ARCHITECTURAL PORTFOLIO 2019 - 2022



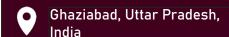


ABOUT ME

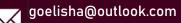
I travelled around a lot as a child. I had to re-discover my house and the town I occupied every two to three years. Exploring the town and learning where all the shops were or where the best food and treats were would generally help me get my bearings. I started learning about the stories and history that shaped a place through this. I fell in love with stories, which inspired me to become a voracious reader. I also grew close to architecture through stories and their contexts. How a place and its inhabitants can change lives. Therefore, I was naturally drawn to pursue a career as an architect since I would be telling tales via my designs.

Age: 22 Gender: Female Birthplace: Ghaziabad

CONTACT









http://www.ishagoel.com/

EDUCATION

2019-PRESENT
SUSHANT SCHOOL OF ART AND ARCHITECTURE
BACHELORS IN ARCHITECTURE

SEMESTER 6: 8.10 SGPA SEMESTER 5: 7.42 SGPA SEMESTER 4: 8.00 SGPA SEMESTER 3: 7.10 SGPA SEMESTER 2: 7.45 SGPA SEMESTER 1: 6.45 SGPA

2019
PRESIDIUM, INDIRAPURAM - HIGH SCHOOL DIPLOMA
CUMULATIVE - 87%

TECHNICAL SKILLS **ACADEMIC ACHIEVEMENTS** AutoCAD 2023 **ECBC Workshop Completion** Adobe Photoshop 2023 Archumen Quiz-Top 6 in North zone Adobe Illustrator 2021 ACEDGE - DESIGNERS, KNOW YOUR DUTY Adobe InDesign 2019 COUERSA - MAKING ARCHITECTURE Revit 2019 Excellent Performance Overall in 12th Board Exams Grasshopper Mathematics Topper in 12th Board Exams Twin Motion **VOLUNTEER EXPERIENCE** 2017-2019 Pleasanton Public Library (California) Sketchup Curated events for children to be engaged in the library **FUNCTIONAL SKILLS COMPETITIONS** 2022 Teamwork Volume Zero- Extreme Habitat Communication 2022 Kaira Looro- Children's House Creativity and Problem solving 2021 Anual NASA Design competition

TABLE OF CONTENTS

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META-MEDELA
RESPONSIVE ECOLOGY STUDIO
SEMESTER 5-6
CO DESIGNERS: SUKRITI NAUTIYAL
& HARSH KUKREJA

