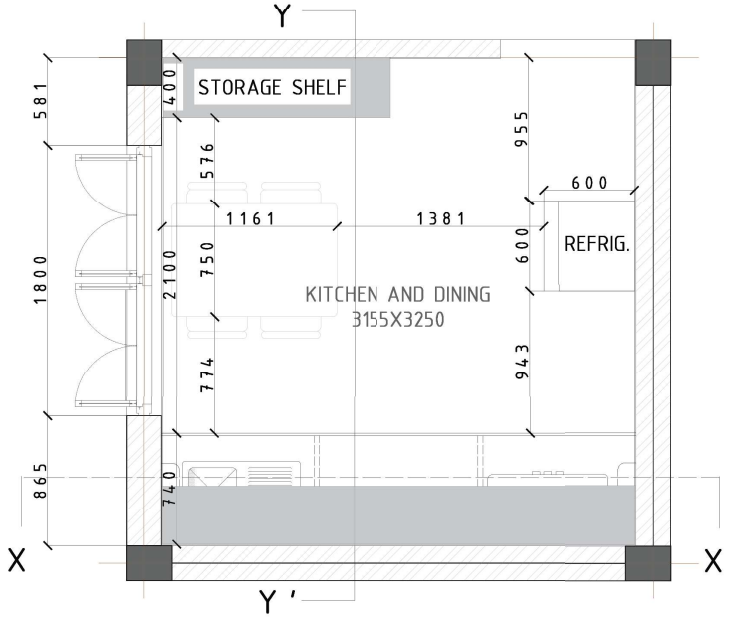


ELEVATION OF COMPOUND WALL FROM OUTSIDE

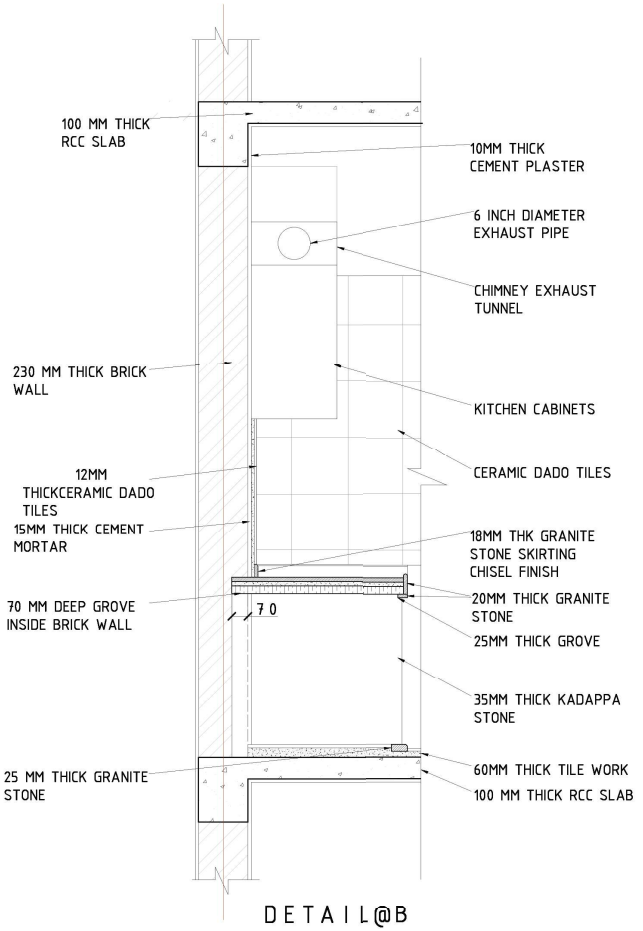
Kitchen Details



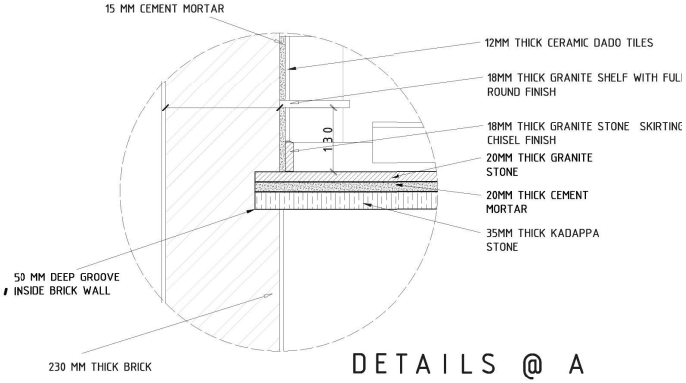
PLAN



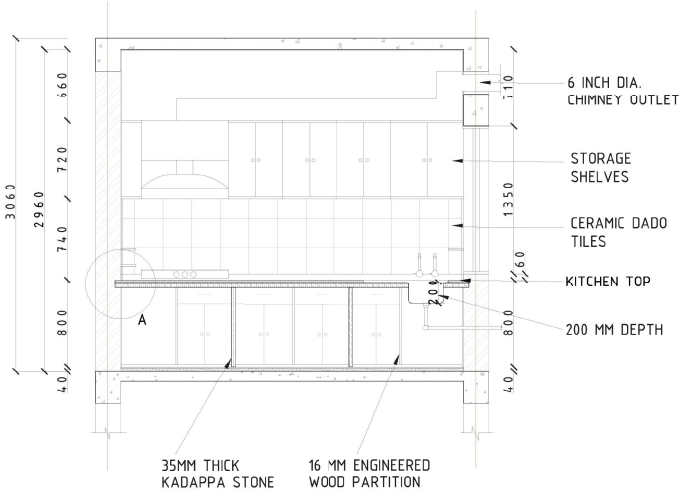
CEILING LEVEL PLAN



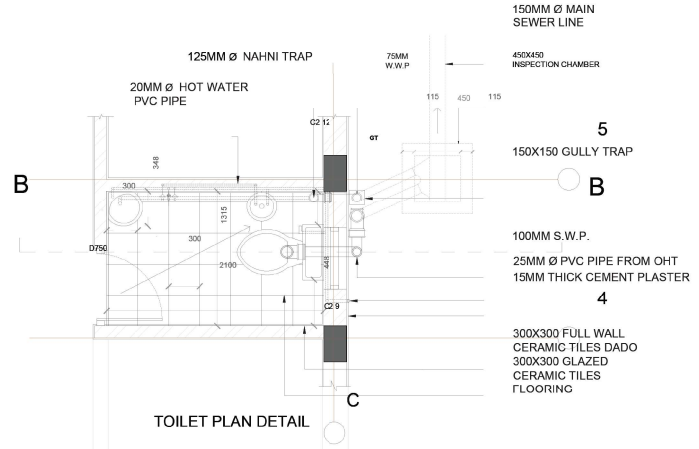
DETAIL@B



DETAILS @ A

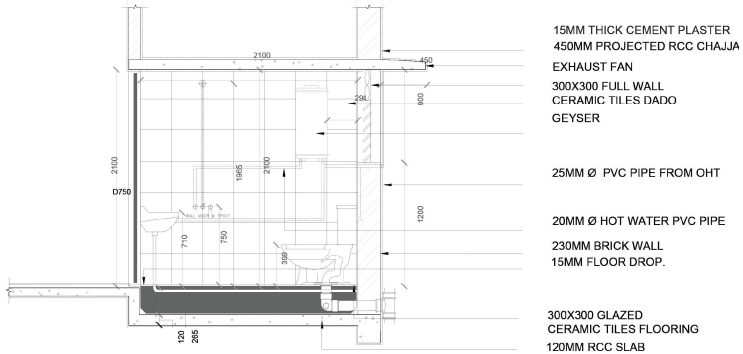


SECTION-XX'



