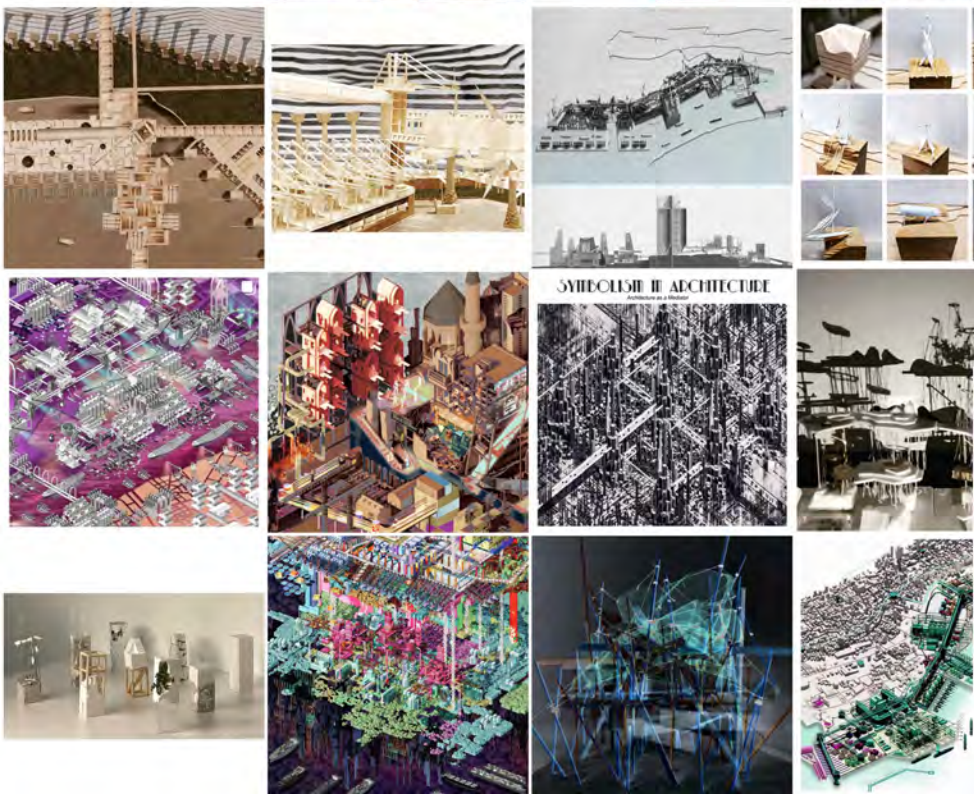


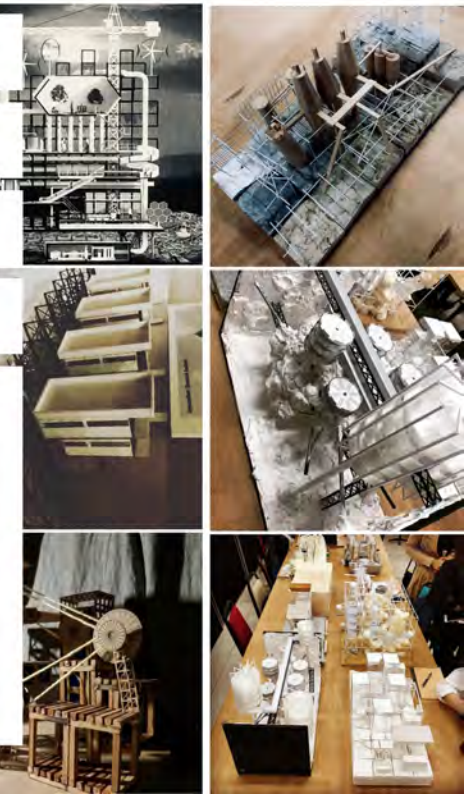
@worksbythem



a documentation of selected UNIT B works
school of architecture and built environment

UCSI University
2020 -2023

Bakhtiar Amir
Jason Lim Zhe Hui





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Edited by Bakhtiar Amir and Jason Lim Zhe Hui
Cover Design by Bakhtiar Amir and Jason Lim Zhe Hui

PROLOGUE

@worksbythem captures the essence of Unit B at the School of Architecture and Built Environment, UCSI University, where the spotlight shines on contemporary issues and community empowerment within the architectural realm. This documentation showcases the innovative works of selected students, reflecting a commitment to shaping spaces that not only meet design standards but also address the evolving needs of our built environment and communities.

From the reconstruction of Beirut Port, the forgotten industrial heritage of Brickfields and to the indigenous community of the Bateq in Kelantan, who are at the brink of extinction: The Unit tests out a semi-structured pedagogy in varying conditions at both ends of the rural-urban transect extremes. Theoretical narrations and physical manuscripts are not merely a manifestation of poetic flair, but a heuristic device that binds intents at inter-relatable scales. These are substantiated within the broader landscape of historical and phenomenological realms of certain localities. We explore the notions of ambiguity, imperfections and emergence that results in potential synergies and intriguing non-synthetic gestures. With emphasis to the process, we discuss on how the inherent qualities translates and adapts based on the perspectival interpretations of each context unique circumstances, into both tangible and intangible architectural manifestations.

In honing their architectural prowess, students are urged to cultivate a profound theoretical and hands-on grasp of diverse conditions and analytical methods. The goal: to emerge as responsible and critical individuals in the built environment, employing critical thinking and creative ingenuity to shape their distinctive architectural ethics—a synthesis that aspires to construct a future resonant with the echoes of the past.

Bakhtiar Amir

UNIT B Coordinator



PROLOGUE

In the imminent wave of the next Industrial Revolution, a pioneering architectural philosophy emerges—one that transcends traditional paradigms and delves into the intricacies of harmonizing urban spaces with the natural world. This transformative approach is fueled by the imperative to address the evolving demands of our era and to shed light on the imperative connection between architecture and societal awareness, particularly in the face of encroaching urban gentrification.

At its core, this architectural philosophy envisions structures that coexist symbiotically with their surroundings, embodying a commitment to both environmental integrity and human well-being. It is a profound departure from conventional architectural norms, advocating for a holistic integration of built environments with the innate elements of nature.

This philosophy contends that the role of architects in the Fourth Industrial Revolution extends beyond individual brilliance, emphasizing the need for collaborative, empathetic networks to foster innovation and revolutionize the architectural landscape.

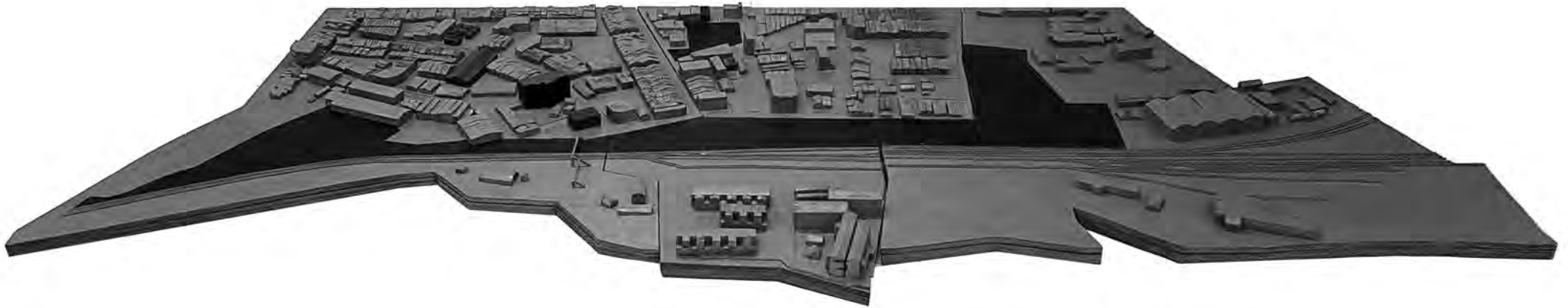
In embracing this philosophy, architects become catalysts for change, not merely in terms of physical structures but as proponents of a broader societal and environmental consciousness. It is an ideology that seeks to address not only the immediate challenges of urban development but also to lay the foundation for a sustainable and resilient future. This is the essence of the architectural revolution—an ethos that transcends conventional boundaries, placing architects at the forefront of a transformative movement toward a harmonious coexistence between the built environment and the natural world.

Jason Lim Zhe Hui

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Bukit Mertajam



The Site

Bukit Mertajam, with a history dating back 1500 years, underwent significant transformations influenced by individual needs, politics, commerce, and migrations. The project focuses on the old township, where a historic train station was removed during the development of a new township, neglecting its sentimental heritage. The station, crucial in Penang's development, was built in the late 1800s, destroyed during the Japanese occupation, rebuilt in the 1940s, and recently replaced and demolished. The 1km stretch of vacant land, parallel to active train tracks, provides a view of Mertajam Hills. Surrounding the site are diverse communities shaped by schools, religious buildings, coffee shops, hospitals, metalsmiths, local markets, and shops.

2001 Bukit Mertajam

Sequence and Consequences An inter-generational episode

Bakhtiar, Ar Bobby Low, Ar Qharwarizmi, Ms Intan Liana, Ar Hedzril

Keywords : inter-generational | heritage | chronology | community | locomotive | sentiments | culture | programmatic intervention | materiality



Approaching the Project

This semester's focus is on intervention, exploring the questions of 'what it was, what it is, and what it could be' concerning local culture, historical lineage, and existing relics. All project applications will be conducted on-site, employing diverse methods collectively and individually. This includes dissecting the site into tangible and intangible layers, considering historical lineage and relics, and assessing urban conditions at various inter-related scales. The interventions will be developed through drawing, physical and virtual model-making, detailing, and a controlled building process. Emphasis will be on clarity through a methodical process and eliminating unnecessary elements. The typological aspects of each student's main project will vary based on individual and collaborative studies, focusing on inter-generational aspects. The collective approach will define each student's project brief.

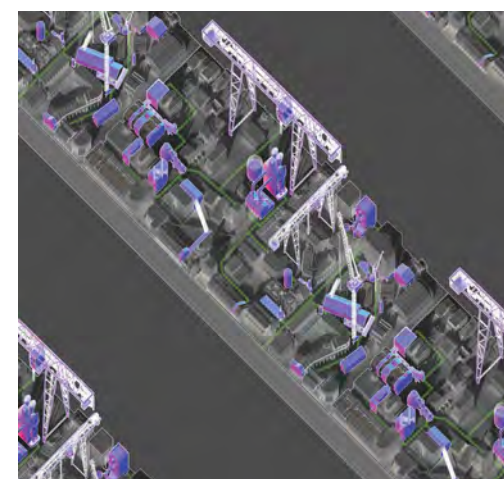
KOPI 'O'

Bukit Mertajam is currently grappling with a decline, notably marked by the relocation of the train station to a new location. This shift has contributed to a sense of the town “dying,” primarily due to the departure of its transient community, which played a pivotal role in sustaining economic activities. Compounding the situation is the disheartening lack of involvement from the younger generation in the town’s daily affairs. Instead, these youths opt to pursue higher education or employment opportunities in bustling cities such as Kuala Lumpur and Johor upon completing their secondary school education.

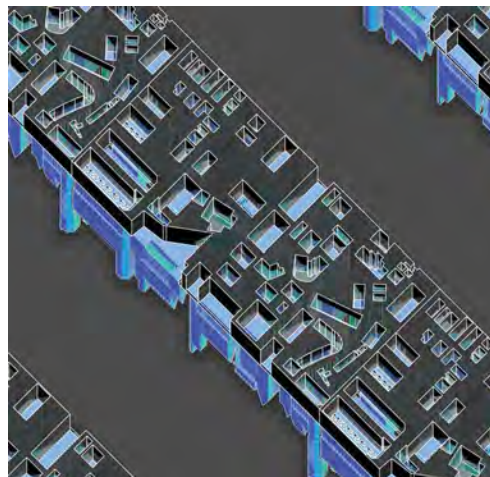
In an effort to breathe new life into the old town and entice the younger generation to invest in its development, initiatives involving digital innovation programs have been introduced. The term “revivification” is aptly employed to describe this process, as it entails restoring something to life and infusing it with fresh energy and strength. The goal is not only to counteract the decline but also to create an environment that encourages the youth to stay, contribute, and cultivate their potential within the confines of Bukit Mertajam.



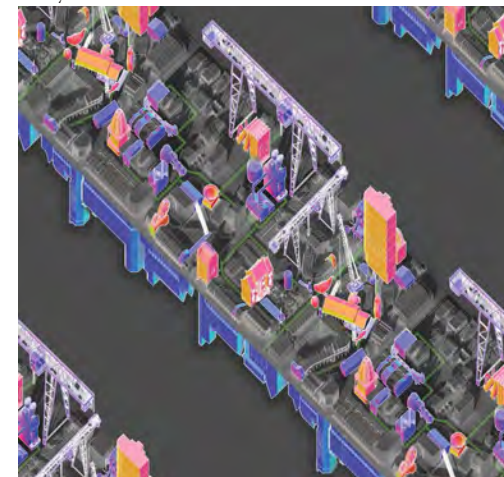
01 Landmarks



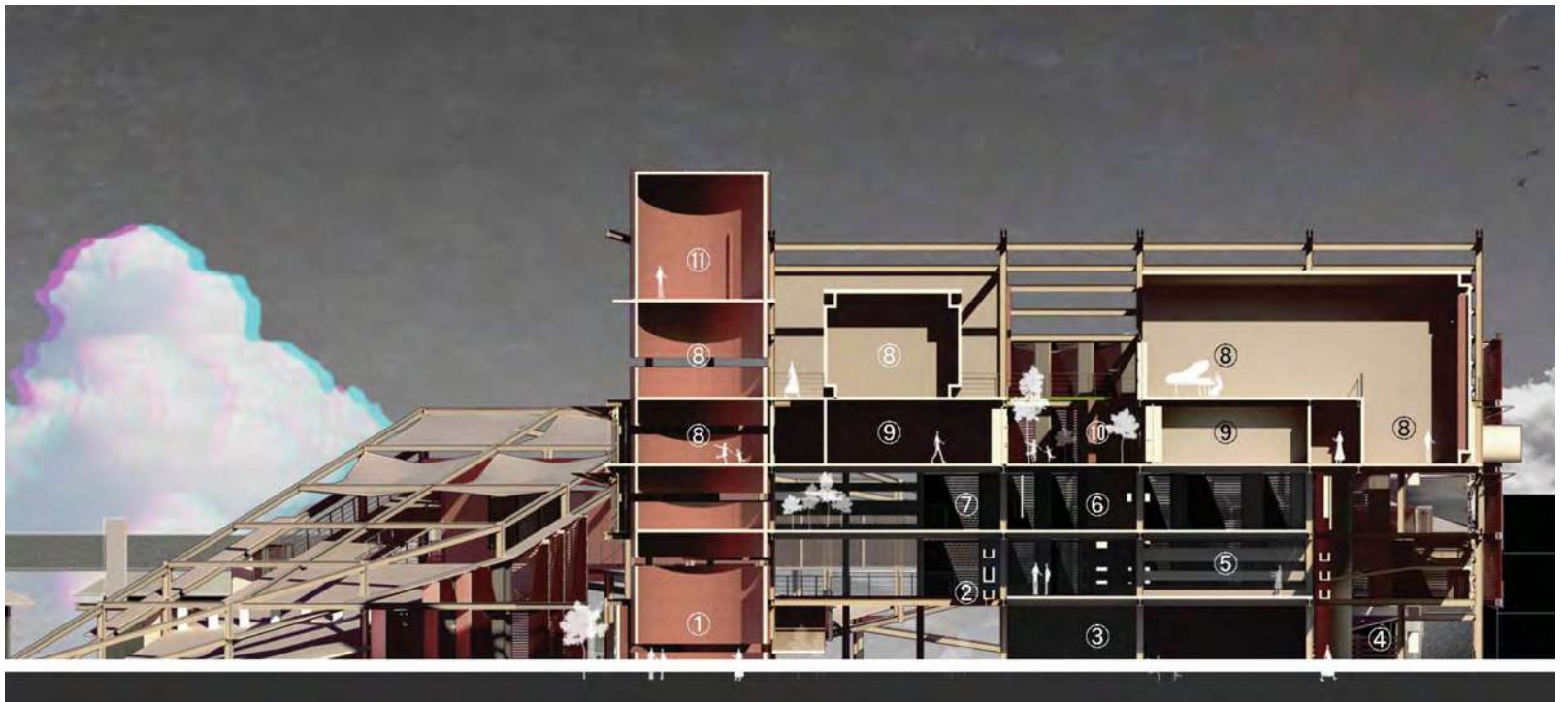
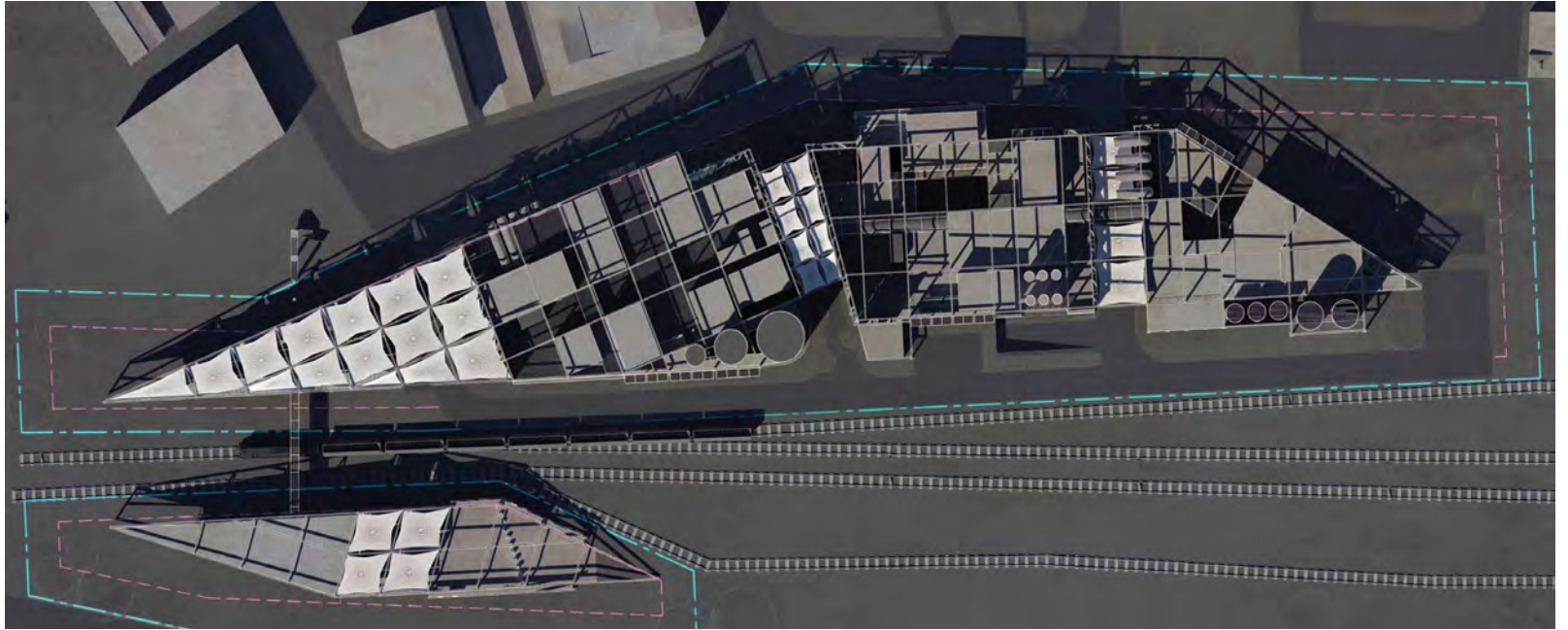
02 City as a machine

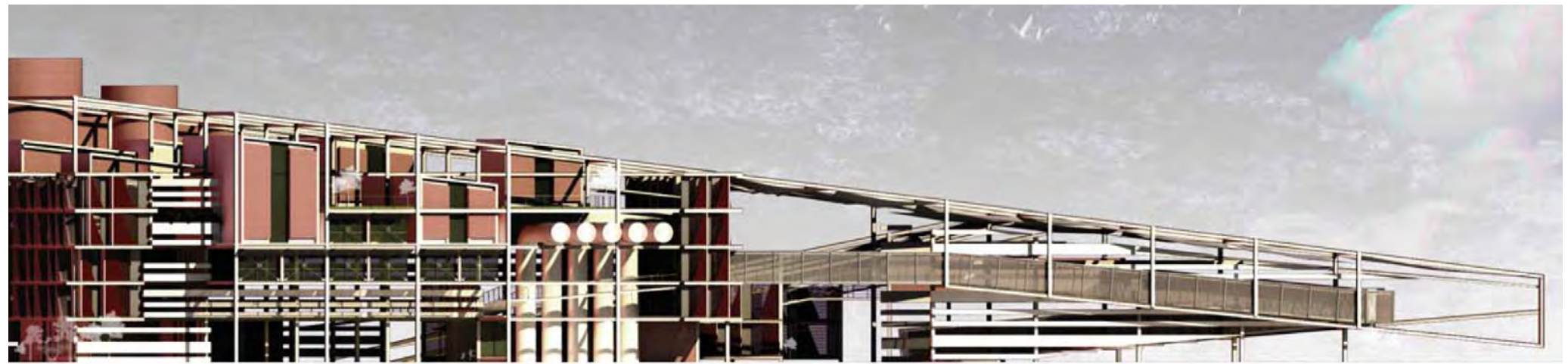


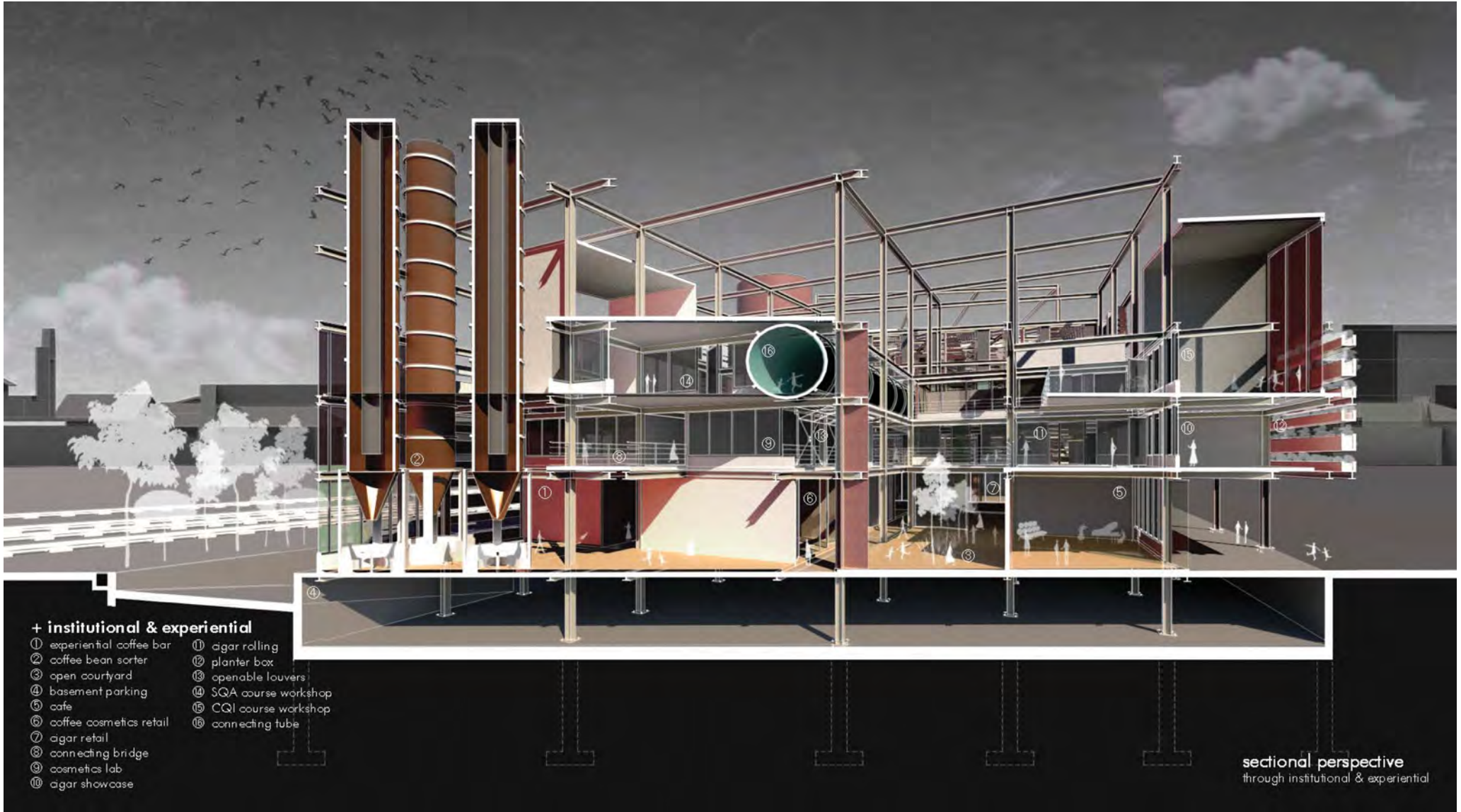
03 Inverted city



04 Collocation







+ institutional & experiential

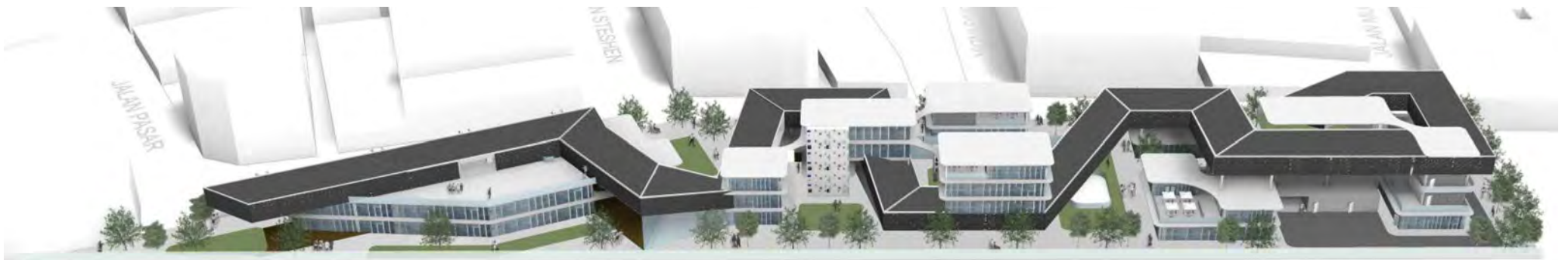
- ① experiential coffee bar
- ② coffee bean sorter
- ③ open courtyard
- ④ basement parking
- ⑤ cafe
- ⑥ coffee cosmetics retail
- ⑦ cigar retail
- ⑧ connecting bridge
- ⑨ cosmetics lab
- ⑩ cigar showcase
- ⑪ cigar rolling
- ⑫ planter box
- ⑬ openable louvers
- ⑭ SQA course workshop
- ⑮ CQI course workshop
- ⑯ connecting tube

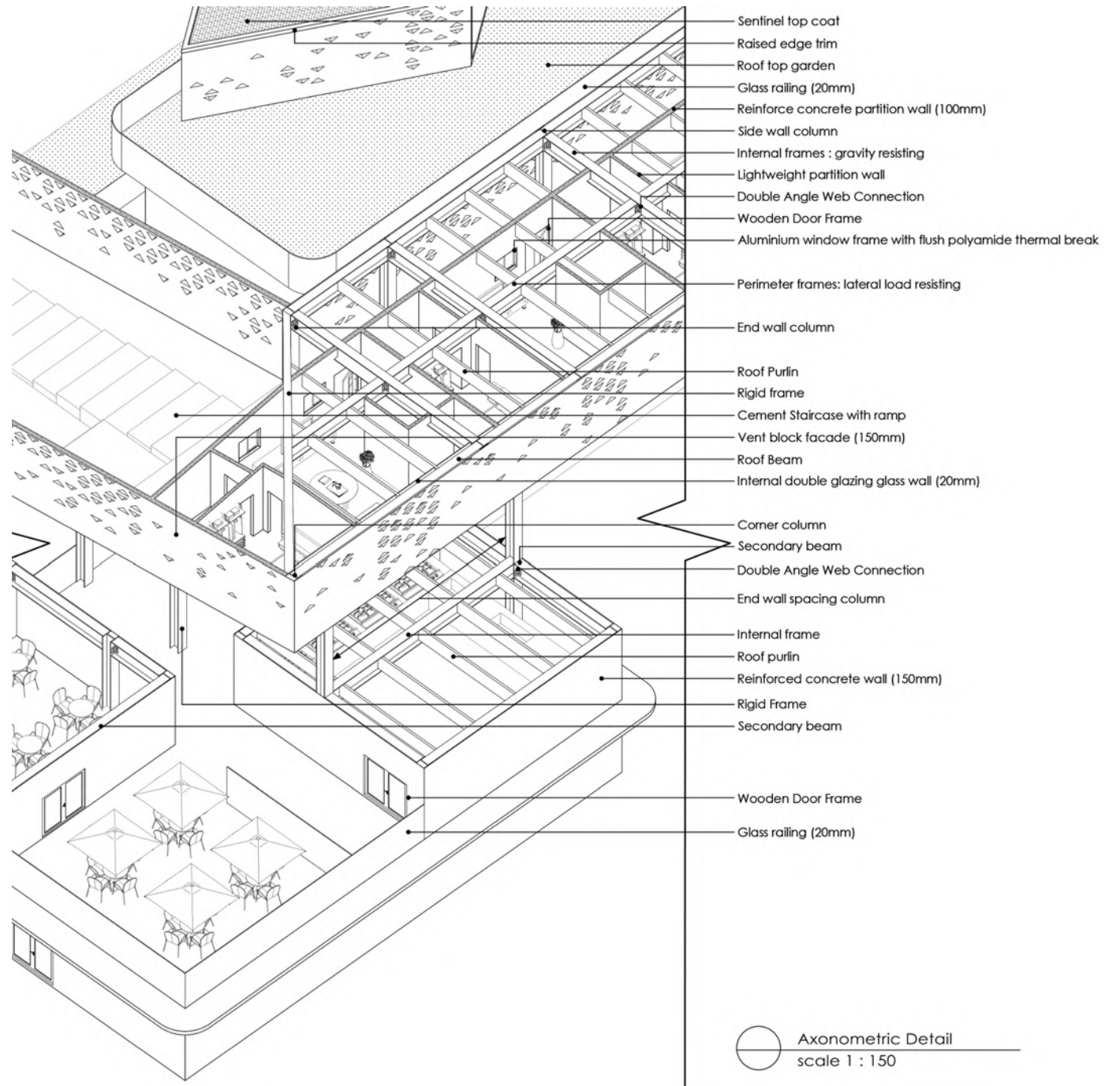
sectional perspective
through institutional & experiential


INTER - Z

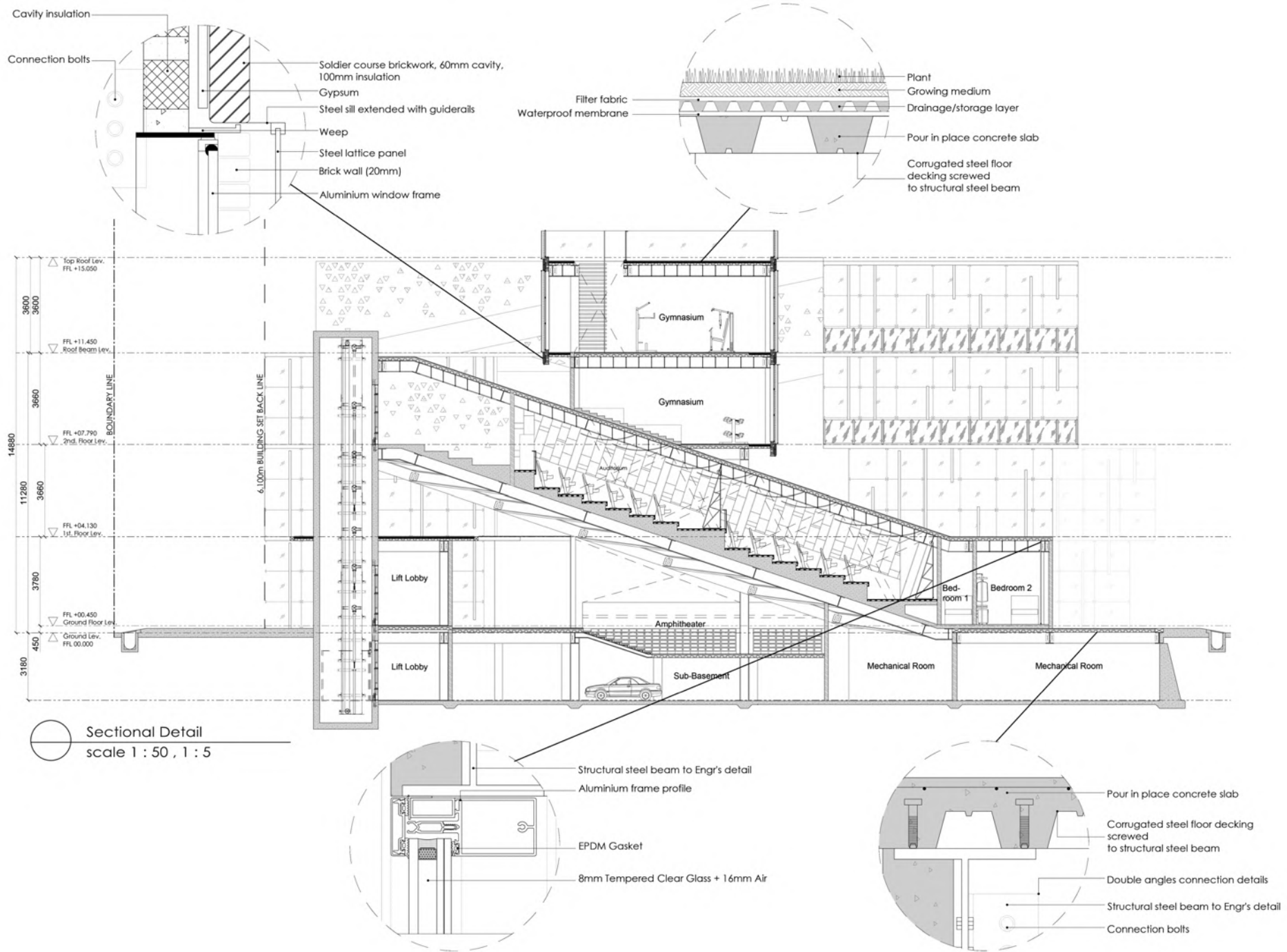
This design project focuses on intergenerational interaction, designed for both the young and the old. Generally, the young generation keeps up with trends and popular culture, while the older generation often prioritizes a healthy lifestyle and business investments

The main proposed programs include Community Activities and Recreational Activities. Community spaces, such as community centers, educational spaces, or studios, will be designed to be elder-friendly and child-friendly facilities. Additionally, recreational activity spaces will provide a place for people to enjoy their leisure time, away from their everyday responsibilities, to rest, relax, and savor life






 Axonometric Detail
 scale 1 : 150







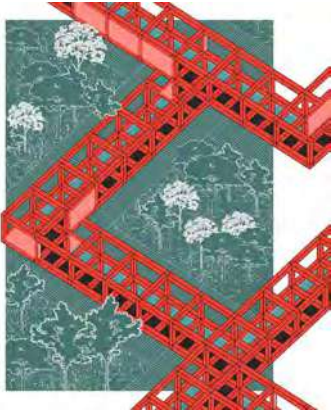
U N L E A K

UNLEAK - HUMAN : BECOME INSTRUMENTAL

Cities are not an overnight product of intent and development. It grows with time, intentionally or accidentally, some cities grow 'up', some grows 'out' fulfilling the timely needs of its users and the necessities of its role In the bigger picture. Many factors affect the growth and the conditions of a city. Densifications and dedensifications, political strategies, individual needs, to name a few that manifest in a timely manner, serving its purpose of its time.