2



JODAPATTI
64th ANDC- GRASSROOTS
NASA
CO-DESIGNERS: GAURI GAUTAM,
TANISH ROY, PAKHI SHRIVASTVA

3

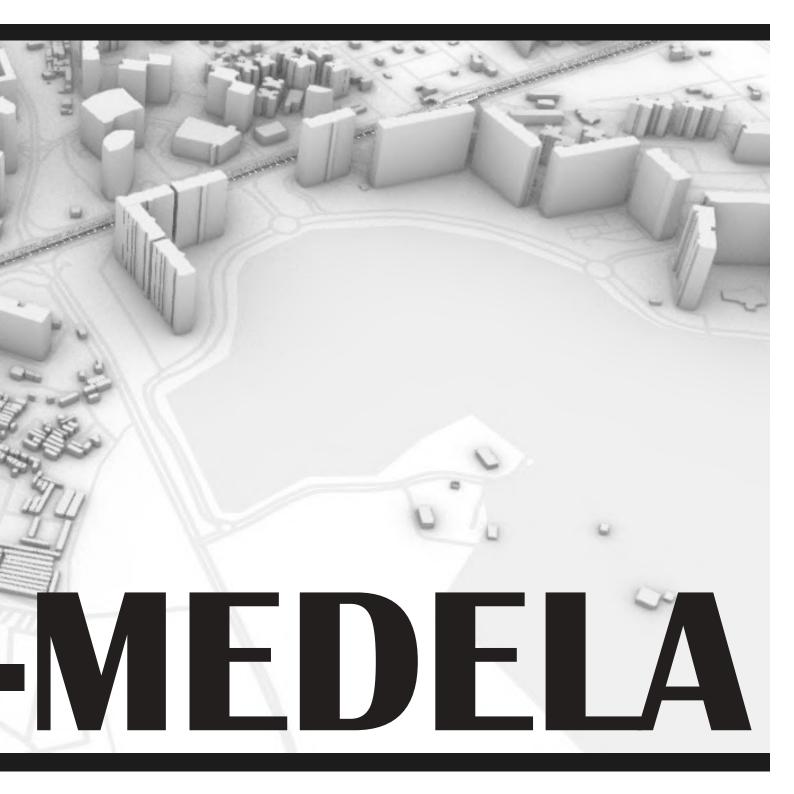


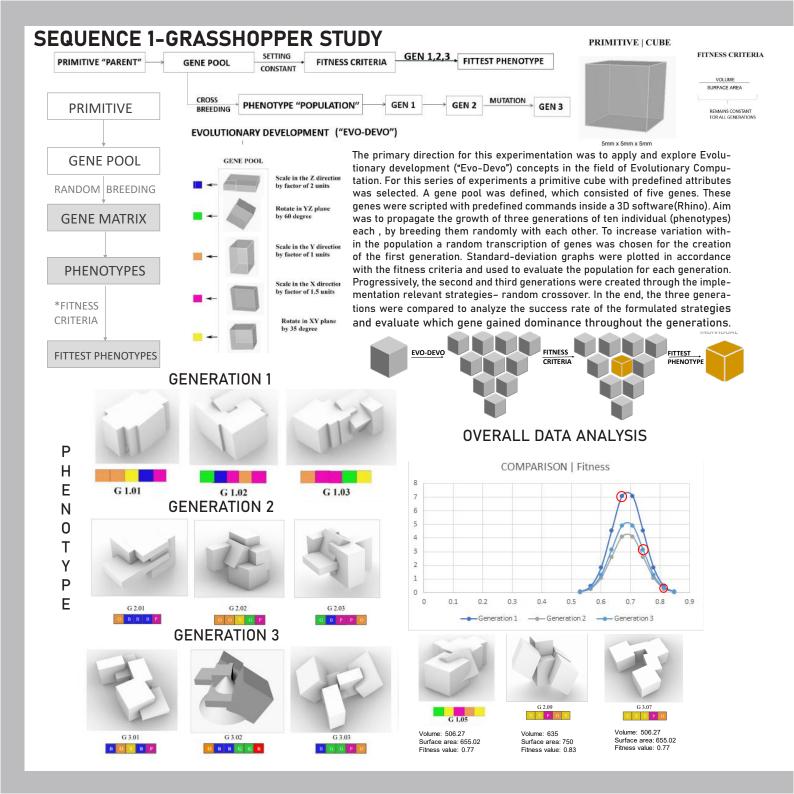
A TOGETHER CEYLON
EMERGENT SRI LANKA
SEMESTER 4
CO DESIGNER: SUKRITI NAUTIYAL



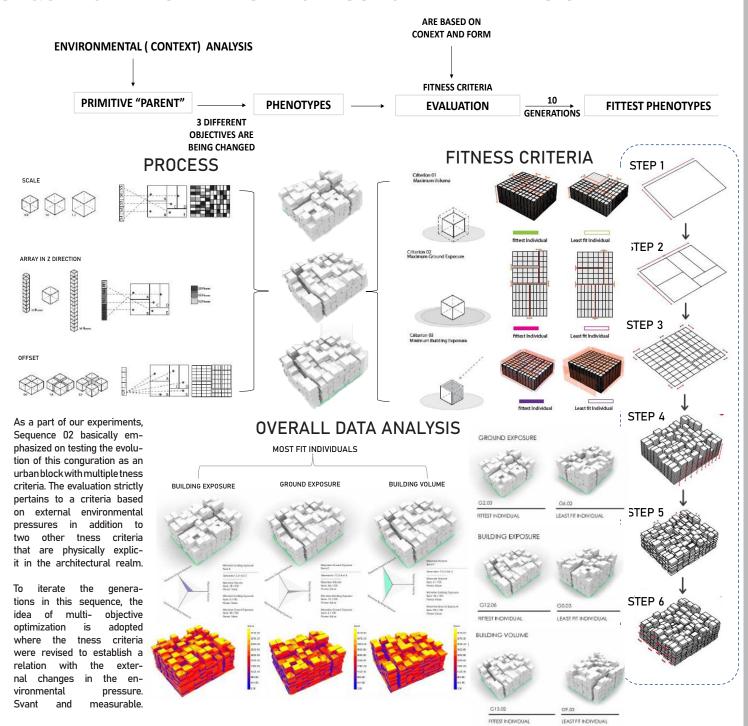
SELECTED WORKS 2019- 2022



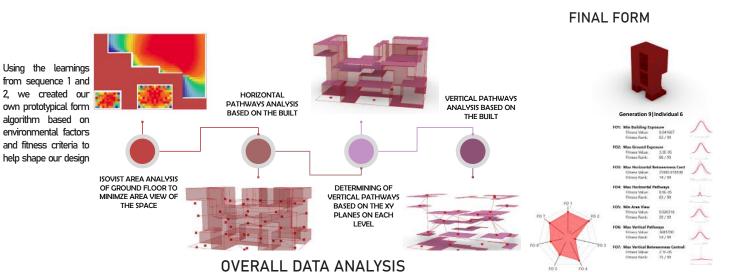


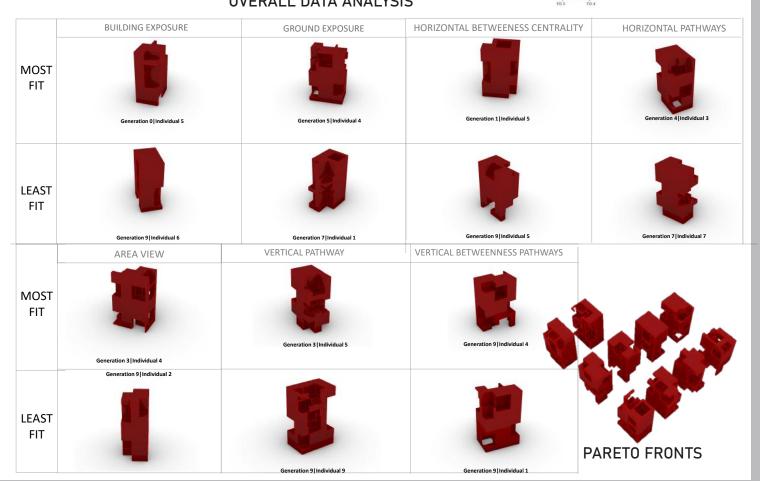


SEQUENCE 2 - SITE BASED GRASSHOPPER ANALYSIS



= SEQUENCE 1 + SEQUENCE 2 + CIRCULATION SYSTEM + RESPONSIVE ECOLOGY 0 150 meters 150 meters LINKAGES R FITNESS CRITERIA = SHORTEST DISTANCE M M 0 AREA: 1.5 HECTARE R AREA: 1.5 HECTARE **CLOSE POINTS** P **CIRCULATION** SYSTEM 70% CLOSED SPACES NODES (30%) **30% OPEN SPACES** NO. OF LEVELS: 5 150 meters 0 LINKAGES G NODES FITNESS CRITERIA = AREA: 1.5 HECTARE **VERTICAL CONNECTION** 70% CLOSED SPACES FITNESS CRITERIA = 30% OPEN SPACES SHORTEST DISTANCE **DEPTH OF** NETWORK **CULL LOGIC** ISOVIST

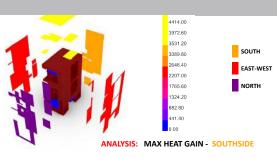


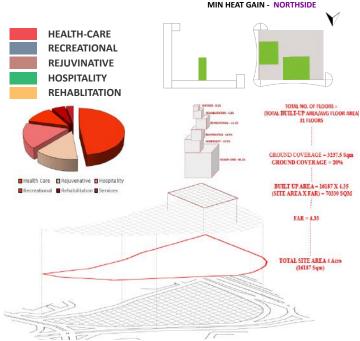


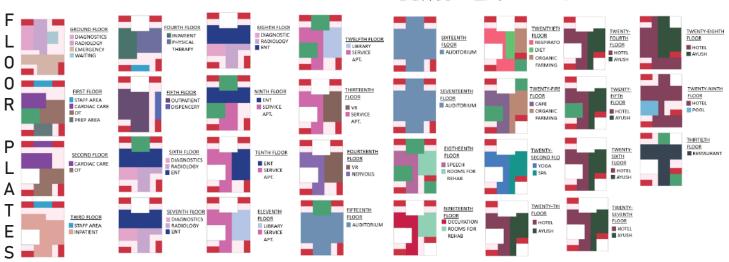
META-MEDELA



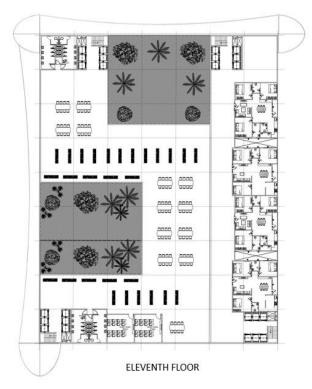


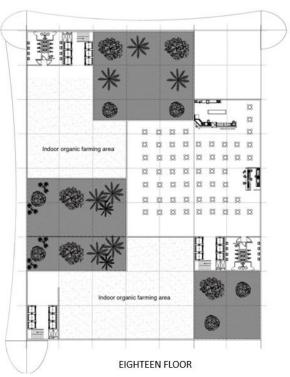
















J O D A P A T

The Unit.



1 Modification of Element-

The window is rotating, giving yentilation when tilted above and protection from rain when tilted downwards.



36

4 Addition of element-....

to protect from outer vision permeability and dust, jute layer is dropped. During summers, it acts like a cooler and during winters, double layer of this bag becomes an insulating element.



Women painting their homes in the tradition way, brings the belongingness to the home, and water protection to the cardboard tubes



the cardboard tubes. **3** Utilisation of element-

The cardboard tube window allows cooking smoke to pass through and create storage spaces.



...... 7 Utilisation of space-

The upper floor can be used as a creche: and play area for kids.:



Cardboard sheets are added on the flooring when available on construction site to add extra layer of insulation.

