POR TFO LIO

AUNG NAING WIN

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Personal Information

09443208494

aungnaingwinarchitect@gmail.com 22, 28th st, pabedan, Yangon

Education

Bachelor of atchitecture (WYTU)(2019)

Work experience

Intern © Atelier 46 (6 month)

Cloudcity project @ DeArch

Commercial projects @ AUIS architects

Collaborations with Blue Temple .org

Computer skill

Autocad

Sketchup i Vray

Rhino

Adobe suite

Microsoft office

Language skill

English (fluent)

Japanese (beginner)

Burmese (Native)

+skills

Hand sketching

Model Making



aungnaing winarchitect (O gmail.com

PORTFOLIO CONTENTS

PROJECT NO 1

FLOR DA MANHĀ MOZAMBIQUE PRESCHOOL

(Archsterming competation 2019 with Blue Temple)

PROJECT NO 2

THE SKY SCRAP-PER

(skyhive skyscraper challenge 2019 with Blue Temple)

PROJECT NO 3

KWIN CHAUNG DRAINGAE UPGRADE

(with Myanmar Engineering Society & YCDC) (ongoing)

PROJECT NO 4

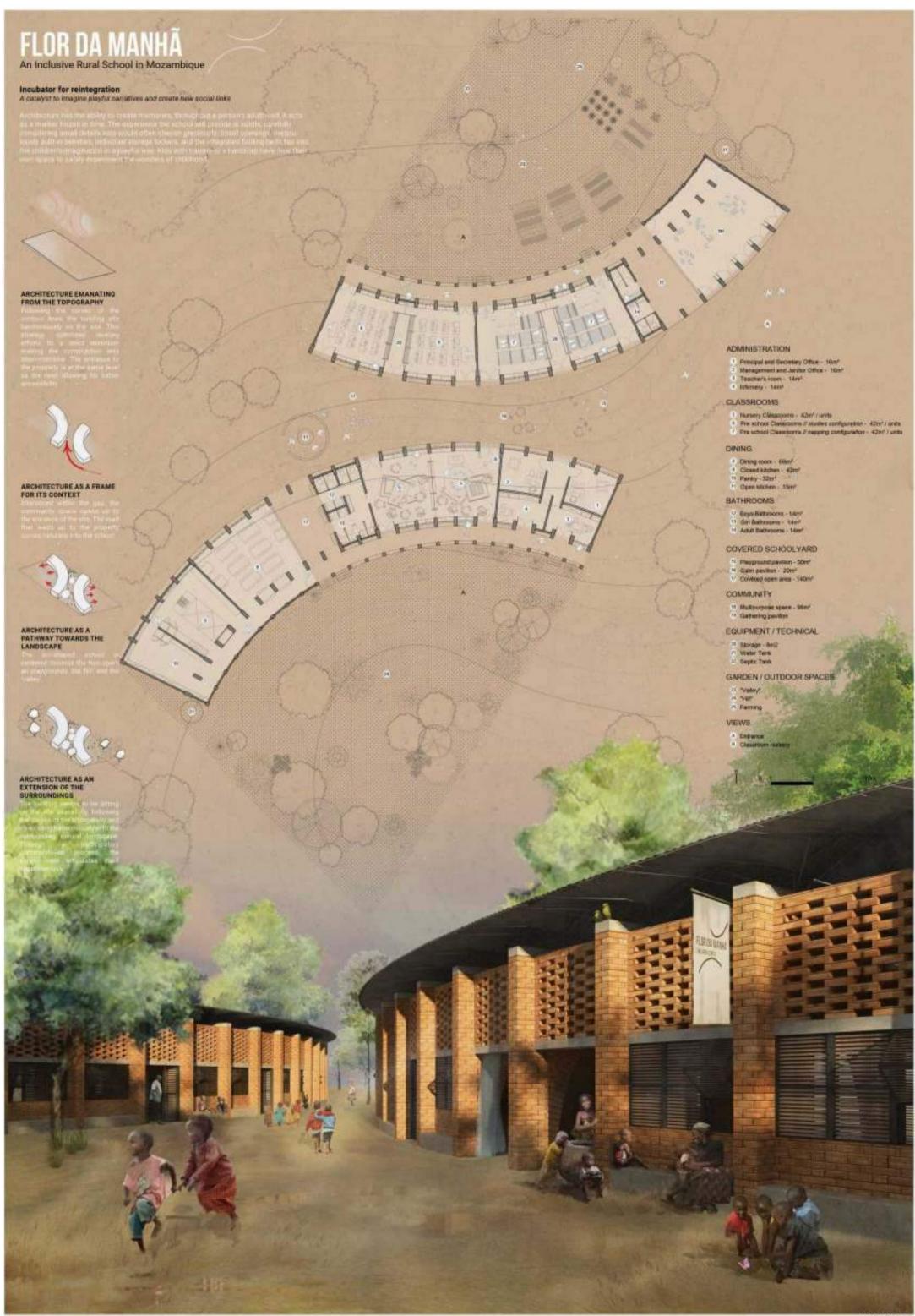
INSTITUTE OF ART

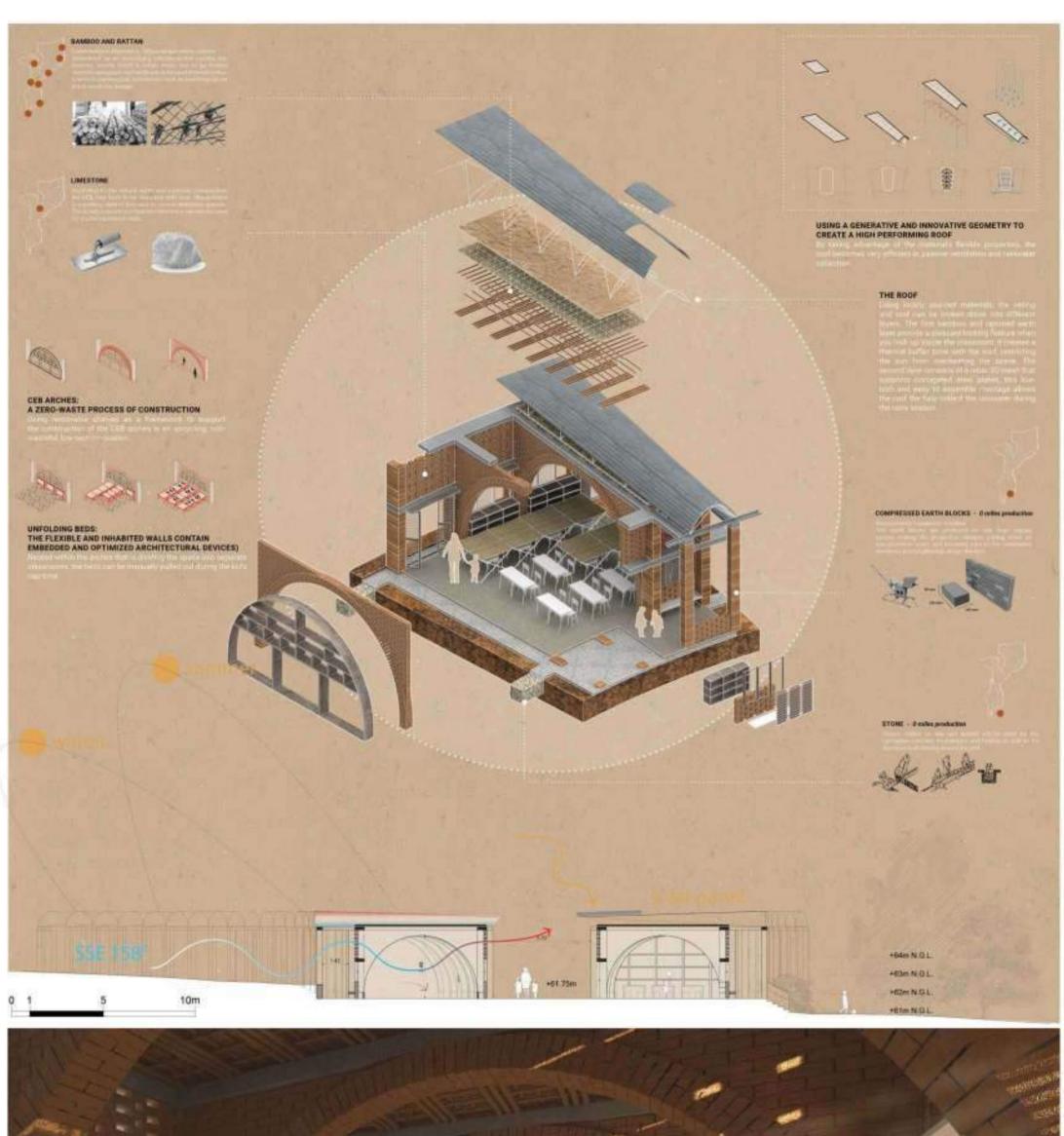
(Graduation project)