TOILET PLAN DETAIL

Toilet Details

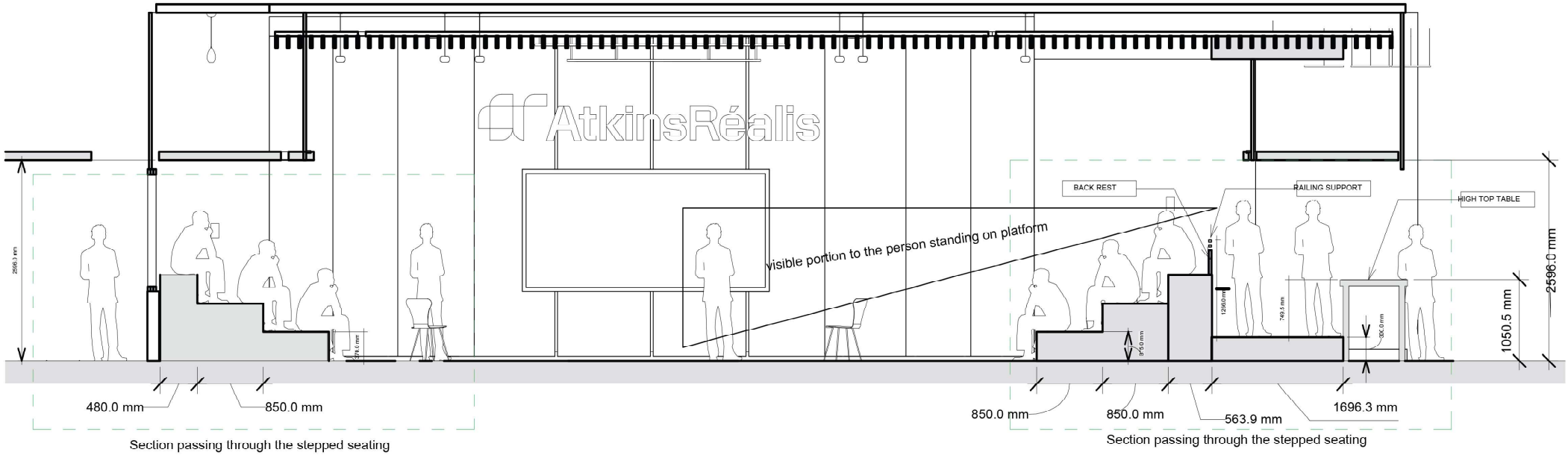


SECTION BB

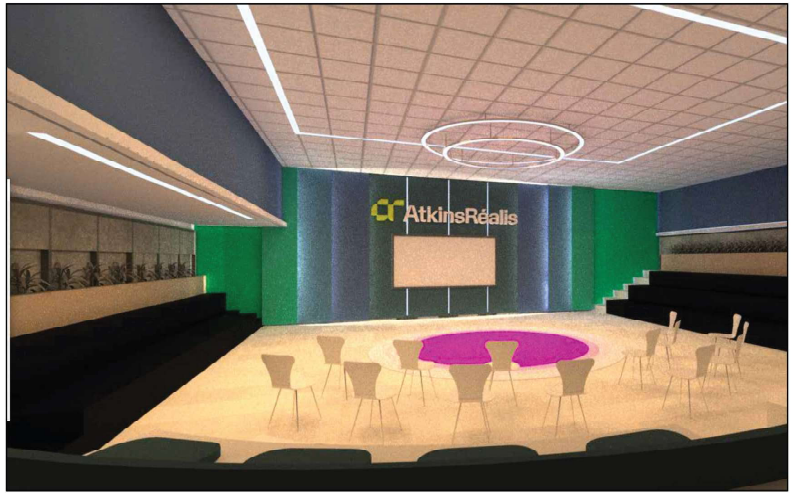
Professional Works

1) As a Part of Internship In ATKINSREALIS

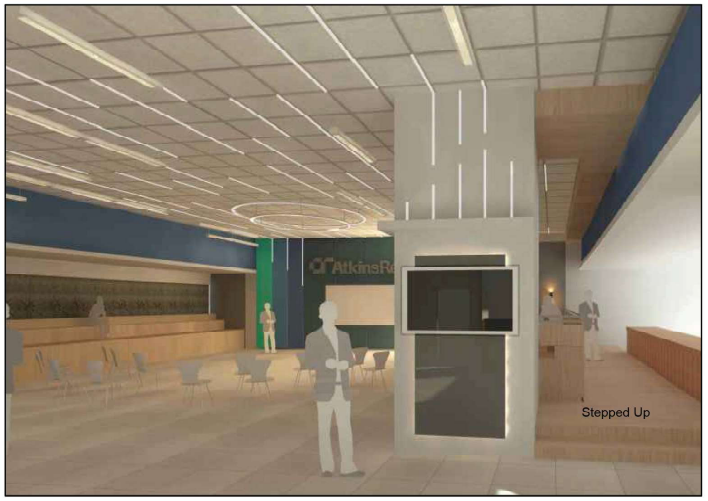
2) During the Works at AEC Labs



1 With standing Platform
1 : 50

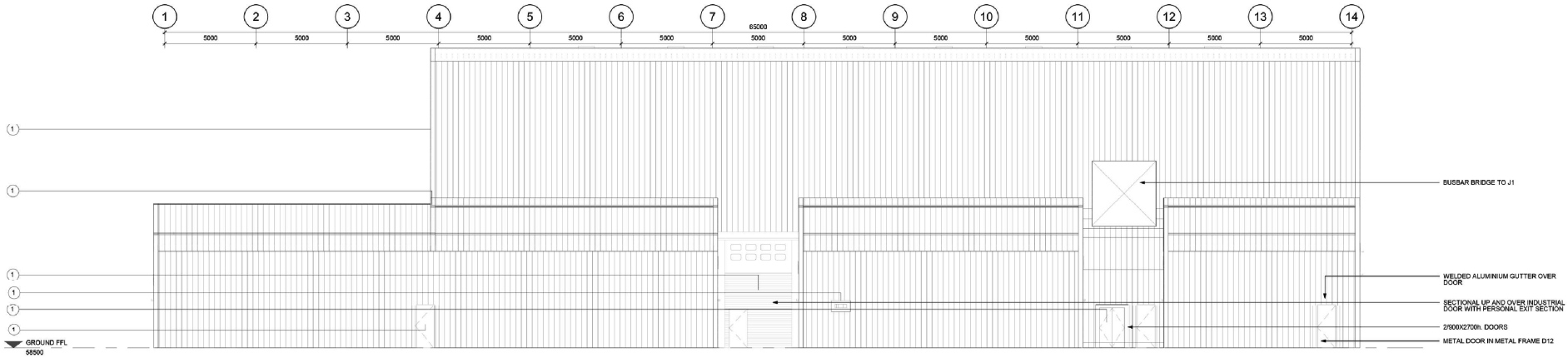


The Main wall with the Panels In Atkinsrealis theme

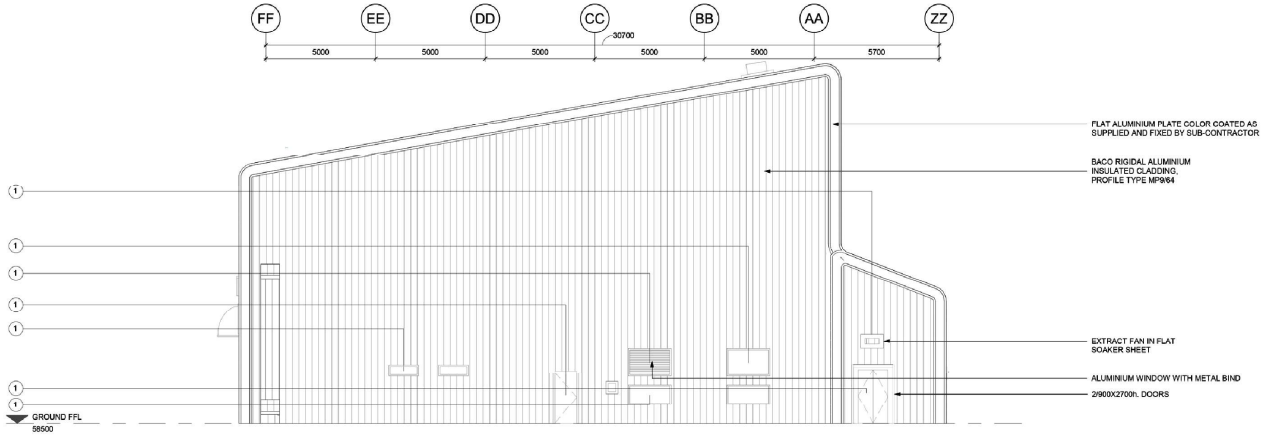


The area Near High Table and the Stepped Seating

SHEET NO.	SCALE	Project Name : Cafeteria Revamp	SECTIONS AND RENDERED VIEWS	FIRM DETAILS	Name : Rushabh Satish Mahore
A105	1:50	Architect In-charge :	Scope Of Work :	WS Atkins India Pvt.Ltd	ID : 24451
	DATE 15/12/23	Signature Mr. Suresh Kumar CA/2007/41455	• Modeling the Architectural Furniture,Lighting, Etc. • Working Drawings	Safina Towers, Bangaluru.	Enrollment No. BA19ARC041
			Learning's : • Anthropometrical study • Accessibility & Considerations. • Material Selection & Placement	AtkinsRéalis	Visvesvaraya National Institute Of Technology, Nagpur



3 South Elevation



4 West Elevation

Reliability status code	Description
1	MODELLED DATA HAS BEEN PREPARED BASED ON LIMITED INFORMATION, E.G. VISUAL SITE INSPECTION WITH LIMITED DIMENSIONAL MEASUREMENTS
2	MODELLED DATA HAS BEEN PREPARED USING UNVERIFIED RECORD DRAWINGS (DESIGN ISSUE OR CONSTRUCTION ISSUE STATUS)
3	MODELLED DATA HAS BEEN PREPARED USING FINAL AS-BUILT RECORD DRAWINGS.
4	MODELLED DATA HAS BEEN VERIFIED AS ACCURATE VIA FULL MEASUREMENT SURVEY*

* Note : Full measurement survey is not included in the scope of work, but the category is included should previous measurement survey data be available.