6 Utilisation of space-

TThe above convertible area can be: used as sleeping space in the night.:

5 Utilisation of space-

: The upper floor can be used as space to dry clothes

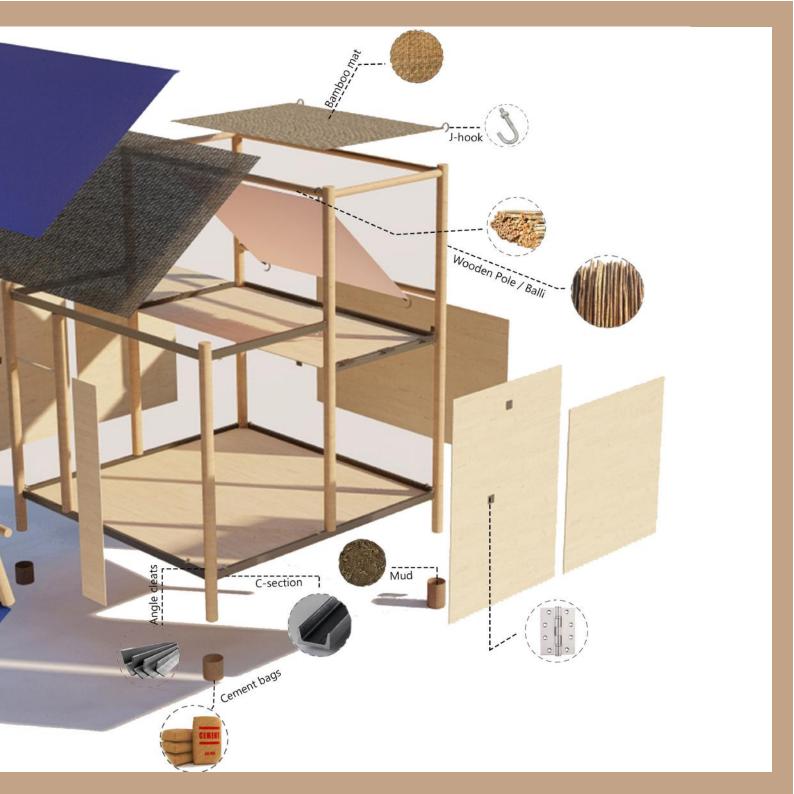
in the sun.

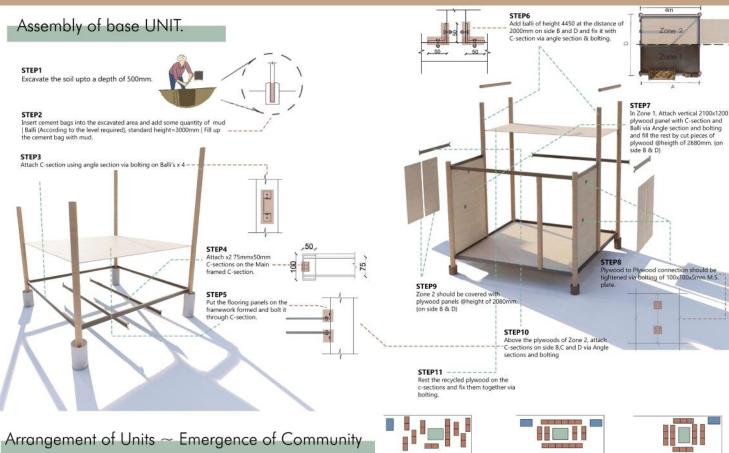


Materiality

Cement bags x4 Height= 800mm, Width=350mm
Excavated earth
Wooden Pole x7 Height variation according to terrain Dia. 50mm
Reclaimed Timber x15 2400x1200mm = 1panel Rest cut pieces acc. to the negative spaces.
C-sections x12 Web= 100mm 75mm, Flange= 50mm, Thickness=25mn
Angle sections x as per req. 50x50x5mm
Nuts & Bolts x as per req. 100x75x50mm
J-hooks x as per req.
Cardboard Tubes x 24 Thickness= 25mm 25mm Dia. = 100 150 350 500 Bamboo Mat x as per req.
Wooden tube x as per req. Dia. 20 75
Jutebag wall x as per req. Double the no. Required Jutebags in Cold weather
Tarpaulin sheets x as per req.
Cardboard sheets x as per req. Dependent on the stage of construction







Morphological analysis - The shape of the site will dictate the placement of the units.



Identify contours and foliage-will help in preventing formation of water basins on usable areas. Foliage will act as a visual relief - as well as provide acces points for utilities / swings to attach onto.

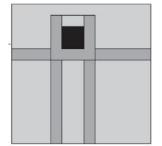




Longitudinal site

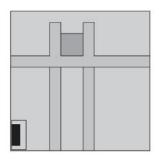


Square-shaped site



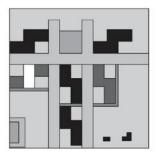
STEP1

Place the creche at the highest point of the site, preferrably near foliage.



STEP2

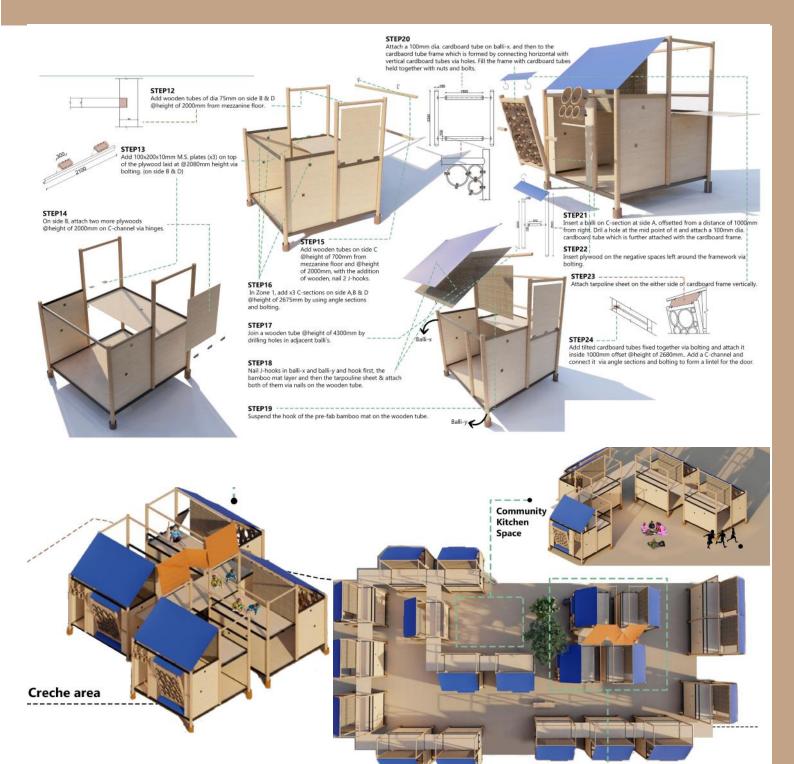
Place the W.C/Sanitation units in closed proximity to the creche and towards the open end of the site.