PROJECT NO 5

THE CLOUD CITY

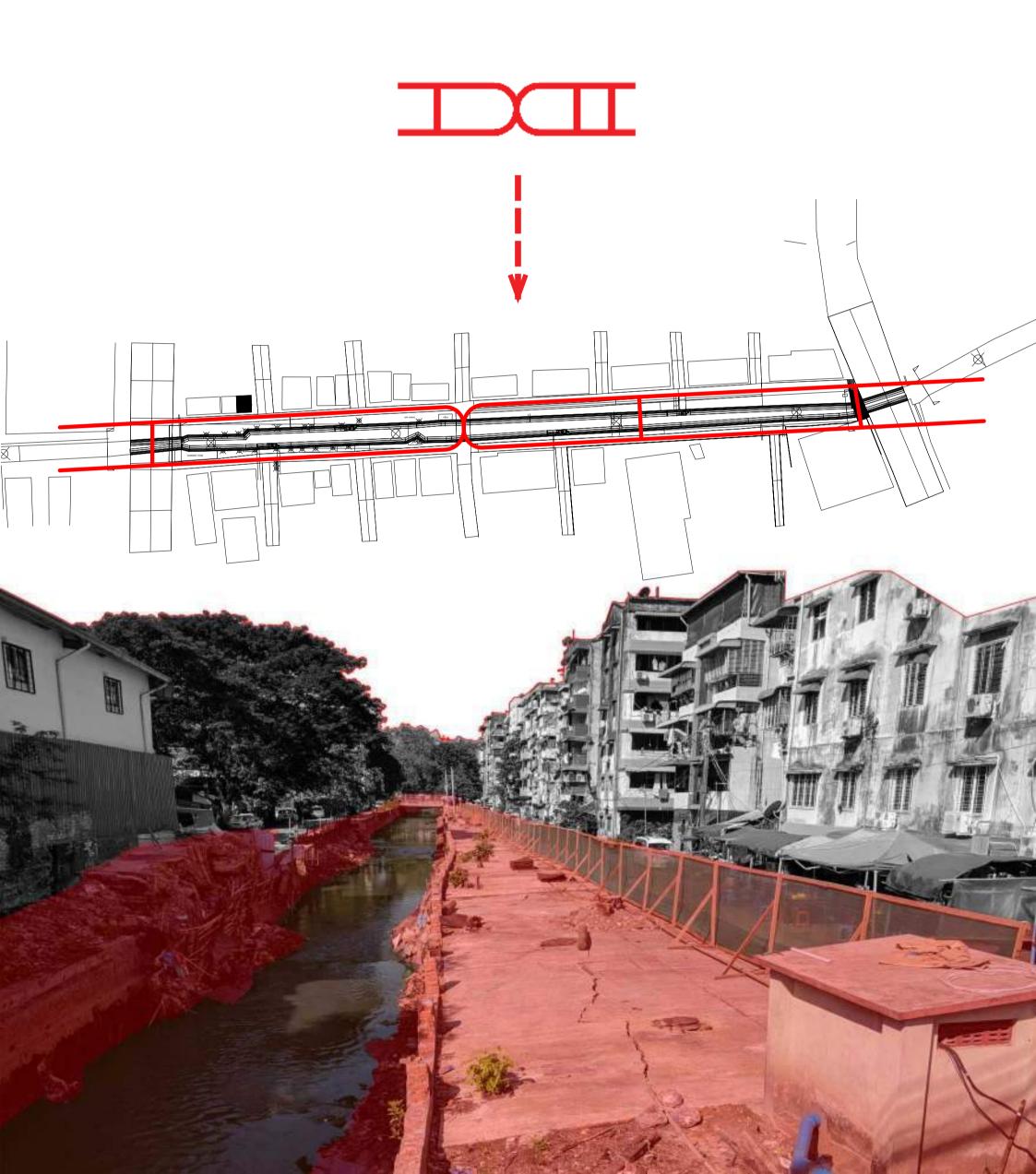
(Hakha masterplan project with DeARCH)