Sequence and Consequence - poses questions of an intergenerational chronology. This agenda challenges designers to come up with progressive proposals and ideas, aimed at accomplishing the transition from a reactive to a proactive architectural practice





Canal's history on site surrounded with lots of gardens and mountains



Human activities in Bukit Mertajam, their daily life, the way of working culture & unity of them



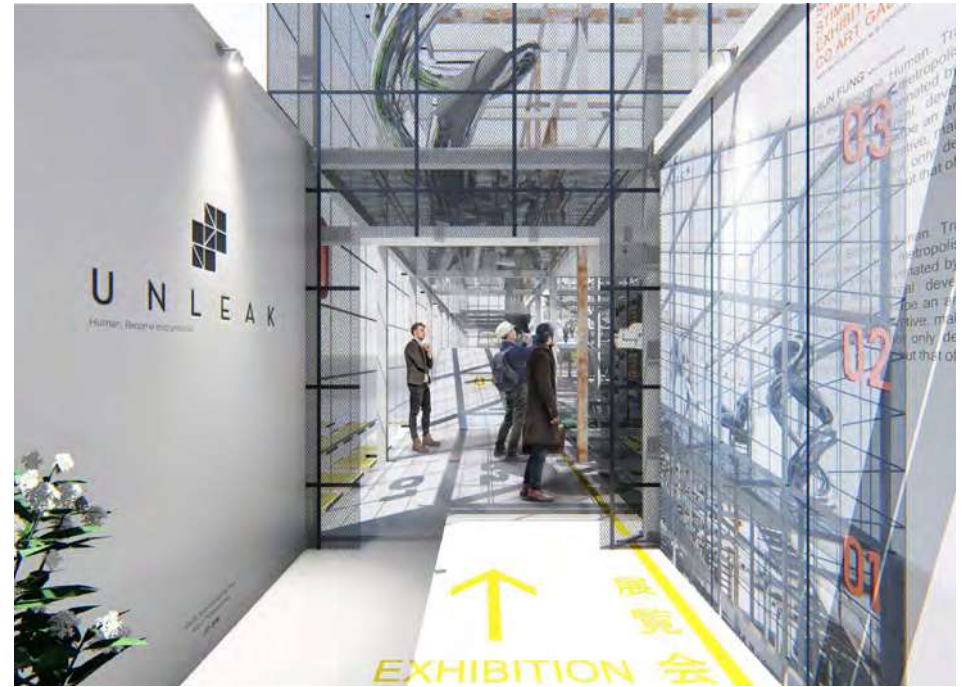
The combination and visualisation of layers

This semester's focus revolves around intervention, addressing questions such as 'what it is and what it could be.' This involves a comprehensive analysis of the local culture, historical lineage, and the existing remnants on the site. To gain a deeper understanding of the context, all project applications this semester will be conducted directly and entirely on site.

We will diversify our approaches to the project, both collectively and individually. This includes breaking down the site into tangible and intangible layers, juxtaposing these layers, and considering the historical lineage and relics. Our interventions will be conducted from the inside out, assessing urban conditions at various interrelated scales.

While hypothetical, our work will be pragmatic, developed through an analytical process involving drawing, physical and virtual model-making, detailing, and a focus on the building process. We will prioritize a sense of clarity achieved through a methodical process and the elimination of unnecessary elements. The typological aspects of the main project will vary for each student based on the outcomes of their individual and collaborative studies, with a focus on the aspects of inter-generational existence. The collective process of approaching this project will define the formulation and articulation of individual students' project briefs



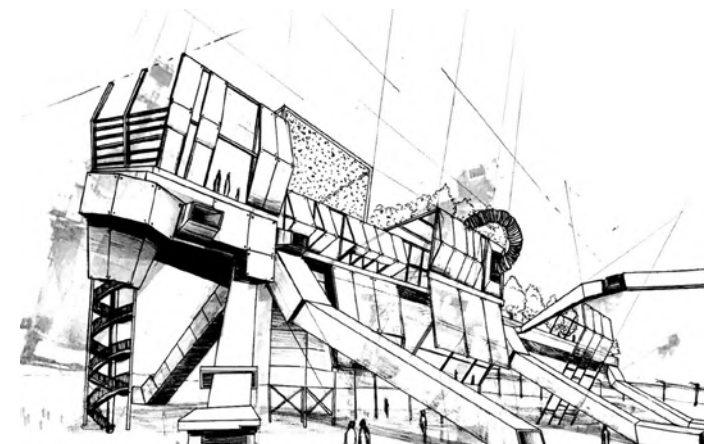
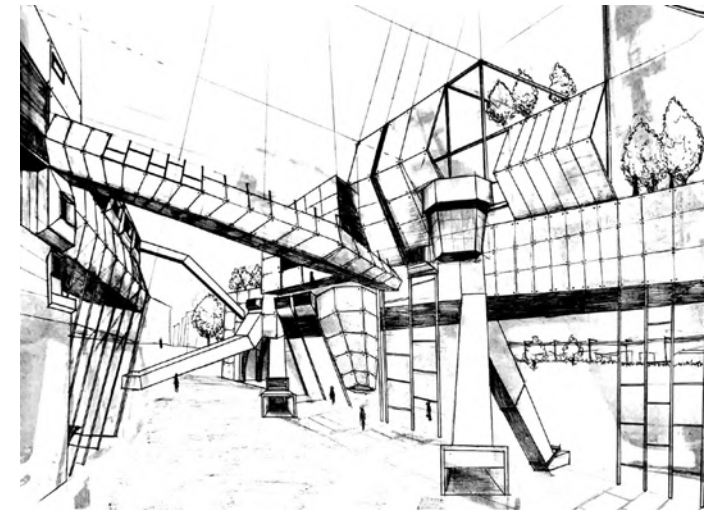
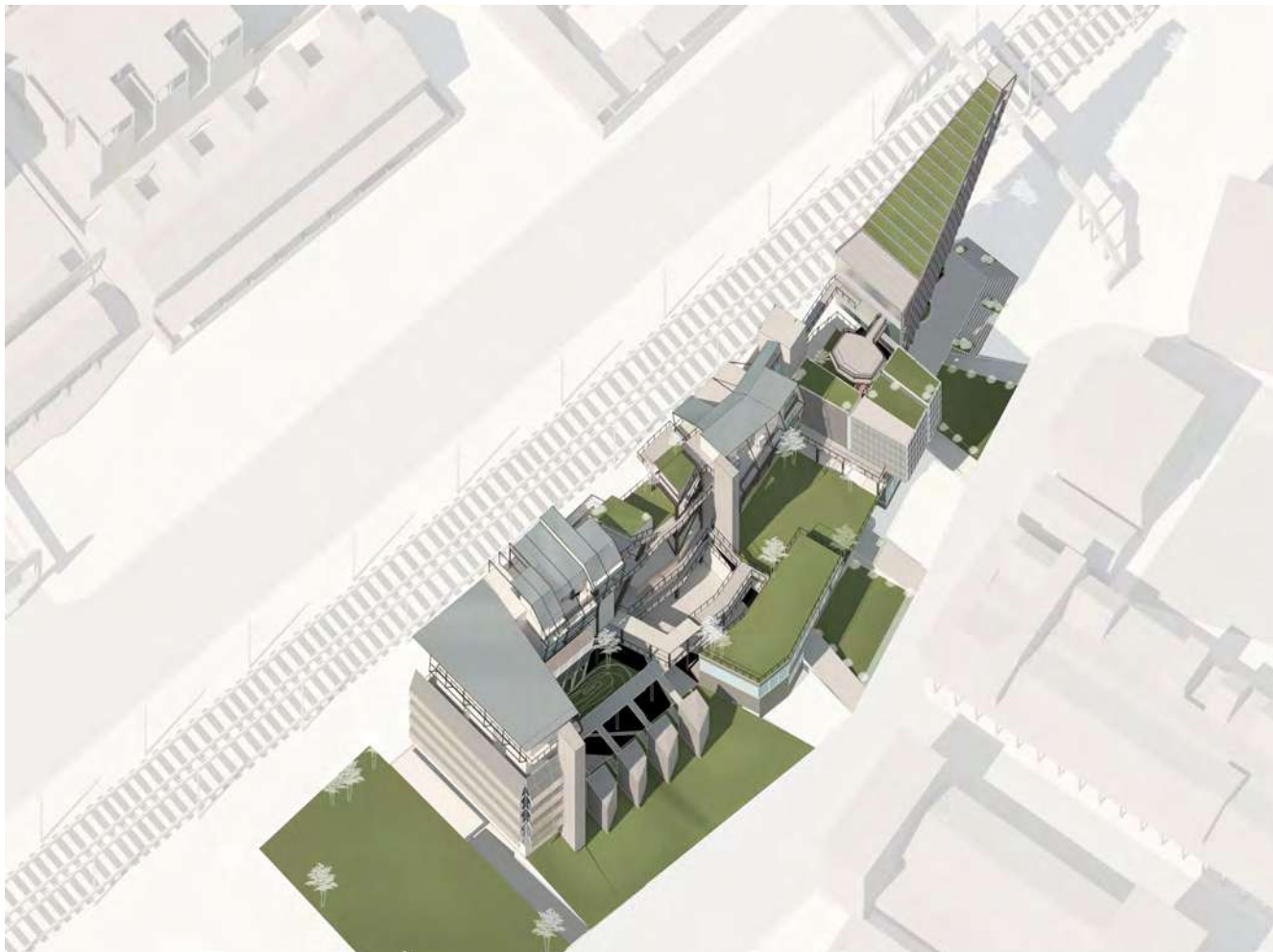




DIGITAL ACCELERATION EPISODE - DIGITAL INNOVATION TRAINING CENTRE

By looking at the current situation of Bukit Mertajam, we can see that the town is 'dying' after the relocation of the train station to a new place. The loss of its transient community was the key to the sustenance of economic activities. What makes it worse is the lack of participation of the younger generation in the daily activities. The youngsters choose to further their studies or work in cities like KL and Johor after finishing their secondary school education.

To revivify the old town and encourage the youngsters to stay and develop themselves in Bukit Mertajam, digital innovation programs are being introduced. Revivification is considered as the process to restore something to life or give it new energy and strength





In this layer, each material represents each era that Bukit Mertajam has gone through.



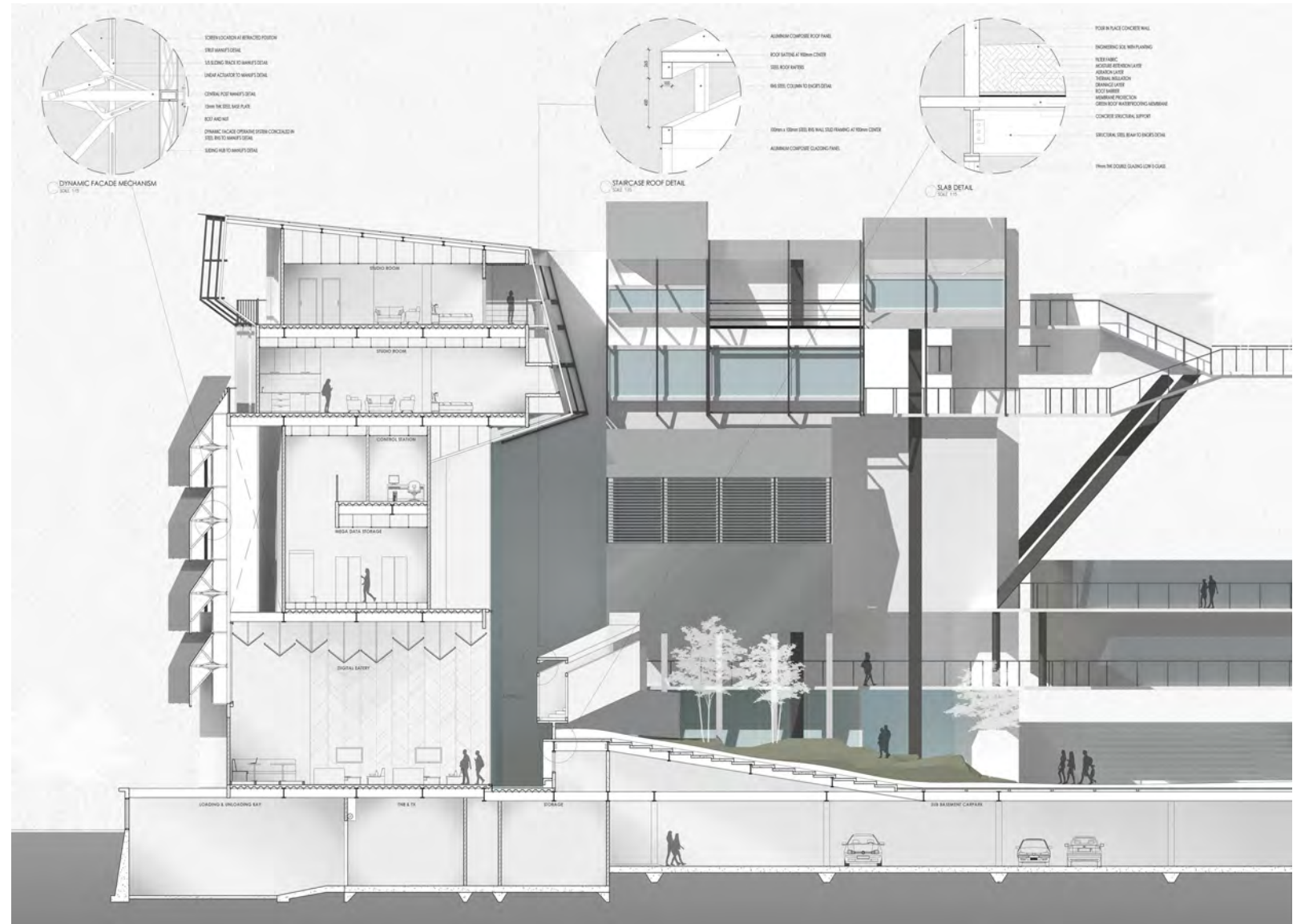
This layer addresses the space and void that have been abandoned, which can be utilized as a community interaction space, youth development space, and other functions in the future.

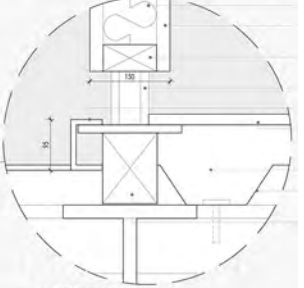
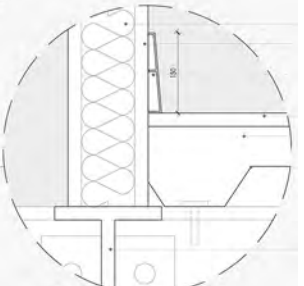
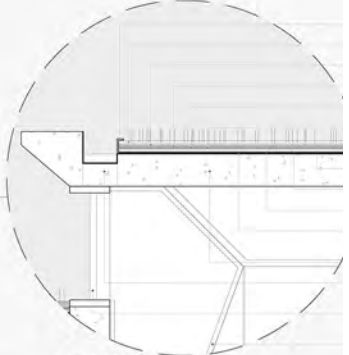
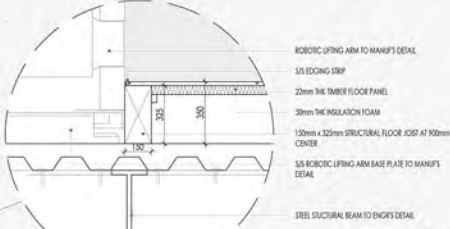
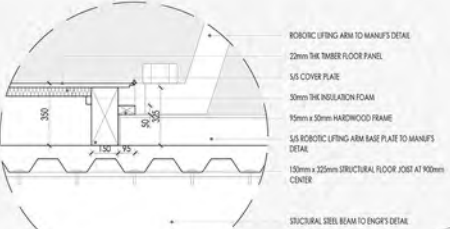
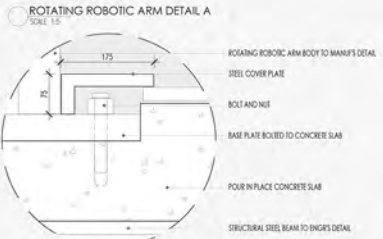
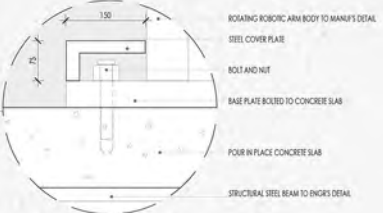
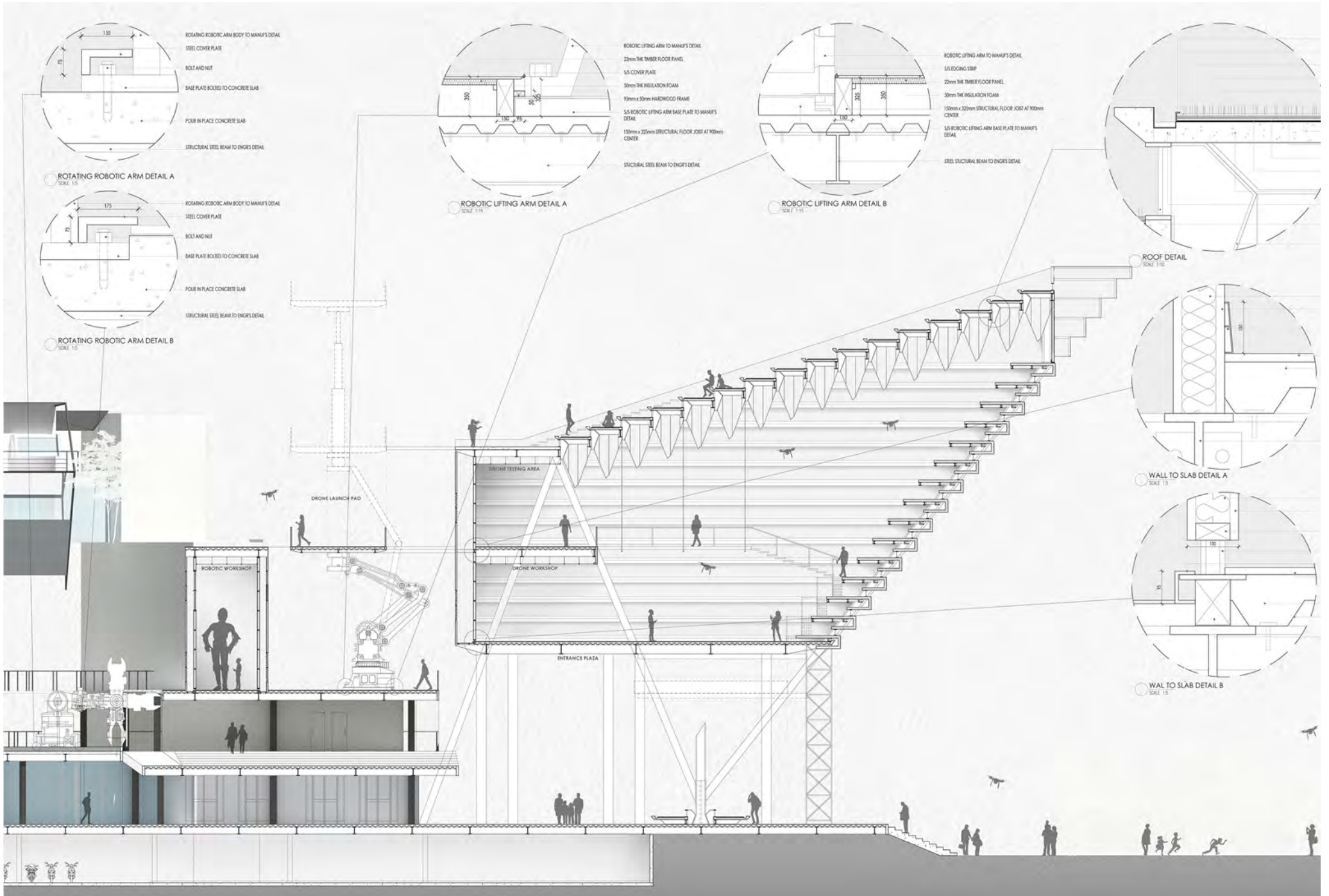


This layer highlights the main programs in the town, which are the market, Chinese temple, food stalls, and grocery shops. Most of these programs are located in Jalan Pasar and Jalan Bunga Raya.

Digital Acceleration Episode is a digital innovation training center under DXC Technology, which aims to train experts and specialists for the digital industry. By looking at the current situation in Bukit Mertajam, it's evident that there is a lack of participation from the younger generation in daily activities. Many youngsters choose to further their studies or work in cities like KL and Johor after completing their secondary school education. To encourage the younger generation to stay and develop themselves in Bukit Mertajam, digital innovation programs are being introduced.

This training center is focused on training experts who can address customer business challenges in the industry and deliver transformative industry outcomes by leveraging emerging technologies such as artificial intelligence, virtual and augmented reality, blockchain, humanoid robotics, and drones.





Synthetic Gesture Sequence & Consequence

Bakhtiar, Ar Bobby Low, Ar Qharwarizmi, Ms Intan Liana, Ar Hedzil

Keywords : redefining proximity necessity

Frog Hills

2007_Frog Hills



The Site

This semester's focus is on capitalizing on the de-densification and decentralization of urban areas by exploring Frog Hills, a recently discovered abandoned quarry formerly known as 'Bukit Katok.' This remote site, once a rubber plantation turned quarry, presents opportunities for adaptive re-use projects, aligning with the trend of transforming quarries into multifunctional spaces. Frog Hill's unique scenic view and man-made landscape resulting from mining activities offer potential for research, education, aquaculture, recreation, biodiversity labs, and housing. Unit B aims to investigate the economic growth potential of such areas in surrounding rural regions.

Approaching the Project

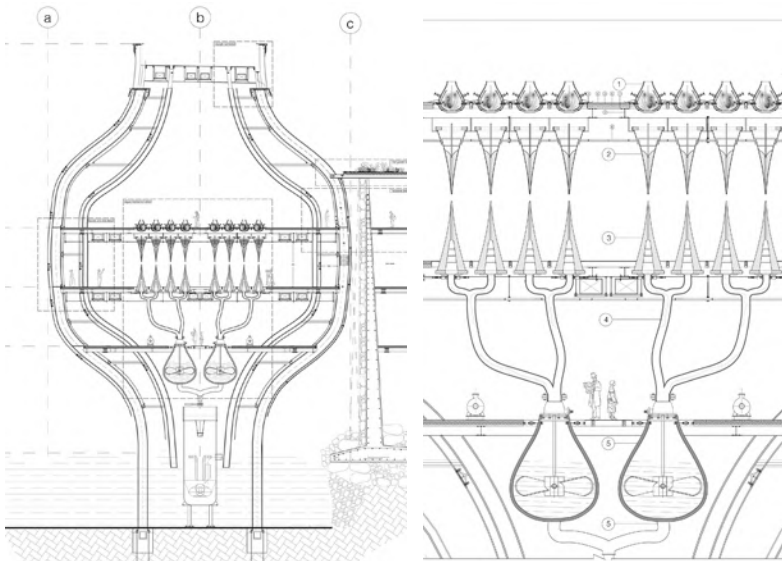
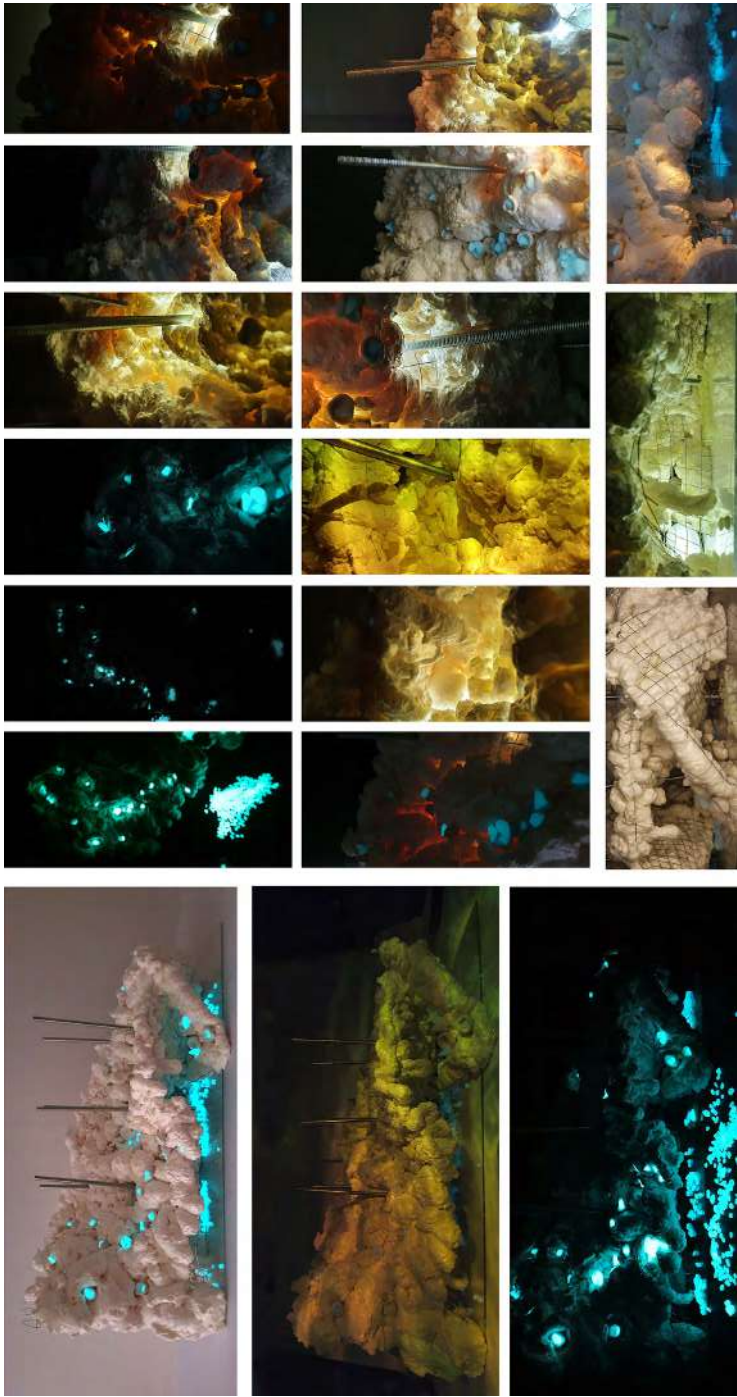
This semester's projects will be conducted directly on-site for a comprehensive understanding of the context. The studio will adopt an objective approach, utilizing available resources for semiotic investigation and assessing conditions at various scales. Methods will be diverse, involving collective and individual approaches through drawing, physical and virtual model-making, detailing, and control of building mechanisms. Clarity will be emphasized through a methodical process, eliminating unnecessary elements. The main project's programmatic aspects will vary based on individual and collaborative studies, categorized into three typologies: Alternative Hospitality, Institutional Integrated Sciences, and Extreme Recreations. The collective process will shape each student's project brief.

NESTS; SYMBIOTIC ARCHITECTURE

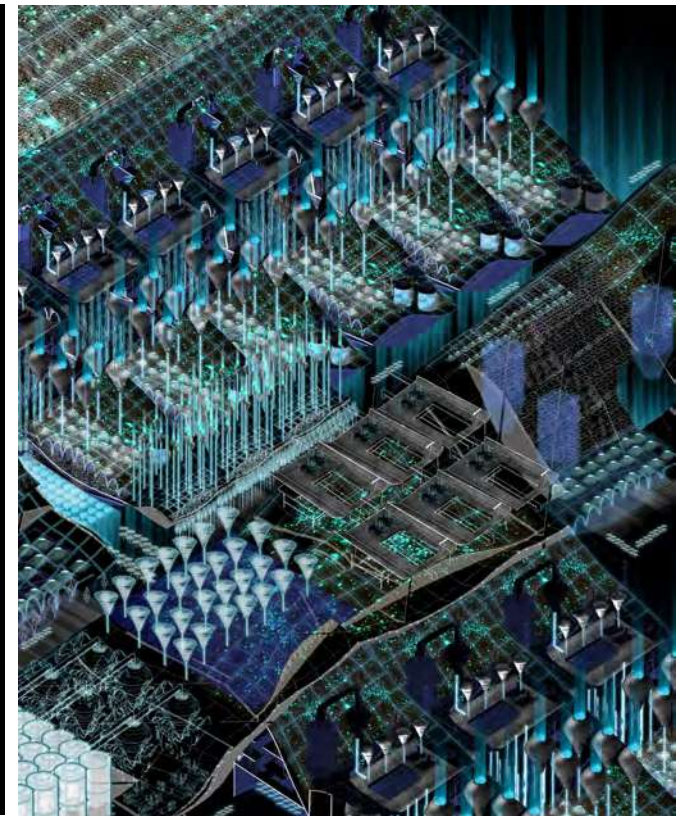
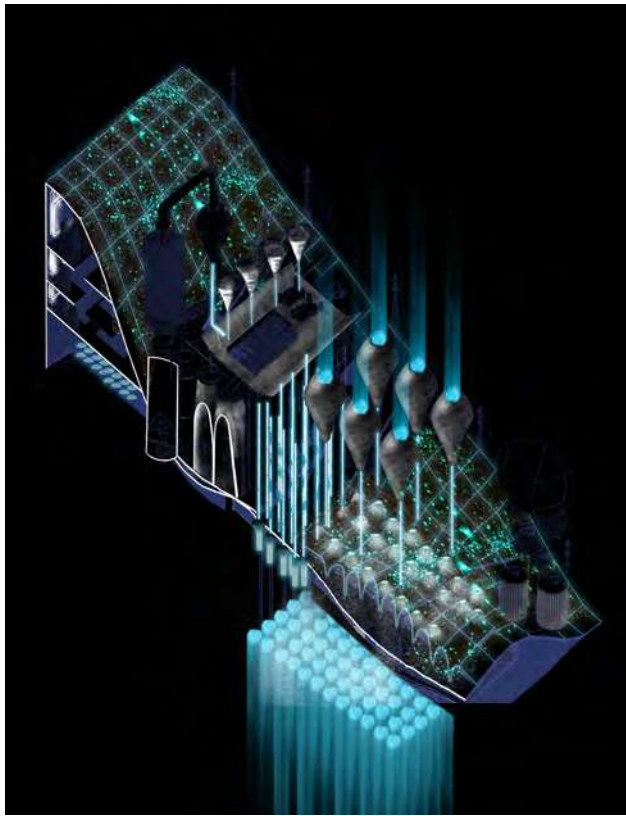
Bioluminescence is biological light produced by the living organisms. Activation of luciferase enzymes in algae oxidized and release energy that can be seen in blue light. Fluorite as a resemblance of bioluminescence, also as a retmembrance of the history of Frog Hills, which fluorite was one of the extract of minerals from the quarry Some of the studies of mechanism and adaptation of aquatic plants and binary fission. Illustration expressing the nature claiming back its territory.

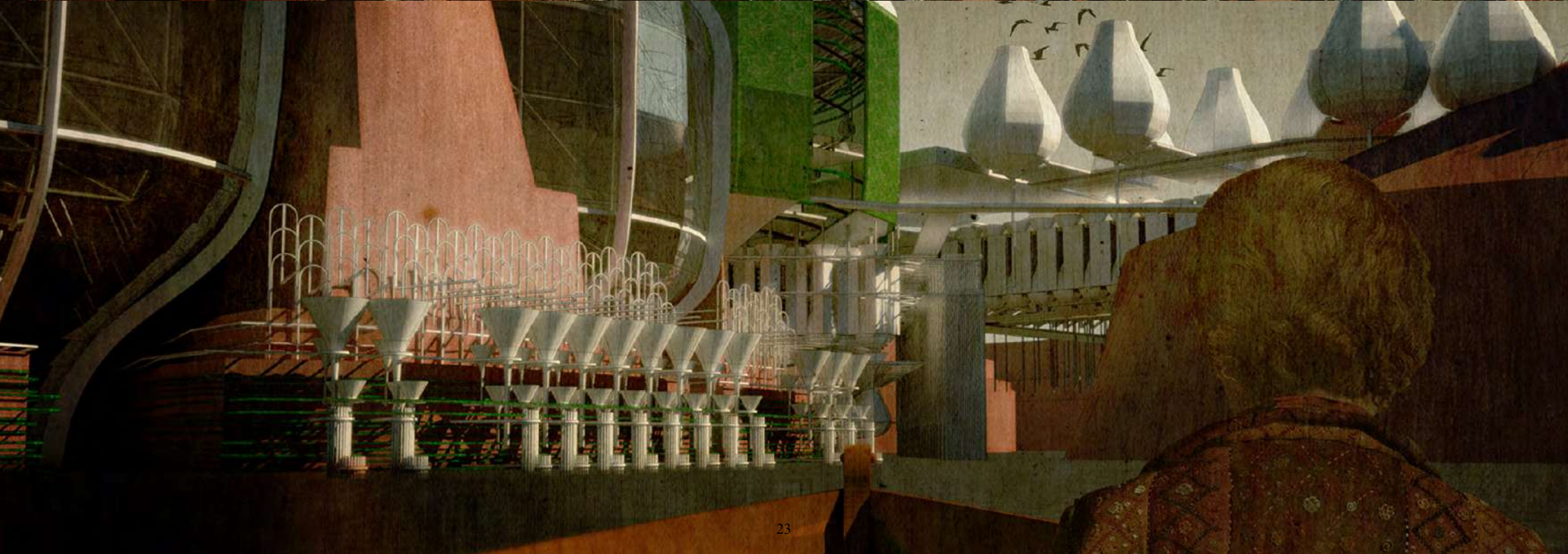
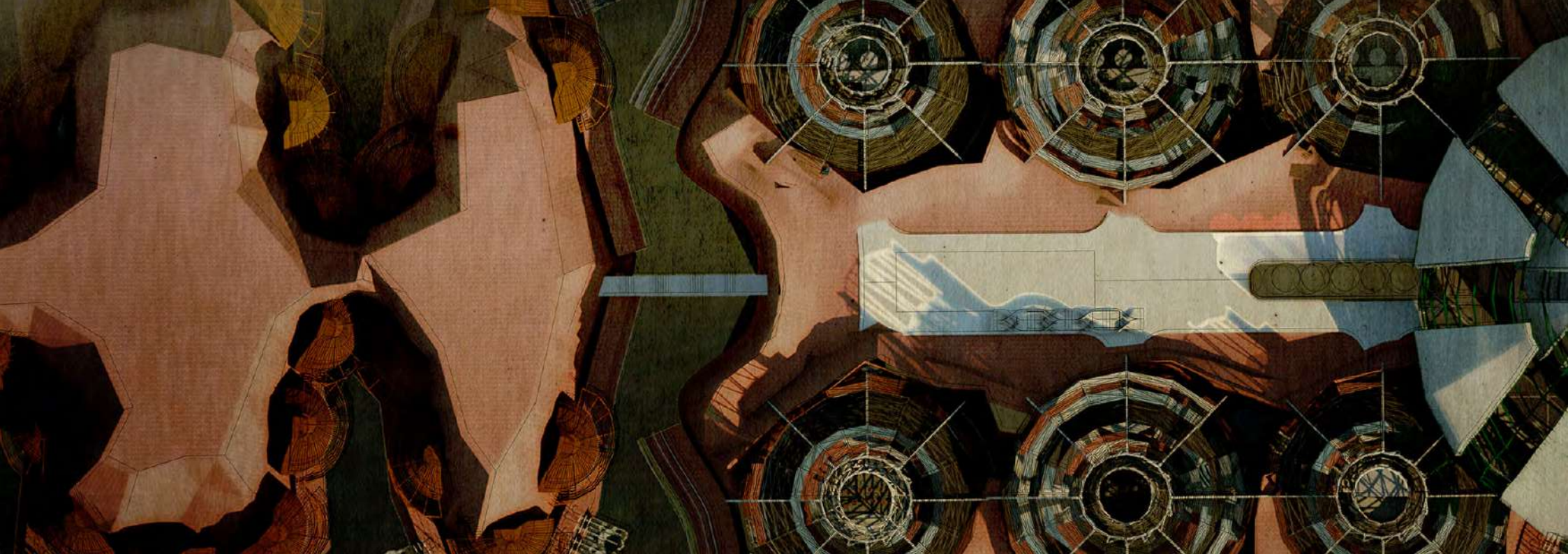
Instead of creating individual building block, I proposed to integrate and hide the building as much as possible in the landscape. I would like to build spaces for plants that are filling emptied void especially to avoid parasitic relationship. Removed landmasses from the surroundings are then filled back to the void and creating architecture that adapts the nature

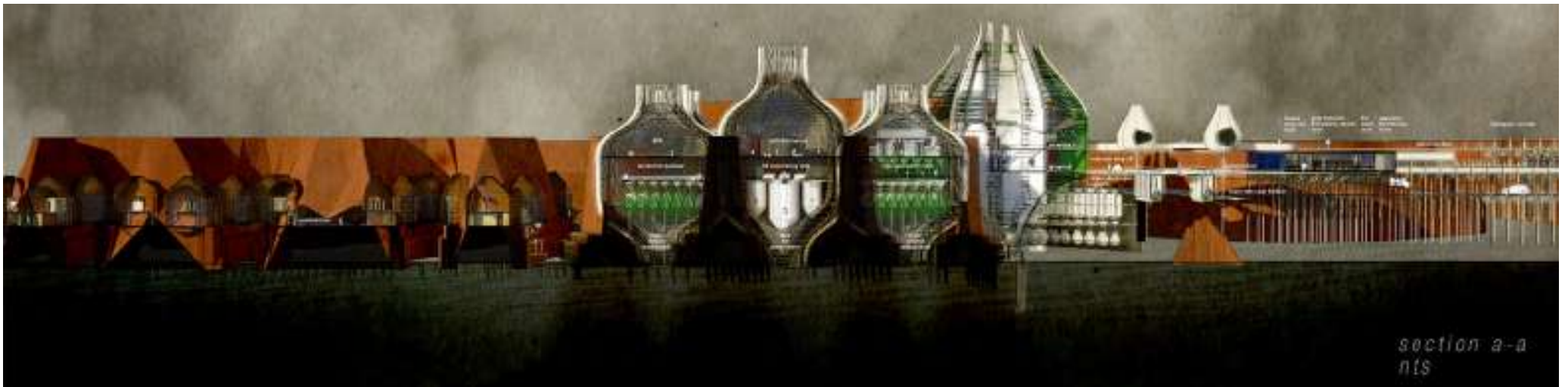
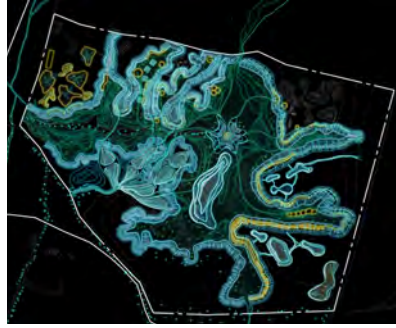




The concept focuses on Frog Hill, where a quarry exists, highlighting the symbiotic relationship between underwater and aquatic plants that purify water and maintain balance. This relationship inspires an architectural concept emphasizing nature's ability to heal and repair. The proposal envisions structures that coexist with nature, embodying resilience and sustainability. The goal is to create living architecture that adapts the healing effects observed in Frog Hill, allowing nature to reclaim its territory while integrating man-made features harmoniously.