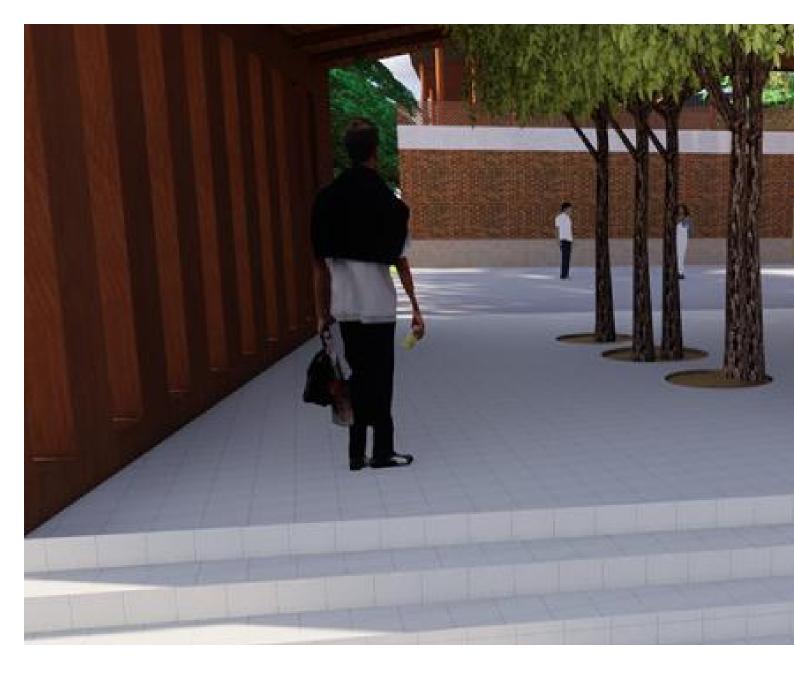


STEP3

Place the initial dwelling units in clusters around the creche and add additional units as per requirement.