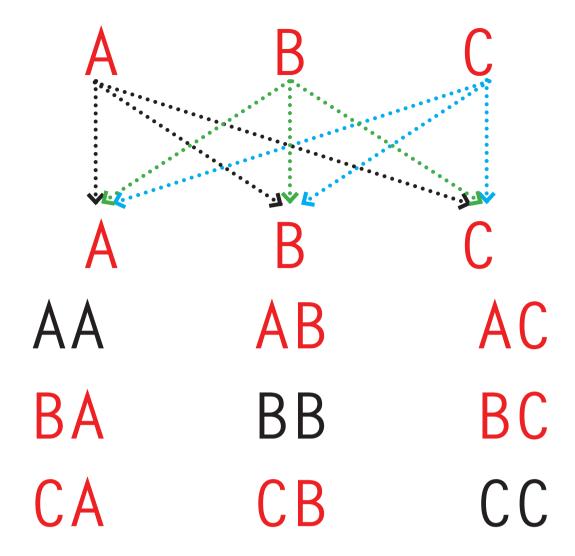


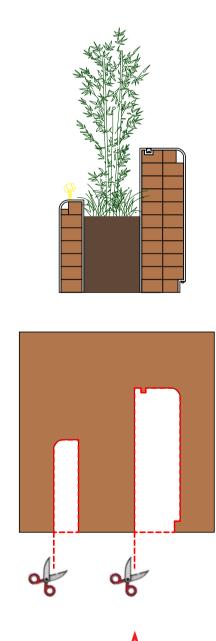


KWIN CHAUNG DRAINAGE UPGRADE



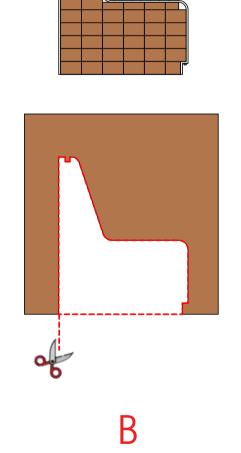
DNA AND SEQUENCES



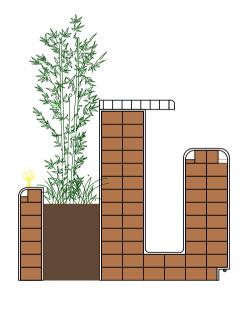


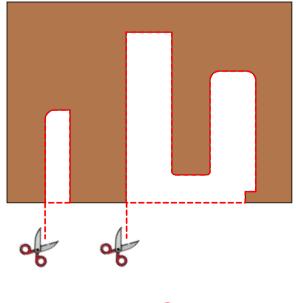
SIMPLE RETAINING RAILINGS

LESS INTERACTION



FOR SITTING

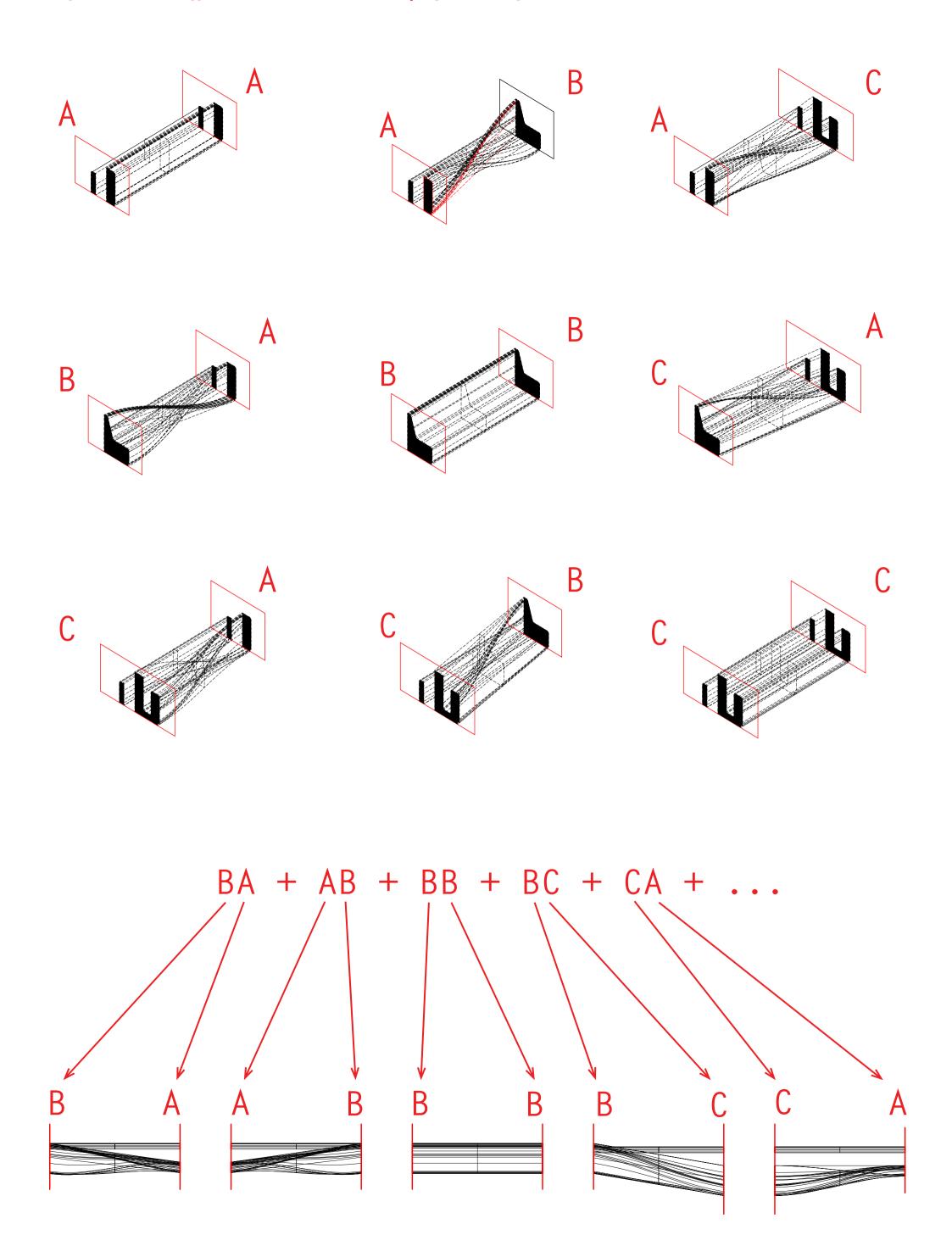




FOR INTERACTIVE ACTIVITIES

MORE INTERACTION

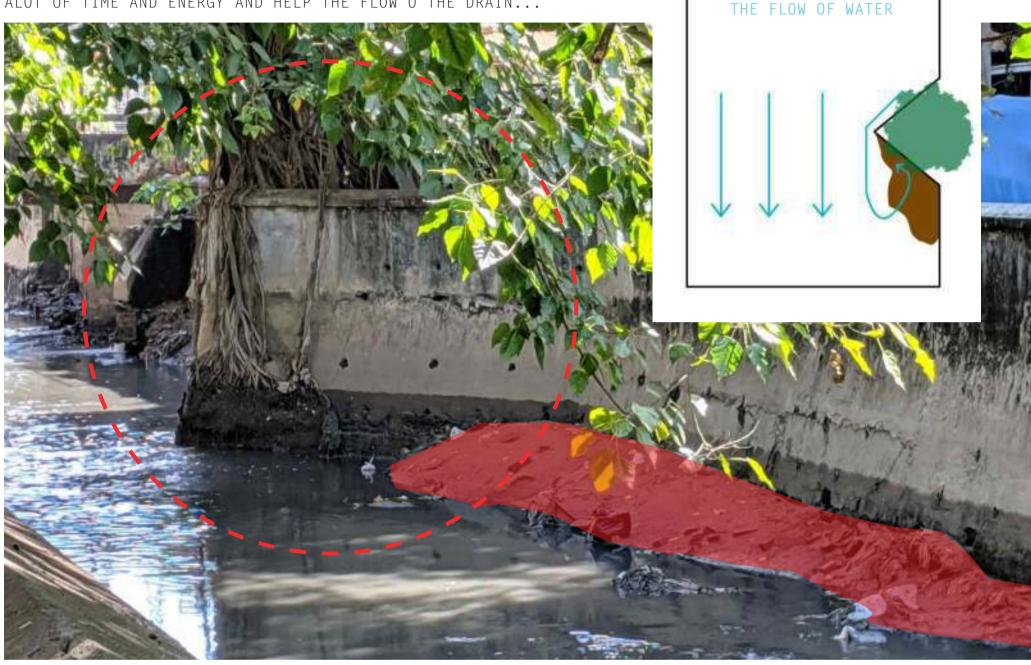
BUILDING HAND RAIL/SEATS



BUILDING THE BARREIR

UPON ANALYZING THE EXISTING CONDITION OF THE DRAIN, WE FOUND A VERY INTERSTING DETAIL WHERE THE ORIGINAL RETAINING WALL EXTRUDING INTO THE DRAIN TO PROTECT A GIGANTIC BANYAN TREE, COLLECTING ALOT OF SEDIMENTS BEHIND AROUND THE CORNER WHERE THE FLOW OF THE WATER IS BROKE DOWN AND SEDIMENTS SETTLE... WE TRIED TO INCOPERATE THE ACCIDENTAL DESIGN INTO OUR PROJECT BY RUNNING A SMALL SCALE TEST MODEL MANUALLY FOR DIFFERENT BARRIER SIZES AND LENGTH FOR 16 TIMES...THIS ALLOW THE CITY MUNI-

CIPLE TO COLLECT ALL THE SEDIMENTS AT OUR DESIGNED BARRIERS SAVIN ALOT OF TIME AND ENERGY AND HELP THE FLOW O THE DRAIN...



Best 3 Options for Sediment Collection

Attempt 16 (Final)



Option 1

- Maximum efficiency
- Ease of sediment pick up at a point
- All three structures work for sediment collection
- Costly but cost effective

Attempt 15



Option 2

- Moderate efficiency
- Ease of sediment pick up
- Two straight barriers serves only for support but not for collection
- Sediments left behind them
- > Costly but not as option 1

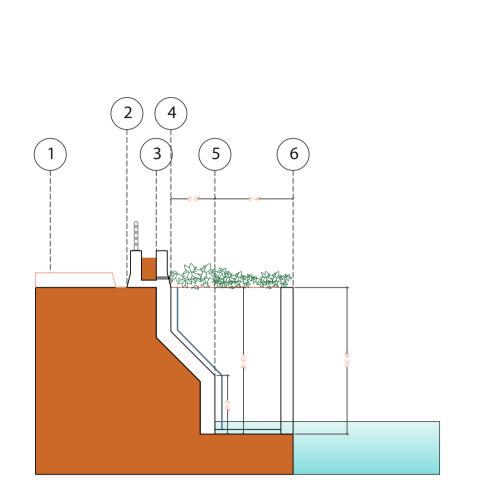
Attempt 14

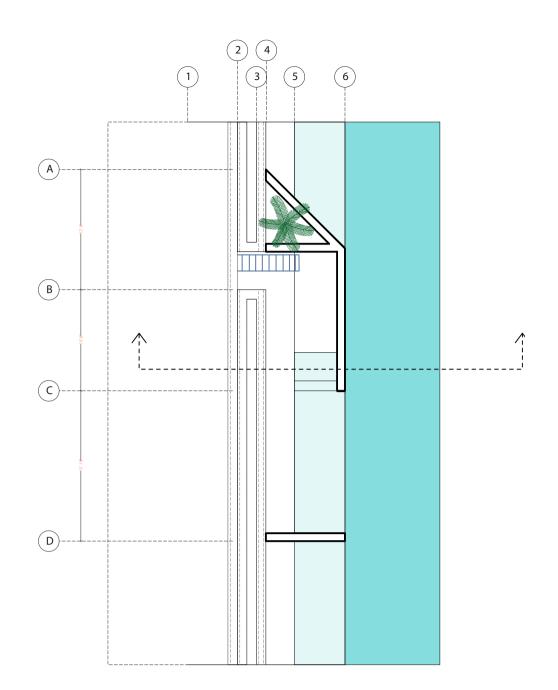


Option 3

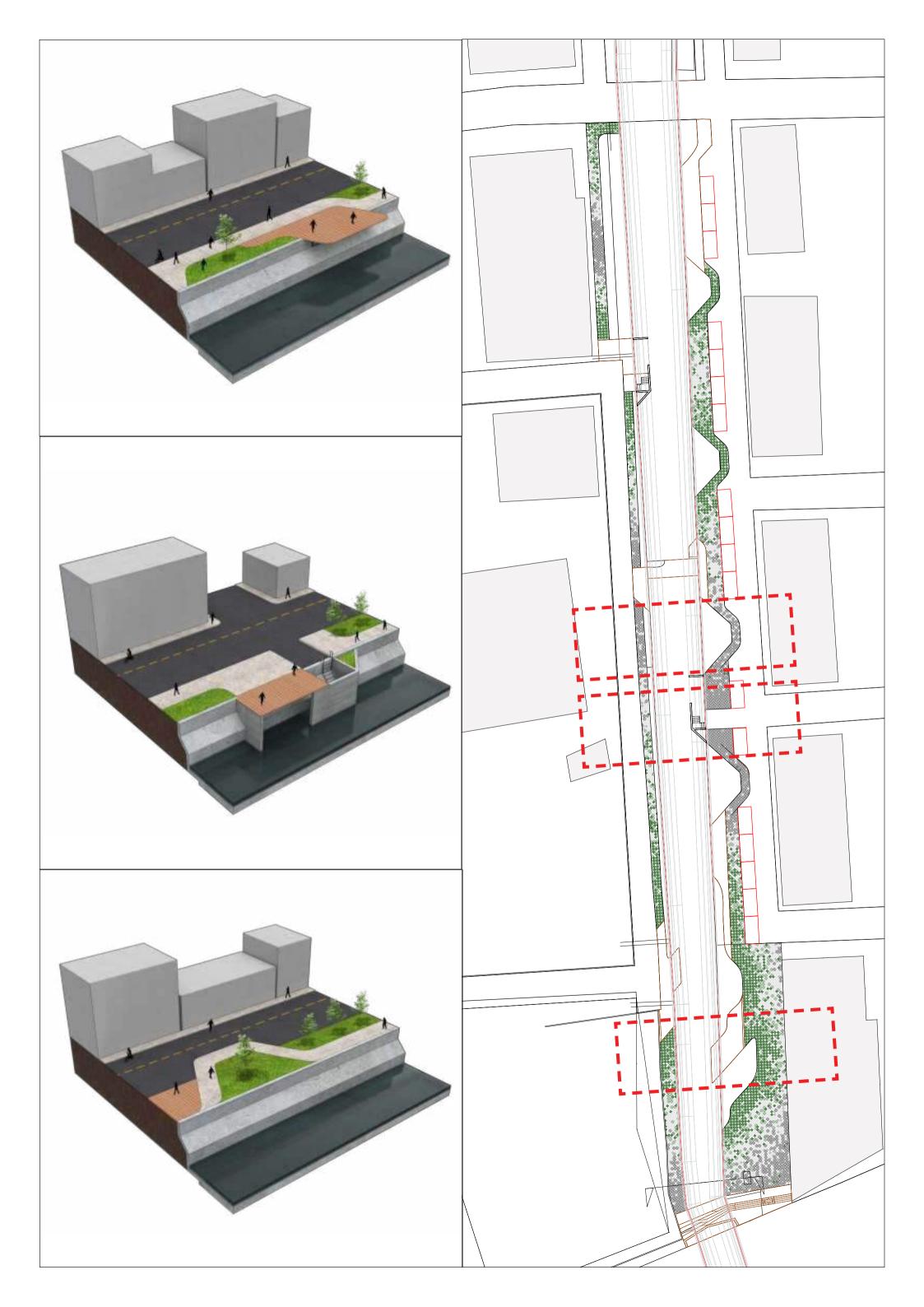
- Normal efficiency
- Sediment collection is one-sided
- The smaller obstacle helps water flow change its direction and make collection in larger one
- Straight barrier for support
- > Less structure and thus cheaper