RE : LIFE ; THE PROMISED LAND

The project site is predominantly surrounded by rural areas, far from urban centers. At present, the epidemic has taken away countless innocent lives, and a multitude of people are suffering from disease, solitude, and sickness. This suffering extends beyond the physical realm and deeply affects people's mental well-being.

Not only are people suffering, but also business interests, particularly tin mining activities, have indirectly marred the beauty of nature. In a sense, both the epidemic and industrial activities resonate as destructive forces. Briefly speaking, this project was designed to connect with the existing terrains of Frog Hills and offer a life journey experience that combines the senses of humanity, the nurturing embrace of mother nature, and the tangible aspects of materiality.

It aimed to connect people of different generations, including elders, adults, and teenagers, as well as those from diverse religious backgrounds, in their contemplation of life's end from various perspectives. Simultaneously, the project sought to contribute to the healing of people's mental well-being, improve the surrounding rural area, and enhance the environment.

Thus, this project introduces a nature-based ecological burial concept by creating a memorial place. Its purpose is to continue the souls' journey into nature, allowing their lives to persist in different forms. It also provides solace to those who have lost their loved ones."



FUNGHI FORMATION & MOVEMENT

The sense of different height levelling portrait the site one of a attractive element which the contouring land created from the previous tin mining destruction



Front elevation

DESTRUCTIVE FROM TIN MINING

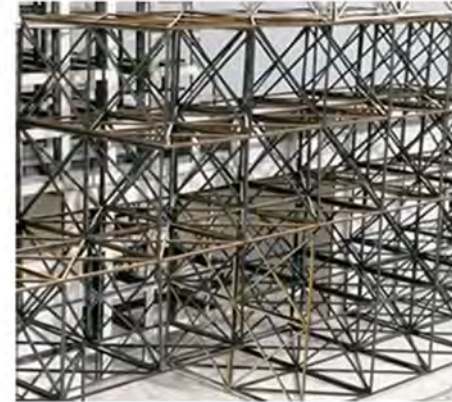
Fungus, the 'body' in the middle surround by the Hyphae element, portrait the origin beauty of nature being destroyed



Top view

HYPHAE ELEMENT WITH MINING COLOR

By using structure of the hyphae representing the connection that bonds from one to each other and 'spores' showing how it spread out which related to the fungi cycle of life. The color of materials are applying mining color in grey



Close range of outer layer

COMBINATION OF NATURE ELEMENT WITH FUNGHI

Shows an overall combination of funghi character, site surrounding of greenaries, tin mining history and contour levelling



Top view

DISECTION UNDERNEATH

Underneath represent the quarry that have created from mining activity



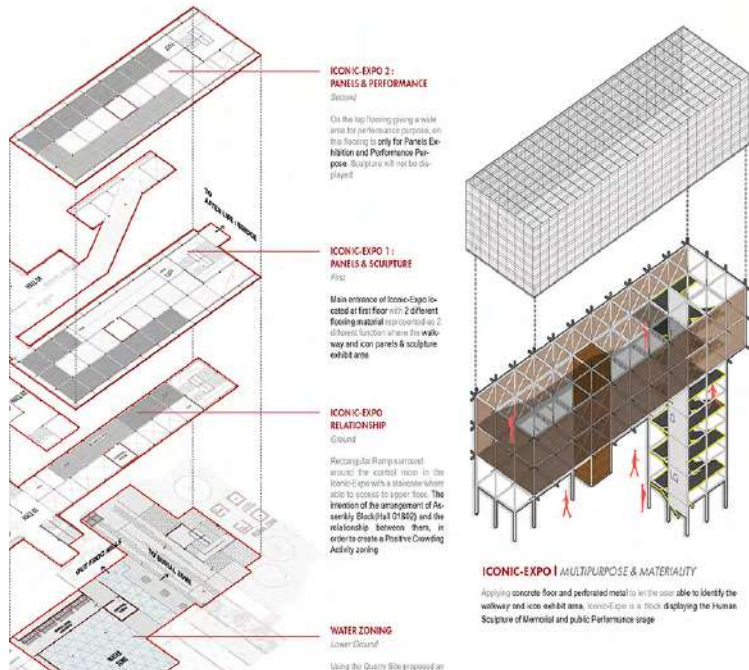
Rear elevation

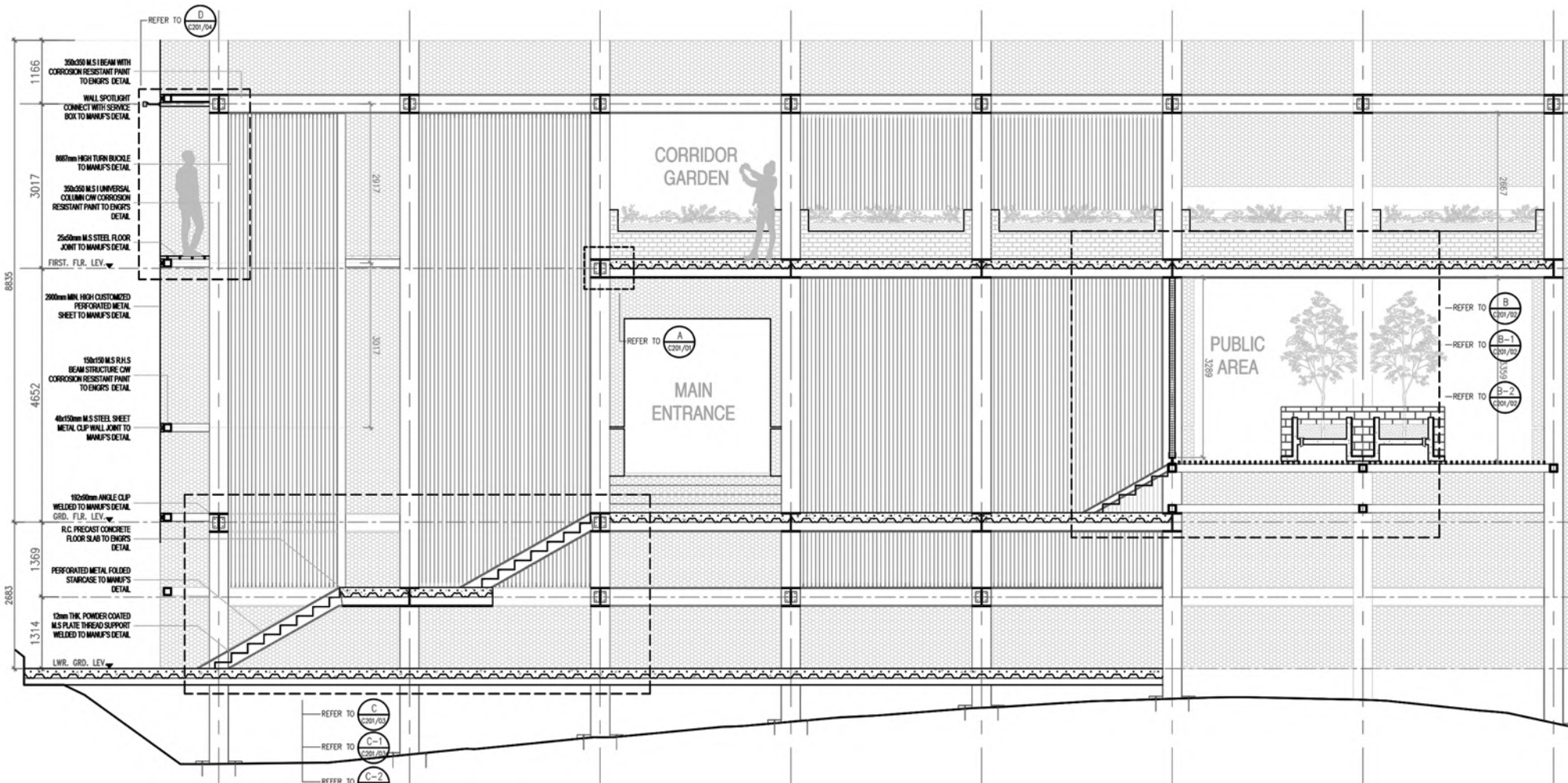
MATERIALITY INTENTION

Using grey to represent the history of tin mining that destroy the nature of beauty and the elongation on top and side is expressing the rebirth and growth



Close range of middle body





CANAAN; THE PROMISED LAND

A homeland for the displaced people, regardless of their back-grounds. By responding to the geographical conditions of the site connecting with various alternate realities. Implementing the per-maculture system to generate a holistic self-sustaining resettlement.





Unknown explores the geographical typologies on site, manifesting conditions, creating possibilities and catalyst in formulating future interventions of it. These typologies focus on the landmasses and quarries in the form of interchangeable conditions, creating various alternatives to respond. Inversed models are partially created to emphasize on the characteristic of typologies. On top of that, to visualize the 'unknown' underneath the quarries. Other than typological aspect, the element of 'connectivity' is crucial in formulating the site. From proper asphalt road to improper landmass, from sungai to quarry, from macro to micro.

Unknown : Characters

It is being expressed obscurely in terms of the connectivity points of each puzzle, which is also considered as the 'ground zero'. The sub-urban fabric transition into discontinuity of landscape, represented the characteristic of Frog Hills. It stresses on the symbiotic relationship between the micro and macro site. To question on the feasibility of site benefitting the surrounding context, vice versa. The sectional montage emphasizes again on the typologies as well as various aspects of connectivity of the site. These aspects are categorized in terms of historical timeline, agriculture, people, landmasses and water system. Where rural economic activities such as red brick factory, palm oil plantation and paddy field are mentioned. Not to mention that the importance of the water system, which ties together the sungai, tali air and quarries, serves as a solid base element of the site. By having both real site conditions connecting with model, forming not only the site conditions, but different alternate realities.



configuration 01



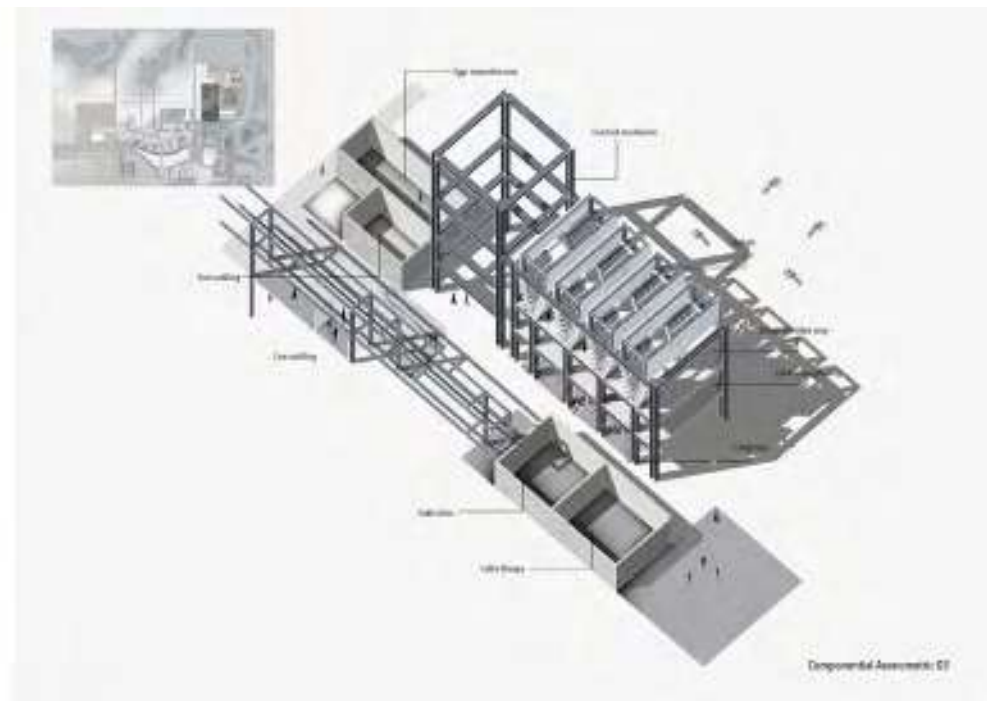
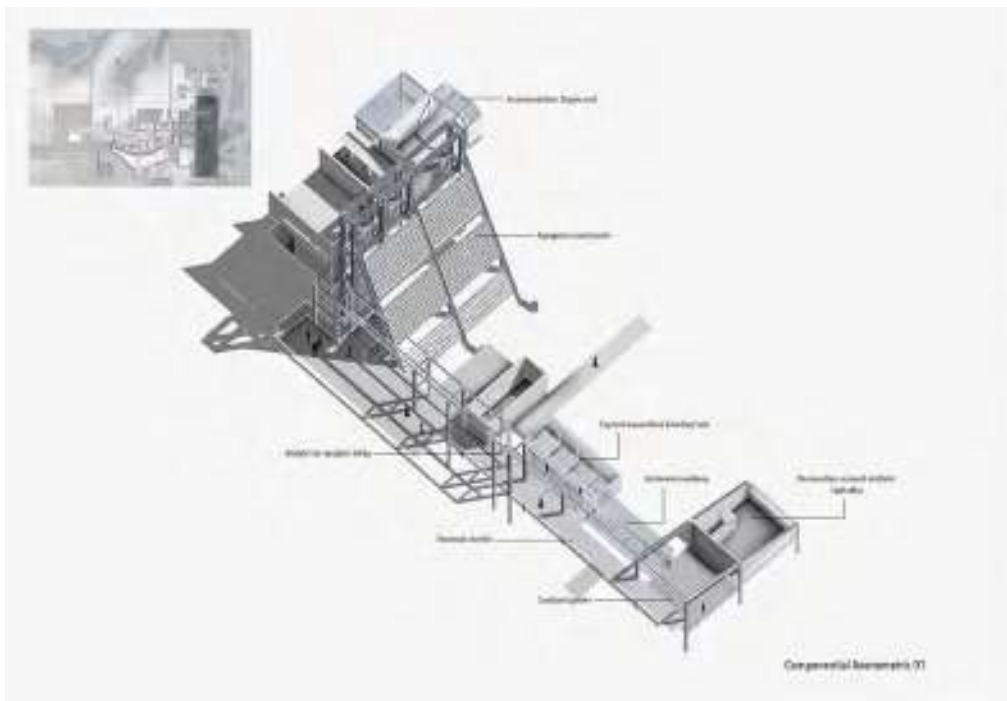
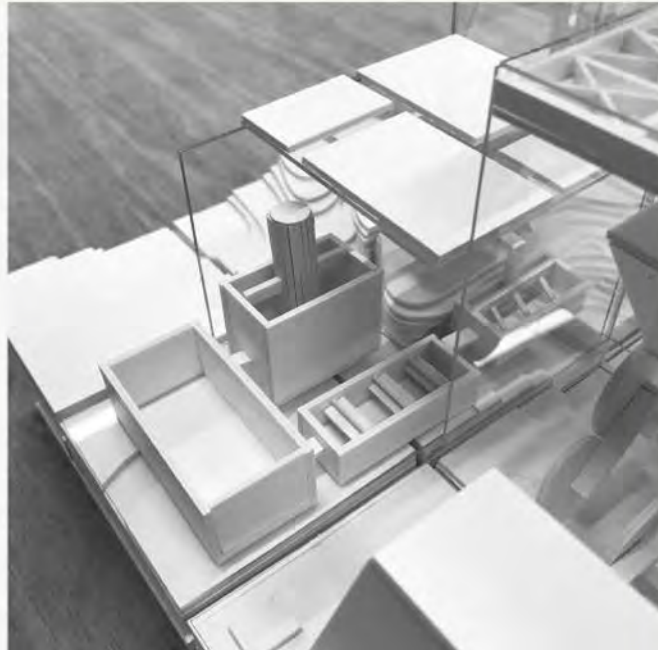
configuration 02



configuration 03



configuration 04





UNIT B

X-CULTURE

The Promised Land of The Foochows

The Site

This semester's project is located at the intersection of the old township of Sitiawan and neighboring Manjung in Perak, along the shoreline. The site includes the Tua Pek Kong temple, a significant local tourist attraction. The surrounding area features a diverse mix of communities, spanning generations, and includes various programs such as schools, religious buildings, a Muslim cemetery, housing, a fisherman's village, and palm oil plantations.

Students will focus on exploring potential cross-cultured programmatic interventions that aim to benefit the local community and enhance secondary connectivity between the two regions. The exercise seeks to leverage the diverse social, religious, and economic conditions of Sitiawan, utilizing its strategic geographical location as a potential anchor to the urban fabric.



X - Culture The Promised Land of The Foochows

Bakhtiar, Ar Bobby Low, Ar Qharwarizmi, Ms Intan Liana, Aishah Mokhtar

Keywords : cross culture | diversity | heritage | chronology | religion | society | economy | sentiments | culture | programmatic intervention | materiality

This semester focuses on interventions exploring the past, present, and potential future of a site, with a holistic analysis of local culture and historical lineage. Emphasizing cross-culturalism, students will delve into local industries, economics, societal beliefs, and community dynamics. On-site project applications will employ diverse methods, dissecting the site into tangible and intangible layers while considering historical lineage and relics. Interventions will assess urban conditions at various scales, using hypothetical yet pragmatic approaches. The works will be developed through analytical processes like drawing, model-making, and detailing, with a focus on achieving clarity by eliminating unnecessary elements. The main project's typological aspects will vary based on individual and collaborative studies, with a collective approach shaping each student's project brief.

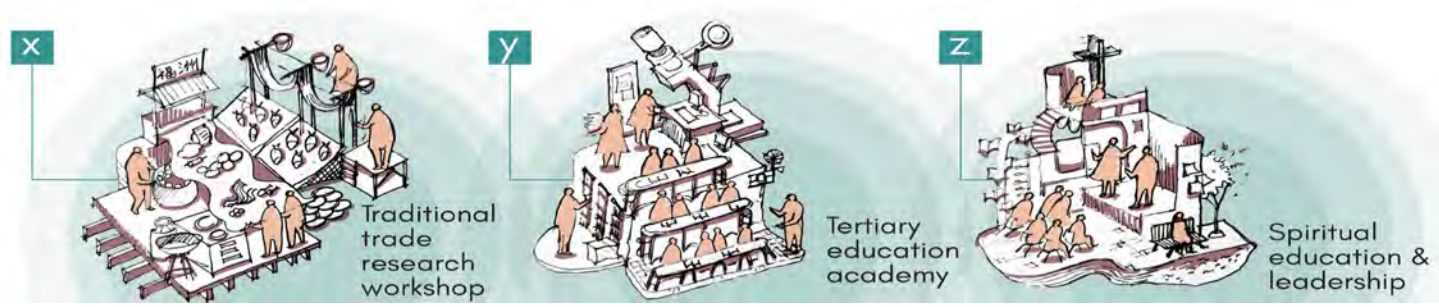
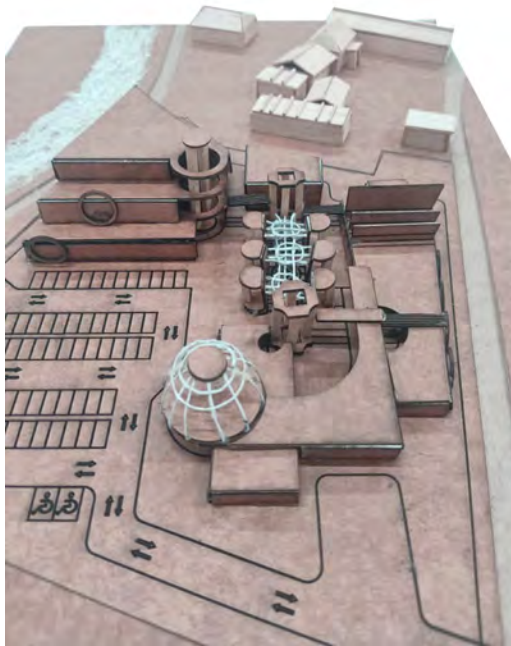
TRIDISCIPLINARY YOUTH DEVELOPMENT ACADEMEY

Through the integration of all programs, creates the foundation that 'Spiritual' and 'Secular' cultures are not and should not be separate from each other.

Instead, to celebrate and honour Work, Culture, Heritage and Trade. As gifts of God to Sitiawan, while pursuing 'God values' in the establishment of Sitiawan's youth Leadership and empowerment

Creating a self-sustained, self-sufficient, sociological balance in Sitiawan

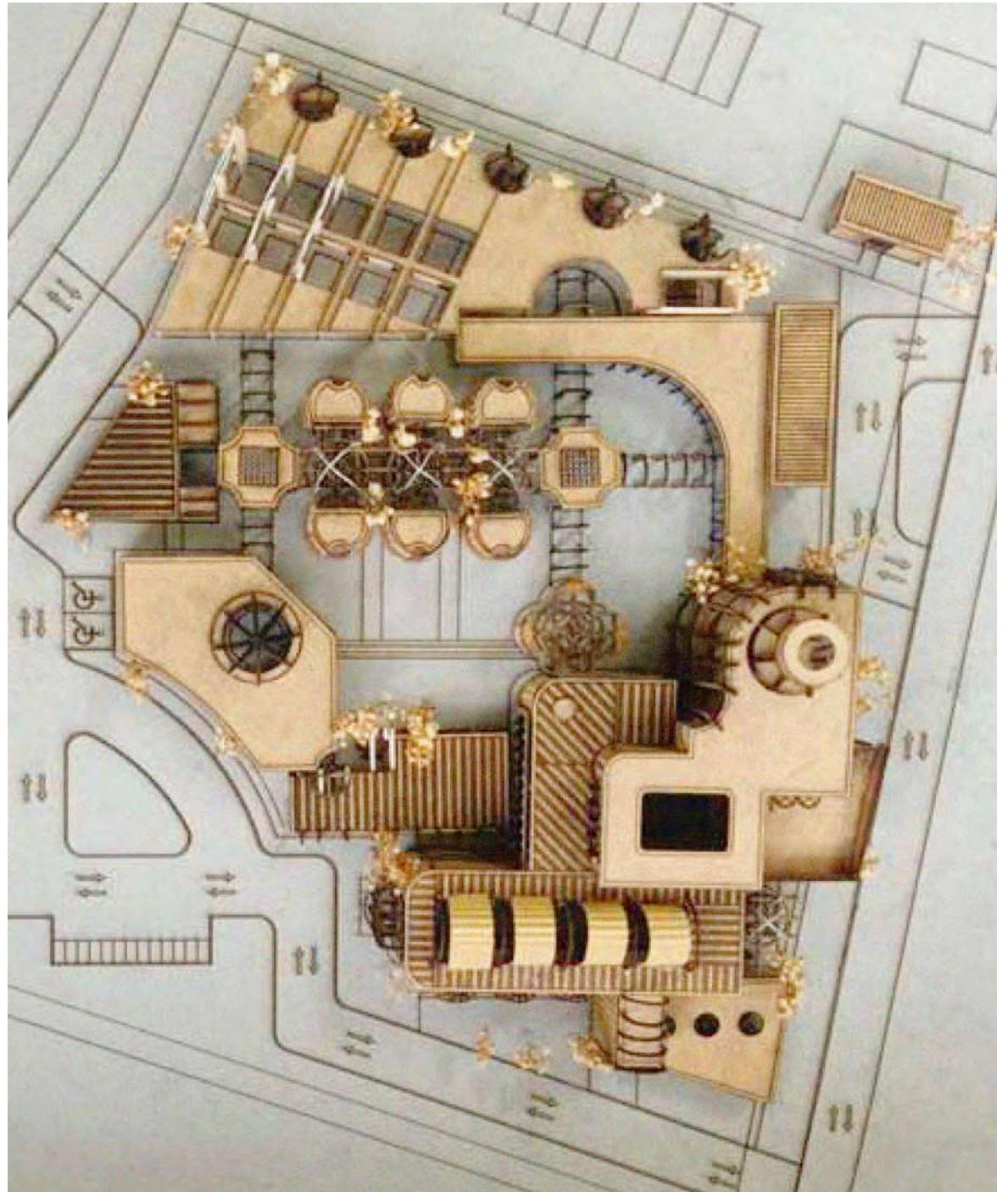




By NOT allocating a specific religion for each prayer room or classroom,
 Instill the concept that religion is not the 'place' or 'room' but the 'community'
 Not creating a combination of all religions/belief for all Gods, but to create a mutual
 understanding of beliefs, a sense of community across religious boundaries.
 EUNICE LIM MIN YEE - 2021

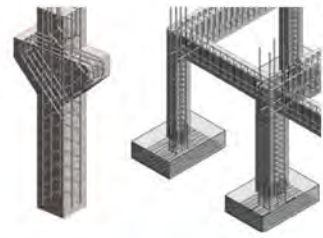


EUNICE LIM MIN YEE - 2021



CONSTRUCTION TYPOLOGY

The main components for the construction of the proposed design are reinforced concrete, timber and steel, with concrete being the main structure for the floors and walls, and with timber and steel to construct the more decorative and open structure builds at the lower level buildings.



REINFORCED CONCRETE CONSTRUCTION

- MAIN ACADEMIC BLOCK**
- Columns
 - Walls
 - Beams
 - Floor slab



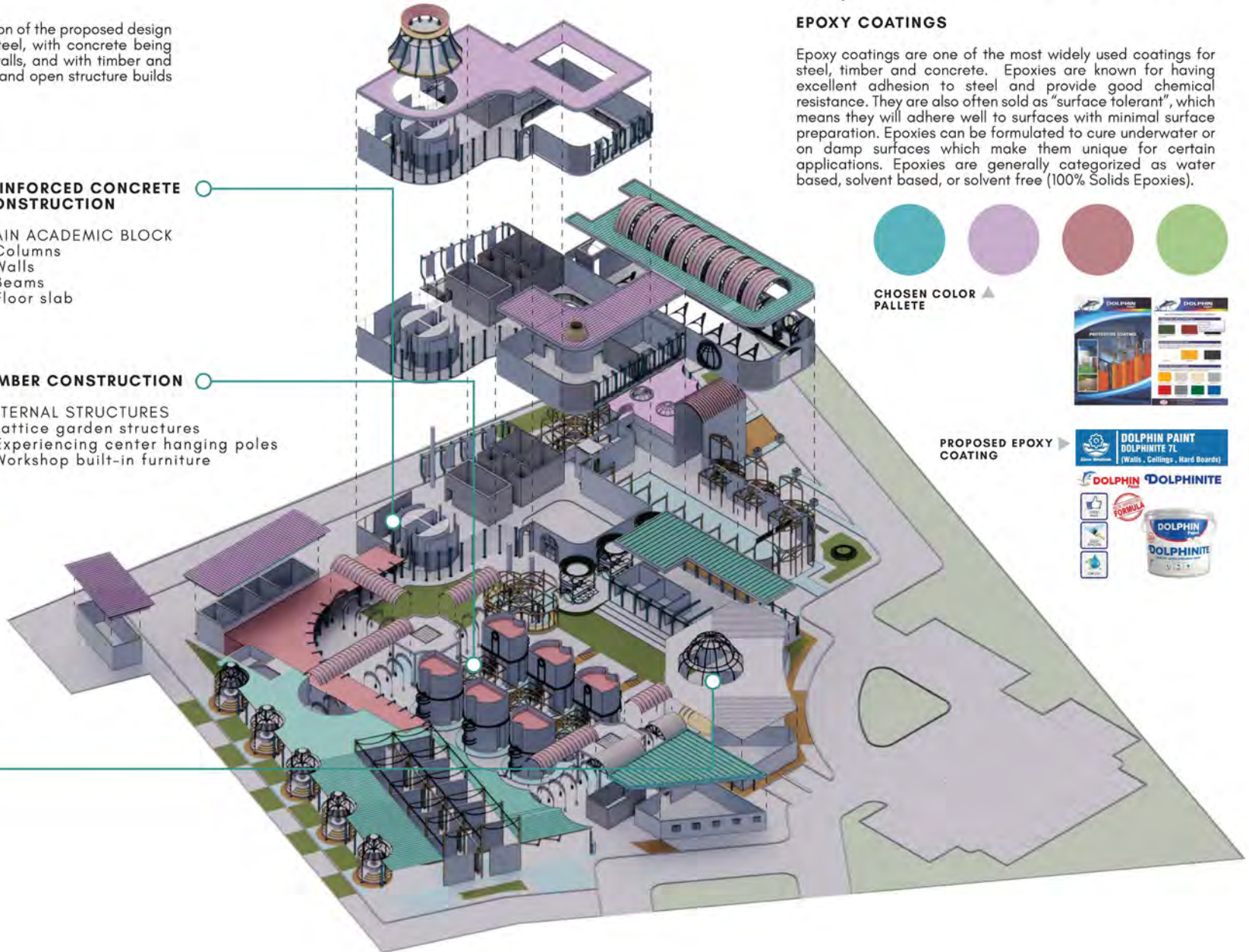
TIMBER CONSTRUCTION

- EXTERNAL STRUCTURES**
- Lattice garden structures
 - Experiencing center hanging poles
 - Workshop built-in furniture



STEEL CONSTRUCTION

- OPENINGS**
- Dome windows
 - Dome skylights
 - Arched skylight and roof



FINISHES

To achieve the desired aesthetic quality for a bright and vibrant youth development academy, selected surfaces of the timber, steel and concrete construction are to be painted in epoxy coatings.

EPOXY COATINGS

Epoxy coatings are one of the most widely used coatings for steel, timber and concrete. Epoxies are known for having excellent adhesion to steel and provide good chemical resistance. They are also often sold as "surface tolerant", which means they will adhere well to surfaces with minimal surface preparation. Epoxies can be formulated to cure underwater or on damp surfaces which make them unique for certain applications. Epoxies are generally categorized as water based, solvent based, or solvent free (100% Solids Epoxies).



CHOSEN COLOR PALETTE



PROPOSED EPOXY COATING

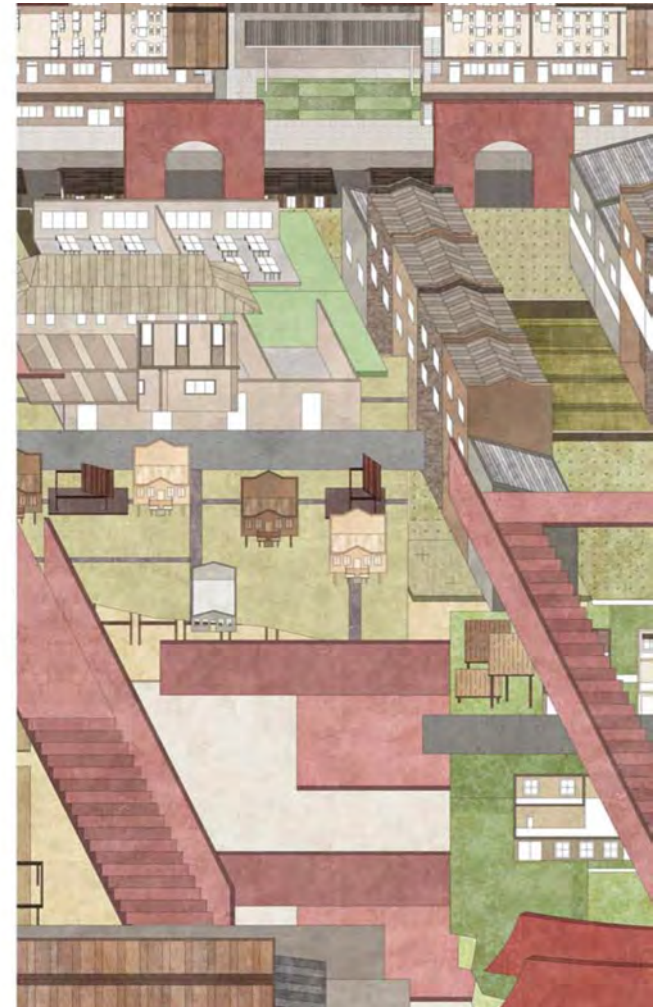


X CULTURE -PASIR PANJANG COMMUNAL FARMHOUSE

Situated in Pasir Panjang Perak, the Communal Farmhouse aims to rejuvenate and revitalize existing agriculture condition through multiple agriculture programmes. Various programmes allow multiple agriculture growth and production, creating its very own farm where it can contribute not only towards the existing context, surrounding community and economical growth.

Pasir Panjang Communal Farmhouse allow various communal engagement through multiple communal programmes to which can be interact from young to elderly. Direct and indirect engagement - observing, interaction and experience - where farm becomes a medium of engagement.

Thus, Pasir Panjang Communal Farmhouse becomes a place of bridging generational gap between all communities.

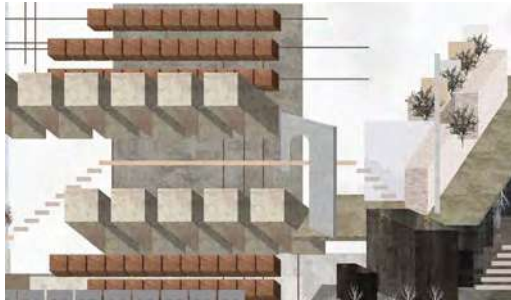




Part of close up building in which inhibit various program mes that focuses on communal engagement activities and income resources. Communal Engagement Programmes include Communal Net Pavilion, a platform of interaction where visitors can sit and experience surrounding nature - river. Kitchen Indoor which shares same the building with Kitchen Indoor

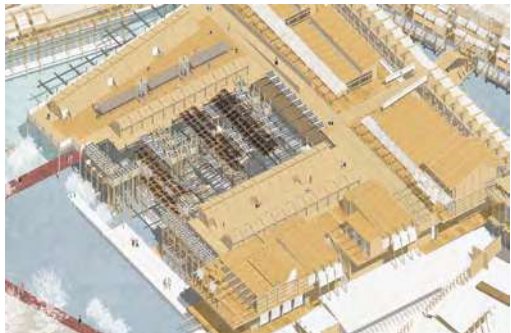
Farm 1 & 2 serve as communal platform. Visitors of all communities will be able co tour indoor farm and have the chance co grow vegetables, harvest and cook local dishes together with the local communities.