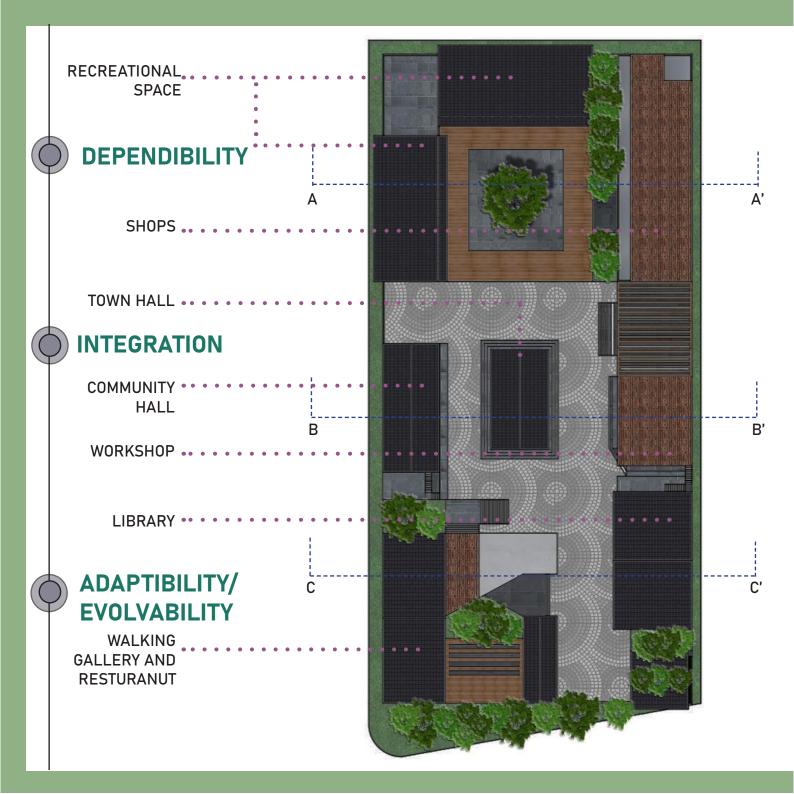


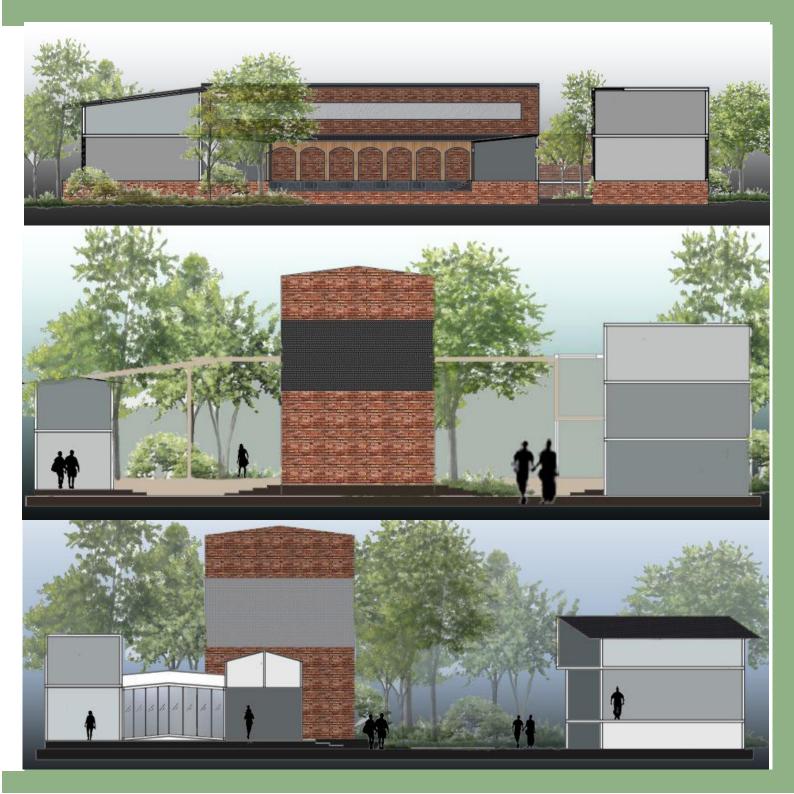


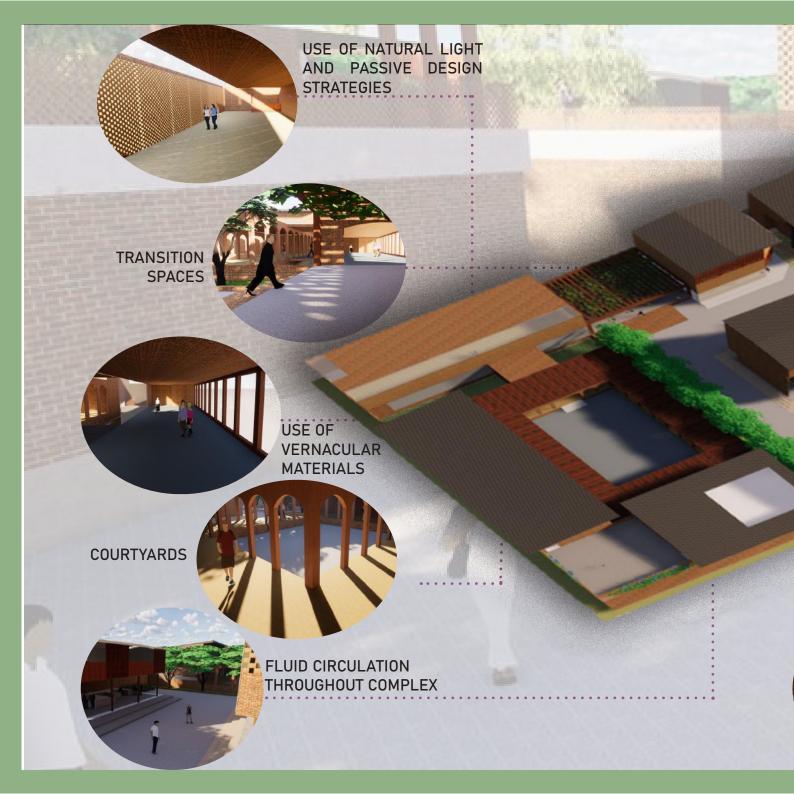
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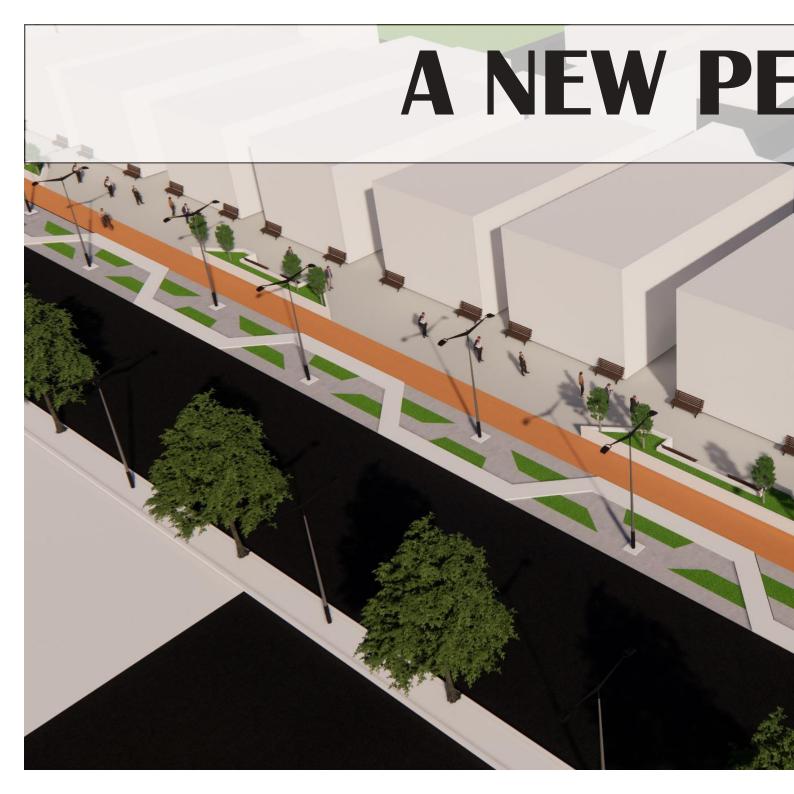
ER CEYLON



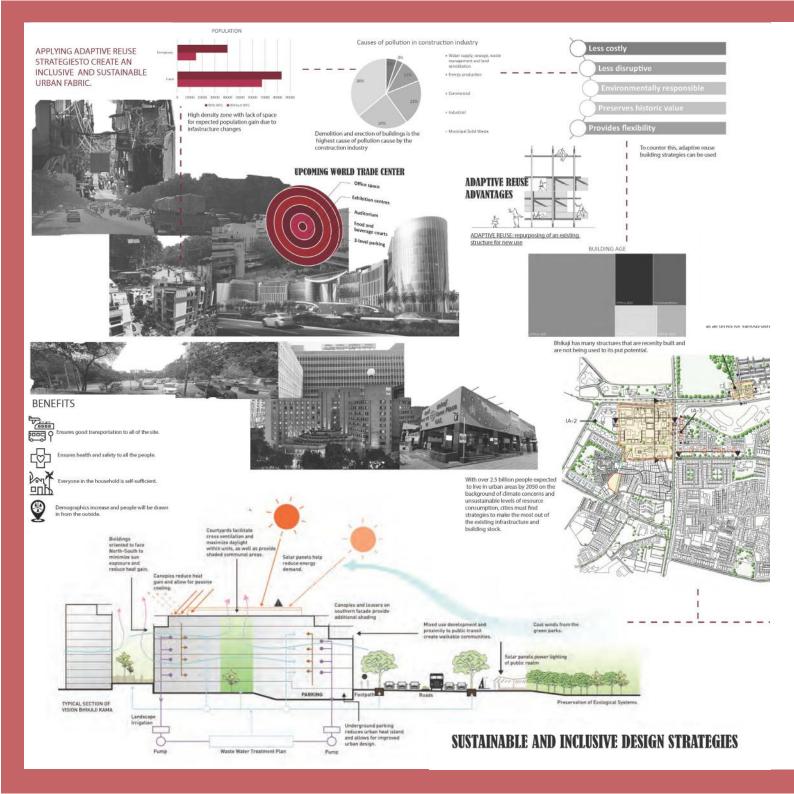














People from ages 17-45 can benefit from this place as for the younger generation it can be for places of gathering anf learning, where as, for older individuals it can be a permaneant or temporary habitat

AREAS THAT WILL BE MOST AFFECTED BY WTC

in the Bhikaji cama neighbourhood, many structures are empty/abandoned. After the completion of WTC, the focus of commerical trade will shift from Bhikaii cama place to WTC

Already many floors of the building are not in use, as well as the fact that this structure does not operate at all times for various demographic groups.

DISTRICT LEVEL

The major commerical districts present in Delhi city, have adjoining retail and hospitality structures present to accomdate the inflow of population. The conversion of certain sites in the Bhikaji Cama neighbourhood to retail spaces, would create more job opportunities as well as increase the economy of the area.



SITE