THE BARRIER DESIGN









THE SKY SCRAP-PER

VERSION 1.0

The project is based on the very idea of the organic urban growth where we can build vertical structures with certain freedom of choice for one's lifestyle and community. The project also explores on how we can reuse certain recycled materials in the building. This type the architecture is heavely relied on how communities can improvise, adapt and overcome difficulities and grow as a better community in every aspect of livehood...





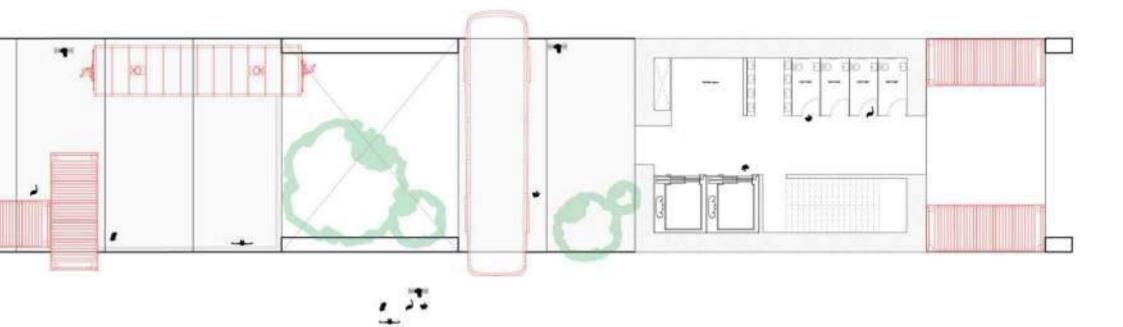
The Skyscrap-per

Myanmar, Yangon

The tower acts as a shelter for homeless community living in the streets of downtown Yangon. Proposing a radical solution for new inclusive development scheme to the city, the tower positions itself as the start of a questioning regarding a currently growing urban problem. The housing shortage is real, and homelessness is increasing every year. Community led housing projects are scarce and need to be encouraged. The Skyscrap-per provides a flexible frame the community can self-appropriate and accomodate into building themselves their homes. The frame itself was designed simply to limit the construction cost as much possible.

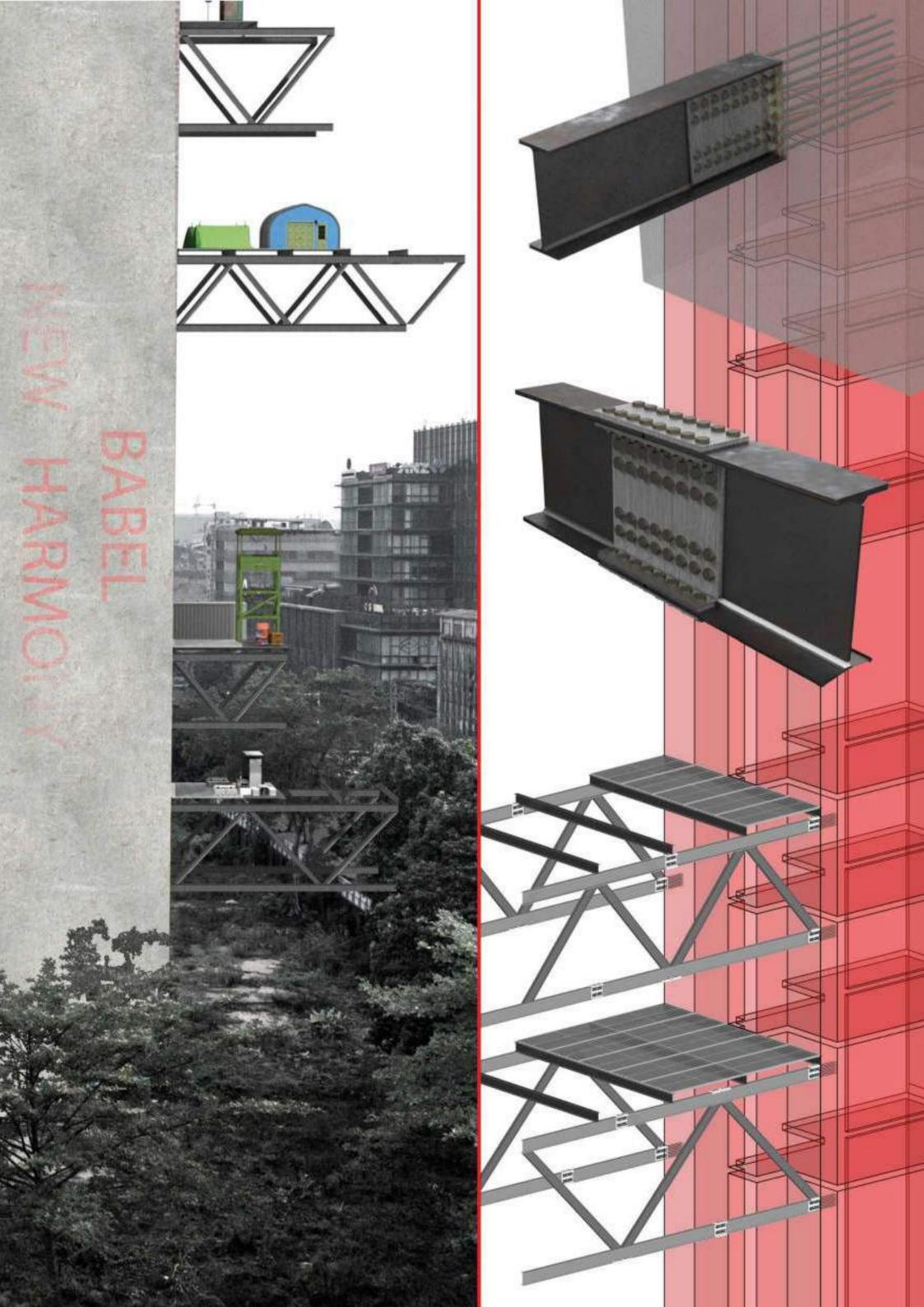
The tower is divided into 3 zones. Firstly; the "feet"; they are the connection to the site and the city. The ground floor is allocated to public space, meeting point between the tower dwellers and the city dwellers, within that connection space can flourish interactions taking the shape of a market, urban farming, playgrounds and resting area. Secondly, the central part of the tower is reserved for the inhabitants. The space in the inside of the 2 cores could be considered residential space, whereas the spaces on the outside of the cores are shared (school, treatment center, water tank). The cores themselves are for elevators, bathrooms and shower, kitchen and emergency staircase. Lastly, the roof of the tower is purely for technical purposes, a community operated crane that carries the newly build homes inside the frame, a humidity harvesting membrane and urban wind turbines for electricity.