Nor only it serve as a communal interaction bur its overall building orientation which faces the main entrance creates an welcoming interaction for visitors, attracting more people to visit the building.



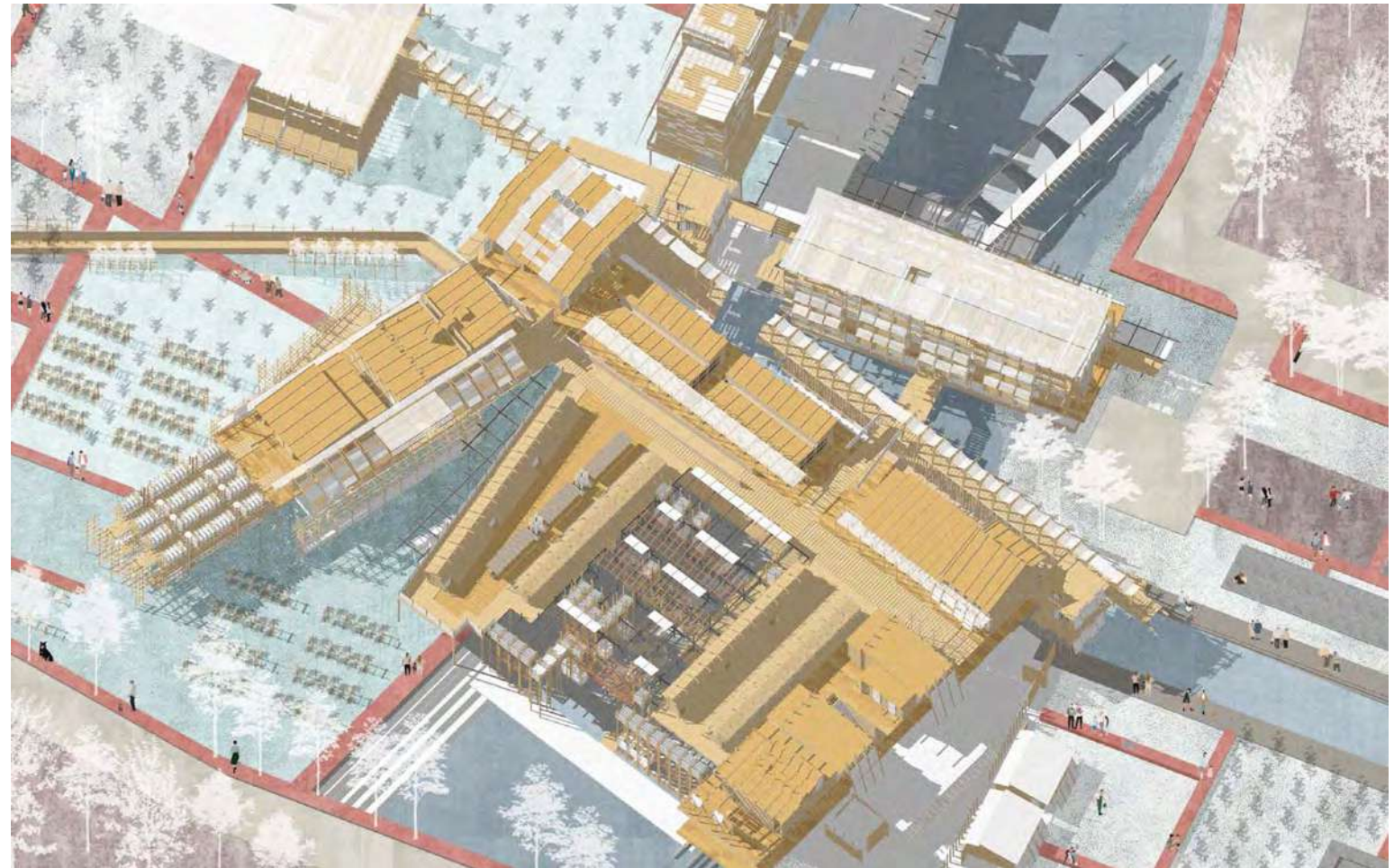
Programmes such as Bee Produce Shop and Confectionery & Bakery Shop nor only sells product which derived from the building cultivated agriculture and apiculrure bur it sells products which are made by locals through confectionery and bakery workshop. These then, becomes an income towards the overall building.

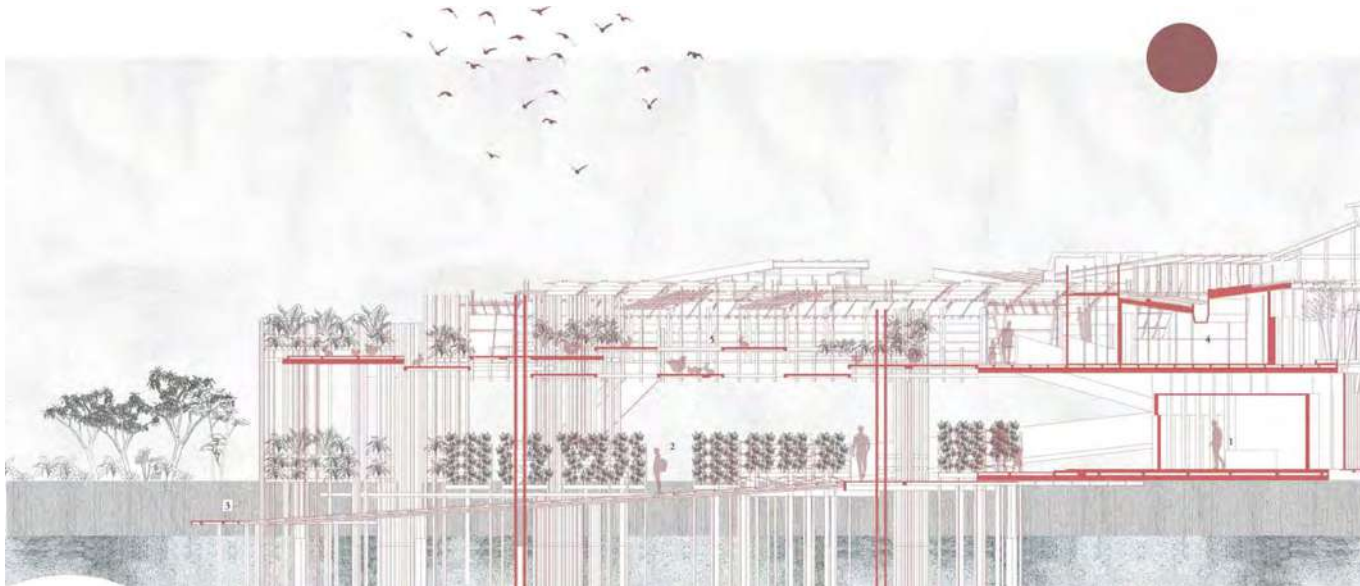
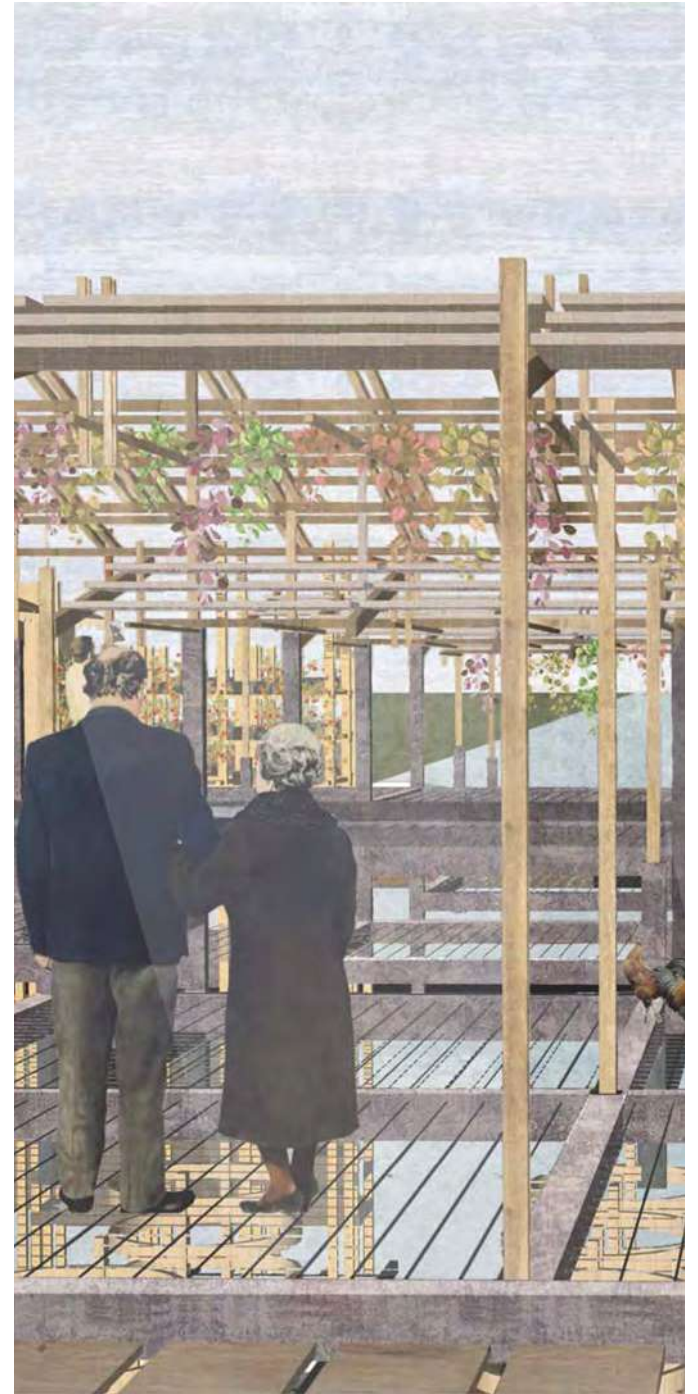
Self thought which combined into one, forming a model which not only represent own perception but an ioea of imaginary journey throughout site.

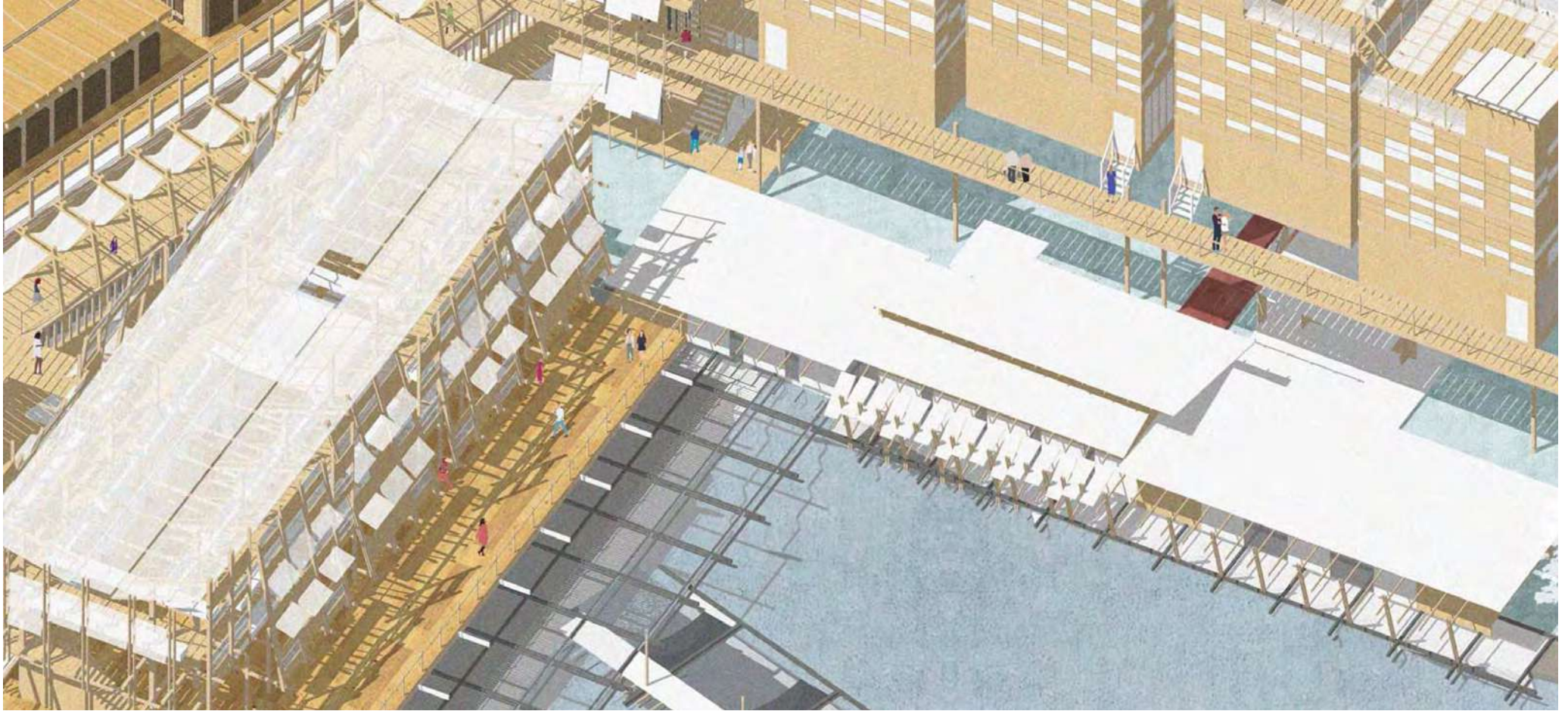


Perspective which primarily focuses on building programmes which centralized on dairies growth and production.

Progr-amme such as breeding chamber prioritize in macing and production of both Chicken and Rabbits within a suitable condition. Furthermore, chicken eggs dairies can be collected for production and income purposes.







SOUL WELL - SOUL CLEANSE CENTER

A space for people to revive from the busy life where people of Si-tiawan can return to their hometown to get a breather from the city life. As it was known that the young adults have been leaving their hometown to get a better future. A center that can replenish their soul and mind, allowing them to repent of their sins and unpleasant issues





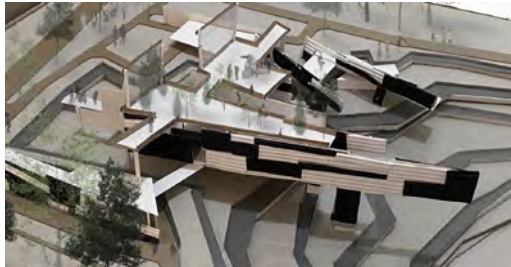
Social Hierarchy



Enculturation & Acculturation



Sociocultural



Subject: A person cognitive development is largely influenced by their surrounding culture and environment

Issue: Sitiawan have yet been developed in the aspects of leisure and recreational, young adults tend to leave hometown

Trend: Going for religious places to gain and find direction in life but faces segregation

Hypothesis: Common purpose of all religion into one center to find hope in future

Ideals: A recuperational center for the soul and mind, mental and physical



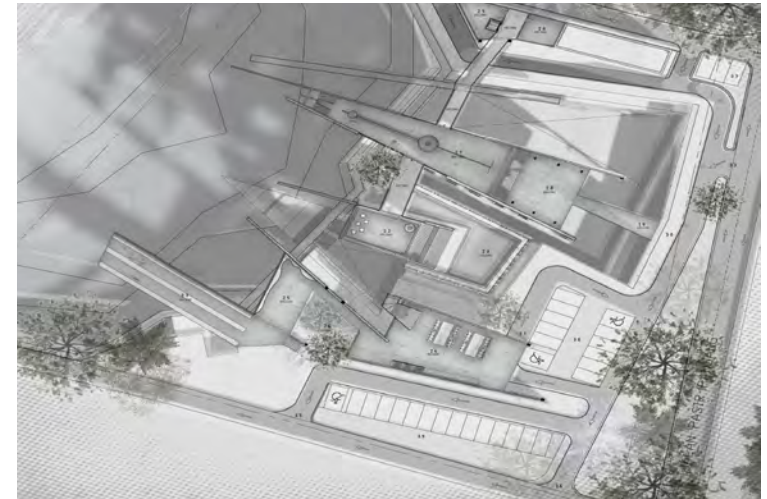
01 Nature Avenue, Rehabilitation Passage, Route to Repentance Area



03 Plantation Area, Birds' Aviary, Main Entrance



02 Vegetarian Eatery, Link to Candle Lighting Area, Public Square 01



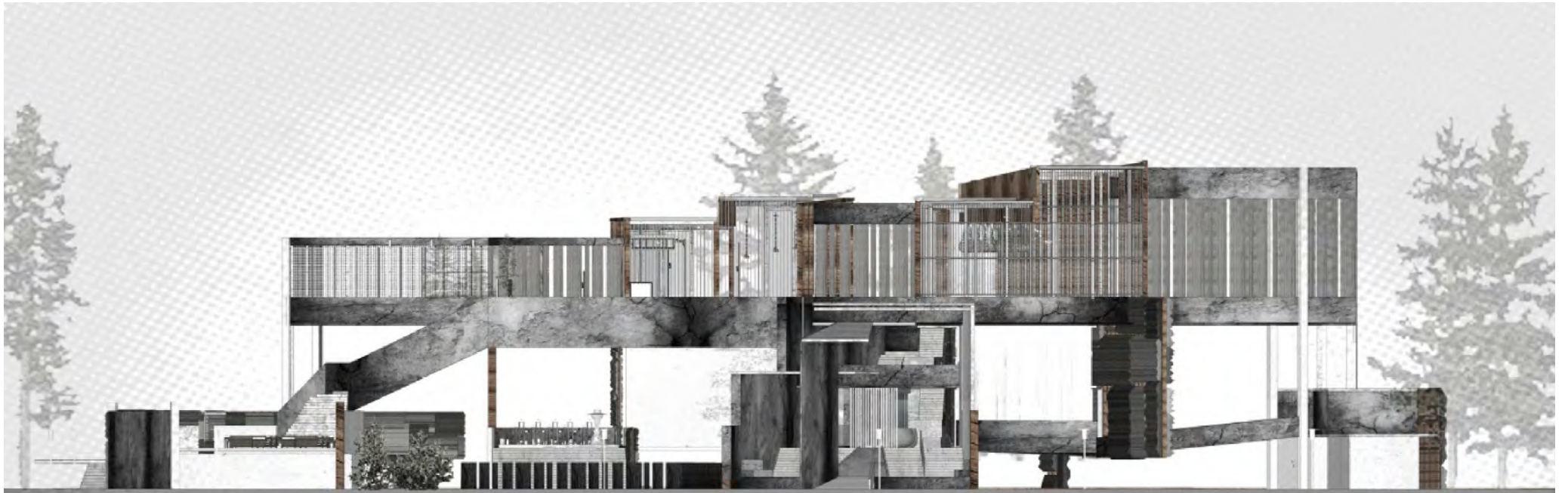


The center serves as a hub for cultural exchange and community bonding. Regular events showcase the talents and traditions of Sitiawan, fostering a sense of pride and belonging among the returning residents. Whether through traditional dance performances, local culinary experiences, or storytelling sessions, the Revitalization Center strives to rekindle the flame of hometown nostalgia.

A bridge between generations, facilitating mentorship programs where experienced locals can guide the younger generation in navigating the challenges of both local and global life. This intergenerational exchange fosters a sense of continuity, reinforcing the idea that one can achieve personal growth and success while staying connected to their roots.

In essence, the Sitiawan Revitalization Center stands as a beacon of hope and restoration, inviting its young adults back to the embrace of their hometown. As they take a breather from the bustling city life, individuals are encouraged to not only replenish their spirits but also contribute to the growth and vibrancy of Sitiawan, ensuring that its unique identity thrives for generations to come.



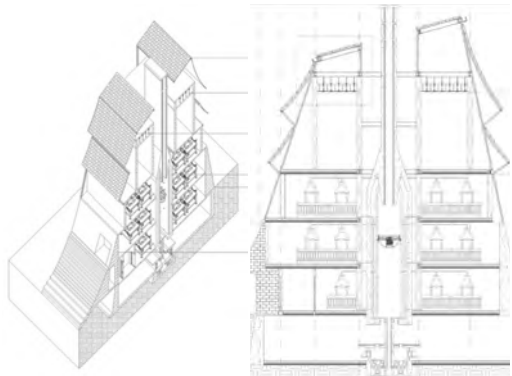


THE REMENISCENCE - THE BLACKSMITH UNITY

This project is designed as a commemoration of the glorifying days back then in Sitiawan. It spans from the first site to the second and to the last site, which is my chosen building site. This design allows the users to experience a journey while engaging in different programs at different sites. The core programs of this building will include the fishery market, blacksmith workshop, and the School of Hard Knocks. The concept of the Blacksmith Unity Building draws from the idea of essential elements—head, axe, and hop—that were first brought by the Foochows upon reclaiming the land

Moreover, due to site issues such as limited connectivity, annual celebrations, and abandoned lands, this building isn't solely for the blacksmiths. It's designed for the public to enjoy the overall journey with other supporting programs. The aim is to connect people of different generations and cultures.





The Details

01 Scattered Configurations

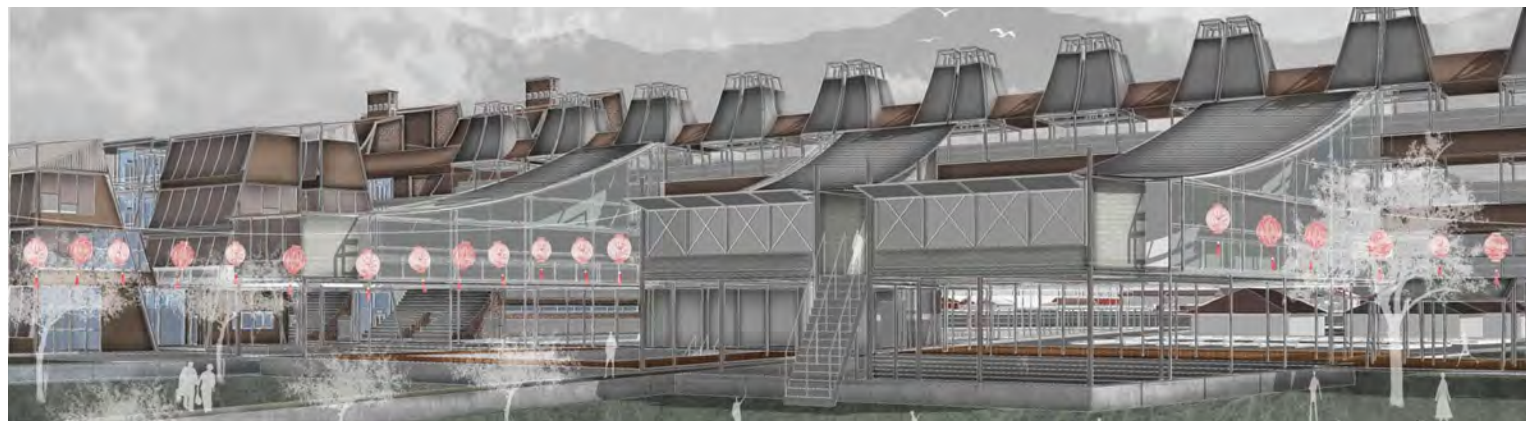
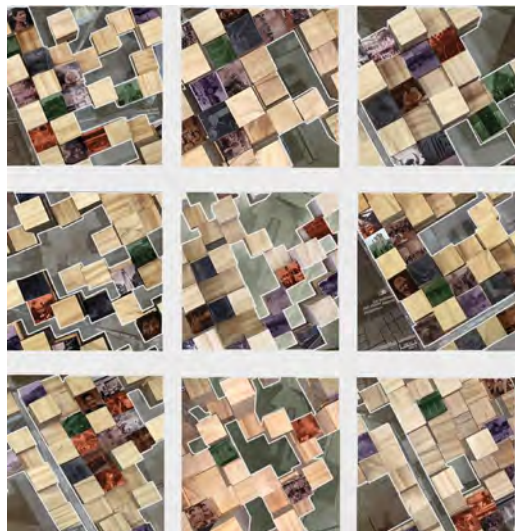
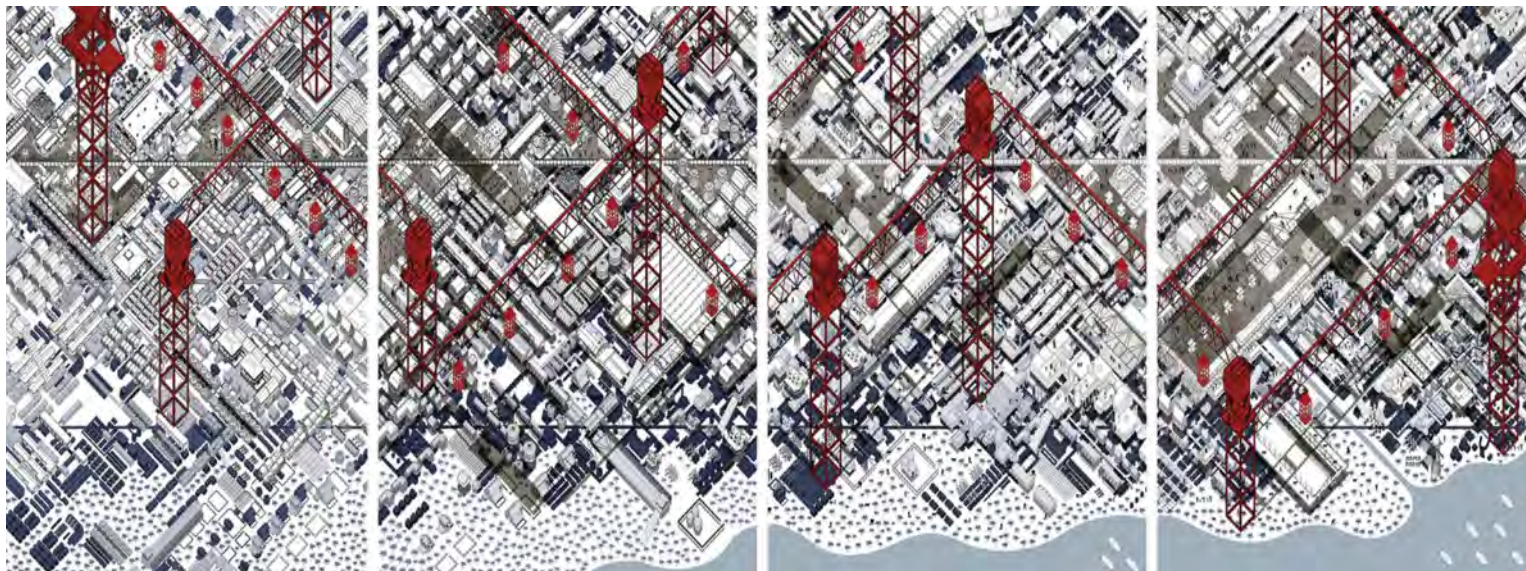
Some of the elements are dispersed from each other expressing lesser movements

02 Intense Configuration

Highlighting on the transformation of elements

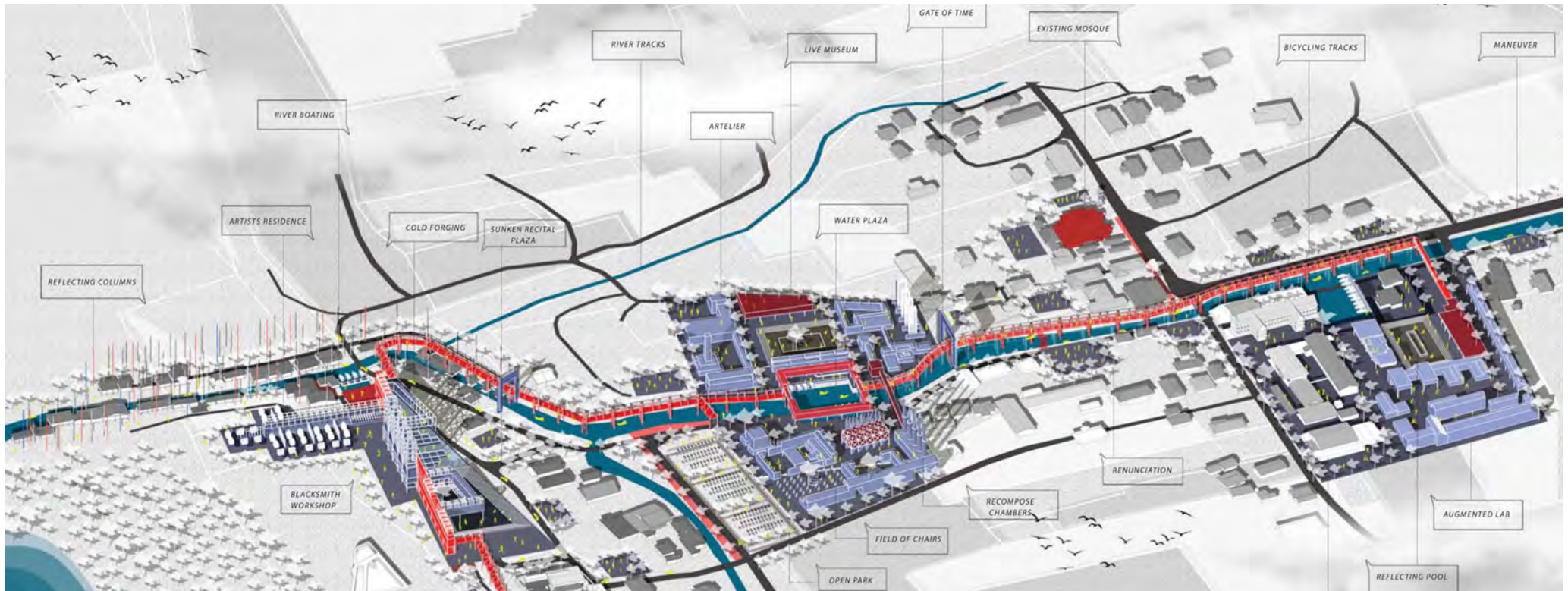
03 Interventions

Opportunity 10 synergize the elements and filling the gaps as an intervention

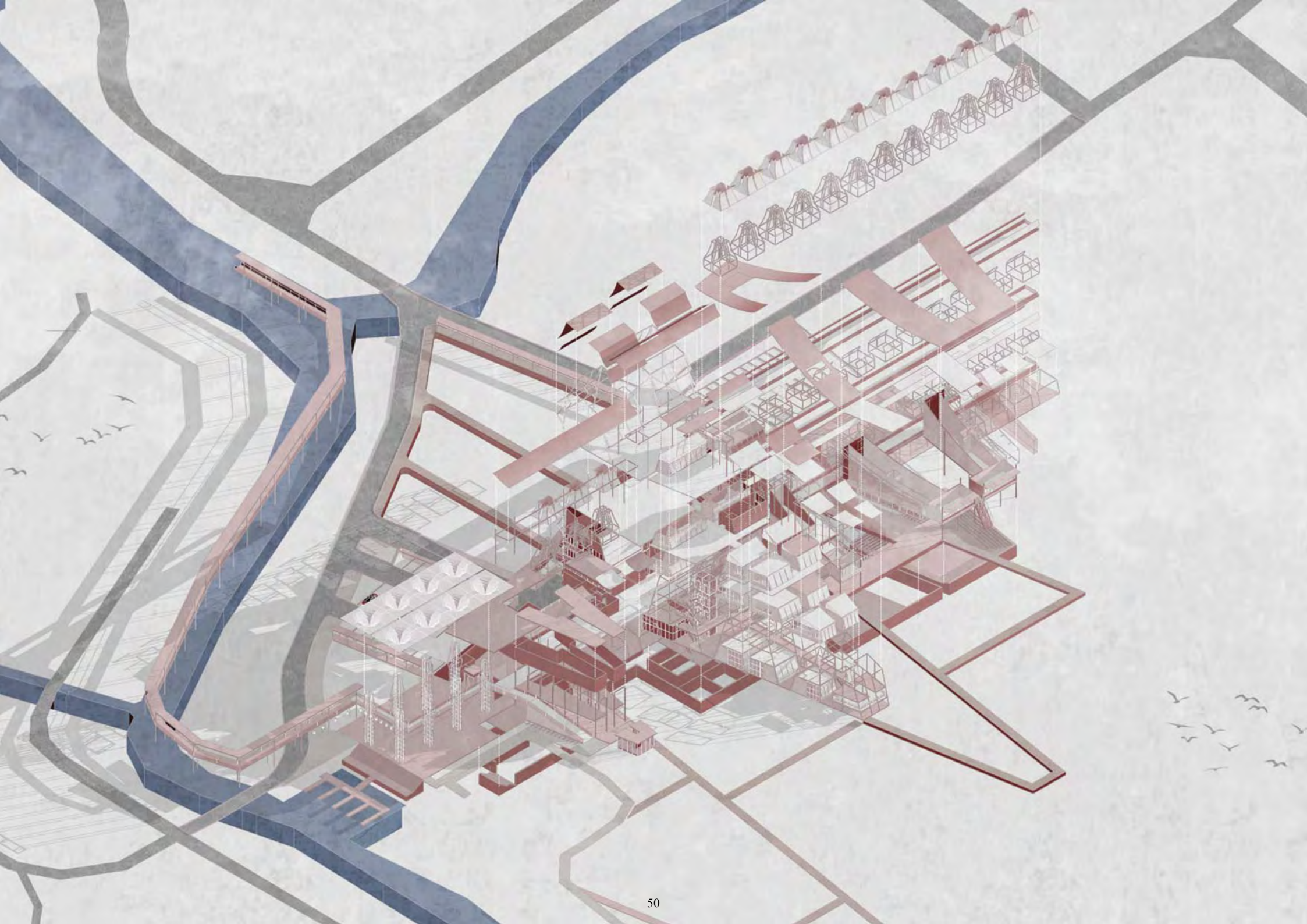


The Programmes Approach

"Blacksmith Workshop" provides an inclusive space, where people can learn and pursue creative metal forging using traditional and modern techniques, meanwhile becoming the cultural district whereby people disconnect and reconnect themselves to the past and to the current by looking at it on a different dynamics.



The vision for the “Blacksmiths Workshop” in Sitiawan is focused on a context-specific approach, starting with an understanding of the site conditions, urban fabric, and the river. This workshop aims to serve as a distinctive brand for the entire community, fostering prosperity for 90% of the population. Its purpose is to revitalize the old neighborhood through a fishery market, offering an immersive journey through the blacksmith experience. The market itself acts as a versatile space, extending beyond formal structures to accommodate various activities. In addition to being a creative hub for metal forging, the Blacksmiths Workshop provides artists’ residences for a unique staycation experience.



THE SANCTUARY

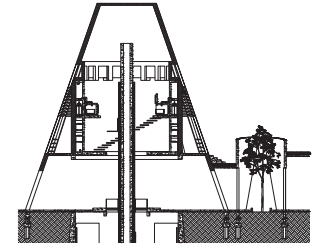
Architecture can build a bridge between the living and dead, and to some extent, blur the boundaries. The Impermanence of the human life is what brings importance to time. The memorial is a journey of acceptance and remembrance, not a journey of immersed in sorrow and mourning but rather a celebration of the fragility of human life. Architecture won't help deceased people, but it helps to keep the memories among the living. This project introduces a memorial place where people can gather and commemorate the deceased.

The intention is also to influence the perceptions and emotions connected with the death of a relative. Human as part of nature cycle transformation had been emphasized and green burial method is introduced. The cemetery will be replaced with a place of nature, where families can stroll and learn about the natural world, where communities will come together to tend and care for trees.





One of the aspect that contributes the development of sitiawan is the religion. Only when the people are united, respect and tolerance to each others. that place will then growth and the harmony will be preserved in a multicultural society. However. there is an issue which is cultural segregation between races and religion. There are always present of an invisible barrier between the people that set people far apart from each other. There are no form of oneness between the people. People coexist with one another but they are not coming together. For Sitiawan, through the population density graph that i had analysed. most of the buddhist and christian are concentrated in the town area while the malay and hindu are located around the town area.