The location of the site is central to Bhikaji connecting all areas, old and new, together. Hence habing a mixed use building will benefit both the office workers as well as the residents.



With the increase in appeal of the area, commuters travelling to CP and Gurgoan will be attracted to visit the area as visually it is full of activity.

With the upcoming chnages, the area can be promoted to an area of prime real estate without making major construction changes. As delhi, overall has a very high AQI, it is better to reduce the pollution causing activities.





PEDESTRIAN AREA





SOLAR PANELS



OF STREET

Through this intervention we can create urban centers for all people to gather without increasing the carbon footprint of the space even more.

This intervention will promote a sense of community and togetherness, which is currently lacking in the area.

NEIGHBOURHOOD LEVEL

Around the area, spaces like commonwealth games village and AIIMS,exist. Besides these spaces, the rest are tentively residental

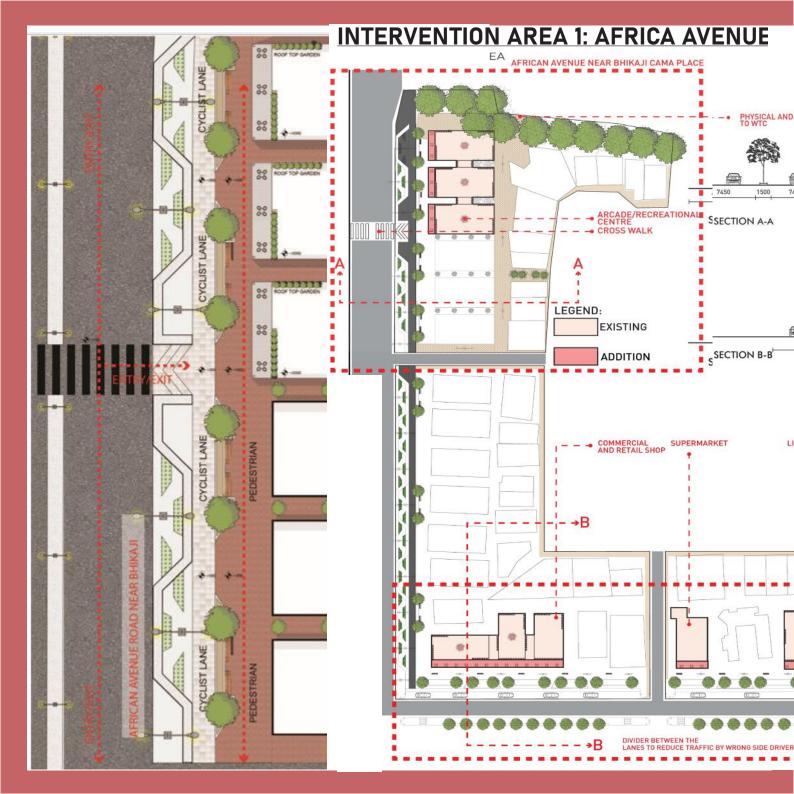
For this residental population, there is a lack of leisure ammenities. For people to shop or go out to eat, they would have to go to nearby spaces like Hauz Khas. Hence interventions like this will increase the appeal to the area, and hence increase its real estate value