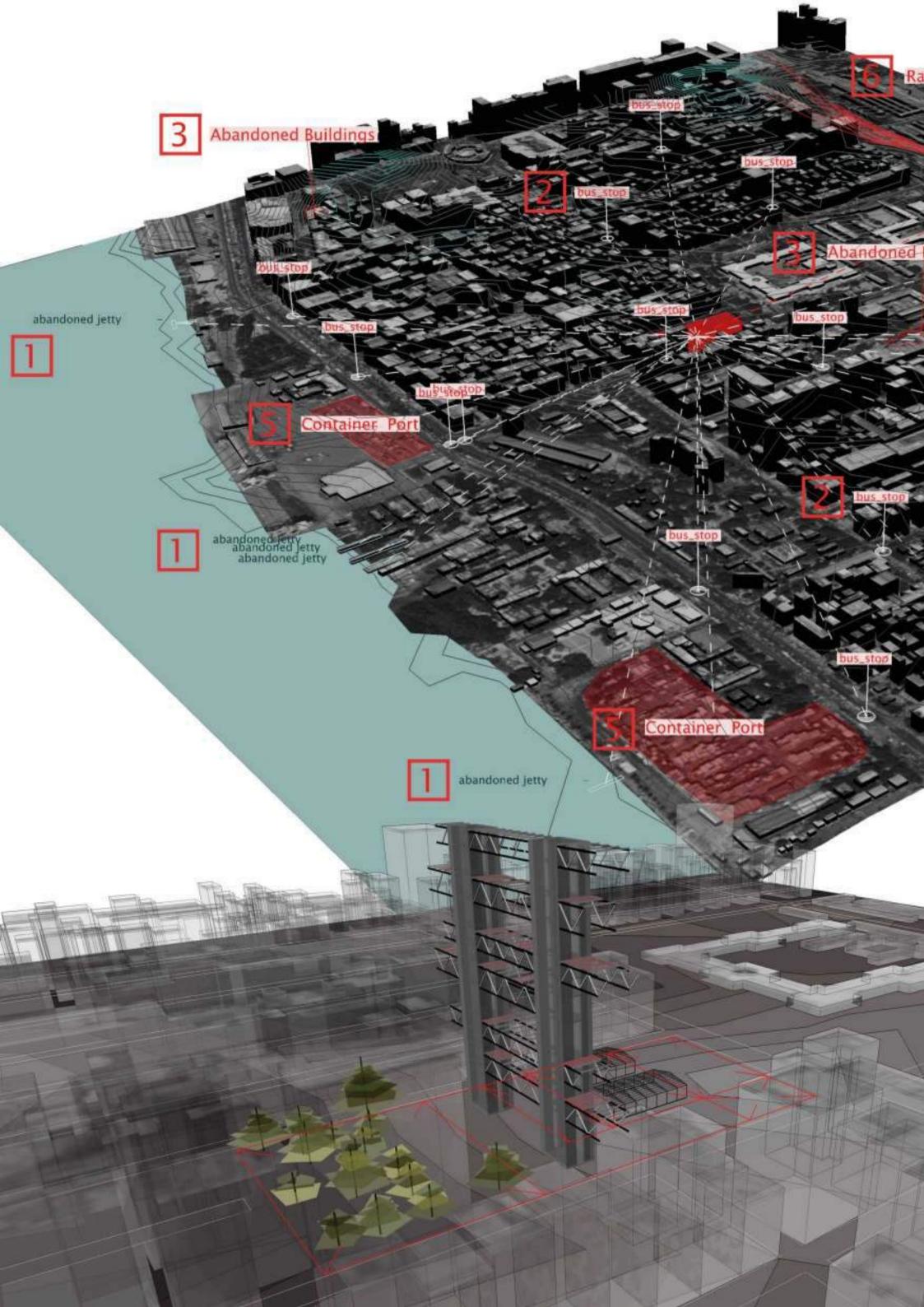


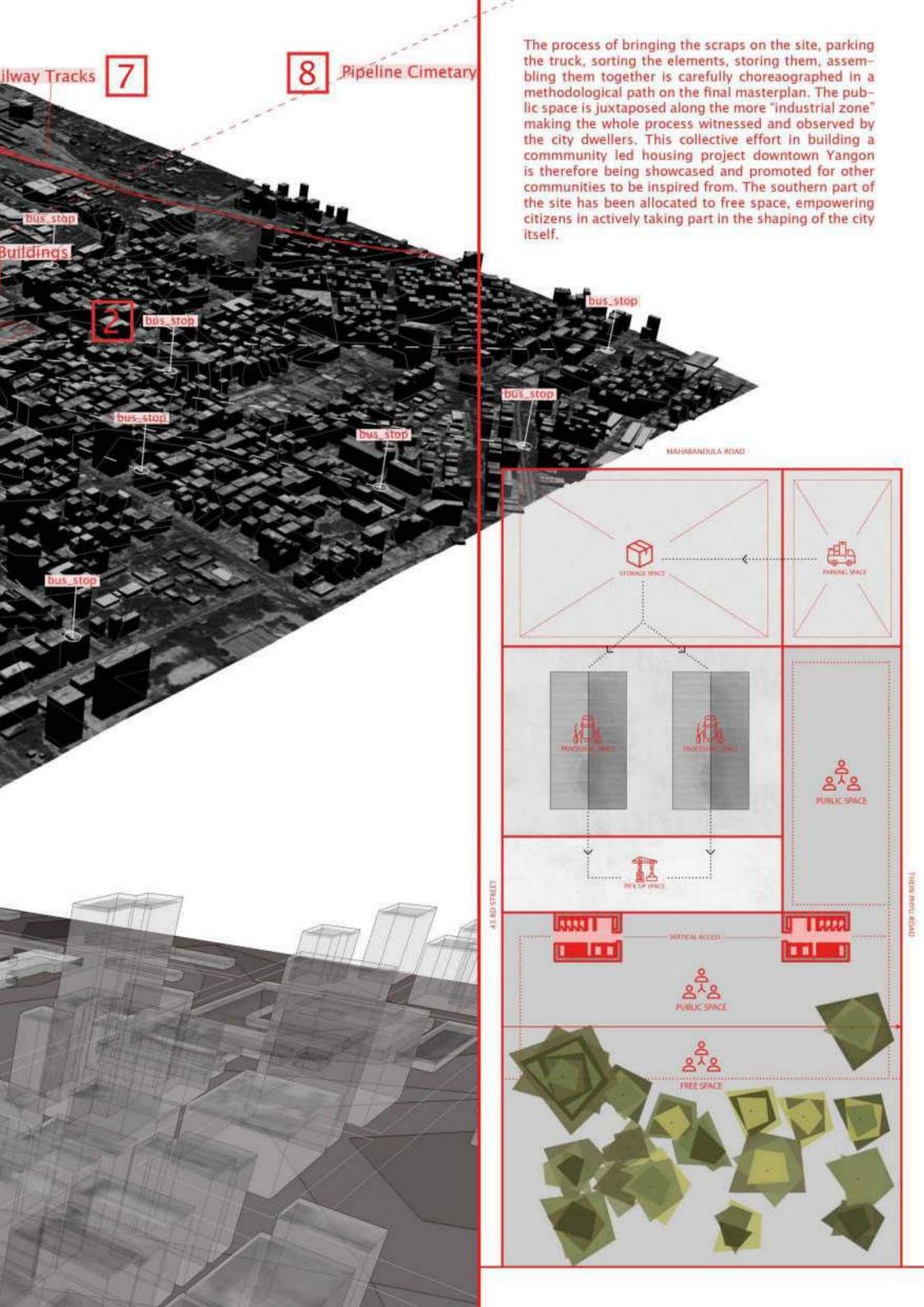














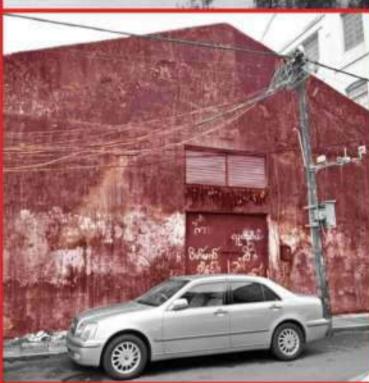
With the "Korea Friendship Bridge" connecting Dala and Yangon planned to finish in 2021, there are more and more abandoned local jetties along the Irrawaddy waterfront





Building

Many former warehouses are abandoned in downtown Yangon since the creation of shipping container ports along the riverfront.





Container

As the shipping container port in relocating to the Ahlone township south east of the city, many containers are left abandoned in the old one.





Build in 1940 during the colonial times, the water pipeline is being upgraded by JICA (Japan International Cooperation Agency) with a large scale project caller the Greater Yangon Water Supply Improvement Project.





Bus Stop

FMIDecaux has recently won and Transfer (BOT) contract of stops with YCDC (Yangon Cit Committee)



Bus

YCDC (Yangon City Development of the China, trying to replace the Control of the City of t



JICA (Japan International Coo cy) has just started the Yango way Line Upgrading Project, a former train wagons by faste hte old ones obsolete



JICA (Japan International Coo cy) has just started the Yango way Line Upgrading Project. I tracks are seen laying along



a Build, Operate over 500 bus y Development





nent Committee) low buses from ld second-hand ormely used in



peration Agenon Circular Raileplacing the r ones, making



peration Agenon Circular Railformer railway the paths.



Our site size: 176m x 89m Total area: 15,470 sqm

Township: Botahtaung Township

Ward: No (8) Ward

Inclusive development is crucial for a city's well being, this proposal is making a statement to welcome back the "leftover" people of our society into our cities as recognized citizens with basic human rights to decent housing. Architecture has the ability to address social concerns and change the shape of a city to resolve these conflicts through design. Architects should be catalyst to participatory processes for solution finding instead of patronizing technocrats who impose their vision of the world and subjective perception of beauty.

Experimenting different forms of aesthetics gives us the changes to explore new possibilities in architecture outside the conventional frame of academic standards and textbook definitions. The same thought process can also be pushed into space organization and program. Challenging the current skyline in Yangon with new buildings proposes a new symbol for the city, as a new vision for development. In the context of emerging capitalist architecture portrayed by the overwhelming number of shopping centers and high-end condominiums popping out of the ground like daisies, a new typology of building is much needed to address local concerns and needs. Squatters have been living on the margins of society in Yangon, benefiting from the abandoned colonial buildings downtown to seek refuge. However the struggled is real, they lack human basic rights that include access to school, a roof and food. This project represents an opportunity to explore radical ideas that would change this status quo and provide new frontiers for Yangon.