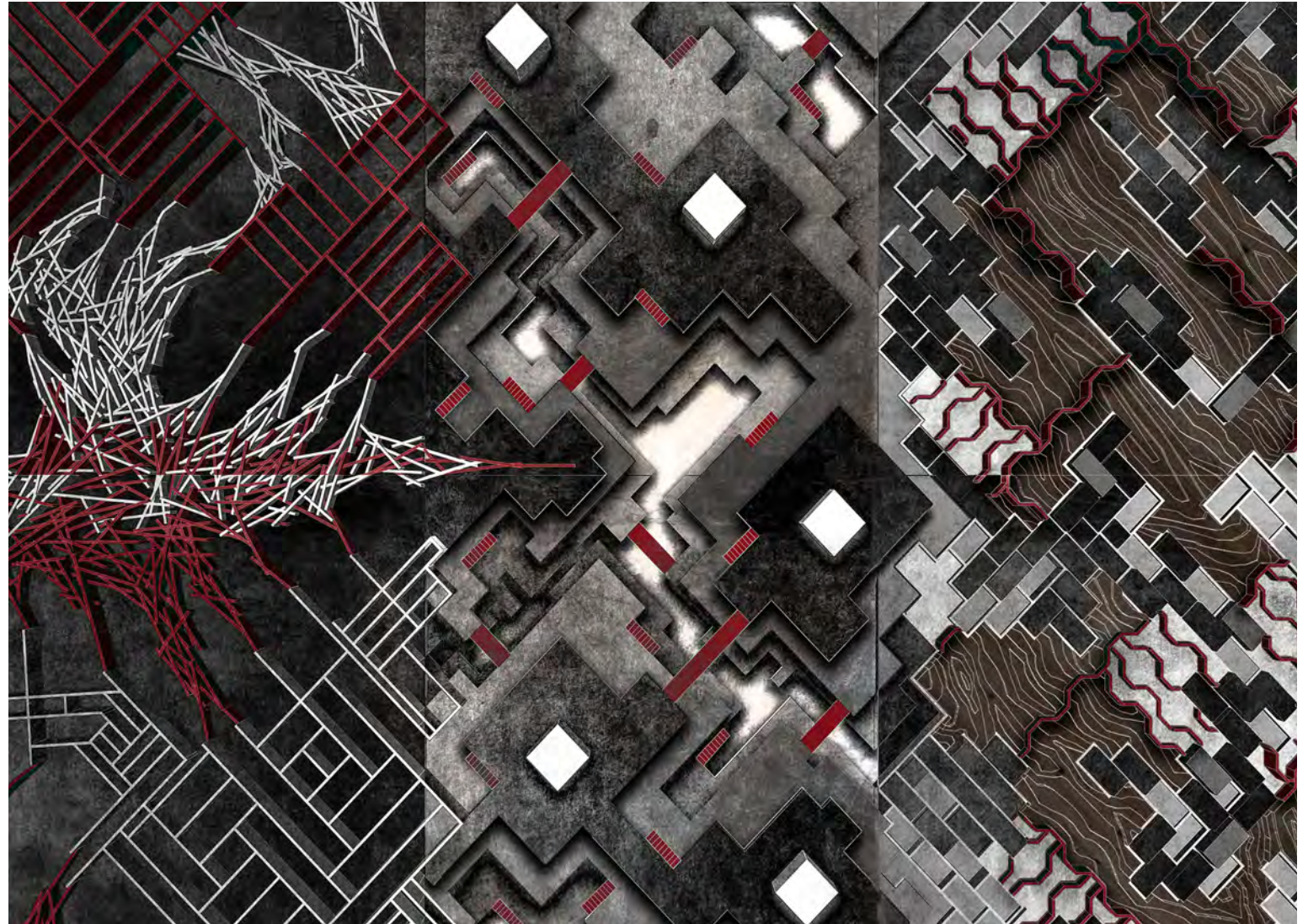
Relife

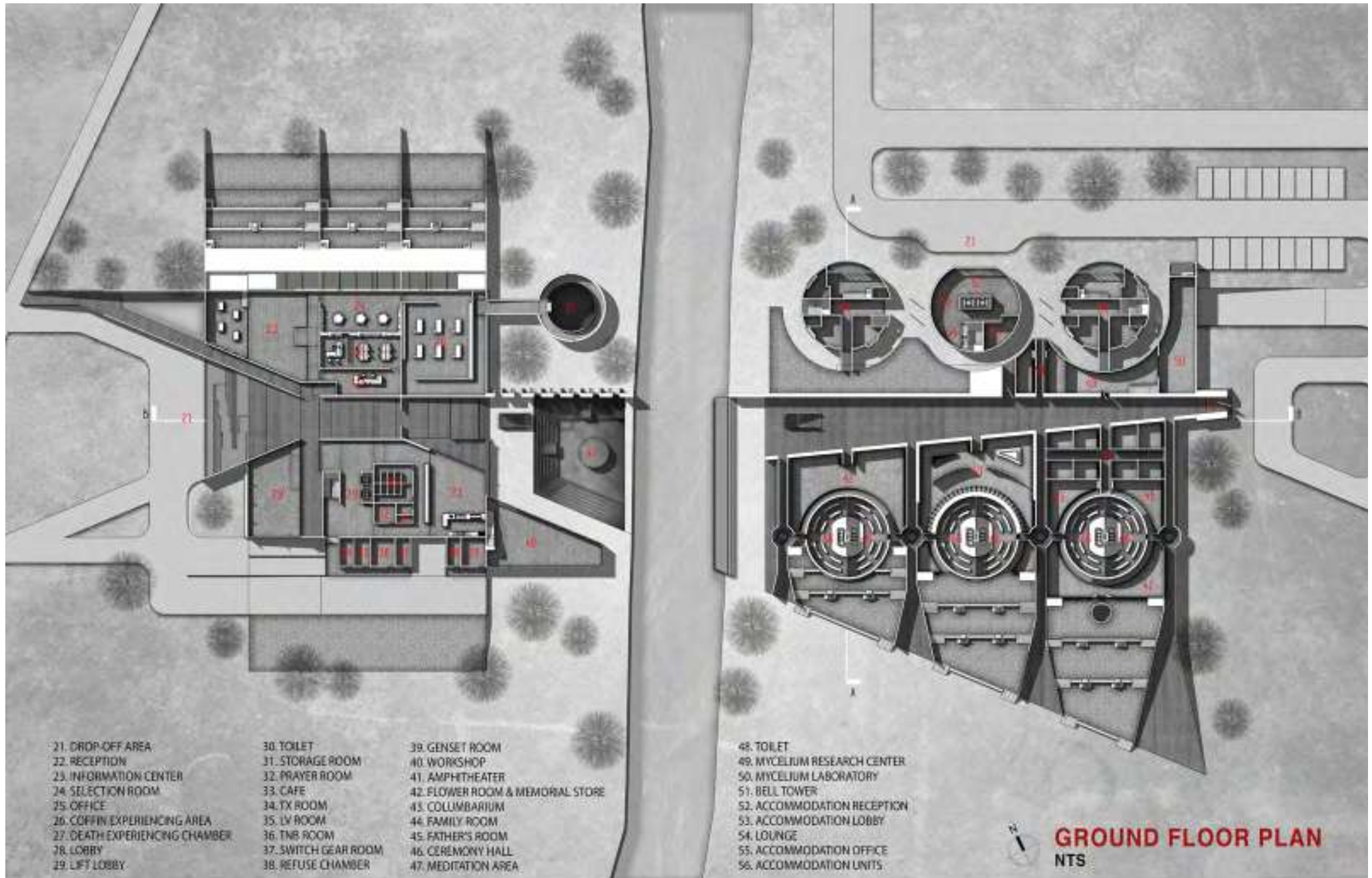


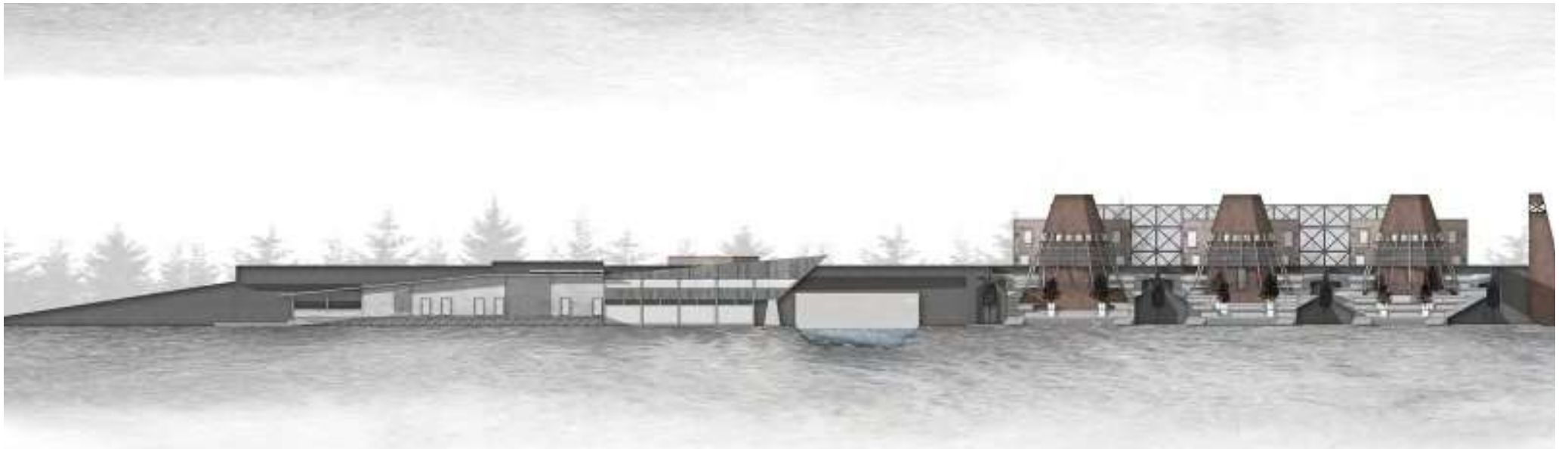
Cultural Segregation



Death



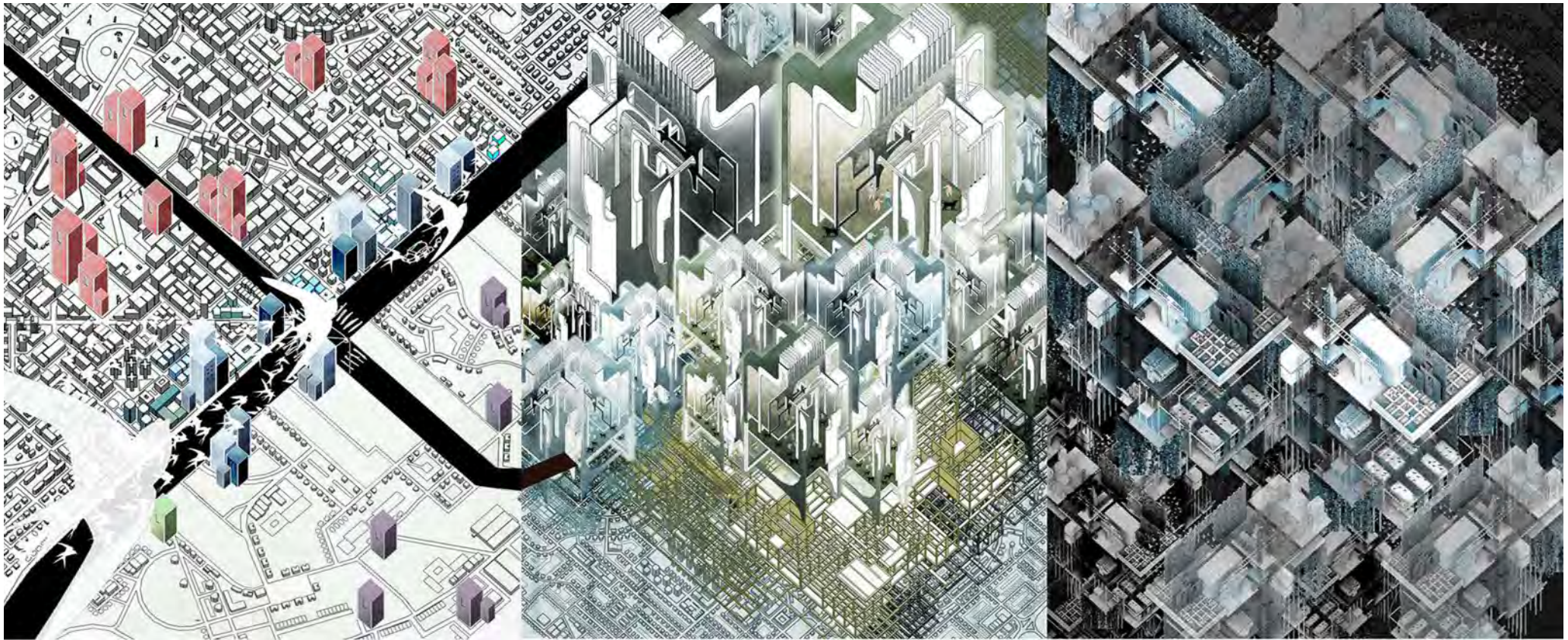




CO : CREATE - COHABITATION AND CREATION

My intention is to create a new culture (animal culture) as a media to connect both culture in the site. By introducing animal culture, behavior improvement is implant into their new idealism and attitude improvement in every individual connecting the whole site holistically. Having the same idealism towards the goods for ecosystem is the main key to open up both culture as more acceptance to one another.

Responding to the site where initially swiftlets that causes the divergence of both culture. Using the same elements :- swiftlet, as a media to creates opportunity to connects both culture together that also induced mental wellbeing for through therapy. The animal culture also fosters pet friendly spaces to make animal culture the new norm in the fabric.



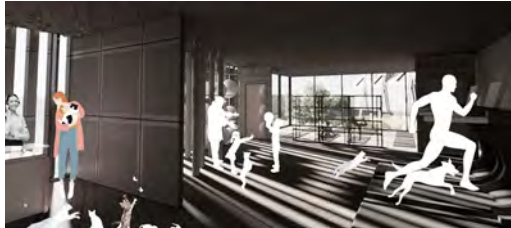
Economic Disparity

Swiftlets from the swiftlet farming since the year of 2000 has started to cause the disparity of social economic and culture. An obvious splits of economic sector difference and race in residential creates a diverging effect. This is mainly due to the swiftlet farming that could be traced back then. When this issue has disclosed the most important vehicular access during that time, causing the decreasing of activities that lead to a unused rural area.

The weak foundation of the site given its effect of lack of cultural associates, where people tends to living in their comfort zone. The mirroring effect represents the exact and its possibilities, the culture difference. The difference in culture also causes the difference in idealism which it leads to the splitting of social value. The human activities is less and its staggered.

Symbiosis: Cohabitation

The introduction of new elements could bring new height to the share thoughts and idealism. Which then brings to sustainable effect. The merging of 2 different culture through the introduction of new media will creates a spreading effect that eventually influence the whole site holistically.



A new typologies study supports the swiftlet and human interaction bond that induces mental well-being. The biggest challenge is to create suitable habitat for the swiftlet while providing breathing space for human living. A new type of research is conducted under the circumstances of the new era: COVID-19 and modern technology have created different researching methods.

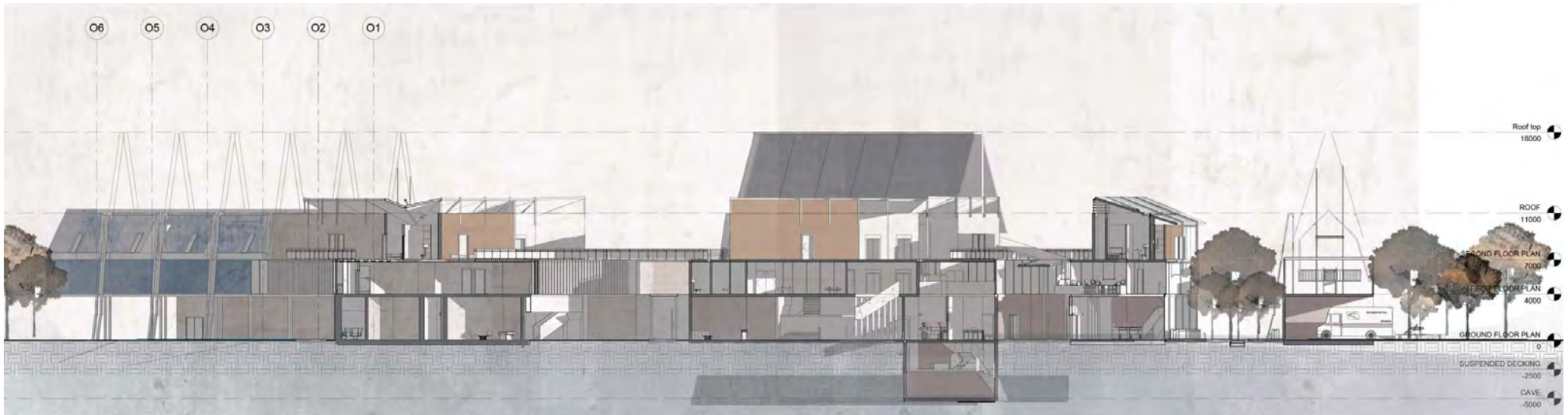
The strategy to invite all types of wildlife is a self-response to the love of animals and the hope of creating mutual benefits and symbiotic purposes.







Section A-A



Section B-B



Beirut

The Great Reset



Port of Beirut Renewal

Beirut, the capital of Lebanon, is situated on a peninsula along the country's Mediterranean coast. The city is framed by the Lebanese mountains and takes the shape of a triangle between two hills. With a history spanning over 5000 years, Beirut is recognized as one of the oldest cities globally. Its strategic location as a seaport is vital for both the city and the surrounding region, contributing to its historical and contemporary significance.

Approaching the Project

"The Great Reset" project for post-catastrophe reconstruction goes beyond rebuilding structures, focusing on innovative designs, integrated programs, inclusivity, and sustainable construction techniques. It prioritizes recovery and permanent solutions in the final phase of a multi-phased approach to reconstruction, considering cultural, social, and environmental contexts for creating stronger, sustainable, and meaningful built environments.

Unit B, aligned with the 'B-Port - The Heart of Beirut' design competition, aims to establish a synergetic relationship between the port and Beirut. The project seeks to generate social and economic opportunities, moving beyond a history of industrialized fortification. On-site research, using media information and employing diverse methods collectively and individually, forms the basis for interventions that assess urban conditions at various scales.

Hypothetical yet pragmatic works are developed through strategic processes, including drawing, model-making, detailing, and controlled building. The typological aspects of the main project vary among students based on individual and collaborative studies, shaping individual project briefs through a collective process.

Bakhtiar, Ar Bobby Low, Ar Qharwarizmi, Ar Oscar Tan, Yean Tuck Leong

Keywords : sentiments | commemoration | post catastrophe / post disaster | synergistic relations | integrated typology | reconstruction / renewal | domesticated industrializations | strategic operative | mechanisms | social inclusions | permanence vs impermanence



LE JOYAU DU LIBAN- DANCE ACADEMY AND CULTURAL CENTRE

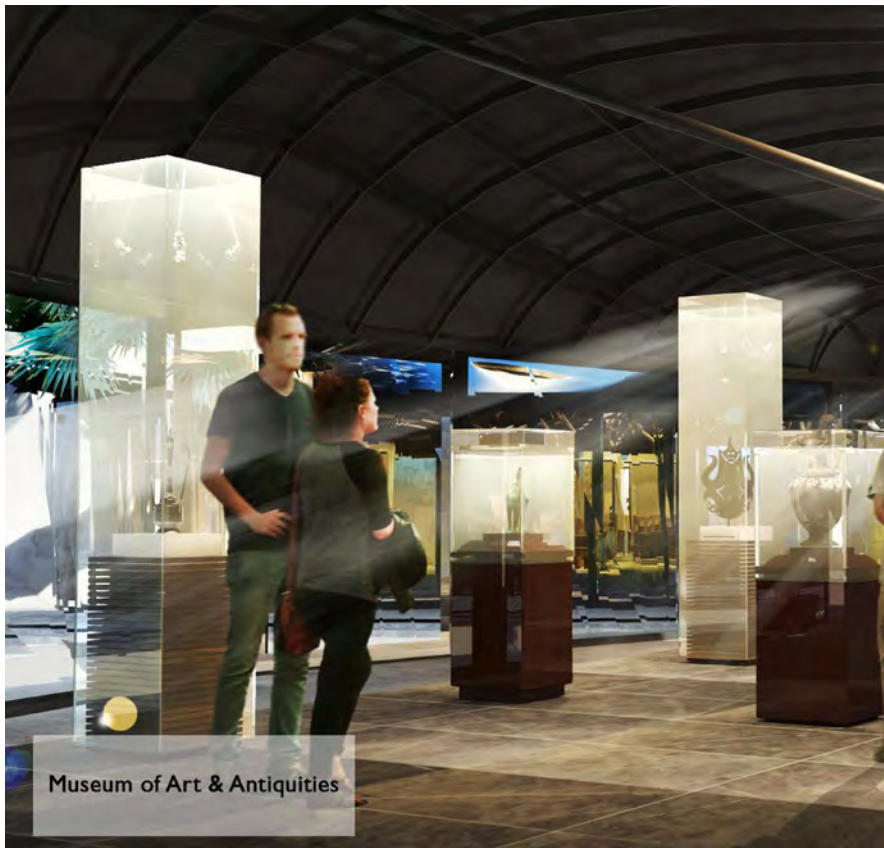
A year has passed since the horrific Beirut blasts, Lebanon has become a living nightmare of surreal proportions. With recent economic recessions, lack of international funding & aid, political turmoil, sanctions, and a pandemic crisis, Beirut is at the very heart of grave danger of losing its status as a city of cultural and art importance. With thousands of artists migrating out of Lebanon in search of a better life, this study concentrates on a few key points that would lead to a hub that will re-welcome artists and lovers of culture. This creates an opportunity to relate the lost Archi-tectonics of Beirut with its endangered Art and Culture

Le Joyau du Liban Dance Academy & Cultural Centre envisions itself as a beacon of hope in a land of turmoil. A safeguard of free-thought and exchanges of art & cultural matters. The institute's vision to re-organize the disenfranchised artists, dancers of the Middle East to return and re-establish Beirut as the cultural capital of the region

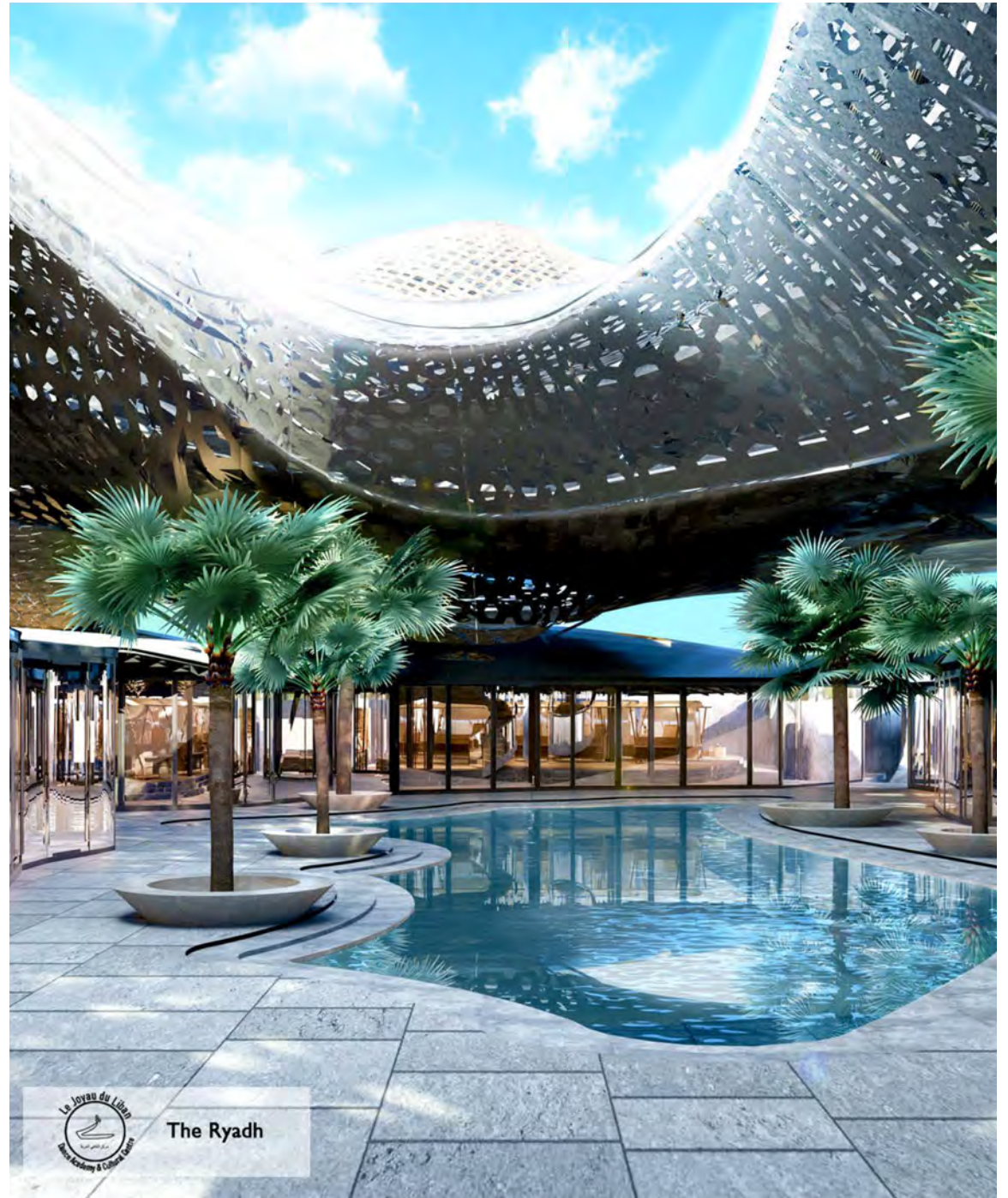




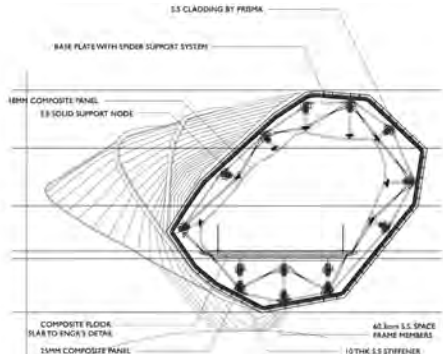
Ballet Dancer's Gallery



Museum of Art & Antiquities



The Ryadh





Beirut Green Necklace Le Collier Vert de Beyrouth قلادة بيروت الخضراء

Legend

1. Port of Beirut Passenger Terminal
2. Art Exhibition & Theater
3. Bayview Tourism Parcel
4. Promenade (East Wing)
5. Bayview Seating Steps
6. Dance Opera & Academie
7. Designated F&B Areas
8. Institute of Lost Arts & Culture
9. GEPB "Container Free Zone"
10. Al Marfa'a Park
11. Product Logistics Centre (East Wing)
12. Souq Al Medawar (East Wing)
13. Designated F&B Areas (East Wing)
14. Mixed-Urban Installations (East Wing)
15. Food Storage & Museum
16. Quarantina Fountain
17. Memorial of the Brave
18. Mixed-Urban Installations (West Wing)
19. Designated F&B Areas (West Wing)
20. Souq Al Medawar (West Wing)
21. Product Logistics Centre (West Wing)
22. New Port Silos
23. Beirut Honey & Pollination Center
24. Centre of Tourism
25. GEPB "Container Conventional Zone"
26. Produce Processing Plant
27. Production Bureau & Offices
28. Agriculture Processing & Collection
29. Stacked-Container Housing
30. Mass-Horticulture Centre
31. Stacked-Farms & "Douanes" Zone
32. Port Authority Waste Management
33. Existing GEPB Port Authority Zone
34. Connecting Sky Bridge

Zones and Programmes

- | | | | |
|--|-----------------------------|--|----------------------------|
| | The Green Necklace Proposal | | Agricultural Programmes |
| | Active Port Authority Zones | | Transportation Programmes |
| | Beirut Corniche | | Residential Programmes |
| | | | Art & Cultural Programmes |
| | | | Food Processing Programmes |

N
SCALE : 1 : 7500



- ### Beirut Green Necklace Parcel Divisions
1. Le Joyau de Liban
 2. Quai N9
 3. AgroNomic BioArt
 4. La Prothèse de Beyrouth
 5. La Terre Utopie
 6. Beirut Purifier Centre

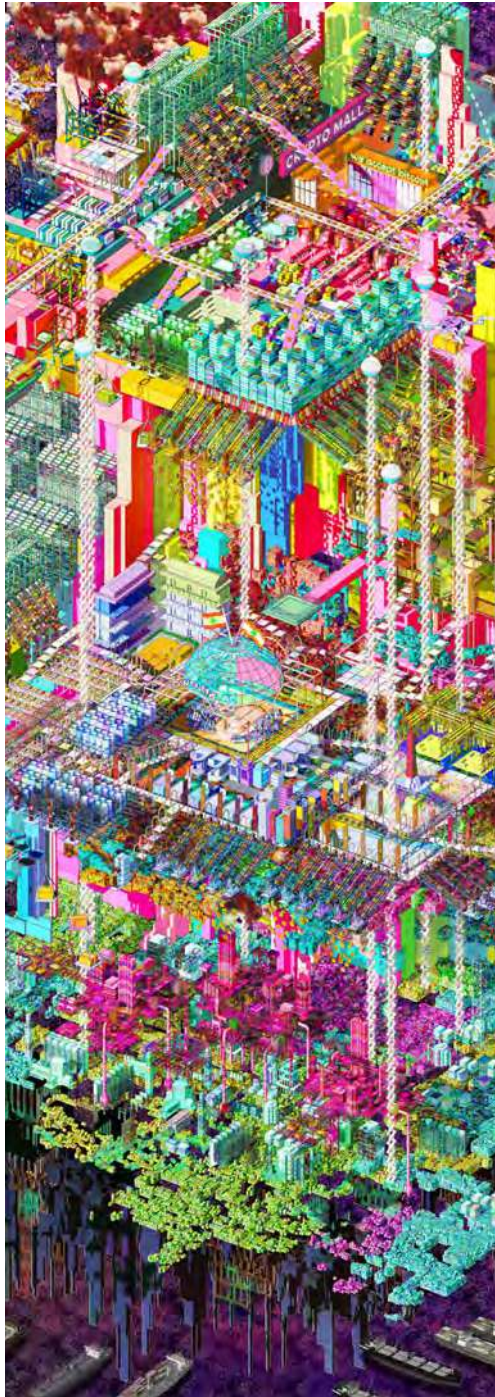


INTO THE DECENTRALAND - BLOCKCHAIN CITY

In response to the inefficiencies stemming from a government constitution based on racial considerations, the Recollective program aims to decentralize the distribution of governance and financial powers. This shift towards involving private sectors and local citizens is driven by the desire for active monitoring of government efficiency and the prevention of power misuse and corruption. Lebanon, having faced a series of unfortunate events and tragedies, has highlighted the inadequacy of relying solely on government decisions. The need for citizens to have a say in actions that impact the reconstruction and restructuring of the nation, especially in areas like finance, economy, social security, and welfare, is emphasized.

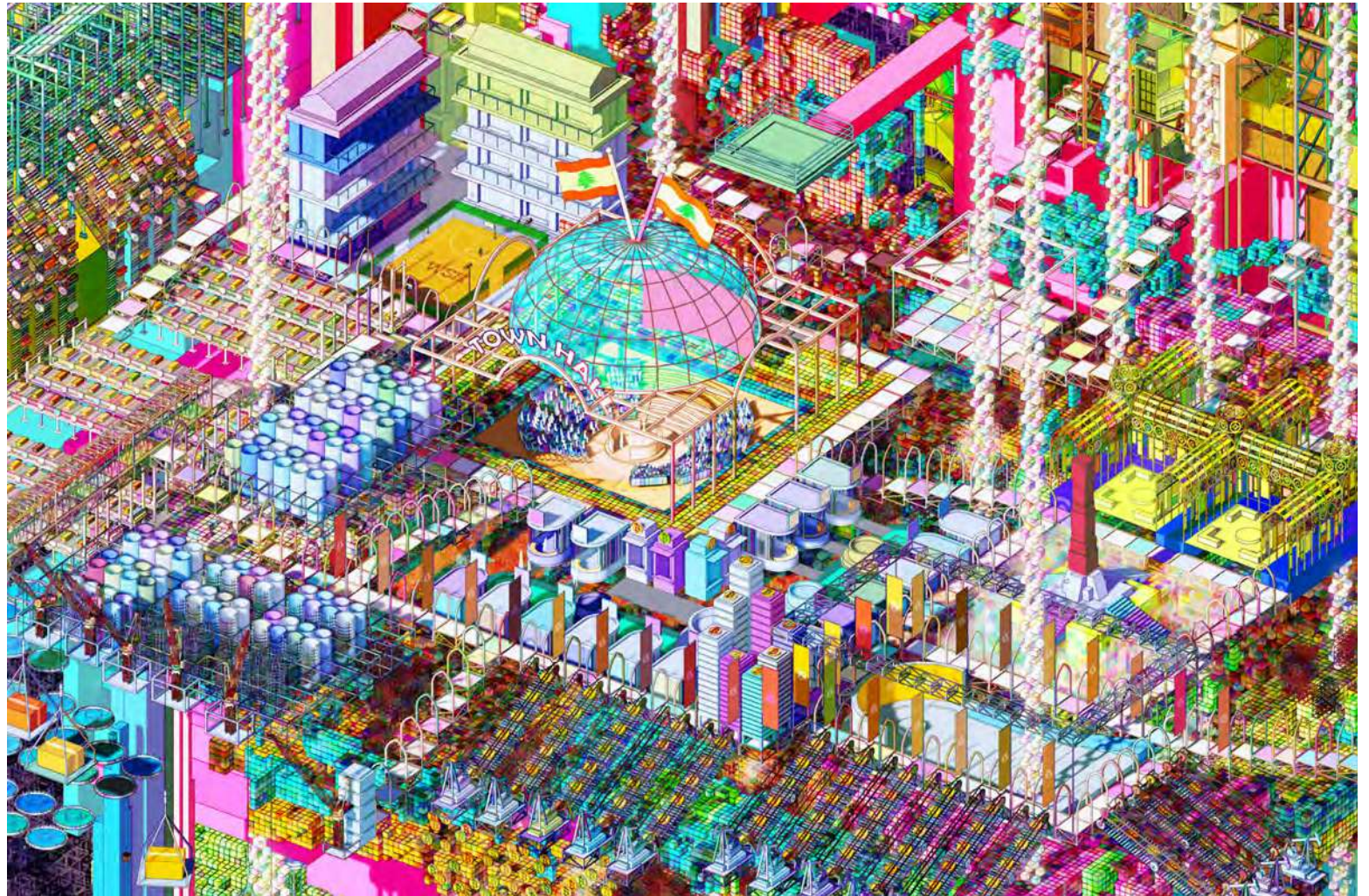
The Recollective program endeavors to instigate a ground-up revitalization of Lebanon through communal reformation, fostering unity among people from diverse communities on common ground. Recognizing the imperative for a collaborative approach, the project seeks to rebuild and restabilize the country, starting from ground zero. Beyond conventional measures, the project also advocates for the adoption of cryptocurrency as an alternative financial system, citing its potential for enhanced value and adaptability. This multifaceted strategy aims not only to address existing challenges but also to pave the way for a more inclusive, efficient, and resilient Lebanon.





Program injection : Recollective

The “Recollective” program aims to address inefficiencies caused by a government constitution based on racial considerations. The project envisions decentralizing governance and financial powers, empowering private sectors and local citizens to actively monitor government efficiency and prevent misuse of power and corruption. Recognizing Lebanon’s challenges and the need for alternative solutions, the initiative encourages citizens to play an active role in rebuilding and restructuring the country, particularly in areas such as finance, the economy, social security, and welfare. The project emphasizes communal reformation, fostering unity among diverse communities for collective progress. Additionally, it explores the adoption of cryptocurrency as an alternative financial system with greater potential value.