(1) RELIABILITY STATUS CODE

ALL EXISTING ARCHITECTURAL INFORMATION SHOWN ON THIS DRAWING HAS BEEN INTERPRETED FROM AVAILABLE RECORD DRAWINGS AND/OR SITE OBSERVATIONS AND DOES NOT REPRESENT AS-BUILT INFORMATION. THE RELIABILITY OF THE INFORMATION USED TO CREATE THE 3D MODEL AND DRAWINGS IS DISPLAYED GRAPHICALLY ON DRAWING SHEET 5225691-ATK-M-ZZ-DDRW-A-000001 TOGETHER WITH A LIST OF THE RECORD DRAWINGS USED. THE INFORMATION PRESENTED HERE SHOULD BE READ IN CONJUNCTION WITH THE HISTORIC ARCHITECTURAL DRAWINGS, WHICH MAY CONTAIN ADDITIONAL INFORMATION AND DETAIL. FUTURE USERS OF THE INFORMATION REPRESENTED ON THIS DRAWING SHOULD SATISFY THEMSELVES OF THE ACCURACY VIA A SITE SURVEY IF GREATER CERTAINTY IS NEEDED.

SHEET NO. A112	SCALE 1:400	Project Name : Nuclear Client (UK)	**ELEVATIONS : CONDITION SURVEY DRAWINGS**	**FIRM DETAILS**
	DATE 15/12/23	Architect In-charge :	Scope of Work :	WS Atkins India Pvt.Ltd
		Signature Mr. Suresh Kumar CA/2007/41455	• Modelling the Present Building Conditions. • Drafting the Detail. • Internal walls For HVAC fixtures.	Learnings : • Setting up a central model. • Analyzing the Present Condition. • Using the Drone survey to model.

Safina Towers,
Bangaluru.

AtkinsRéalis

Name : Rushabh Satish Mahore
ID : 24451
Enrollment No. BA19ARC041
Visvesvaraya National Institute Of Technology, Nagpur

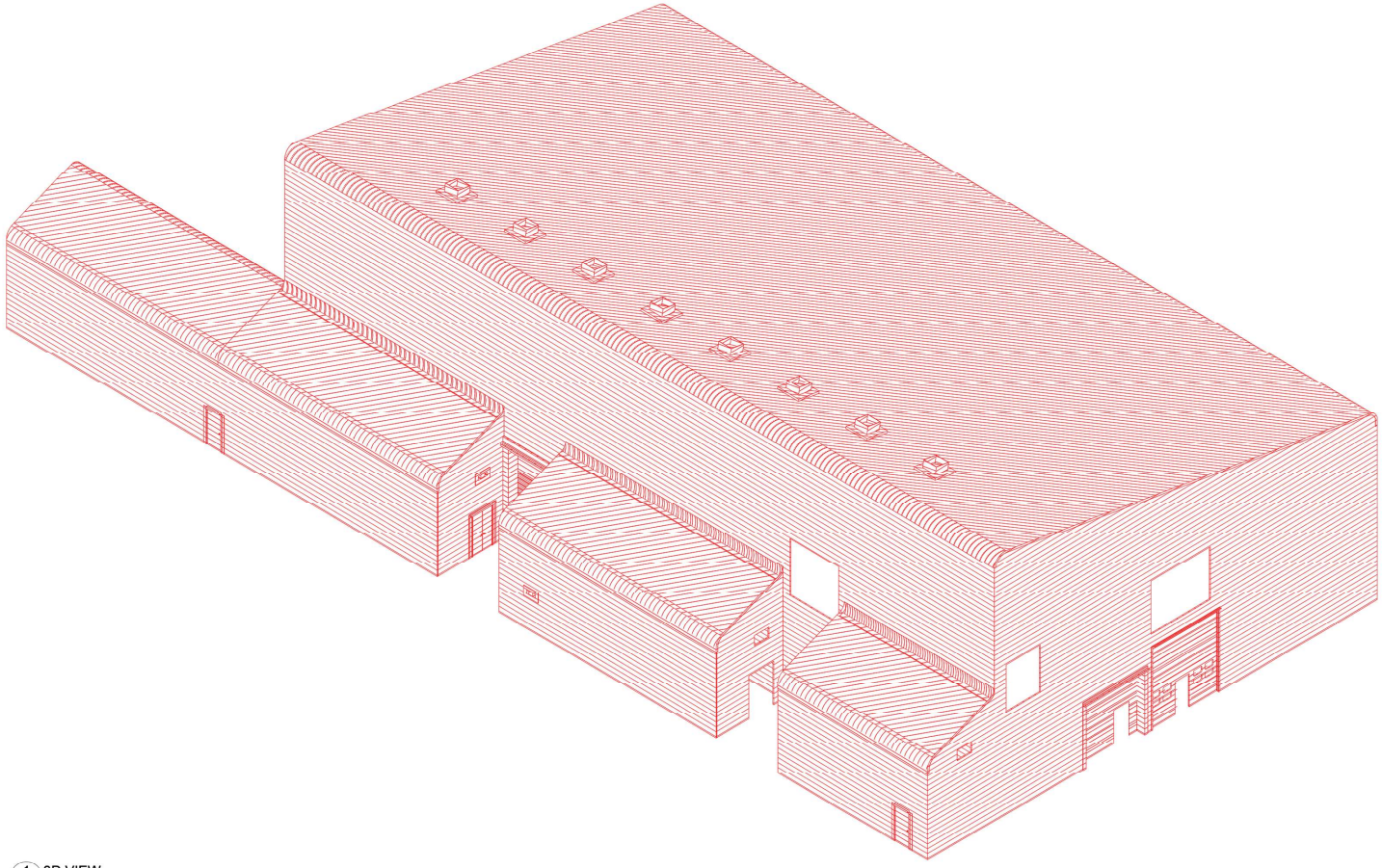
Reliability status code	Reliability colour	Description
1		MODELLED DATA HAS BEEN PREPARED BASED ON LIMITED INFORMATION, E.G. VISUAL SITE INSPECTION WITH LIMITED DIMENSIONAL MEASUREMENTS
2		MODELLED DATA HAS BEEN PREPARED USING UNVERIFIED RECORD DRAWINGS (DESIGN ISSUE OR CONSTRUCTION ISSUE STATUS)
3		MODELLED DATA HAS BEEN PREPARED USING FINAL AS-BUILT RECORD DRAWINGS.
4		MODELLED DATA HAS BEEN VERIFIED AS ACCURATE VIA FULL MEASUREMENT SURVEY*

* Note : Full measurement survey is not included in the scope of work, but the category is included should previous measurement survey data be available.