Our site, facing the "Secretariat", south-east asia's largest colonial building, home to the English co-Ionial administration where General Aung San got assassinated in 1947 could today be understood as one of the symbols of authority in Yangon. Our juxtaposition creates a confrontation, challenging the authority in proposing a new social hierarchy through architecture. Often perceived in sci-fi dystopian depictions of social order, as a distorted reflection of our own society, vertically is reserved for the wealthy and powerful, while horizontally is reserved for the people operating the towers. Allowing a flip to be made through the accessibility to vertical structure by homeless communities promotes new forms of inclusive urban development in city centers.

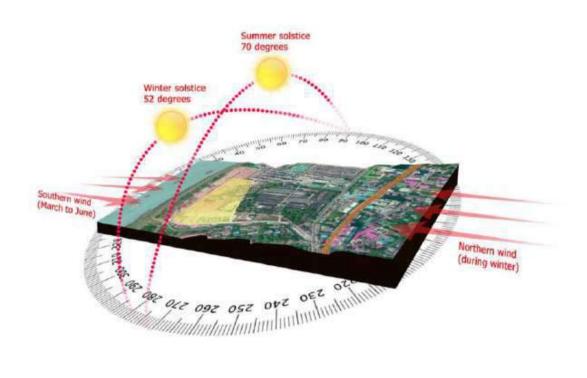
This same process could be applied to architecture itself, upcycling the abandoned materials and artifacts from the city into homes. It underlines the idea of a community-led housing project where the architect is providing a flexible frame within which would be custom created by community members their own dwellings. Creating a librairy of abandoned "raw materials" found at a radius of 1 mile from the site, they could be assemble together into compositions, as a collection assemblages. This could be understood as an act of self-determination, independence, citizenship and hope.

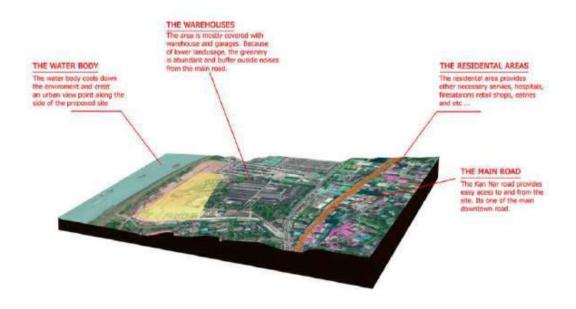
Some of the references we used are:

- "100 Towers, 100 Architects" Hong Kong Pavilion at the Venice Biennale 2018
- SCI-Arc's "Homelessness Charrette"
- "Promenade des Artistes" Quartier des spectacles in Montreal, Canada
- Kowloon Walled City: "City of Arnarchy"
- "Torre de David" in Caracas, Venezuela
- "Half A House" in Chile by Alejandro Aravena

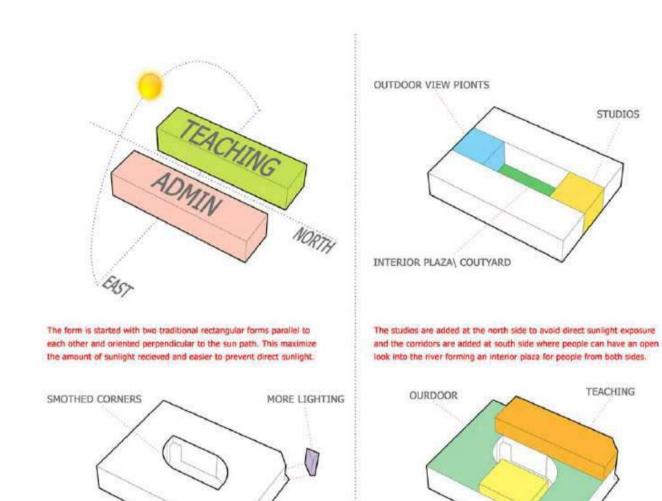
INSTITUTE OF ART

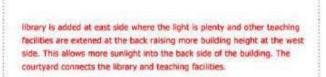
The site is located on the ahlone river bank with its two main sides facing north and south and the smaller sides facing east and west respectively. Its closed to the main road from downtown and the residental and service zones are also close by. The neighbourhood of the site have alot of greens and the yangon river cools the site temperature down...



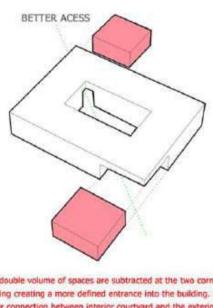


The concept of the main building

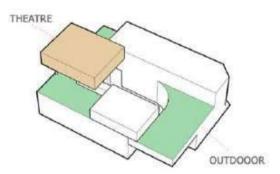




LIBRARY



Two double volume of spaces are subtracted at the two corner of building creating a more defined entrance into the building. It creat a better connection between interior courtyard and the exterior podium.



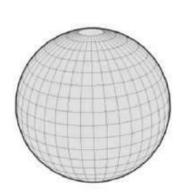
The theatre is added on top of building and overhange at both sides facing the river. The height advantage of the theatre allows it to the best viewpoints to the surrounding areas.

The concept of the gallery

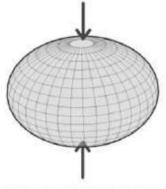
A portion of volume is subtracted at the north west side of the building,

letting more light into the building. The interior corners are rounded off

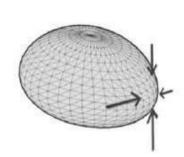
to reduce the stiffness of the space and to connect easier between zones.



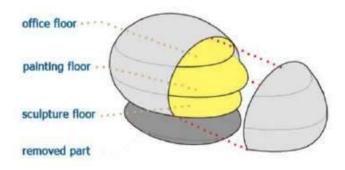
The design is based the form of the sphere which represent free form and unstability. The high ratio between the human propotion and the size of the sphere make the form iconic.



To achieve the a better floor to cieling ratio, the form is pressured at both top and bottom resulting in an oval shape.



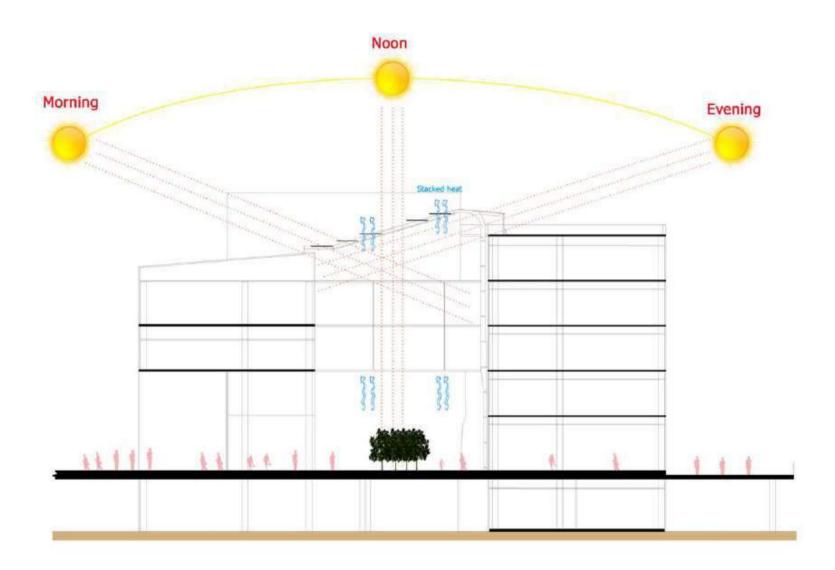
The oval shaped shell is then pressured at a certain corner from all side to deform into a more organic form.

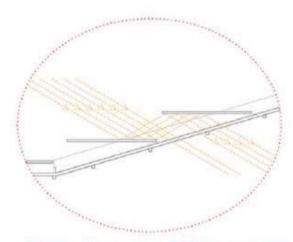


The form is divided into 4 slices horizontally and the bottom part is removed. The upper 3 floors are turned into functional floors.

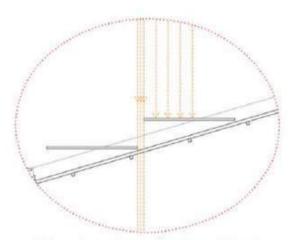












Direct sun ray during mid-day

The atrium roof is designed in a way that the interior facade of the bigger building extended into the atrium and connected to the library on the other side. The top of the roof is covered by solar cells to buffer direct sunlight into the atruim. Since the roof is inclined to the east, the gaps between the solar cells allows morning sunlight into the atrium. As the sun is higher, the gap become smaller to limit high intensity sunlight.