01 MARITIME SERVICING
 Accommodate maintenance needs or repair, refuel or other services to provide an highly competent all rounded maritime service

02 HARBOUR EXPANSION
 Public landscape extending from internal site to external site to form a continuous green scenery

03 SMART FARMING SENSOR + GUIDE
 Elevating traffic efficiency by guiding trucks to available parking in the shortest duration

04 LEEWARD DROP OFF
 Truck driver are to drop-off cargo at the drop-off station along the linear path.

05 MIX-DEVELOPMENT
 Mix development zone to provide various programmes, both commercial and social for the port workers.

06 GREEN VALLEY PARK
 Bring joy and greeneries into the urban spaces by injecting recreational zone within buildings

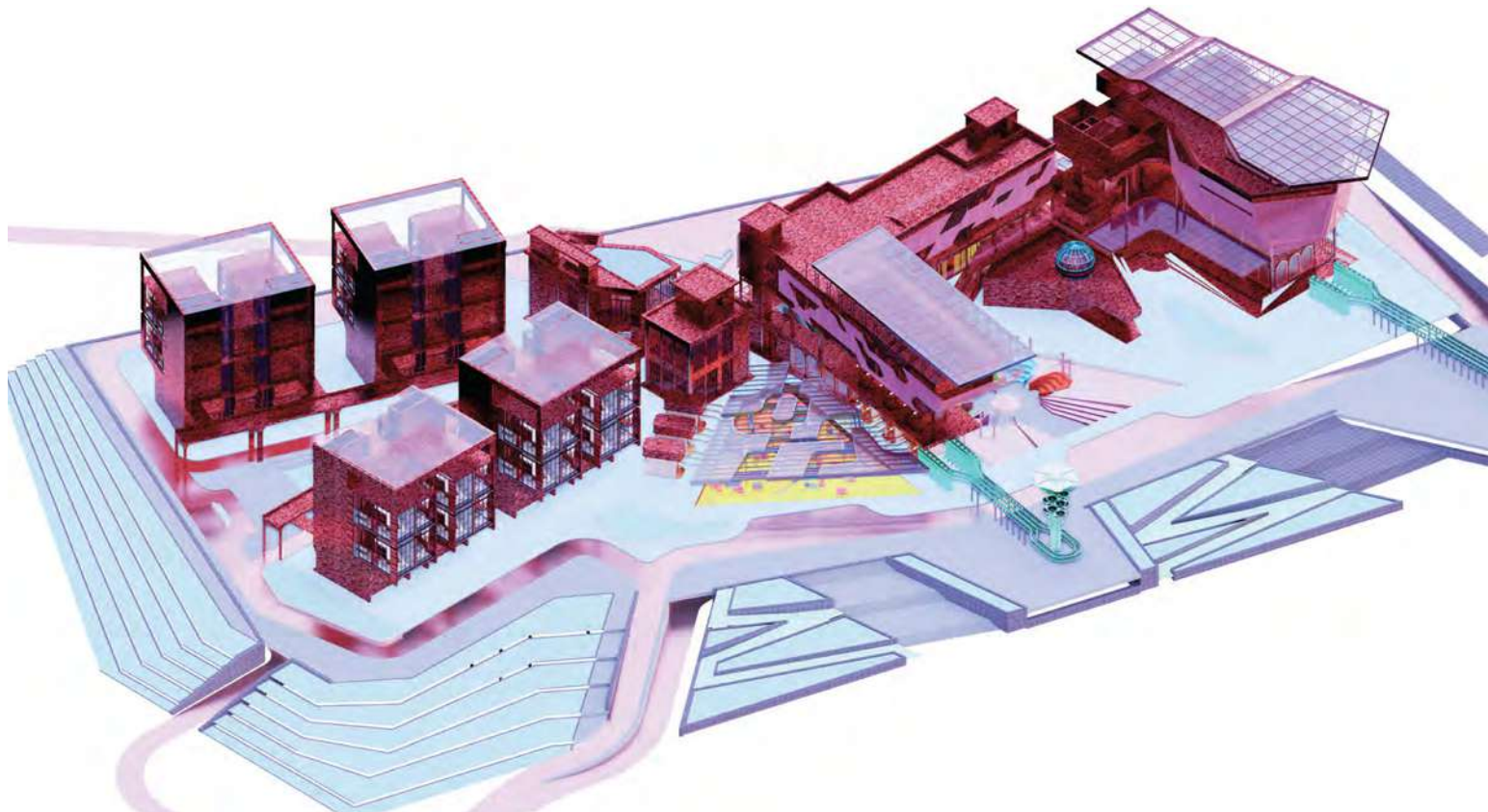
07 SECURITY
 Supervision of the port safety and enable quick response to any accidents within port to minimize damage done

08 CULTURAL BASIN
 A cultural melting pot that showcases and celebrates diversity of local culture.

09 CLOSING UP SOCIAL GAP
 The market spaces as the mediator between various community to slowly reestablish the social status and wealth.

10 GREEN CONNECTION
 Vegetation extending from internal site to external vacant lands to form a continuous green scape

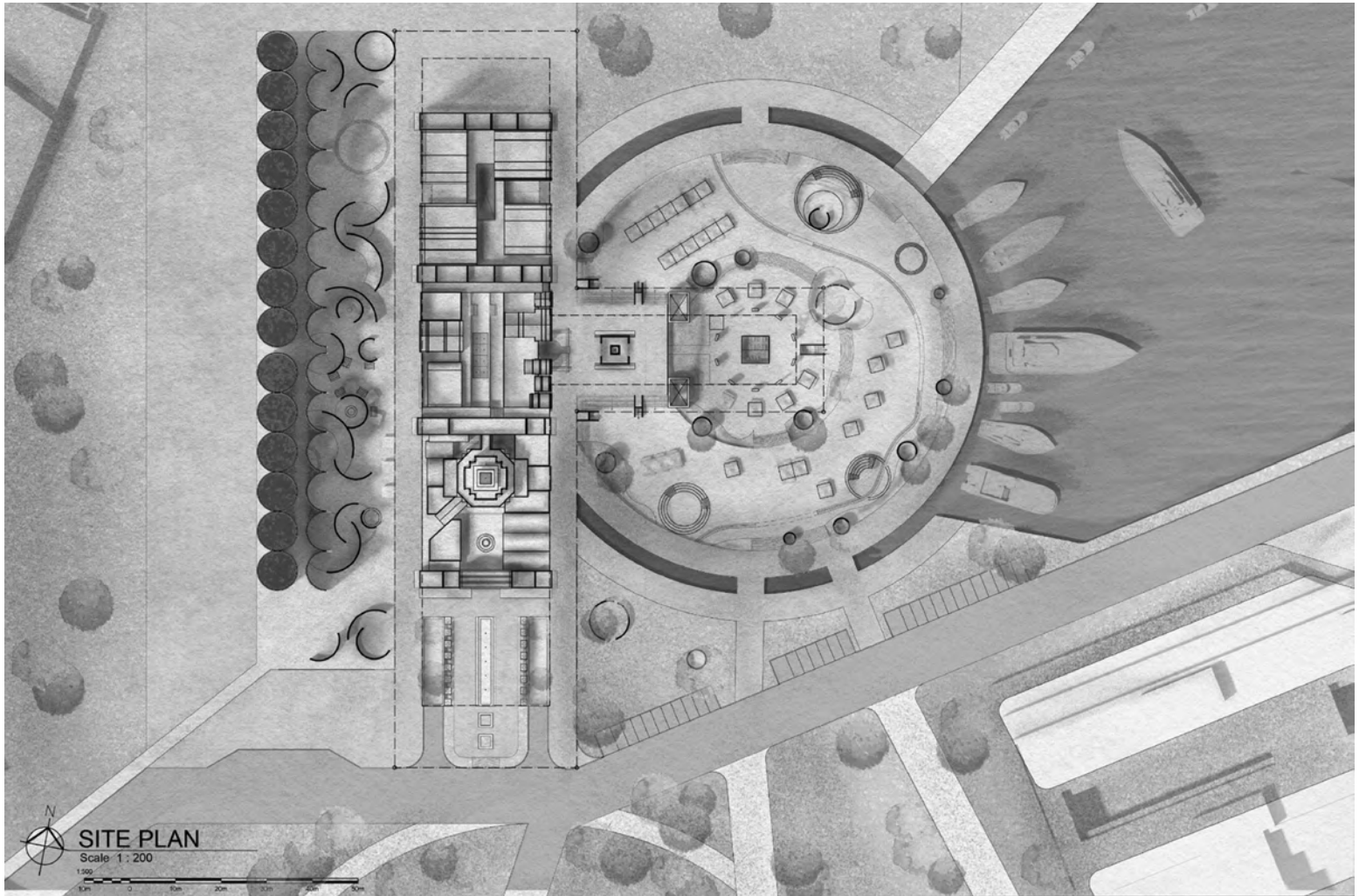
11 NAVAL DOCK
 Private naval dock reserved for navy affairs, the access is required by a bascule bridge.



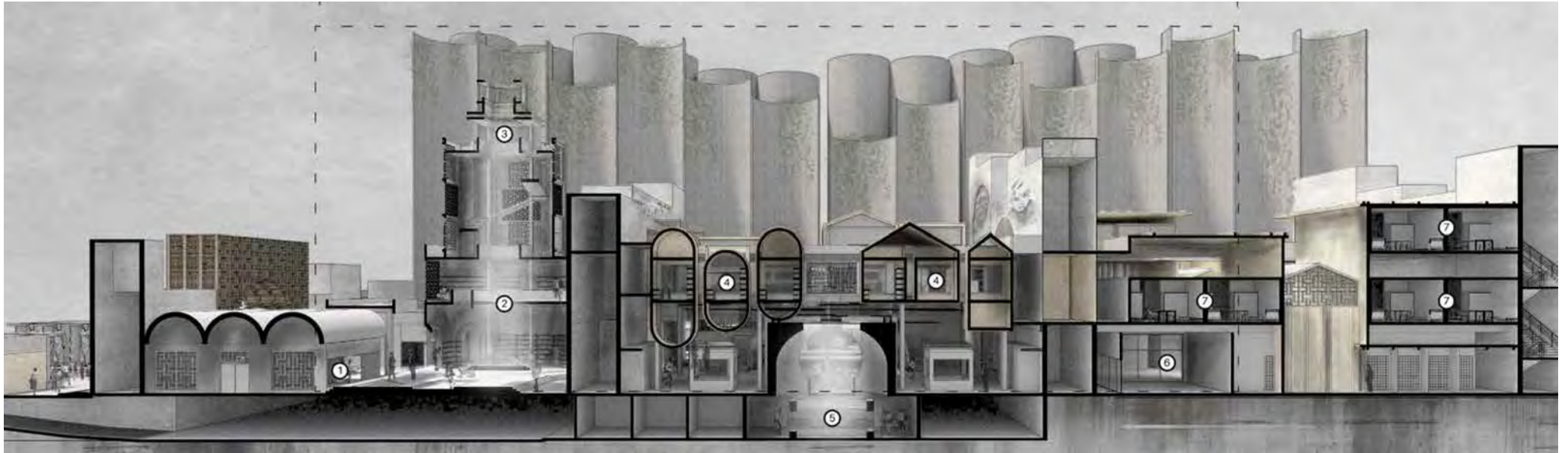
INSTITUTE OF CULTURAL ACTIVISM

Responding to the revolution of the people in Beirut, looking for mediums to express their opinions freely within the context of Beirut's culture, this building is designed to accommodate the revolution and demonstration, creating a decentralized space for the people, utilizing art, music, and sculptures produced as part of the program to express the opinions of the public. The design is intended to invoke individuality of the people in expressing themselves in the work while creating safe havens and subtle passage escape ways for the more radicalized individuals to practice their work safely, while public spaces are designed with a level of densification to accommodate festivities, communal activities, and NGO aid in the port





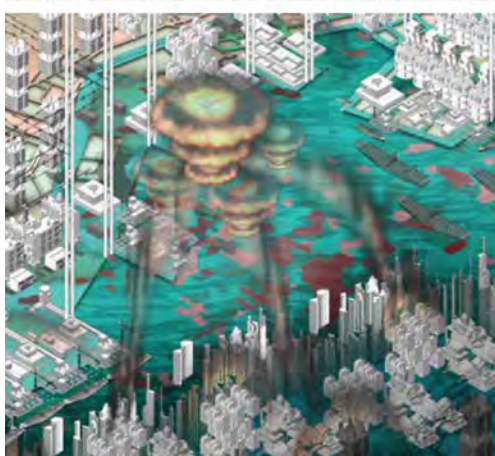
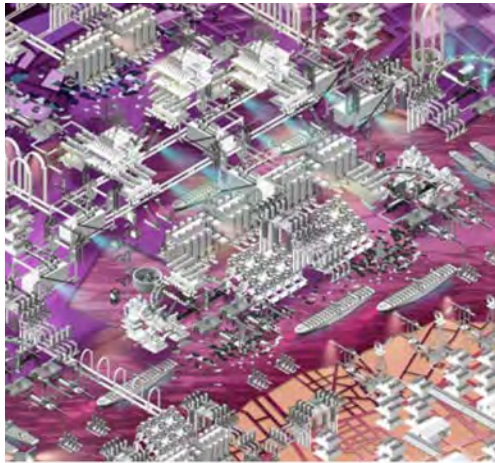




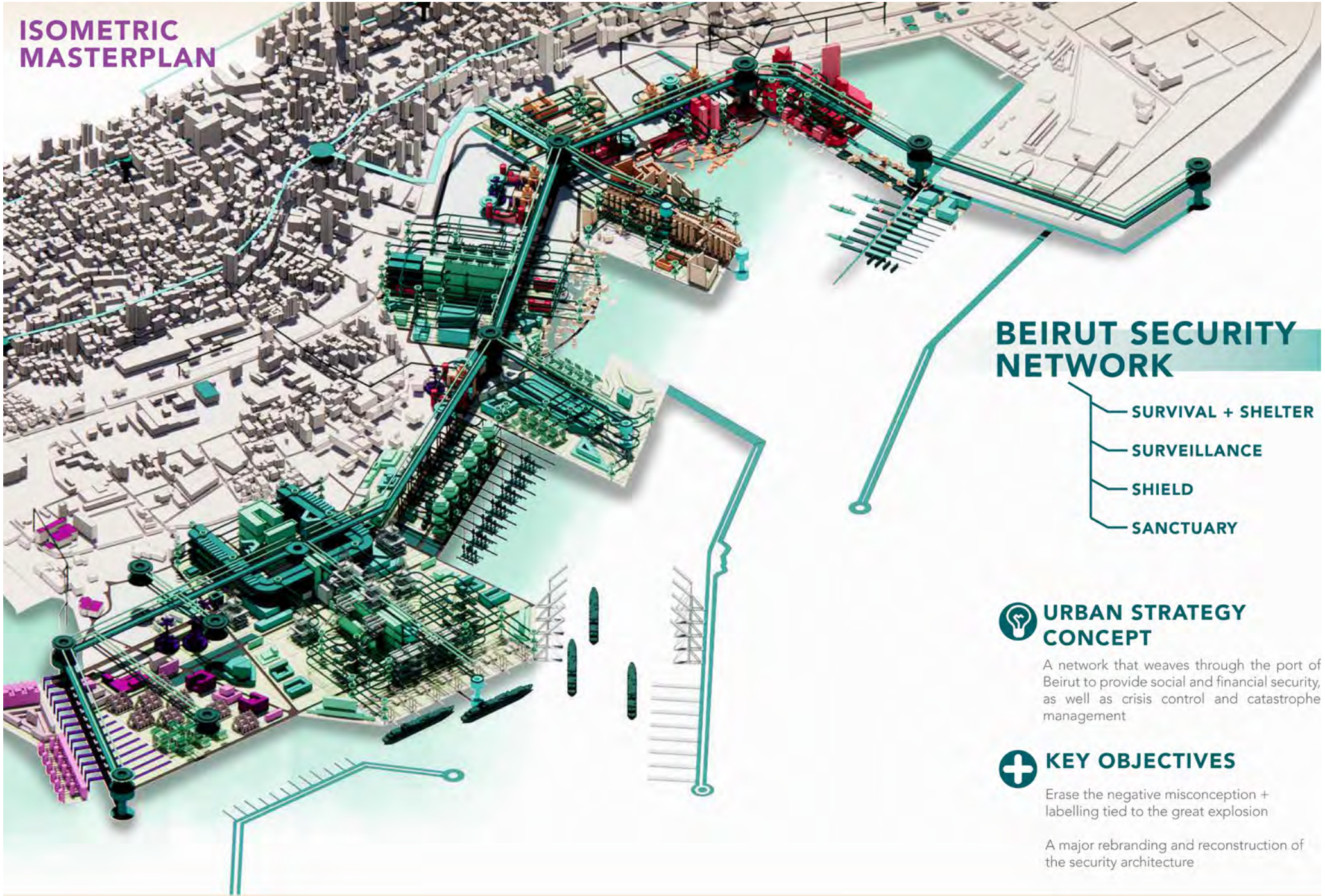
BEYOND INSTITUTE OF SECURITY

The future vision for the port envisions a harmonious coexistence of utopian and dystopian elements, striking a symbiotic balance. A robust connection and interdependence are established between the outward-facing port and the inner city, as well as between Beirut as a city and the broader global context. Crucially, the port maintains its ties to heritage, acknowledging the tragic explosion of the past, while simultaneously propelling itself forward with cutting-edge future technologies. It emerges as a reimagined portal, transcending temporal, historical, monetary, and methodological boundaries.





ISOMETRIC MASTERPLAN



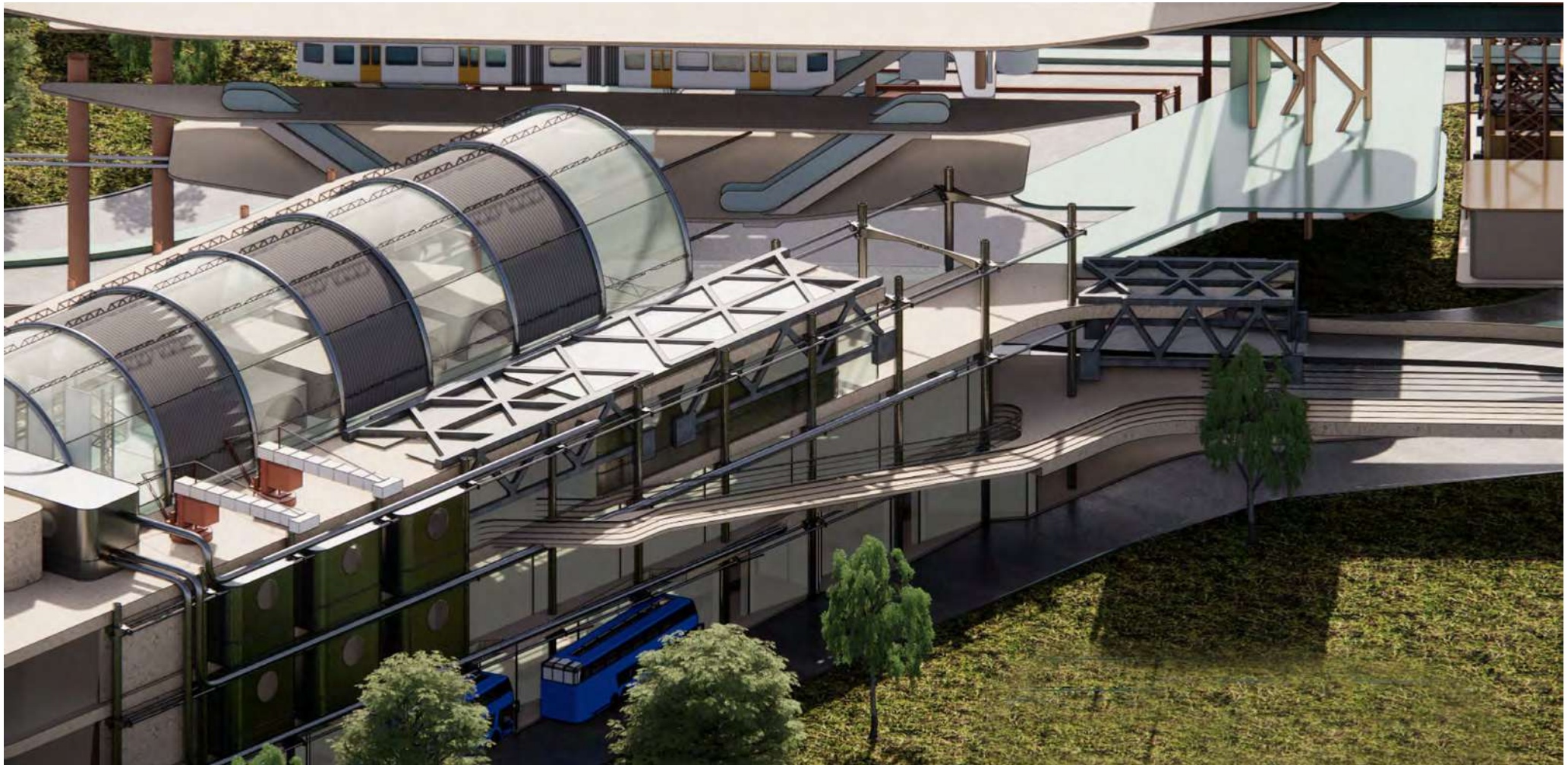


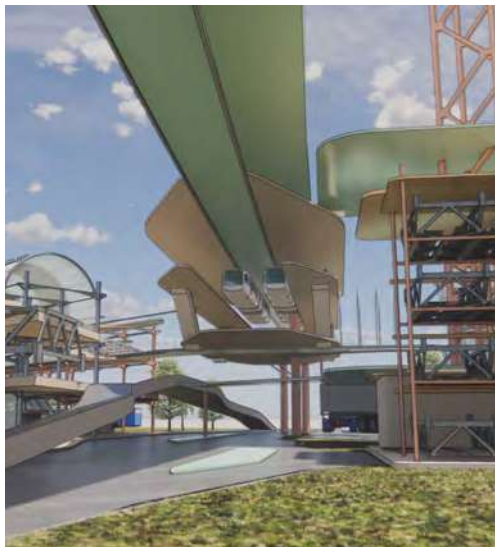
BEYOND INTERSECTION - HYPER MULTIMODAL TRANSPORTATION HUB

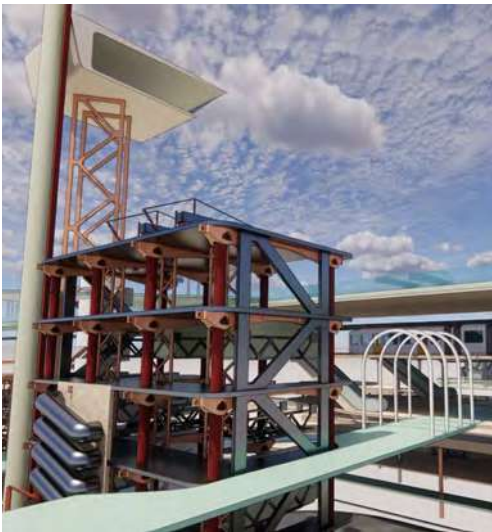
The careful integration of the three main concepts is paramount to preserving the functionality of the port while also accommodating future interventions. Sustainability, in addition to expanding vertically in terms of food production, involves the implementation of innovative solutions to further increase agricultural output.

Connectivity is enhanced through a proposal to de-fortify the walls surrounding the port, facilitating the infusion of public-participated programs seamlessly intertwined with port operations. This approach encourages a harmonious coexistence between the port and the broader community, fostering collaboration and engagement.

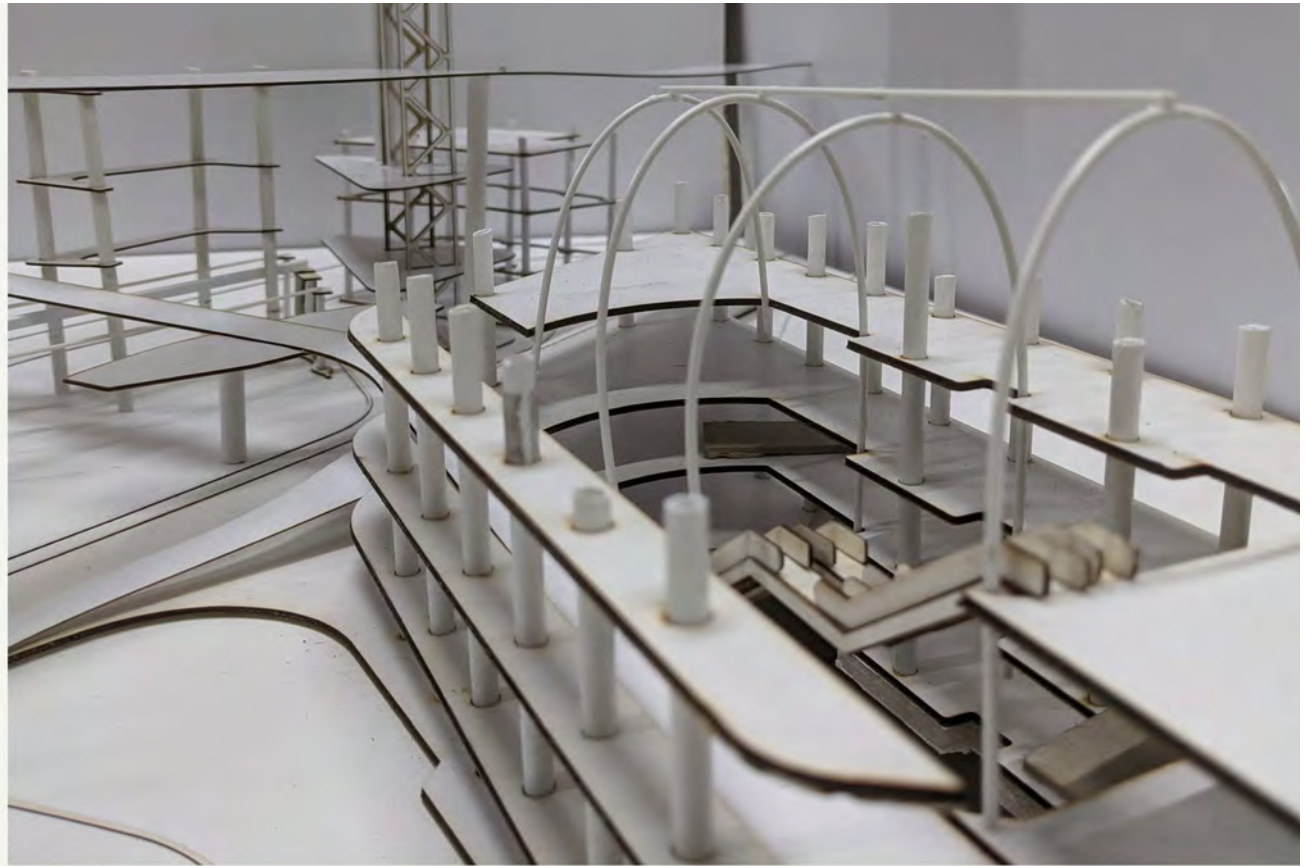
Integration is a key focus, exemplified by the stacked port design. This configuration not only maintains or enhances port efficiency but also allows for the seamless integration of diverse programs. The port can adapt to accommodate additional functions while operating at full capacity, demonstrating a versatile and adaptable approach to future developments. This holistic strategy ensures that the port remains a dynamic and integral hub, capable of meeting evolving needs and challenges.





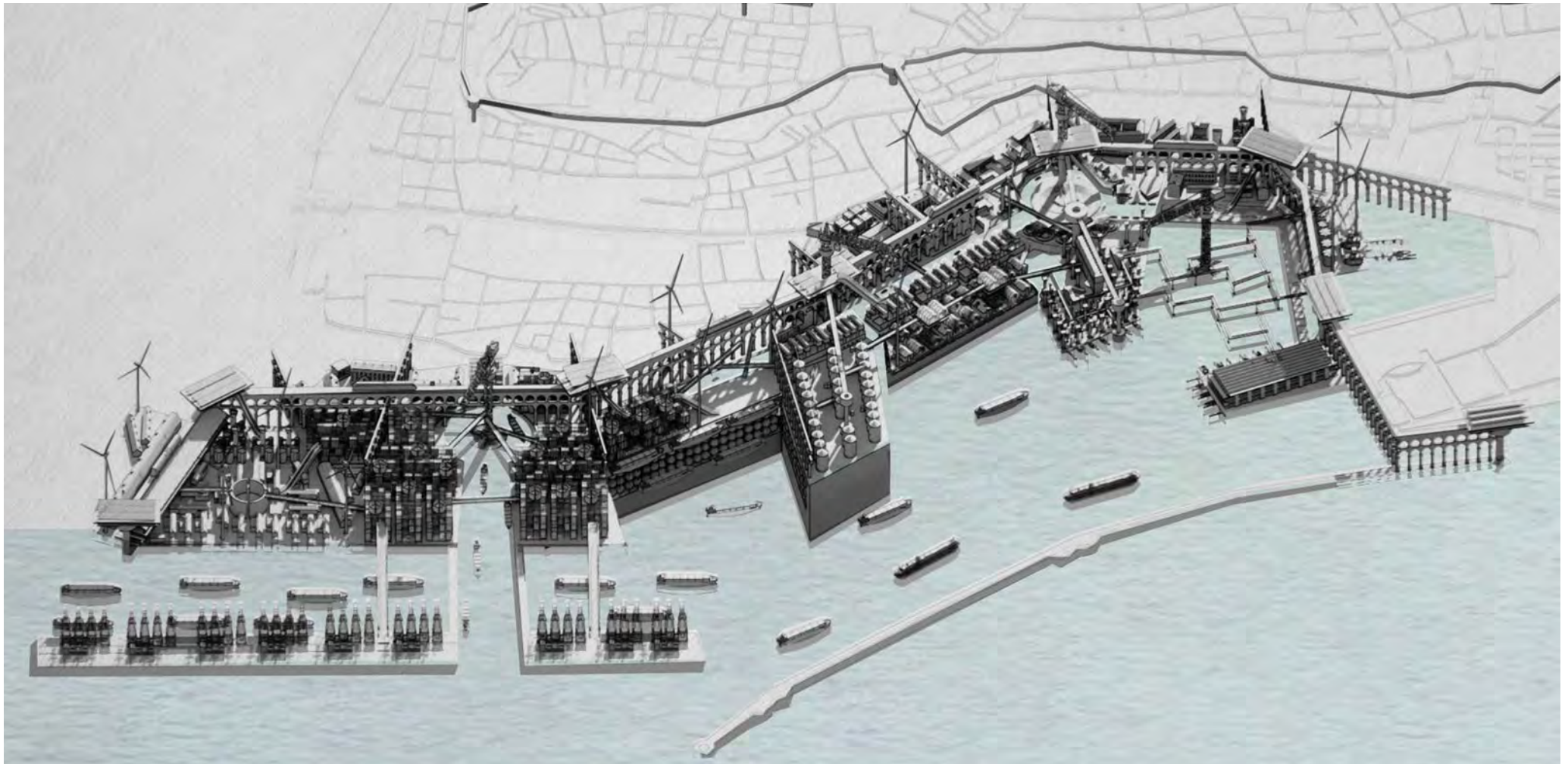


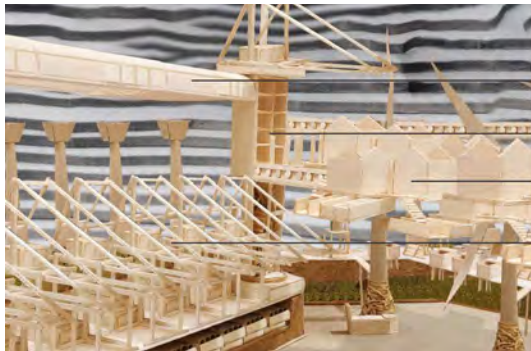
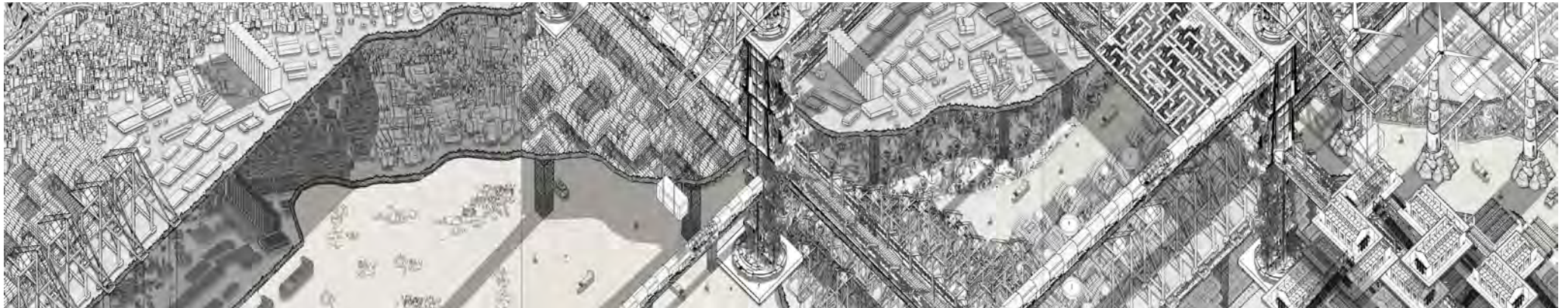
At a glance, the three main concepts are seamlessly and fully integrated, carefully preserving the functionality of the ports while allowing for future interventions.