1 — RELIABILITY STATUS CODE

ALL EXISTING ARCHITECTURAL INFORMATION SHOWN ON THIS DRAWING HAS BEEN INTERPRETED FROM AVAILABLE RECORD DRAWINGS AND/OR SITE OBSERVATIONS AND DOES NOT REPRESENT AS-BUILT INFORMATION. THE RELIABILITY OF THE INFORMATION USED TO CREATE THE 3D MODEL AND DRAWINGS IS DISPLAYED, GRAPHICALLY ON THIS DRAWING TOGETHER WITH A LIST OF THE RECORD DRAWINGS USED THE INFORMATION PRESENTED HERE SHOULD BE READ IN CONJUNCTION WITH THE HISTORIC ARCHITECTURAL DRAWINGS, WHICH MAY CONTAIN ADDITIONAL INFORMATION AND DETAIL FUTURE USERS OF THE INFORMATION REPRESENTED ON THIS DRAWING SHOULD SATISFY THEMSELVES OF THE ACCURACY VIA A SITE SURVEY IF GREATER CERTAINTY IS NEEDED.

THE MODEL HAS BEEN DEVELOPED BASED ON THE FOLLOWING RECORD DRAWINGS
- 22.2 / 536 4000
- 22.2 / 536 . 236



1 3D VIEW

SHEET NO.

A109

SCALE
1:400

DATE
15/12/23

Project Name : Nuclear Client (UK)

Architect In-charge :

Signature

Mr. Suresh Kumar
CA/2007/41455

3D VIEW : CONDITION SURVEY DRAWINGS

Scope of Work :

- Modelling the Present Building Conditions.
- Drafting the Detail.
- Internal walls For HVAC fixtures.

Learnings :

- Setting up a central model.
- Analyzing the Present Condition.
- Using the Drone survey to model.

FIRM DETAILS

WS Atkins India Pvt.Ltd
Safina Towers,
Bangaluru.

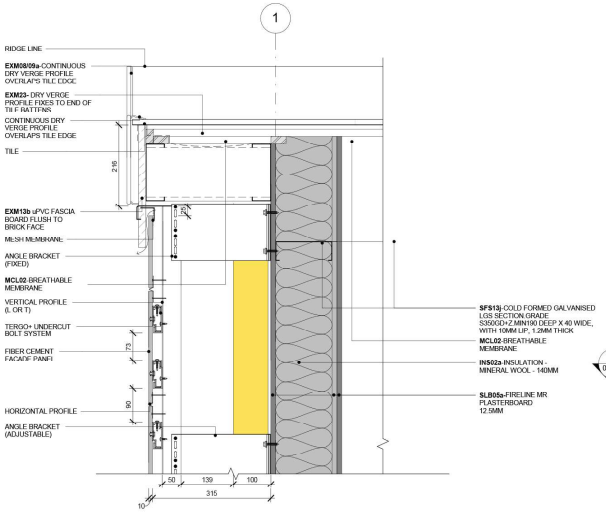
AtkinsRéalis

Name : Rushabh Satish Mahore

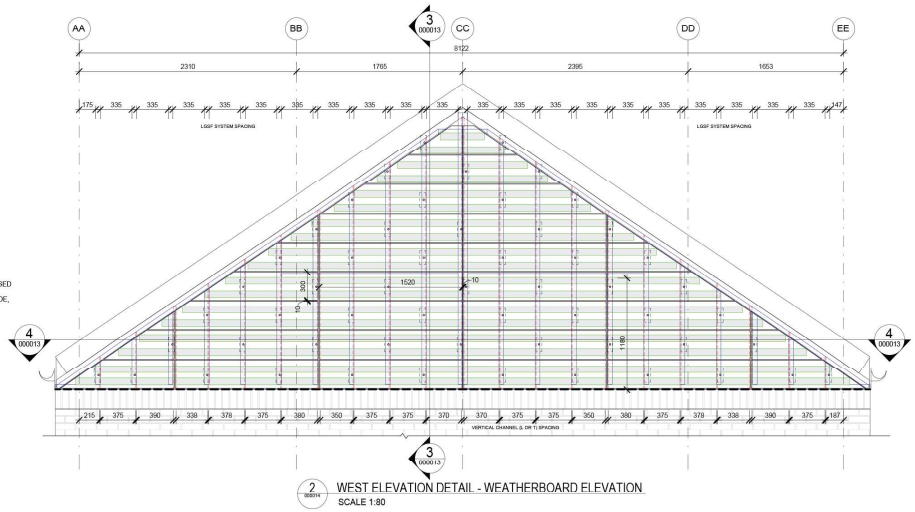
ID : 24451

Enrollment No. BA19ARC041

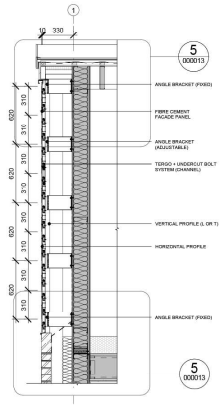
Visvesvaraya National Institute Of Technology, Nagpur