Р THE PARKING LOT



THE LIBRARY



THE CLASSROOMS



THE GREEN ROOF



LOBBY AND RECEPTION



THE THEATRE



THE PUBLIC PLACES



THE SOLAR ROOF



THE OFFICES



THE CAFETERIA



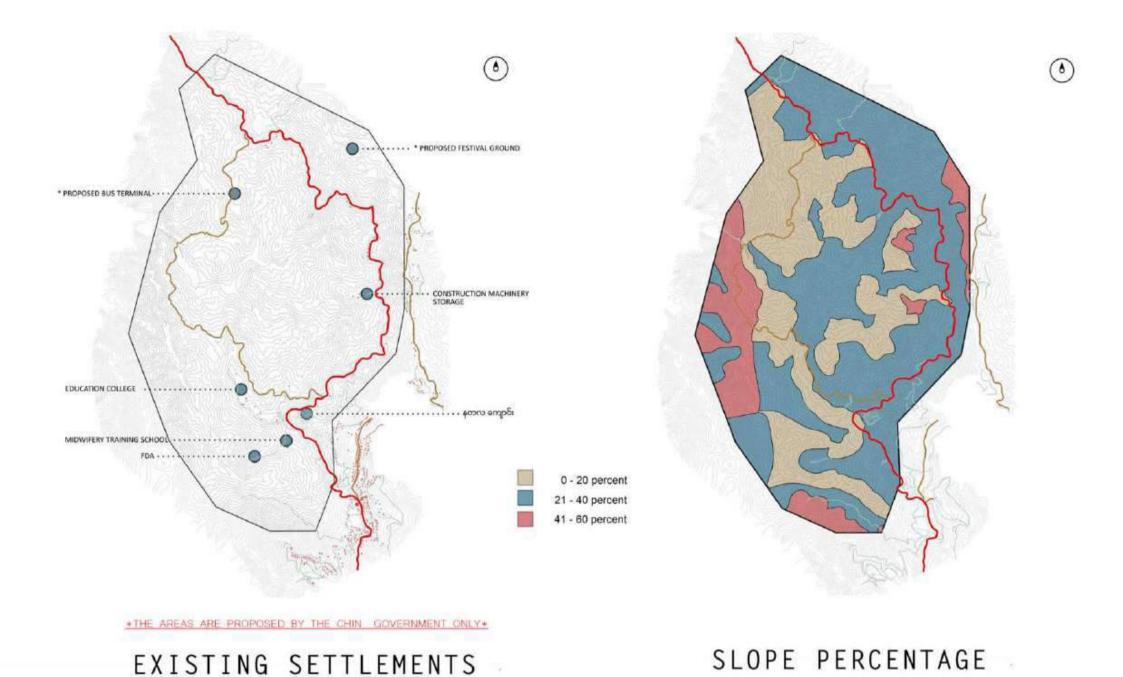
THE M&E ROOMS

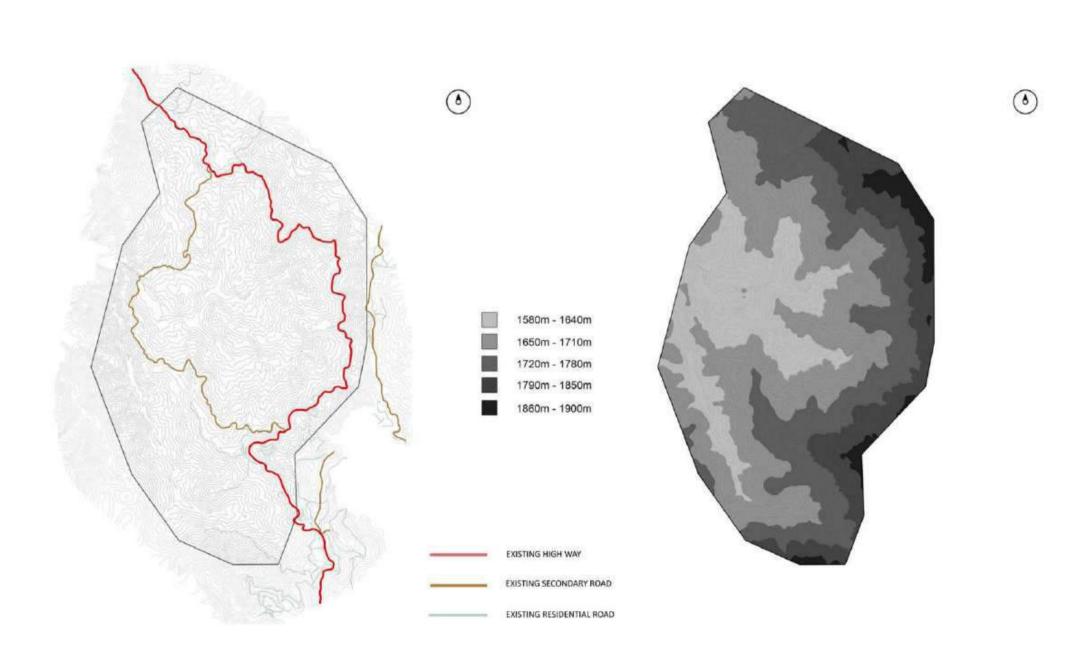




THE CLOUD CITY

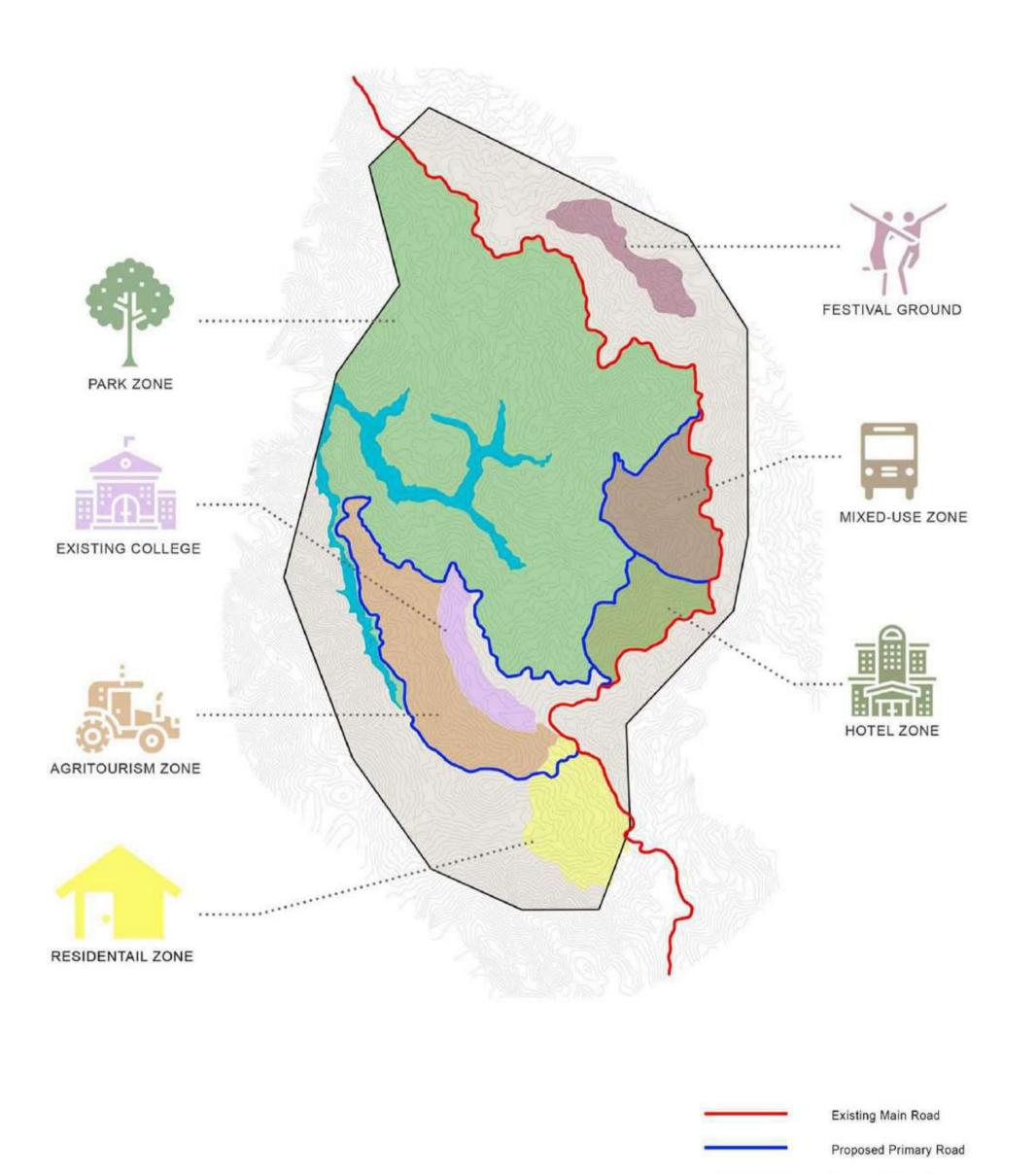
The very west corner of myanmar is covered by spectecular hills along the boader of india, where alot of chin traditional heritage and their century long historical memories and the city is by the unfortunate landslide in 2015. After the tragedy, the Chin government attempted to reshape the city in to a more of culturally interacative tourist city to boost their economy and their ways of livings ...