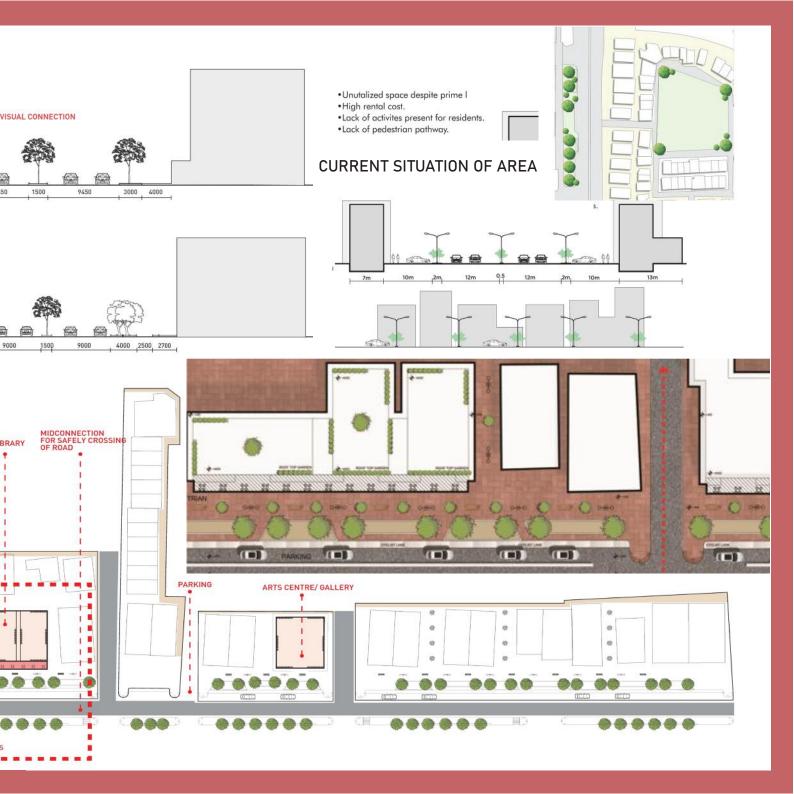


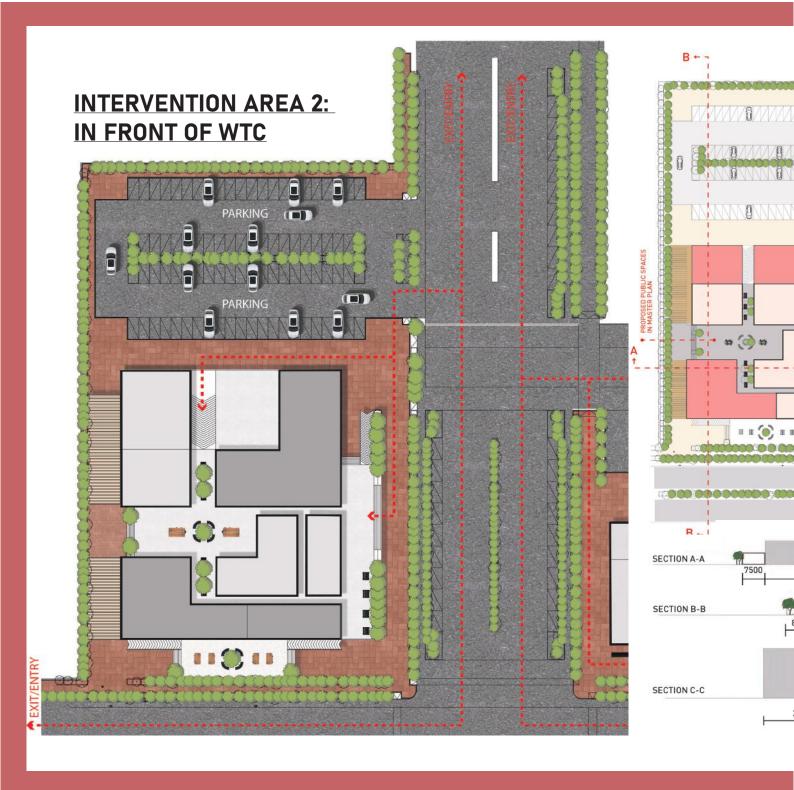


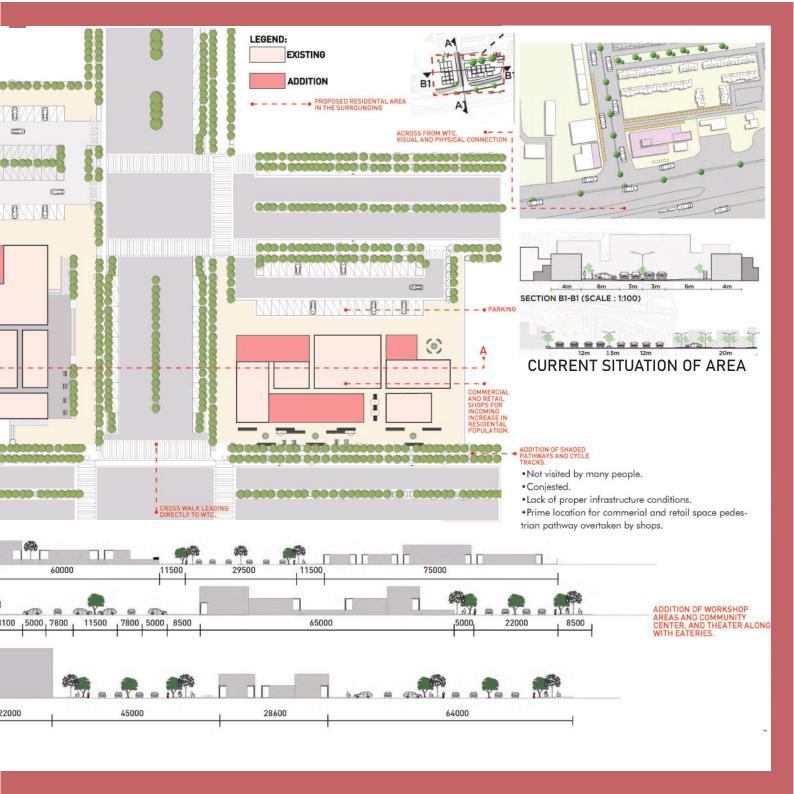


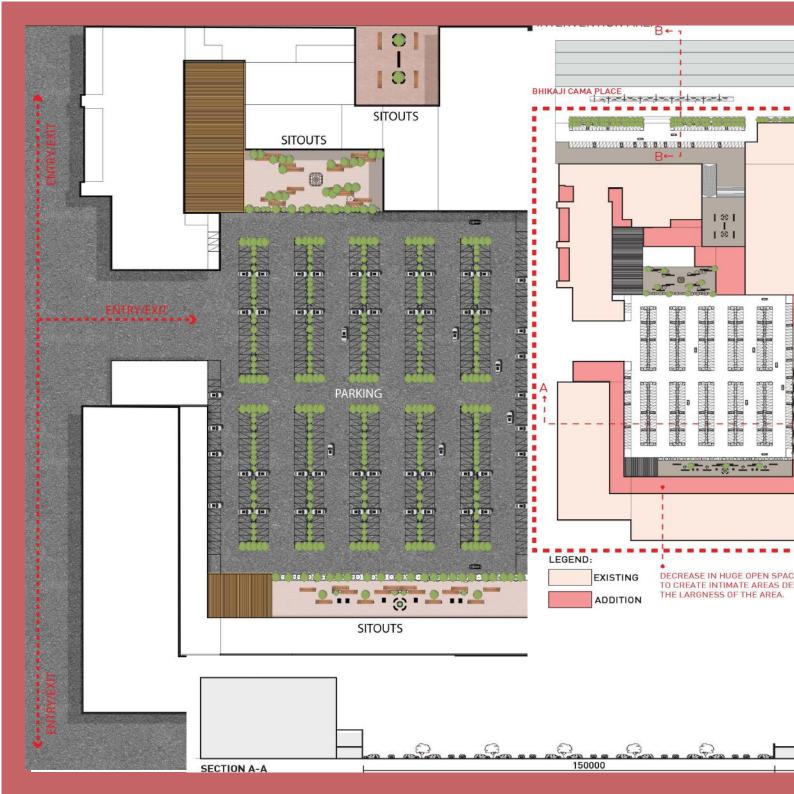
HEAT ISLAND EFFECT

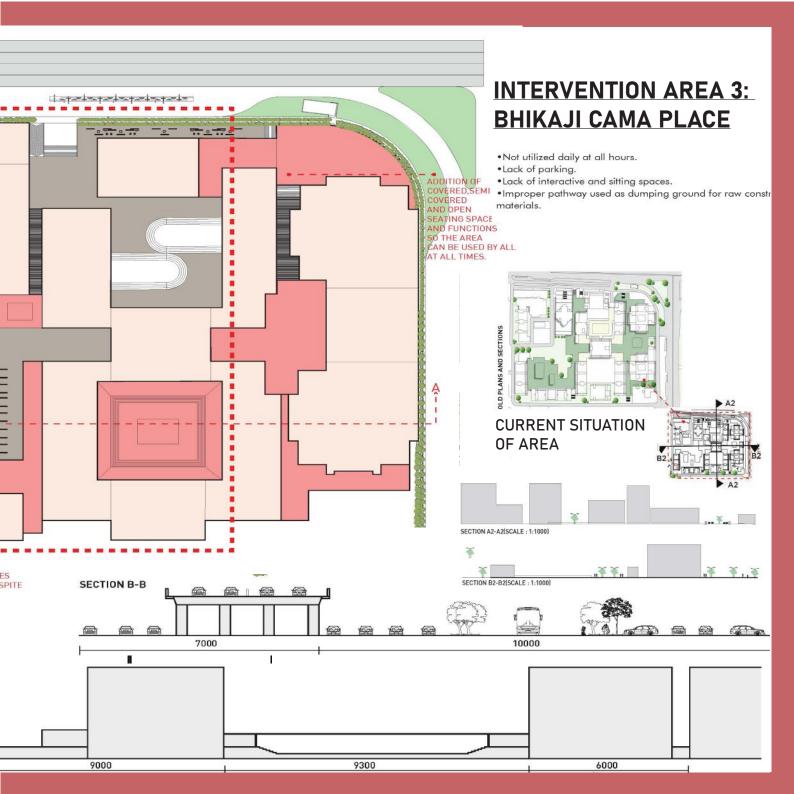


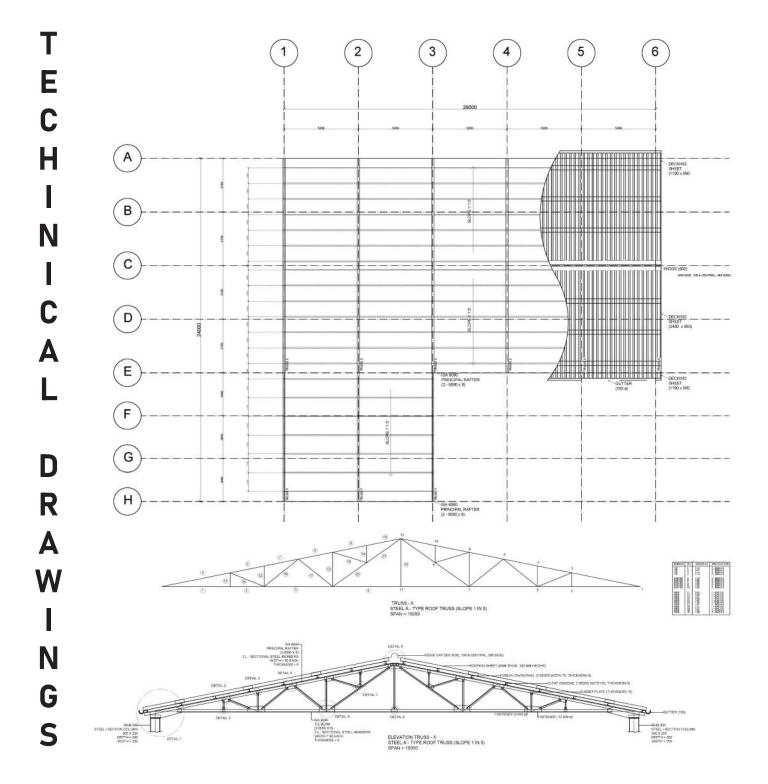


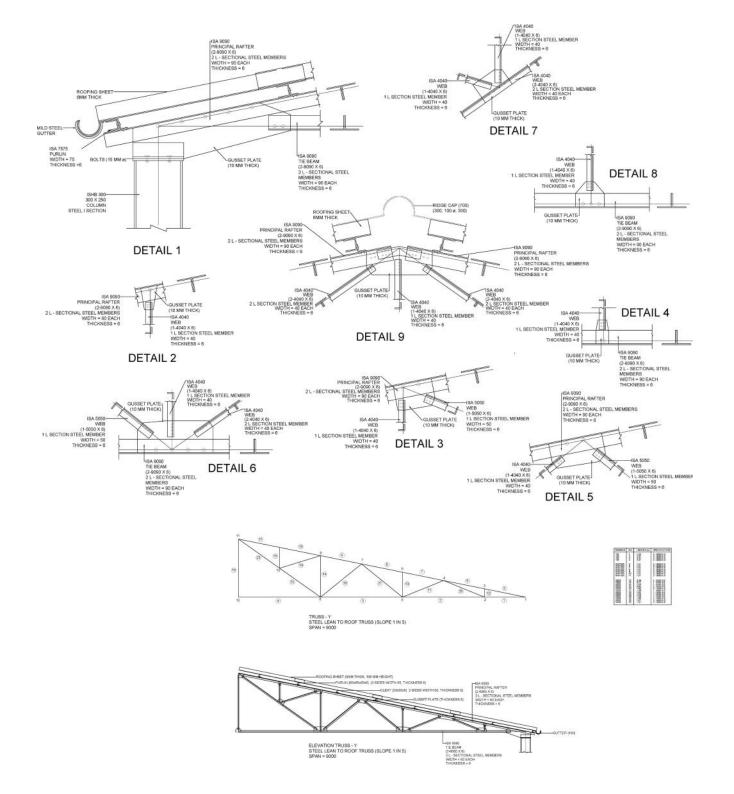


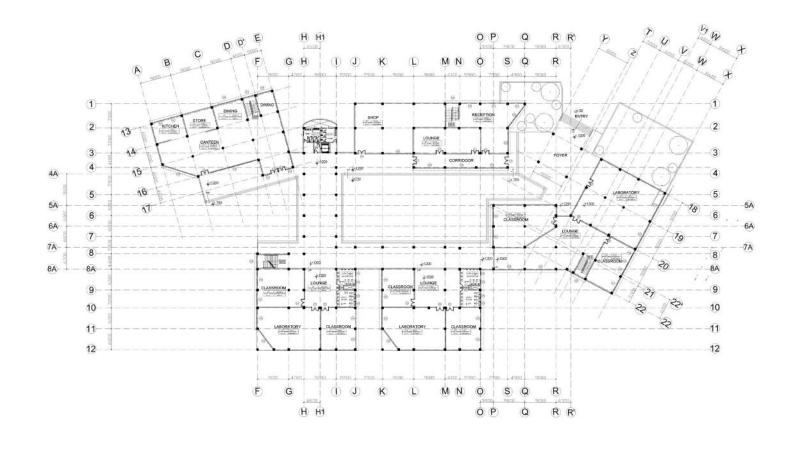


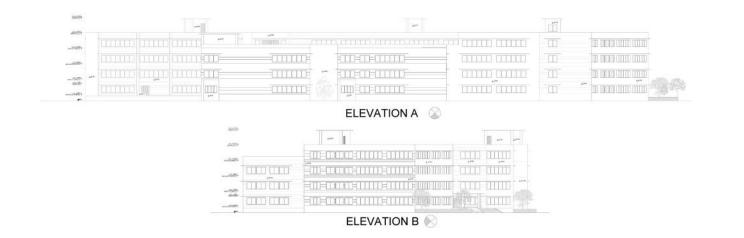


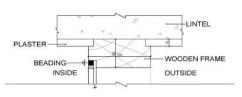




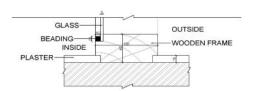




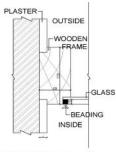