1 WEST ELEVATION - WALL CLADDING DETAIL
SCALE 1:20



2 WEST ELEVATION DETAIL - WEATHERBOARD ELEVATION
SCALE 1:80

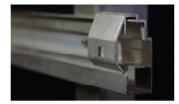


3 WEST ELEVATION - CLADDING SECTION
SCALE 1:80

REFERENCE IMAGES



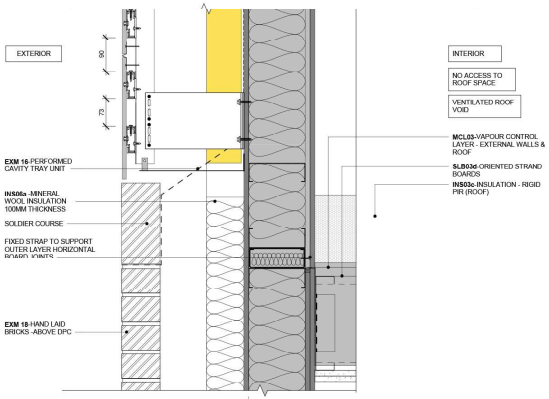
ANGULAR BRACKETS

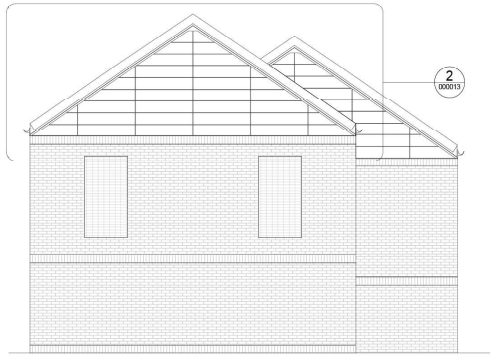


TERGO + UNDERCUT BOLT SYSTEM (HORIZONTAL CHANNEL)

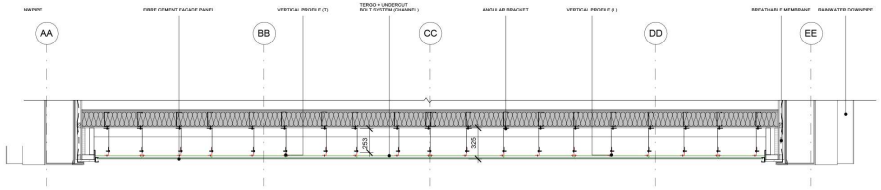


VERTICAL PROFILE (T)





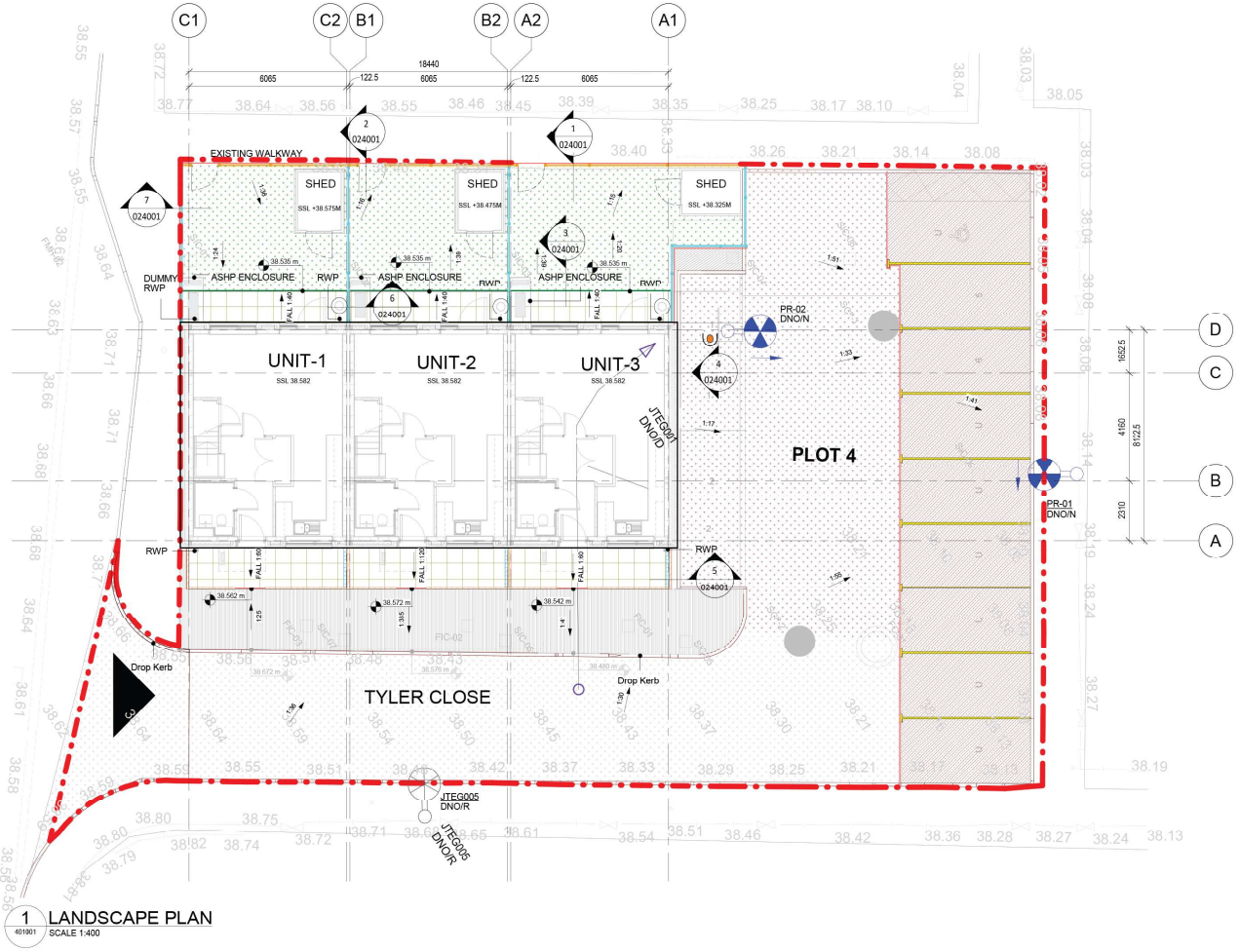
1 WEST ELEVATION DETAIL
SCALE 1:200



4 WEST ELEVATION DETAIL - PLAN
SCALE 1:80

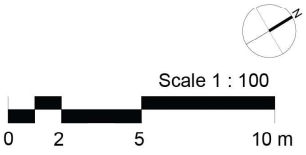
SHEET NO. A113	SCALE DATE 15/12/23	Project Name : Affordable Housing Architect In-charge : Signature Mr. Suresh Kumar CA/2007/41455	**WEATHERBOARD DETAILS OPTION 1** Scope of Work : • Drafting the weatherboard details. • Drafting details using the Product catelogue. • Developing 2 Options for the same. Learnings : • Weatherboard joinary details. • Exploration of 2 different types of details.	**FIRM DETAILS** WS Atkins India Pvt.Ltd Safina Towers, Bangaluru. AtkinsRéalis	Name : Rushabh Satish Mahore ID : 24451 Enrollment No. BA19ARC041 Visvesvaraya National Institute Of Technology, Nagpur