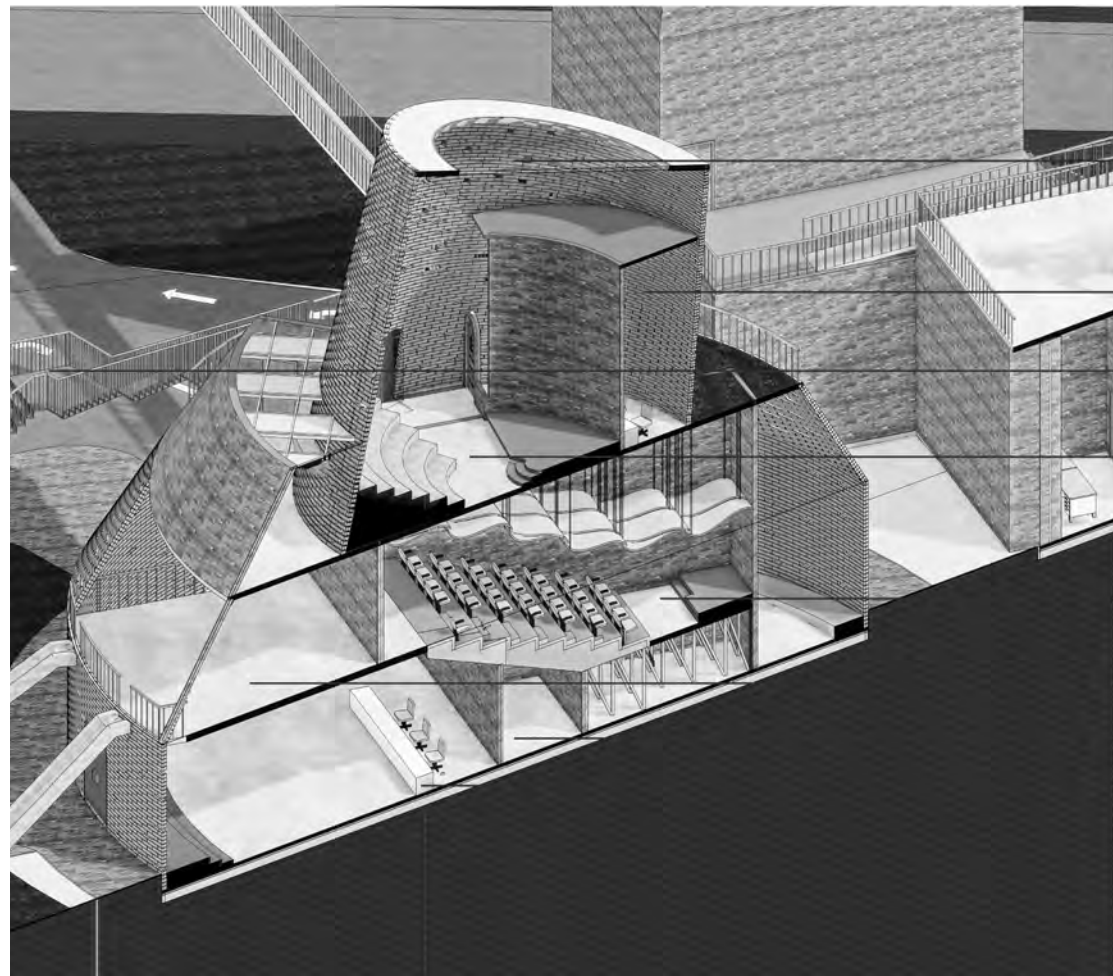
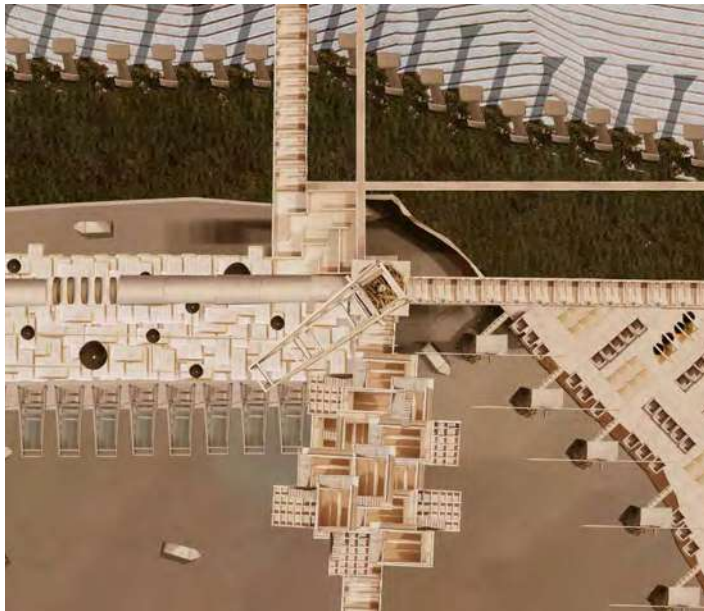
ALMAWSIL - THE CONNECTOR

The main purpose of this project is to forge a synergy between port and tourism activities via redevelopment. The proposed redevelopment plan for Port of Beirut aims to drive innovation, improve economic and social well-being in the city by including an innovation center, grain museum, silos, and floating farm. To create connections around the site by integrating sustainable design throughout the building. Introducing the culture of food production with silos design. Improving local economy by injecting tourism activities

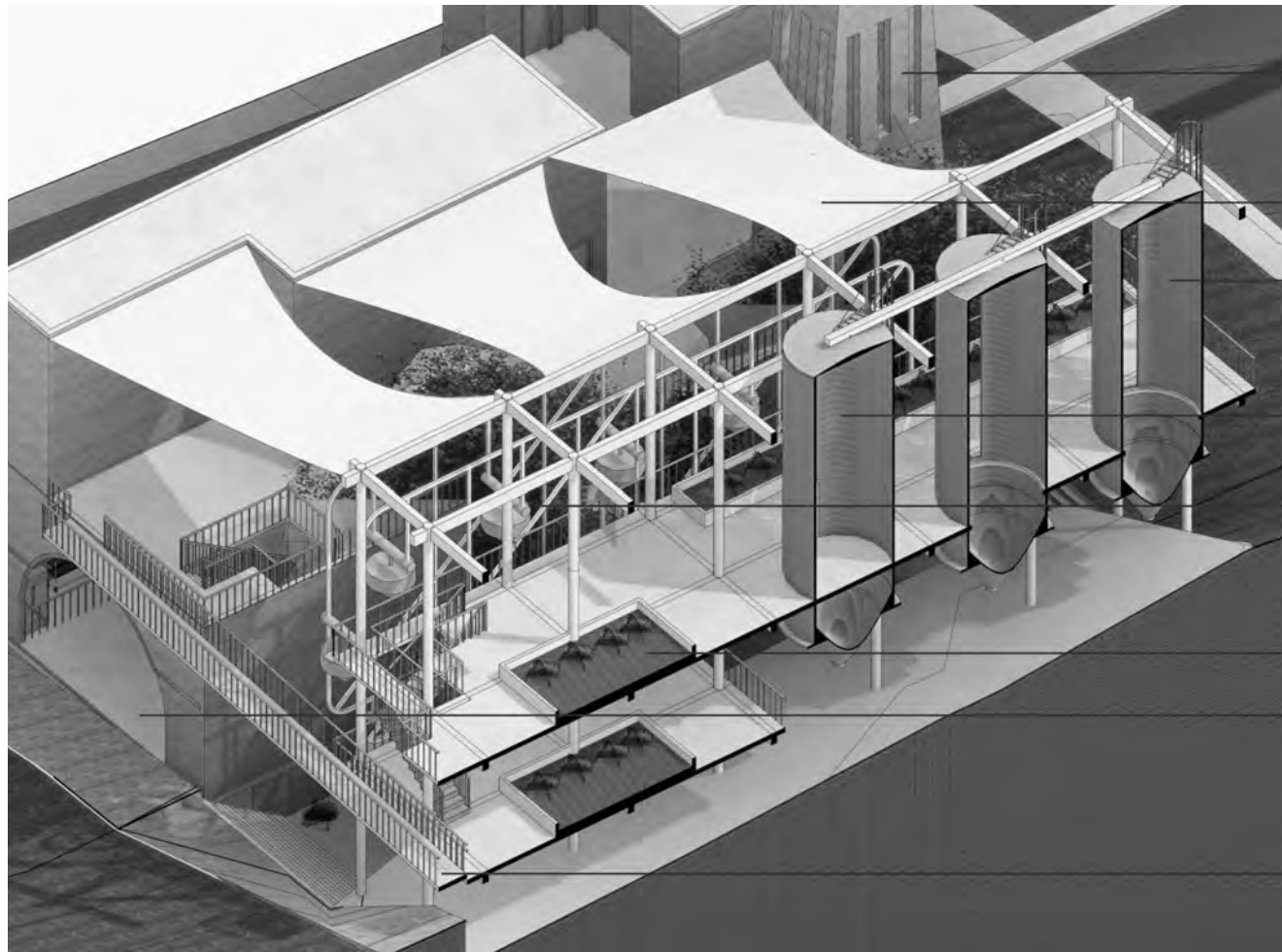
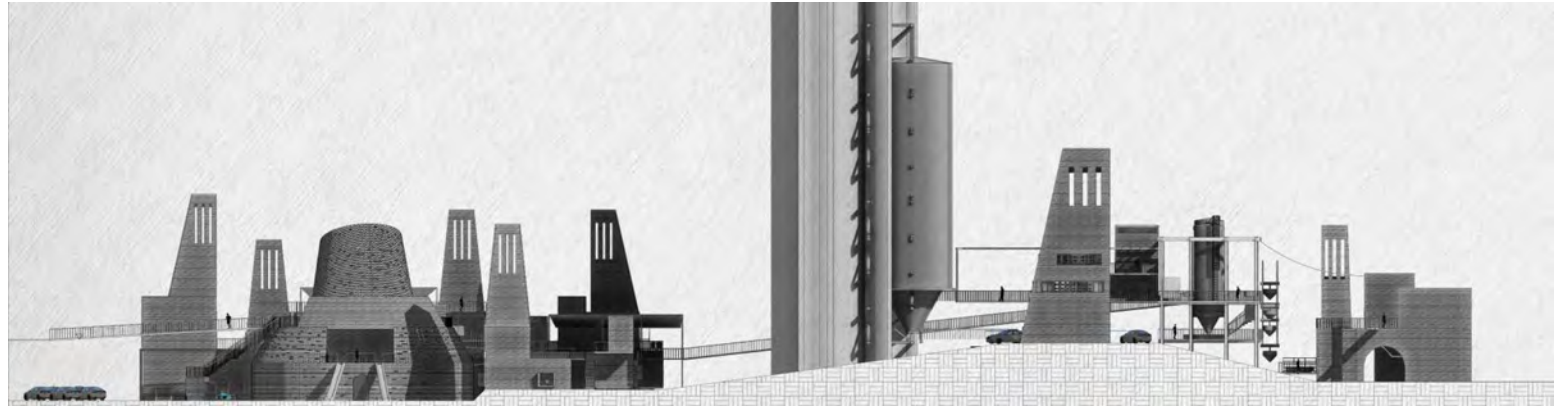




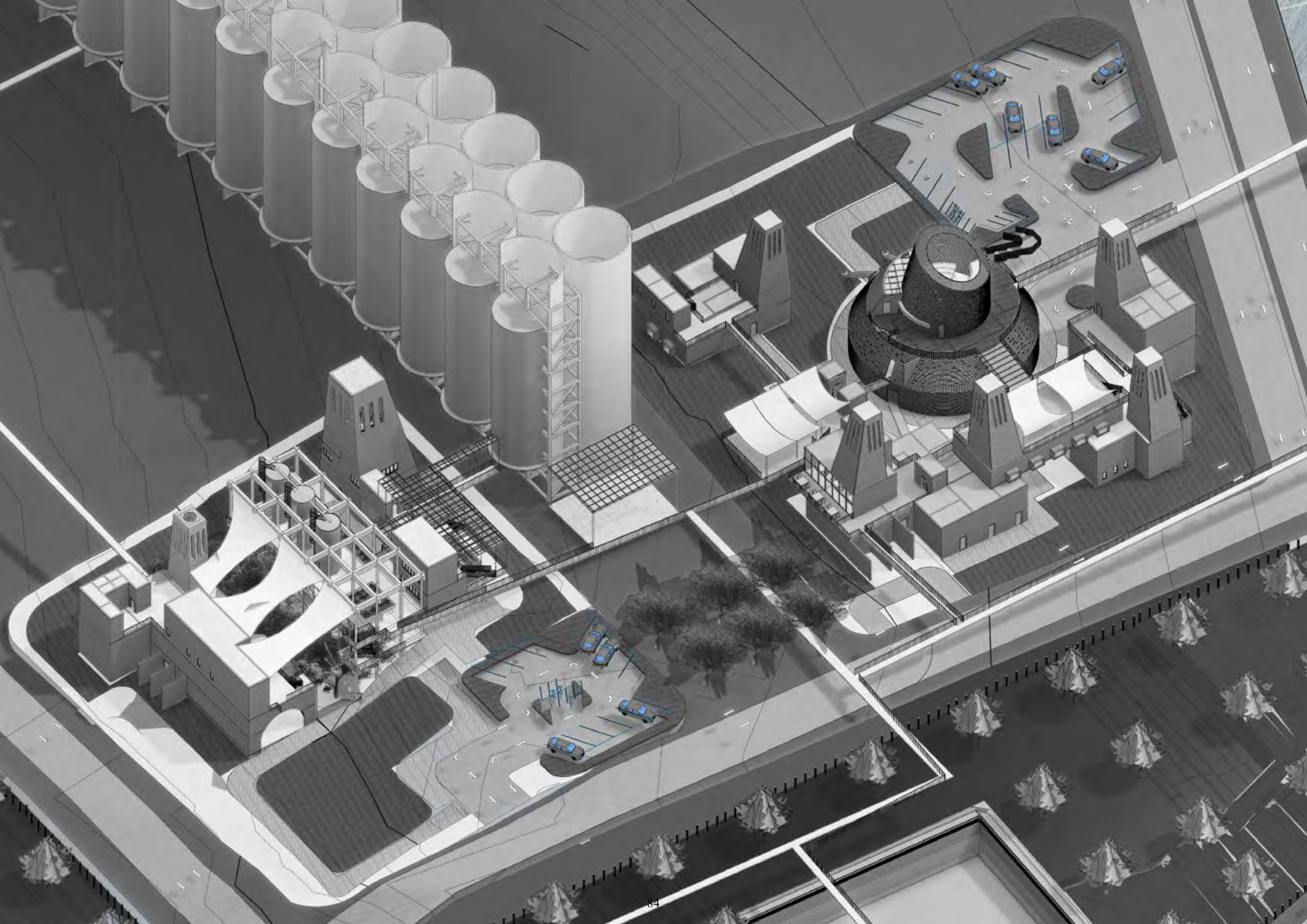
- Public Transport
- Crane System
- Floating Farm
- Port Operation



- Openable glass roof
- Broadcasting studio
- Direct connection to green roof
- Networking space (TedTalks)
- Auditorium (Former launching of business model)
- Terrace view towards silo
- Storage
- Reception



- Fume chamber integrated with wind tower
- Fabric Canopy roof
- Operating silos with visible grain
- Display silo (structure of silo)
- Transportation wheel mechanism to different levels
- Wheat planting
- Tunnel concept of grain museum
- Connection to block A





Kuala Koh

Territorial Pissings

The Last of the Hunters - Gatherers

Bakhtiar, Ar Bobby Low, Yean Tuck Leong, Dr Kody Kato, Shamsul Akmal

Keywords : hunter gatherers | nomad / vagabond | earth emotions | topophilia / biophilia | psychometric | symbiocene forest | anthropogenic | strategic operative mechanisms | social inclusions | permanence vs impermanence

This semester's focus is on a specific site, exploring three main themes for Unit B students: architecture for humanity, ethnographic sustenance + societal inclusion, and Psychoterratic in the Symbiocene. The study centers on the nomadic Kuala Koh forest community of the Bateq Tribe, considered among the oldest inhabitants of the Malaysian Peninsular. Despite their historical significance, the Bateq Tribe is one of the most neglected communities in Malaysia, facing global extinction.

As one of the last known hunter-gatherer communities, the Bateq Tribe currently resides in nomadic encampments in forest reserves of Pahang, Terengganu, and Kelantan, with a population of fewer than 1500. Living in spartan conditions, the community is at the mercy of the Malaysian government, which does not recognize their sovereignty. The unique culture, living conditions, and traditions of this tribe have garnered global attention and concern for the twilight of their existence.

Theme 1 Architecture and the Nomads

"For the nomad, 'home' cannot be understood except in terms of journey, just as space is defined by movement."

The Bateq community are nomadic hunters and gatherers, so the exact location of their settlements changes within the general confines of the area they inhabit. They have no concept of land ownership. Rather, they are just stewards, looking after the land.

They do not imagine the land as a space contained within imaginary lines of authority, but as a landscape of communal memory, shaped by individual encounters with ancient trees, wild beasts, and unique geographical formations. So they have no difficulty in moving every several months to allow the forest to replenish.

All Batek are animists, without organized or codified religious beliefs. Instead, they see the world, especially the river and jungle, as being animated by spirits. It is the respect for the spirits that commands the entire village to move if someone dies. The departed are very important and are considered to act as intermediaries between this world and the next.

This theme will explore the notion of impermanence and aspects of mobility in architecture. How can architecture supplement the natural nomadic life of this community? How can architecture benefit from the indigenous methods and approach to ease?

Theme 2 Ethnographic sustenance & societal inclusion

The Bateq tribe of Kuala Koh are mostly nomadic hunter-gatherers that are dependent on the hunted animals and wild forest plants for their livelihoods.

The Bateq community has been facing constant assimilation pressures by the government for political reasons. Assimilation efforts are implemented through the process of 'development,' intending to encourage the community to settle in permanent villages, moving them away from subsistence economies into cash cropping and wage labor, and encouraging them to adopt the language and customs.

Some groups have succumbed to these government pressures, partly because they have been accompanied by the disruption of their old ways of life. The displaced people were moved into 'regroupment schemes,' where families were conditionally allocated small plots of land and expected to make their living by growing cash crops, such as rubber. The result is that a large portion of the targeted population now live in rural slums and are officially classified as the 'poorest of the poor.'

This theme will explore and acknowledge the ethnographic aspects of the Bateq community, formulating potential programs and typological studies advocating for the preservation, sustenance, and societal inclusion (acceptance) of the cultural heritage.

Theme 3 Psychoterratic in the Symbiocene

"Capitalist economic encroachments on the habitation areas of the Bateq tribe have posed a threat to the community's livelihood, both physically and emotionally."

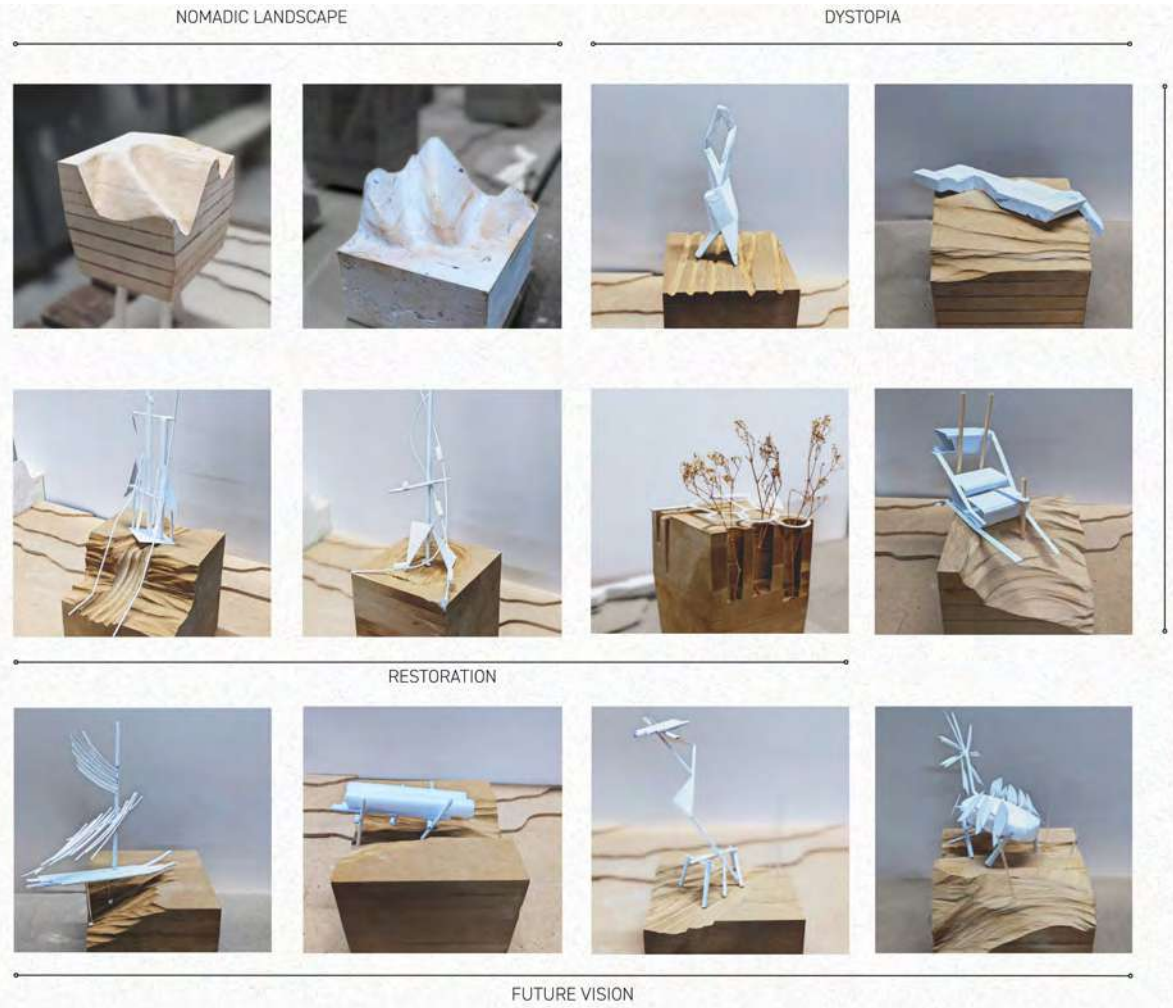
Over a decade ago, the Bateq community's jungle home was demolished for palm oil plantations, and recent activities, including manganese mines and deforestation, threaten their way of life. Environmental catastrophes, such as flooding amplified by logging, underscore the urgency of addressing anthropogenic activities.

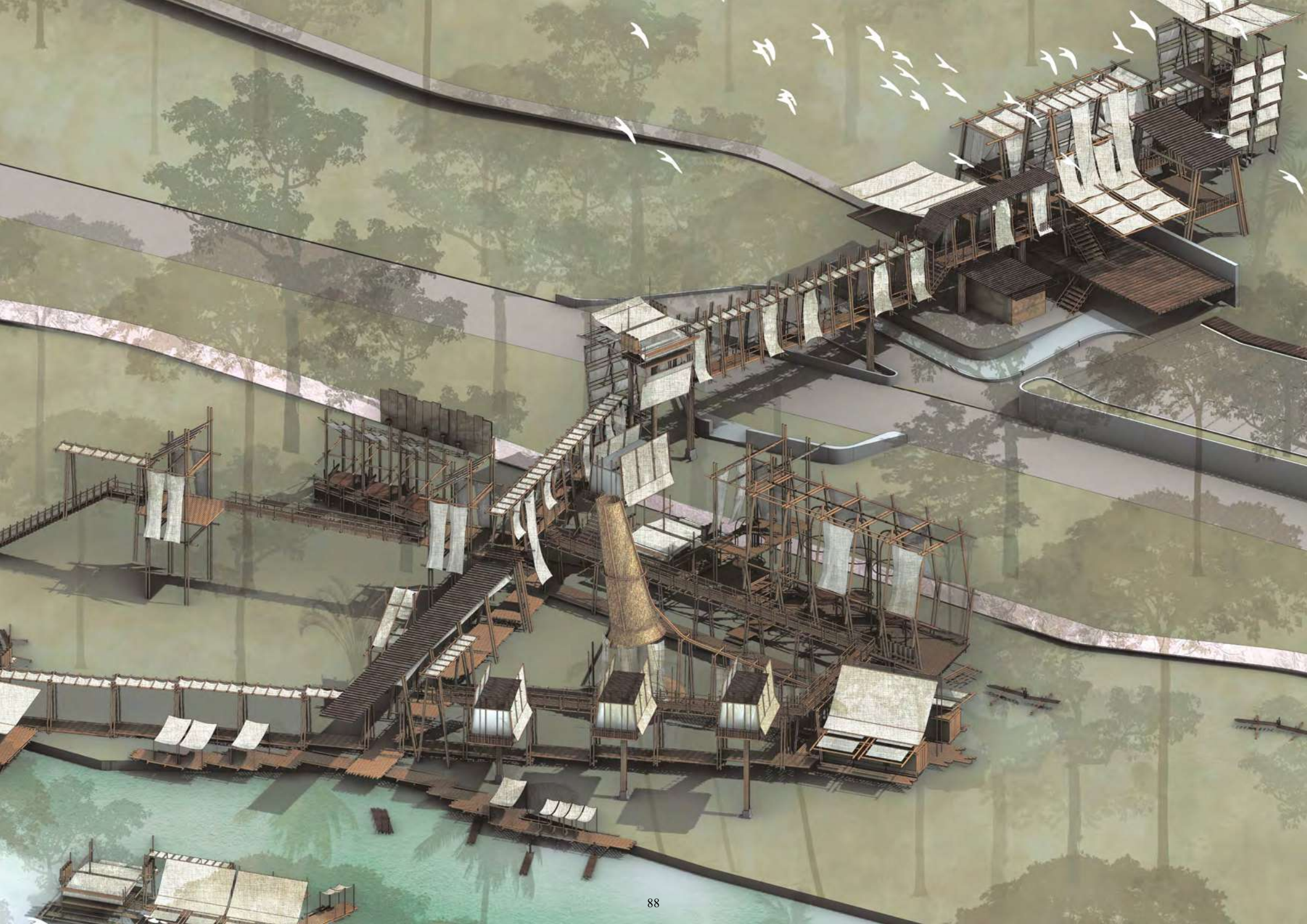
In this era of heightened environmental awareness, individuals bear a responsibility to effect change and protect ecosystems. The concept of symbiosis emphasizes the interconnectedness of life, presenting a moral obligation to mitigate the impact of the Symbiocene era.

As architects, the focus is on roles and design considerations to counter the environmental challenges. This theme applies positive psychoterratic states like topophilia and biophilia to promote a harmonious re-integration between humans and nature, as outlined in "Earth Emotions: New Words for a New World."

THE COSMIC MEMORIES

An imaginative masterplan is conceived with a focus on nomadism and resilience, challenging prevailing approaches to address longstanding issues within the Batek community and the interaction between the Batek and the public landscape. The goal is to create a model for the Orang Asli community in the broader Taman Negara, showcasing innovative solutions and promoting resilience in the face of challenges.



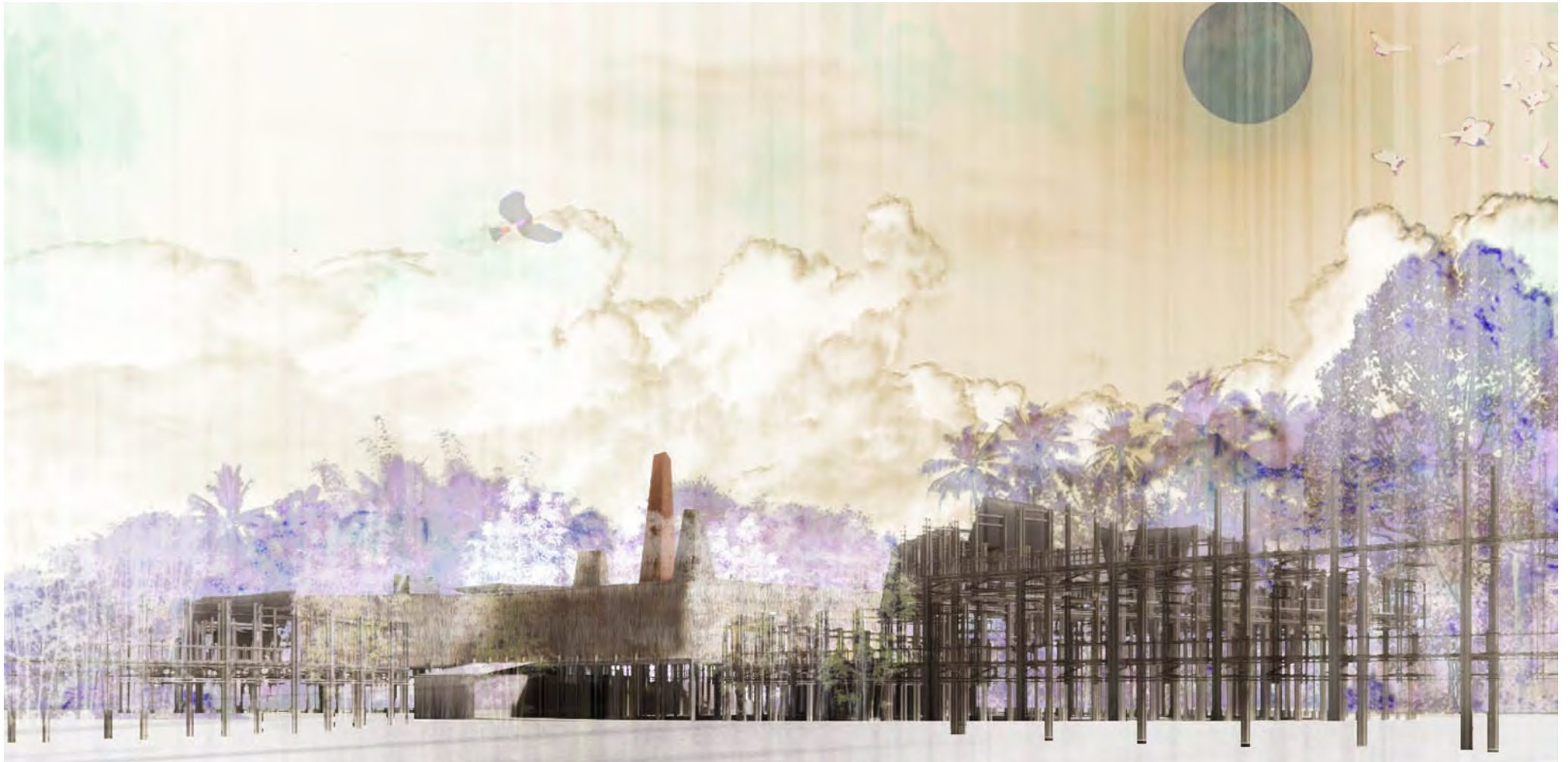




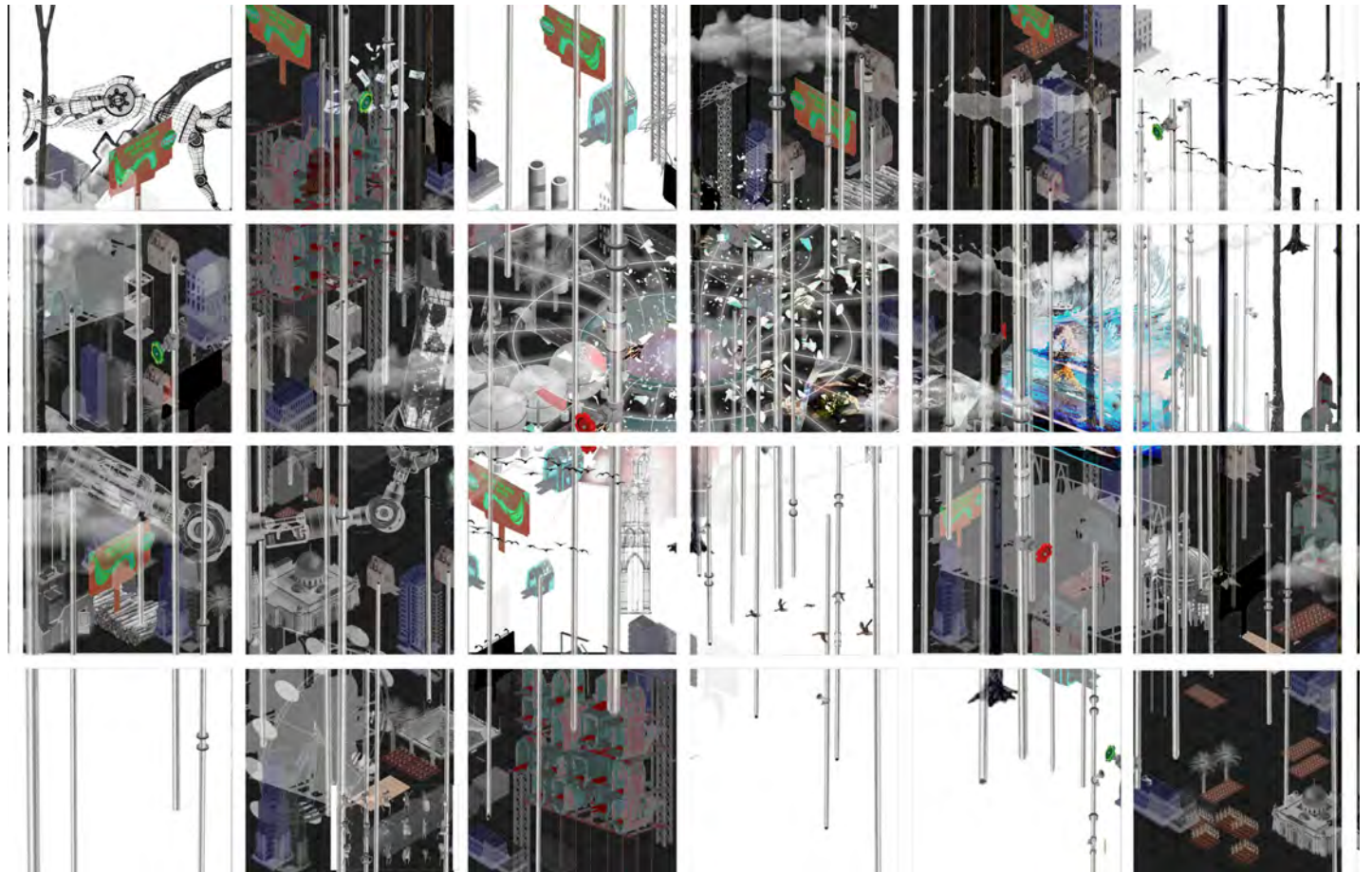
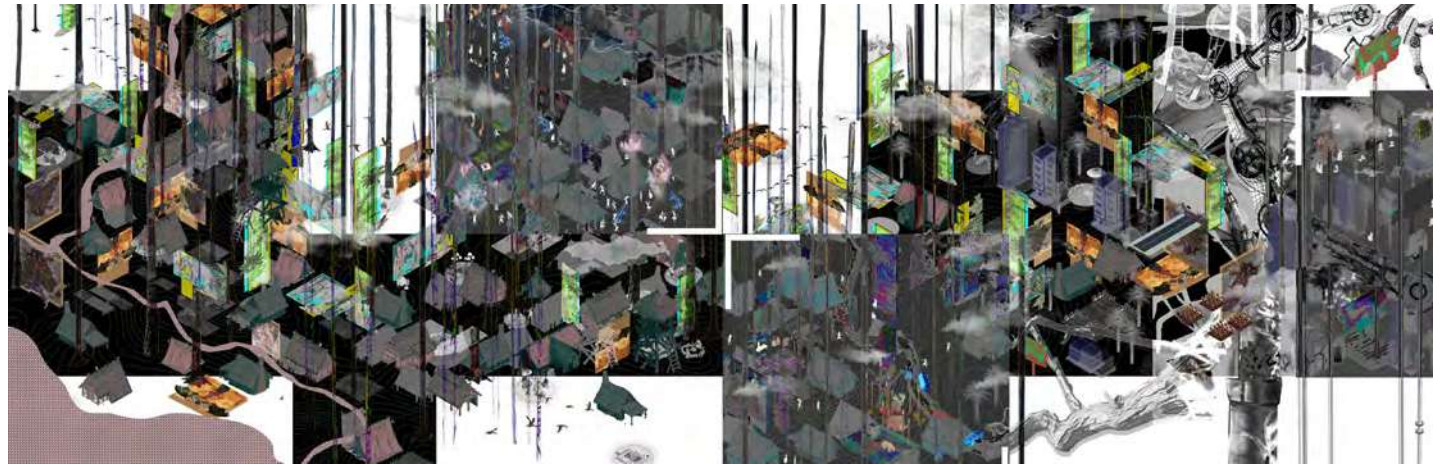