DETAIL 1

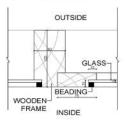


DETAIL 2

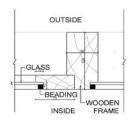


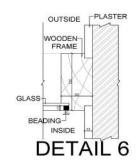
DETAIL 3

DETAIL 4

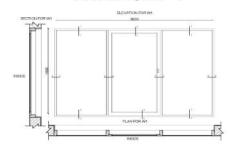


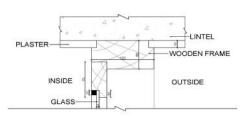
DETAIL 5



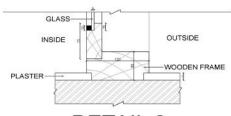


WINDOW 1





DETAIL 7



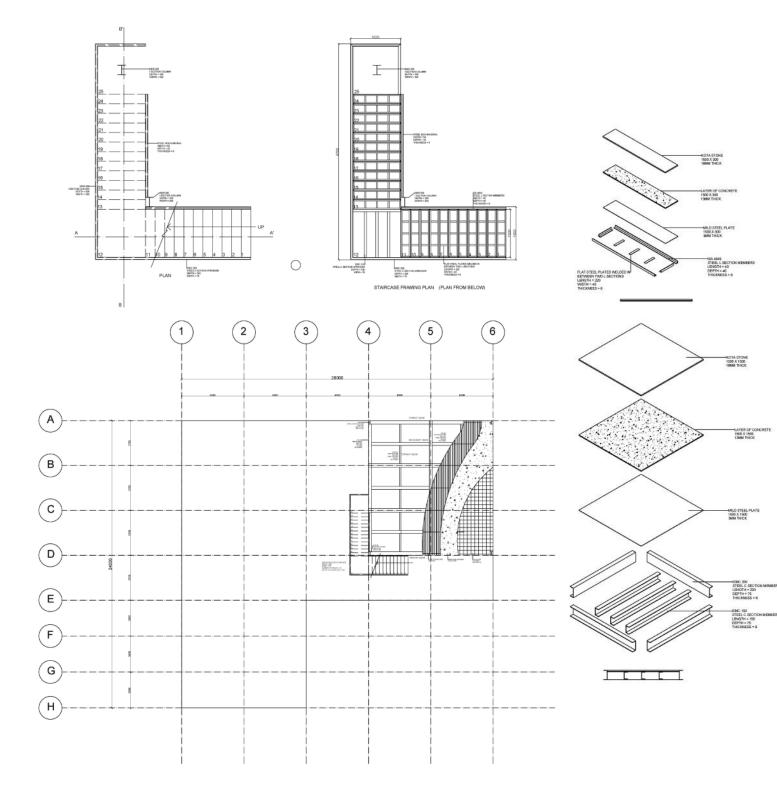
DETAIL 8

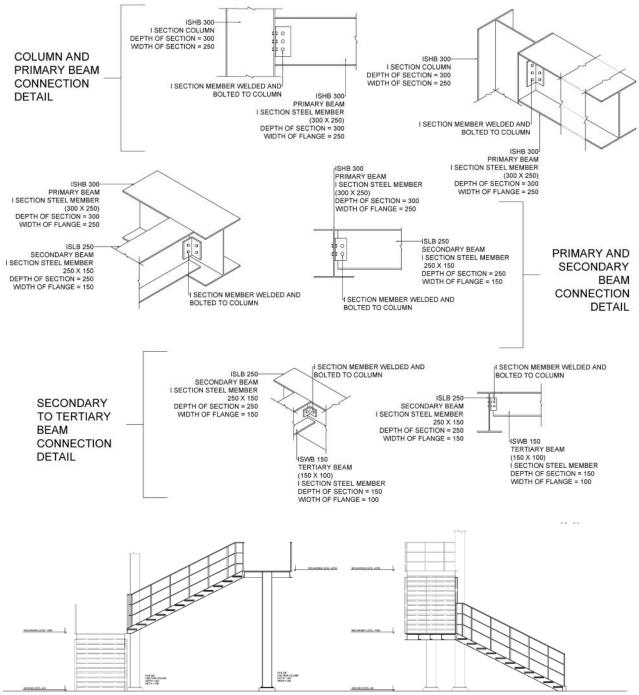


ELEVATION C



ELEVATION D





MISCELLANEOUS













MODELS-SEMESTER 3