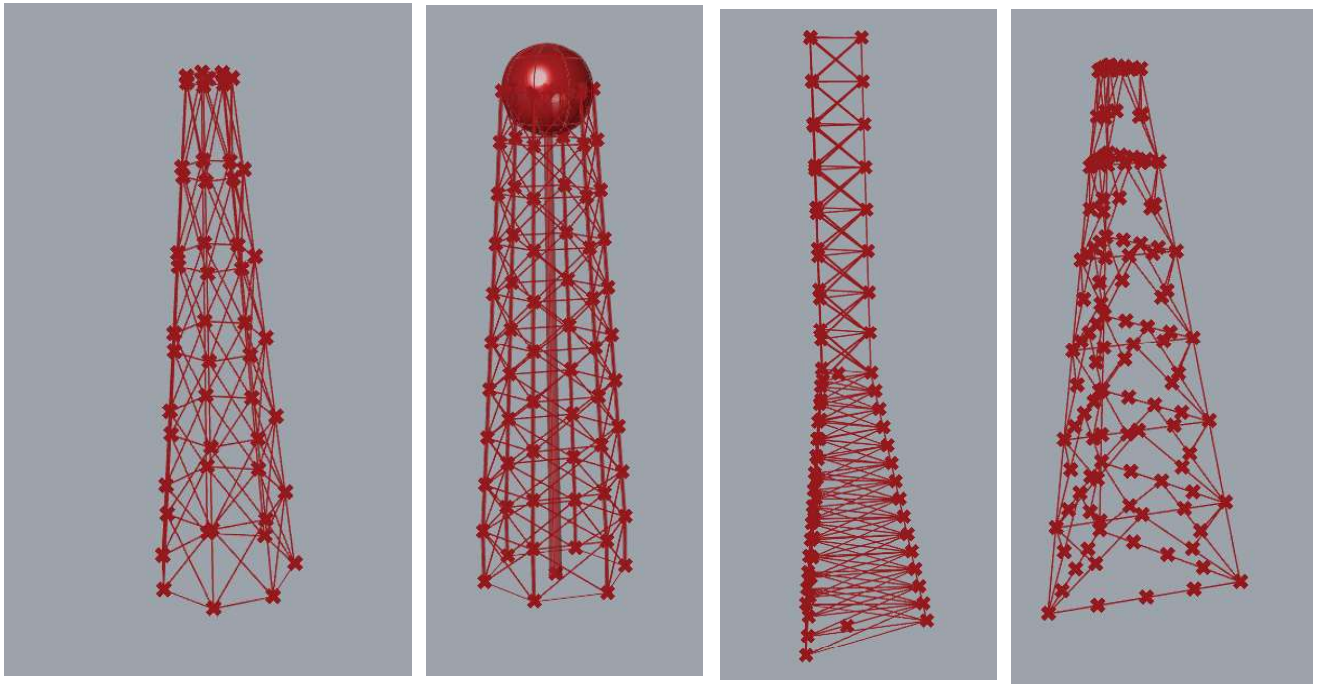


LEGENDS

- XX.XXX — EXISTING LEVELS
- XX.XX m — PROPOSED LEVELS
- FIC-XX — PROPOSED FOUL WATER INSPECTION CHAMBER
- SIC-XX — PROPOSED STORM WATER INSPECTION CHAMBER
- FMH-XX — PROPOSED FOUL WATER MANHOLE
- FC XX — PROPOSED FLOW CONTROL CHAMBER
- SCP XX — PROPOSED CATCHPIT
- ASHP UNIT
- PV INVERTER
- WATER BUTT
- PROPOSED 17W STREET LIGHTING RAISED AND LOWER COLUMN
- PR-XX DNO/N — PROPOSED EQUIPMENT NUMBER
- EXISTING 19W STEET LIGHTING UNIT TO BE RETAINED
- JTEGXXX DNO/R — EXISTING EQUIPMENT NUMBER



SHEET NO. A115	SCALE 1:400 DATE 15/12/23	Project Name : Affordable Housing Architect In-charge : Signature Mr. Suresh Kumar CA/2007/41455	**LANDSCAPING PLAN : PLOT 3** Scope of Work : • Railing Placement. • Parking and Other Paved Areas Placement. • Other Landscaping Areas. Learnings : • Placement of railing with levels.	**FIRM DETAILS** WS Atkins India Pvt.Ltd Safina Towers, Bangaluru. AtkinsRéalis	Name : Rushabh Satish Mahore ID : 24451 Enrollment No. BA19ARC041 Visvesvaraya National Institute Of Technology, Nagpur