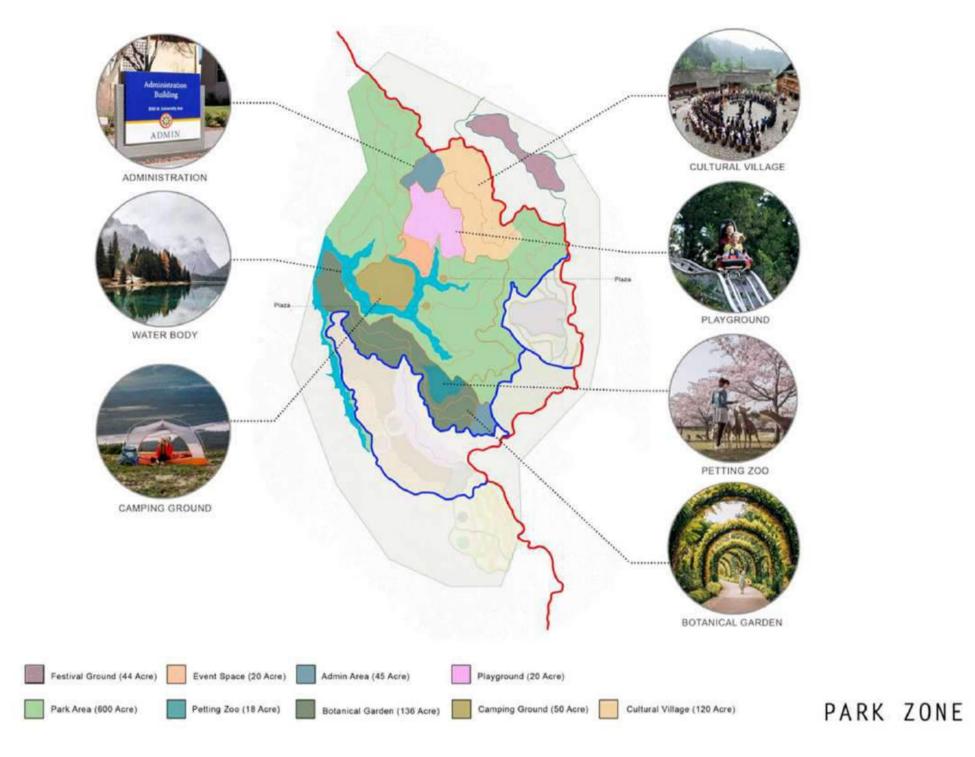
EXISTING ROADS

ELEVATION STUDY



Proposed Secondary Road

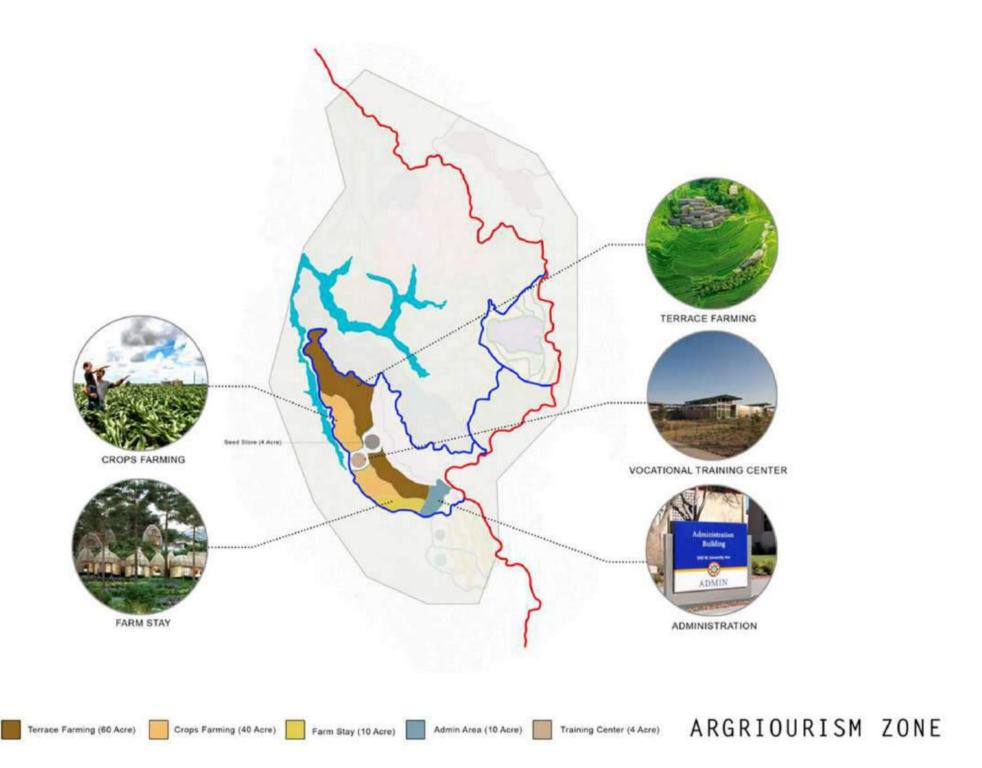
Proposed Connector Road

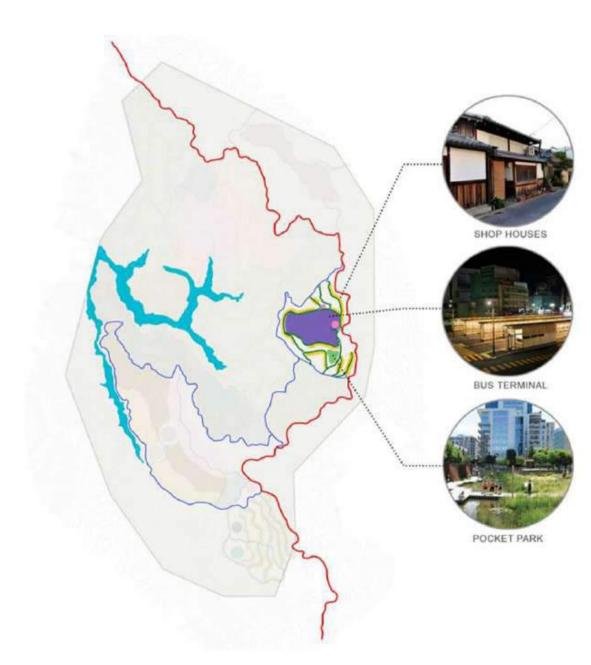




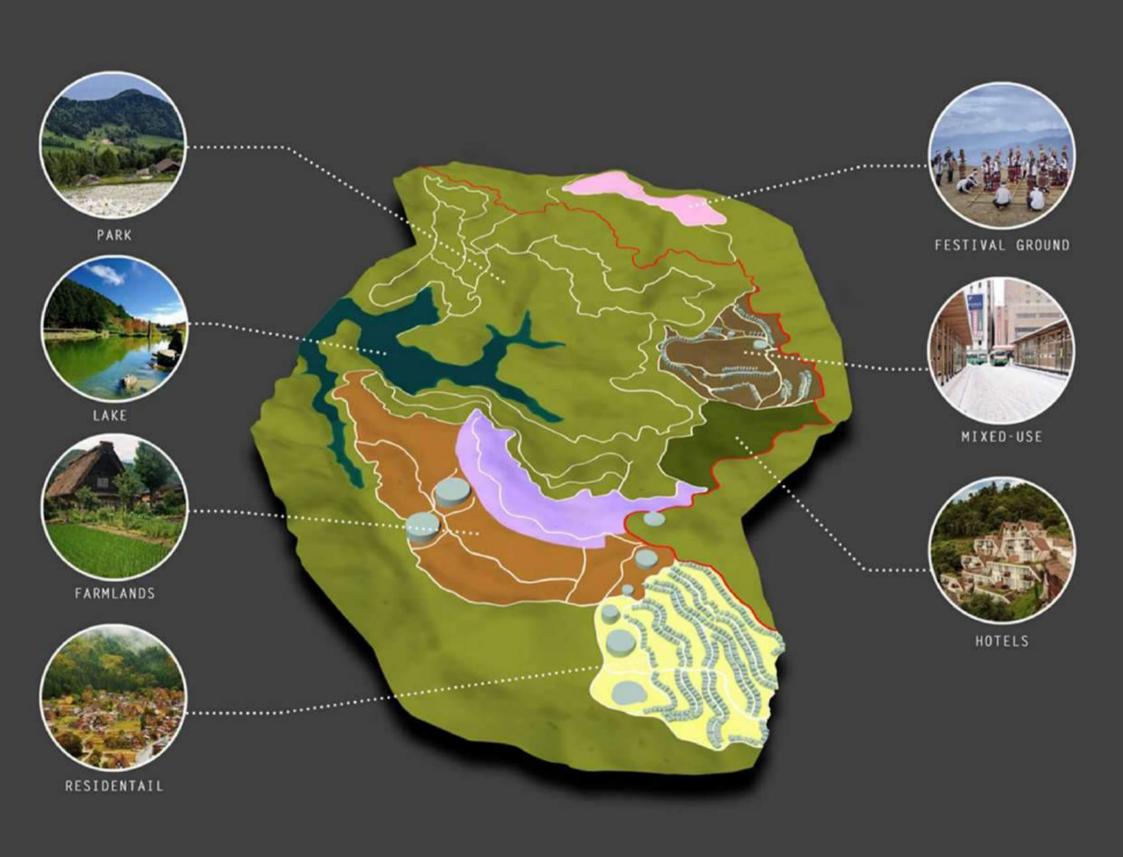
Residential Area (393 Ptot)

School (3 Acre)





Shop House (166 nos) Bus Terminal (33 Acre) Pocket Park (2 Acre)













A PANDURIE WITH