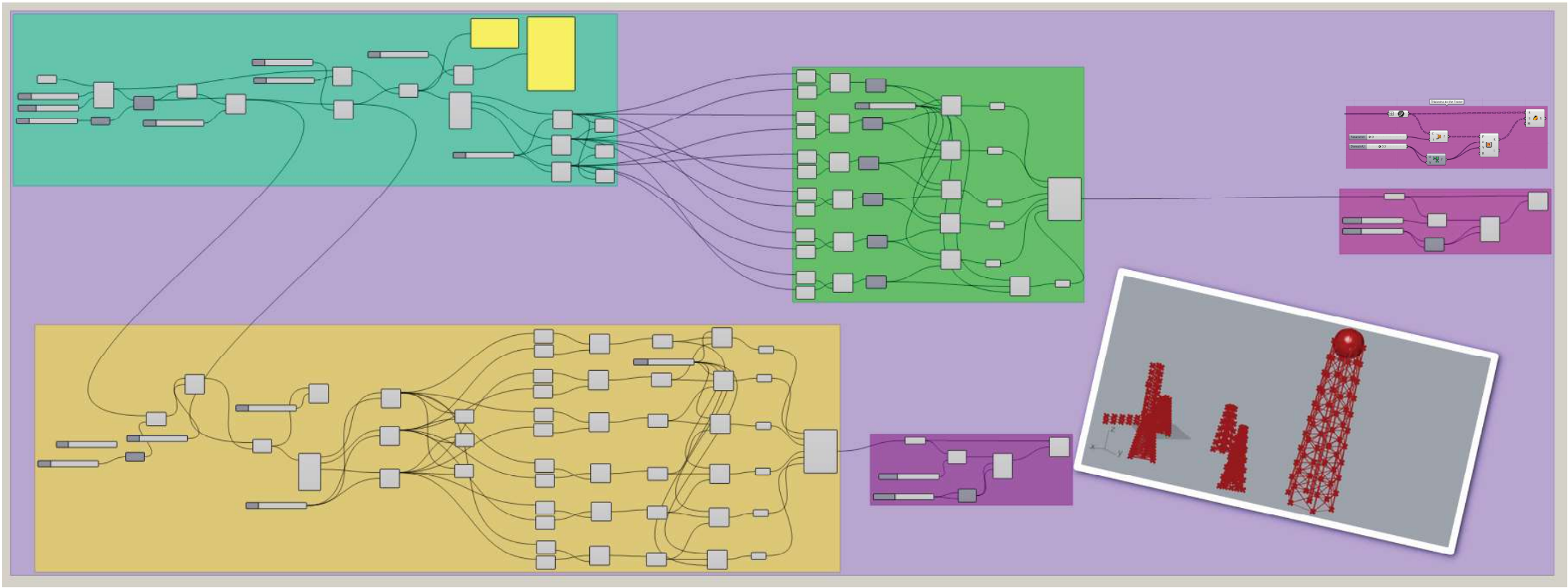


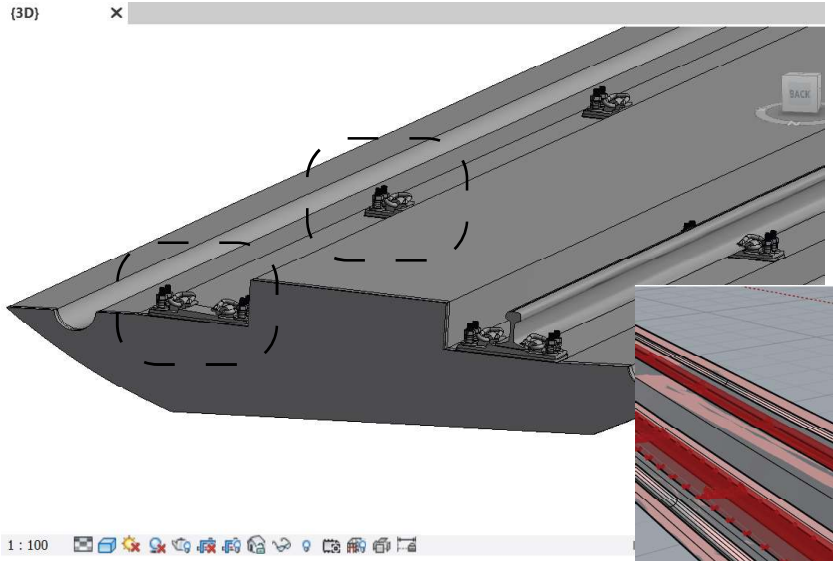
Problem Statement consisted of 60% Automation of the Telecommunication towers.

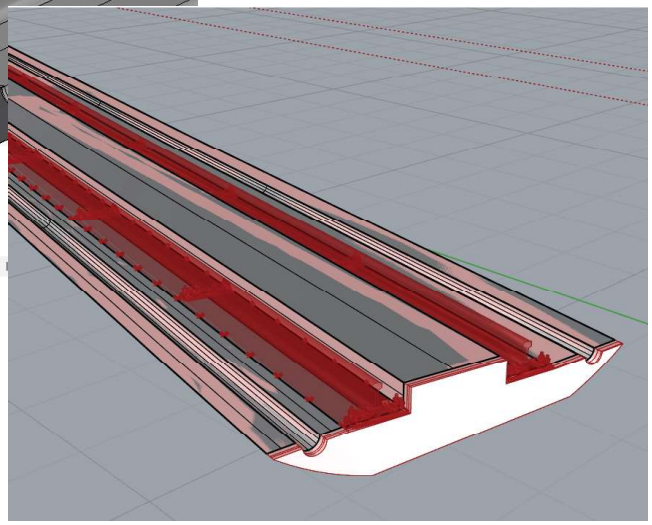
1) Set of Towers with Varying Heights and the Base Polygons, has to be constructed, but has to be made Parametric in order to make it easier to model in rhino, and than to transfer to the Revit through Rhino.inside revit.

2) So with the Geometries Defined with its Polygons and the Diagonal Bracings The Script is Written in Grasshopper to make it Parametric.

3) This Work was a part of Proposal which consisted of few Thousand Towers in total.







Problem Statement : Automating the Placement of Fixtures for the Metro Rail Track in the Places where Banking Occurs in Revit Using Grasshopper as a tool

1) In the Case of Straight Rail Routes it was easy to model the fixtures. but when it comes to banking, the Problem arises of Placing the Firxuture at the right place.

2) This Work has been simplified by using the Revit inside rhino Plugin, through which the script has been written which can automate the Placement of the Fixture inside Revit.

3) The Fixture can now be Adjusted based on the Face where it has to be placed also, it can be placed at a particular distance we wish to place the fixture.

4) as well as it is easier to make changes in the whole fixture family, whenever we wish to.