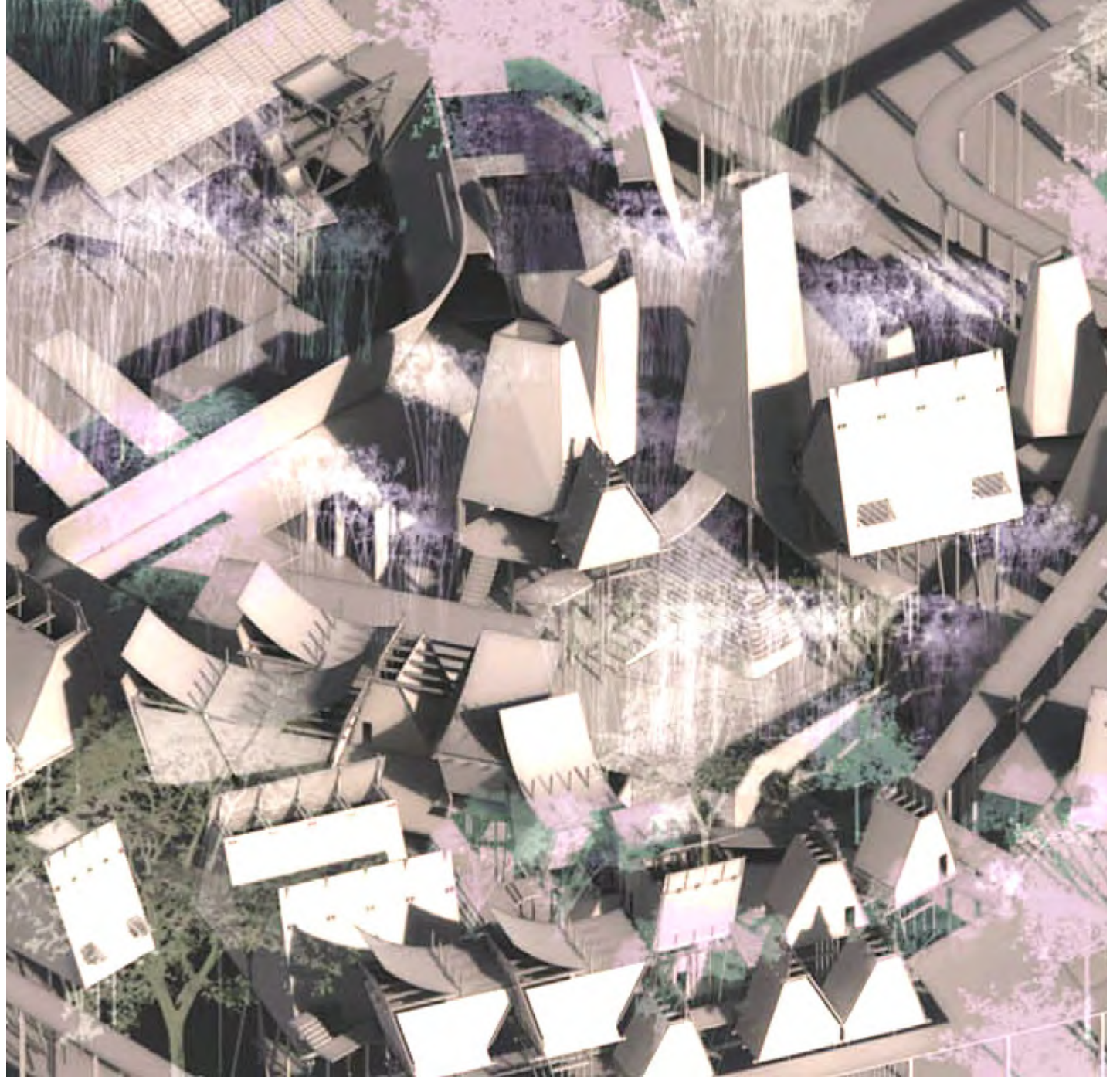
THE TWILIGHT OF HUNTER GATHERERS

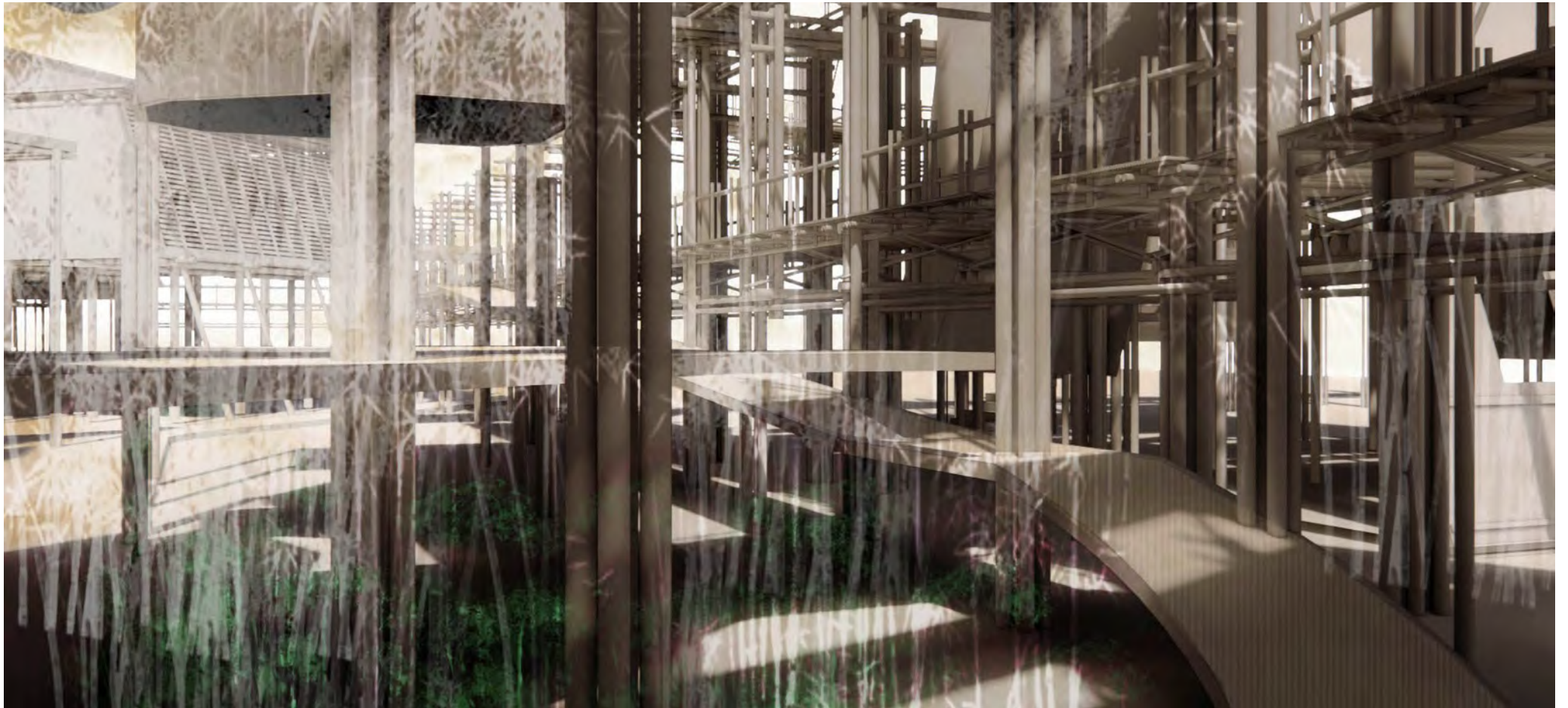
The primary focus of this project is to elevate the awareness, giving recognition to the community that is at the brink of extinction. Response towards primary research done, and intent are crucial towards creating a relationship between information at inter-relatable scales. The construction material used in this project is mainly bamboo as the primary structure, and the roof material is highlighted using thatch roof to emphasize the natural materiality inspired from Batek's huts. Most of the components are constructed on stilts, which expresses the perspective of the Batek spiritually closer to the Heaven, meanwhile, this strategy ensures the privacy of the space



The replacement of each tile in Batek's scene may exert pressure on the community, potentially challenging the assimilation of modernism, which conflicts with their identities. Globalization has introduced new objects, technologies, and images into the Batek's world, including portrayals of a highly violent, dangerous, and unstable global environment. This influx of external influences raises concerns about how it might impact the traditional values and worldview of the Batek people.





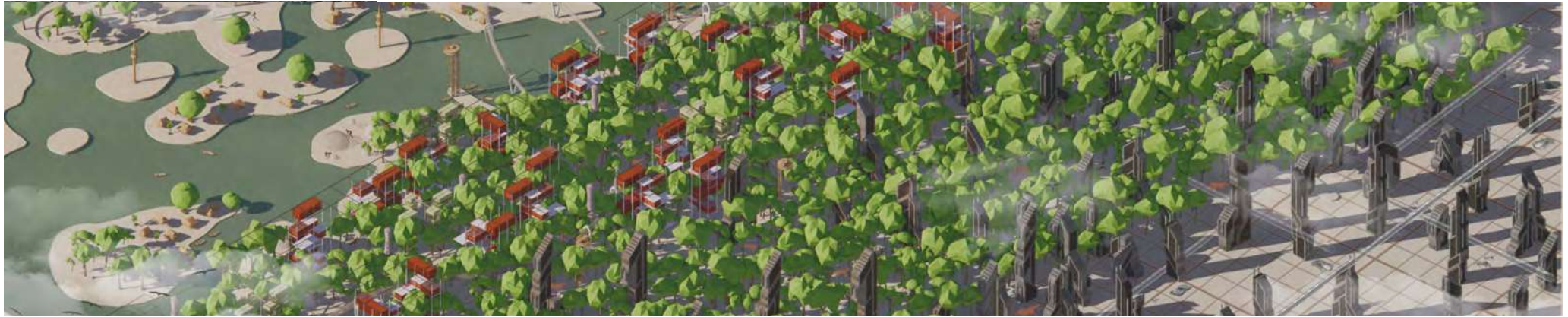


THE COSMIC MEMORIES

The focus of the project is to provide a communal platform/space that promotes external networking, social engagement, cultural and customs sharing, methods which foster and celebrate the way of living of the Batek tribe. With a clear focus on the injected programs mainly about education, communal, and cultural, a series of these programs intertwined and linked to one another, providing the Batek community and locals a resilient and environmentally immersed way of life

The proposed programs mainly target to promote interaction between the Bateq tribe and the external community, as well as to establish a series of programs that may benefit the lifestyle and welfare of the Bateq, be it socially, economically, culturally, or health-related. The programs generally revolve around the three themes: communal, education, and cultural.

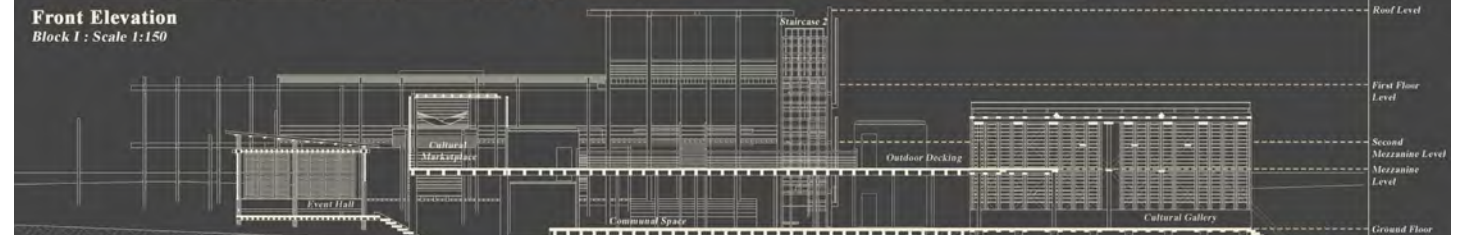




Front Elevation
Block II : Scale 1:150

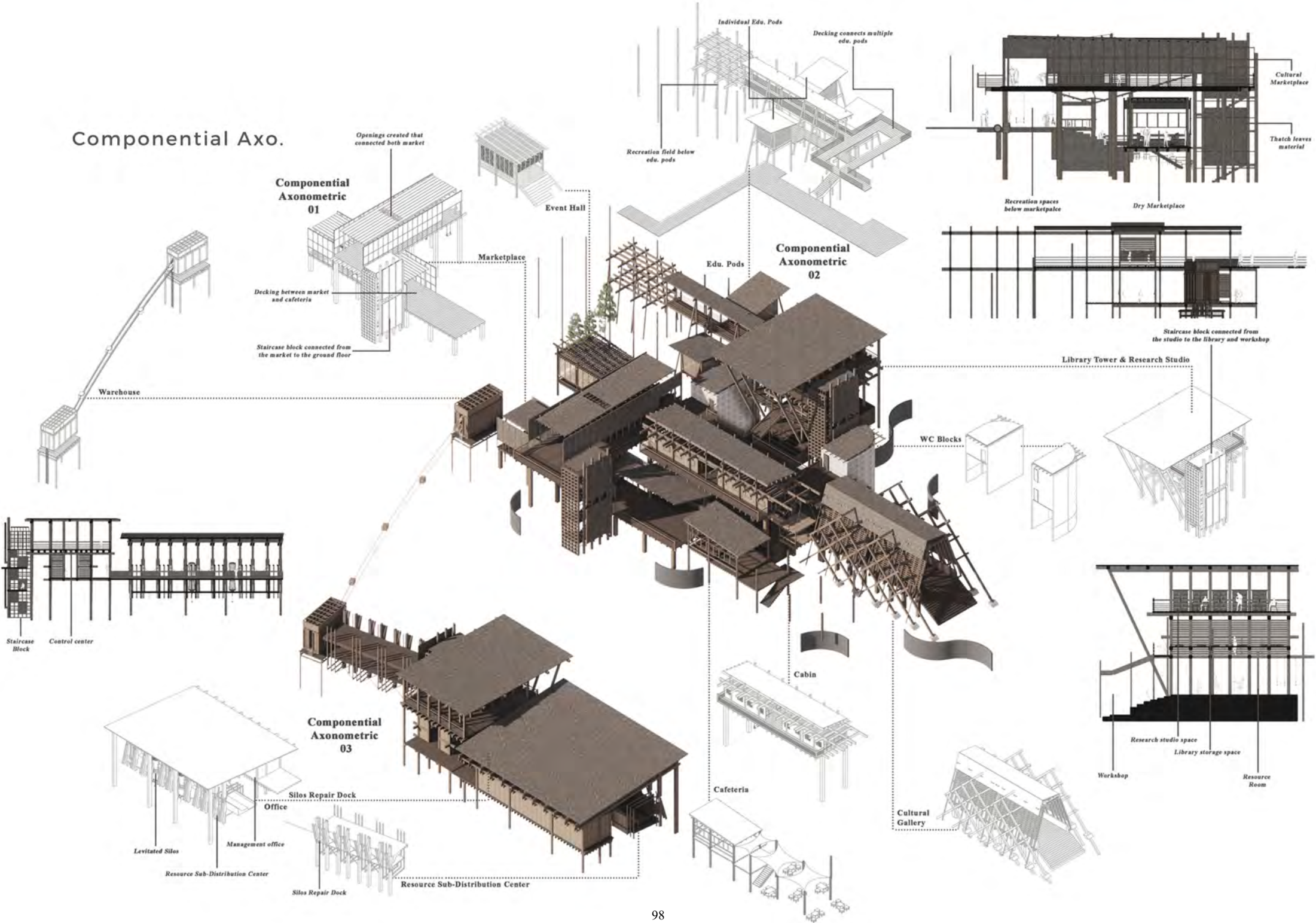


Front Elevation
Block I : Scale 1:150





Componential Axo.





HEP HALA - AN EXPERIENTIAL CENTRE

The approach to the site mainly focuses on the benefits of both parties, the Bateqs as well as the common people. In order to appeal to both sides, the need for understanding each party is required, where we, the common people, have advanced in a way where we have strayed so far from what we were meant to live in. This approach is to find a middle ground for these two extreme ends. The planning of the site is to connect the two worlds through embodied sensemaking strategies implemented in the programs selected, which are research and conservation spaces, education spaces, agriculture, residential, and communal spaces

THE JOURNEY

OF THE EMBODIED ENVIRONMENT

1 INTERGRATION & CONTACT

As a way of navigation and infrastructure, the Bateks do not rely on vehicular roads but mainly on landmarks and the River, having them to walk on feet.



RAMMED EARTH BAMBOO STEEL FABRIC

With the issue of neglect and ignorance of the government parties, privain this chosen site, it is located in between the public and private zones, therefore it acts as a transition space between the Common people, and the Bateks themselves. The site is split into two zones and each due to the variety of conditions that was available. With this, the programs on the site mainly serve as an experiential site for the common people to develop a better understanding of the Batek tribe through their culture, way of life and religion.



2 COMMUNIAL & CULTURAL

This would be the main gathering space for visitor experiences. Space created by only rooves, creates a sense of hiding under and being converged together to mingle around with one another.

3 SETTLEMENTS

With the issue of neglect and ignorance of the government parties, privain this chosen site, it is located in between the public and private zones, therefore it acts as a transition s

4

PSYCHEDELIC & STIMULATIVE

Manmade and natural textures and materials, located in the mid-section of the forest layer, where Bateks believe to be the provident zone of animals and humans.

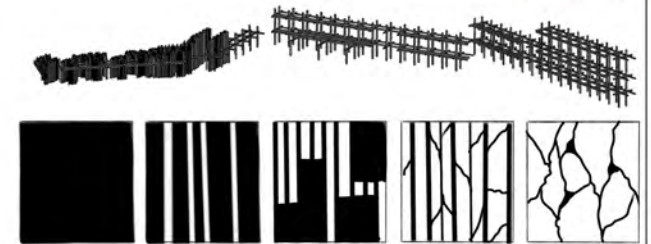
HEALING & REMEMBRANCE

5

This structures is located at the highest peak which is also the end of the journey acts as a place to remember the lost ones of the tribe.

FROM THE HEAD TO THE HEART

As the journey begins, the entrance of the site is dark, dense, solid and suspicious. It provokes the sense of exploration, and curiosity.



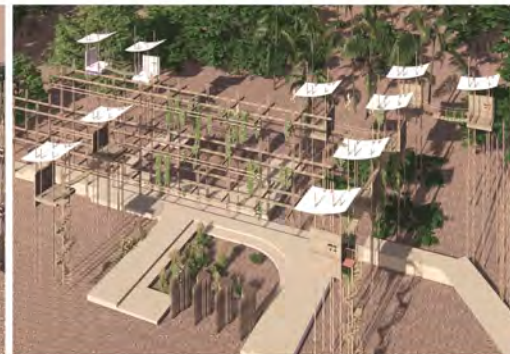
INTERGRATION & CONTACT

As a way of navigation and infrastructure, the Bateks do not rely on vehicular roads but mainly on landmarks and the River. Therefore, to create a prominent space where trade could be received from the outside world and to represent entrances to paths and connections.



COMMUNIAL & CULTURAL

A calming, inviting open space. A space for movement Rituals, weaving, craftsmen, materials, gossip, laughter, gathers. This would be the main gathering space for visitor experiences. Space created by only rooves, creates a sense of hiding under.



PSYCHEDELIC & STIMULATIVE

A very fast, stimulating environment, with manmade and natural textures and materials, located in the mid-section of the forest layer, where Bateks believe to be the provident zone. Provisions of animals and humans. Encourages high energy.



HEALING & REMEMBRANCE

Located at the highest peaks of the site, the most sacred and healing site. Structures are made for Bateq burial ceremonies and remembrance of ancestors and Gobar and Dranuk. To remember lost ones of the tribe.

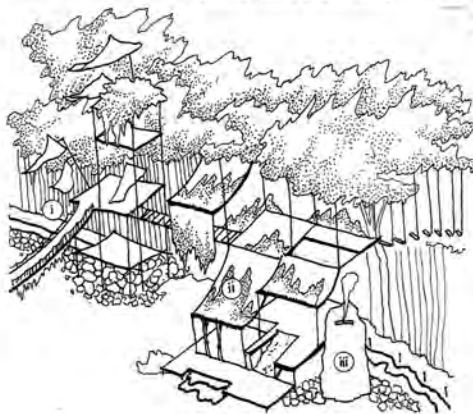
PROGRAMS

Creating a better world.

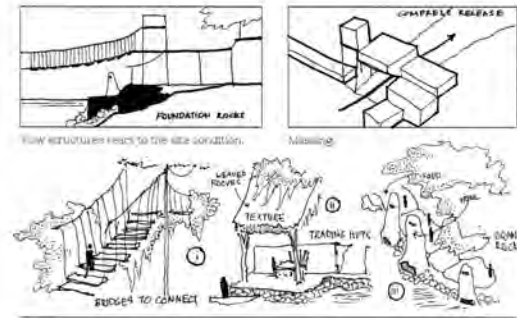


In this chosen site, it is located in between the public and private zones, therefore it acts as a transition space between the Common people and the Bateks themselves. The site is split into two zones and each due to the variety of conditions that was available. With this, the programs on the site mainly serves as an experiential site for the common people to develop a better understanding of the Batek tribe through their culture, way of life and religion.

NAVIGATION & CONTACT

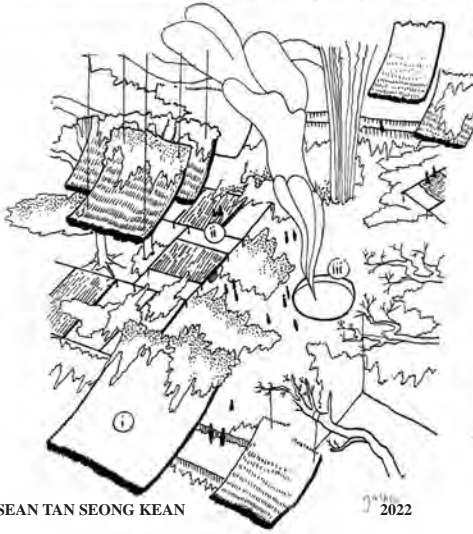


As a way of navigation and introductory, the Bateks rely on vertical posts that mainly on horizontal over the River. Therefore, to create a prominent space where traditional be received from the outside world and to represent entrance to paths and connections.

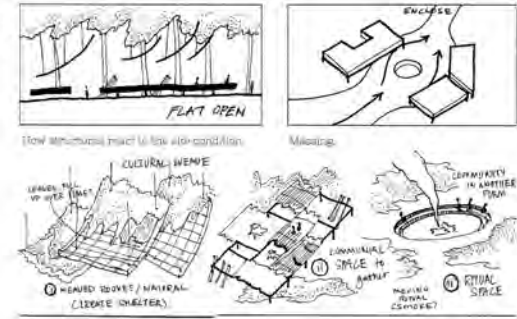


Elements present in the Composition.

CULTURAL & COMMUNIAL

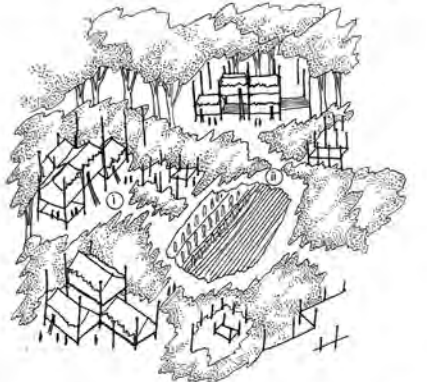


A calm, flowing open space. A space for movement (bataks, weaving, craftsperson, materials, gossip, laughter, games). This would be the main gathering space for visitor experiences. Space created by very strong structure a space of hiding under.

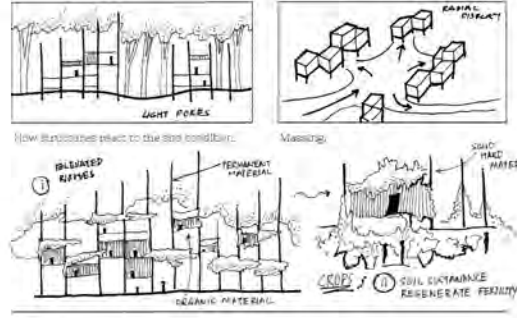


Elements present in the Composition.

SUSTAINANCE & SETTLEMENTS

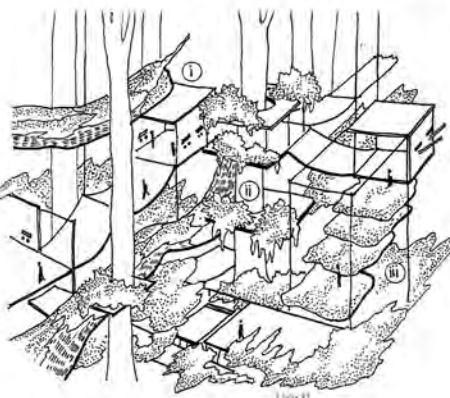


The atmosphere and represent how sustainable Batek tribes are, provisions of traditional to encourage participants of users to build something temporal, creating low and naturally sitting structures to search the ground, creating a space of provision, shelter and freedom.

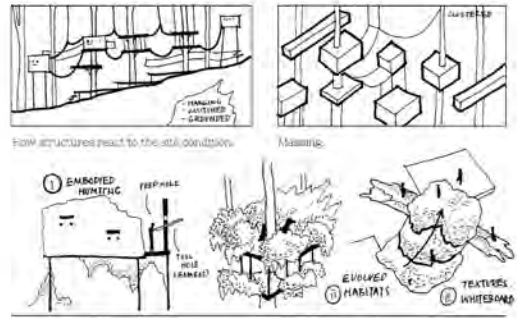


Elements present in the Composition.

EXPERIENTIAL & STIMULATIVE

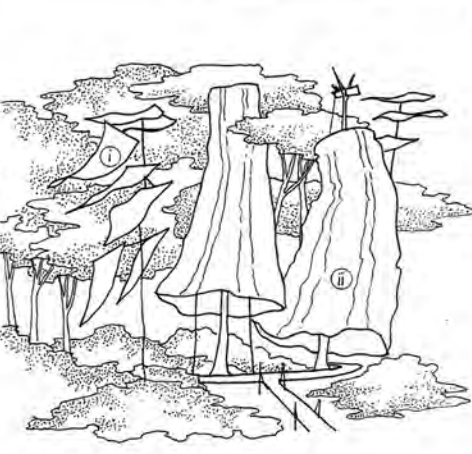


A very fun, stimulates environment with manmade and natural textures and materials, located in the mid-section of the forest layer. Where Bateks believe to be the provient zone, provient of animals and humans. Encourages high energy.

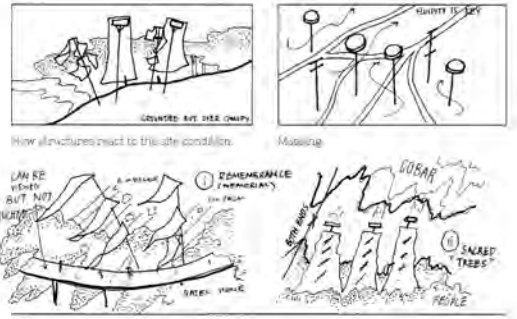


Elements present in the Composition.

HEALING & REMEMBRANCE



located at the highest peaks of the site, the most sacred and healing site. Structures are model for ancestral ceremonies and remembrance of Ancestry of Gosa and Dribak.



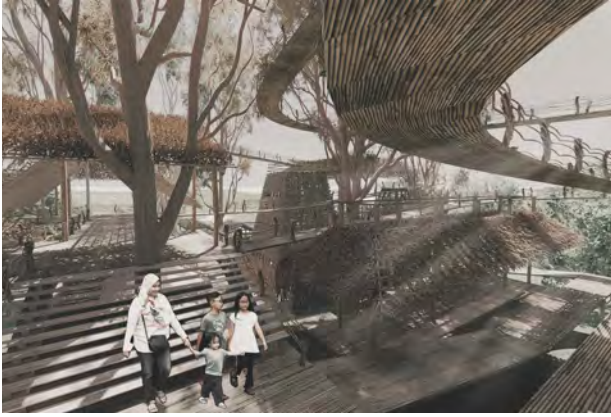
Elements present in the Composition.

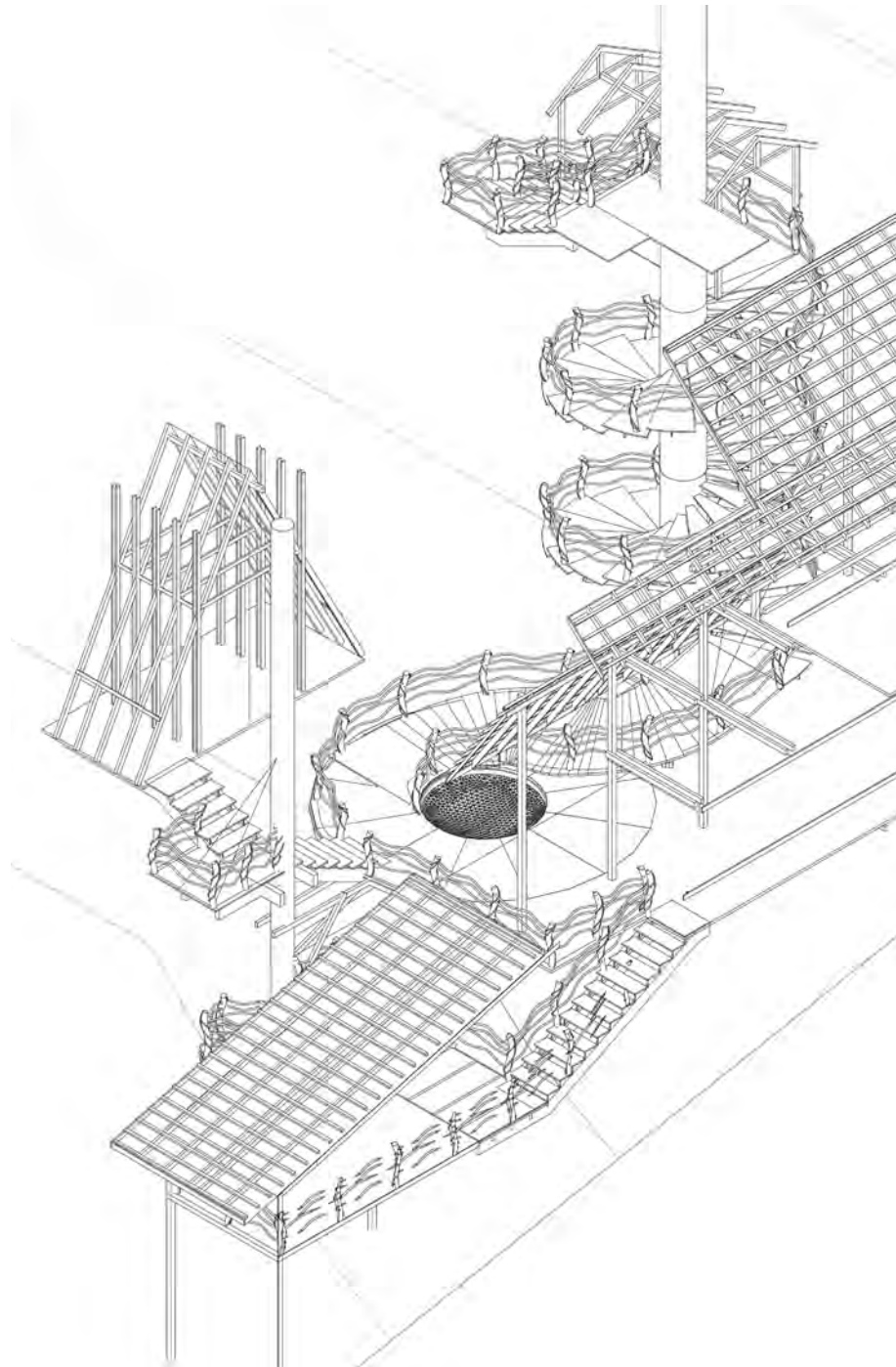


THE EARTH EMOTIONAL JOURNEY

Beyond external engagement, nature occasionally extends its reach directly into the structures. A tiny sapling has the potential to evolve into a majestic tree, while ferns gracefully traverse walls, contributing beautiful elements to the overall scene. Nature's growth is unrestrained, patiently anticipating opportunities to seamlessly integrate with other natural components, thereby establishing the groundwork for its resurgence.









TERSEMBUNYI - TWILIGHT OF HUNTER GATHERERS

Looking ahead, the model has presented potential programs to address various issues within the tribe. Key concerns such as customary land, education, and socio-economic opportunities need thoughtful attention. Embracing the principle of “teaching them to fish rather than giving them fish,” the vision for the future aims to empower the tribe to sustain themselves within their settlement. This involves the introduction of three distinct building programs for residential purposes, designed to complement one another and preserve their culture while ensuring the tribe’s self-sufficiency.

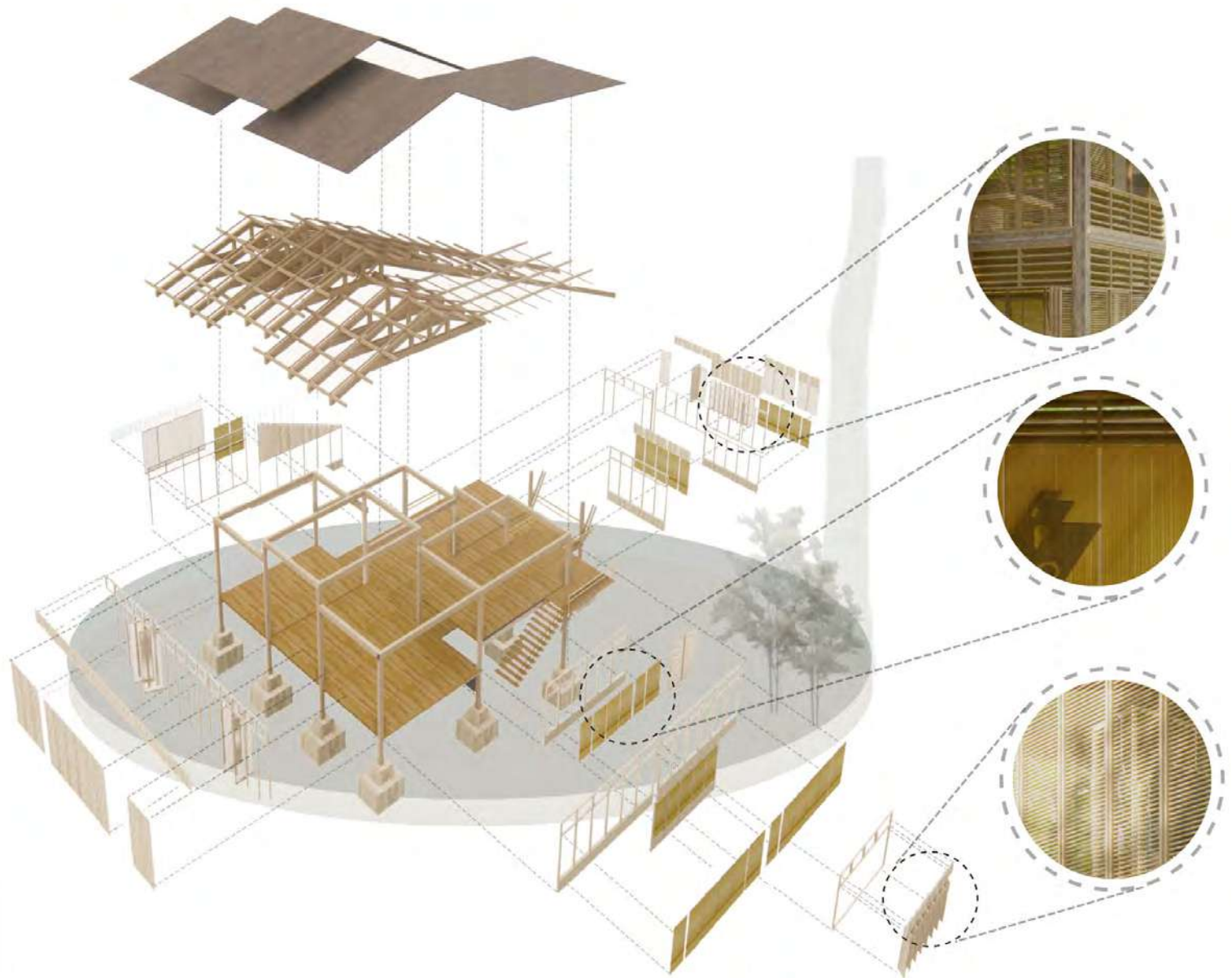
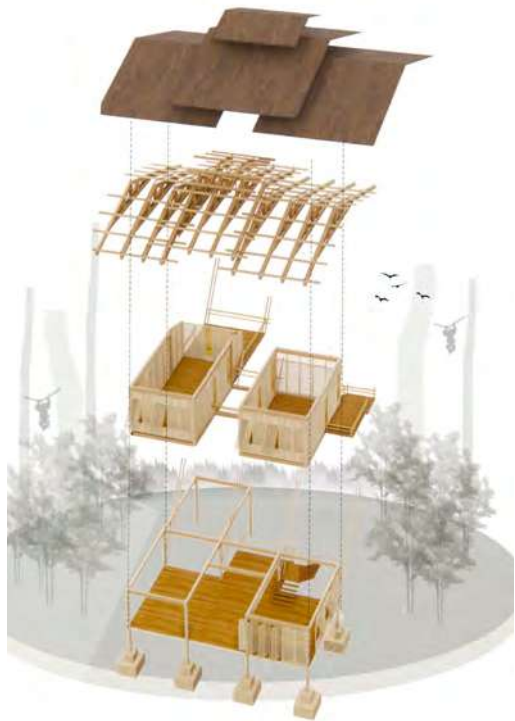




- Legend
- 1. Crap Hill
 - 2. Bike Rack
 - 3. Motorcycle Parking
 - 4. DKU Car Parking
 - 5. Car Parking
 - 6. Bus Parking
 - 7. Walkway
 - 8. Loading Bay
 - 9. Inb Substation
 - 10. Camping Site
 - 11. Meditation Zone
 - 12. Lebir River
 - 13. Educational Trail
 - 14. The Bites Observation Deck
 - 15. Canopy Trail
 - 16. Jetty
 - 17. Proposed Linkage To Taman Negara
 - 18. Bicycle Lane / Walkway

Site Plan
NTS

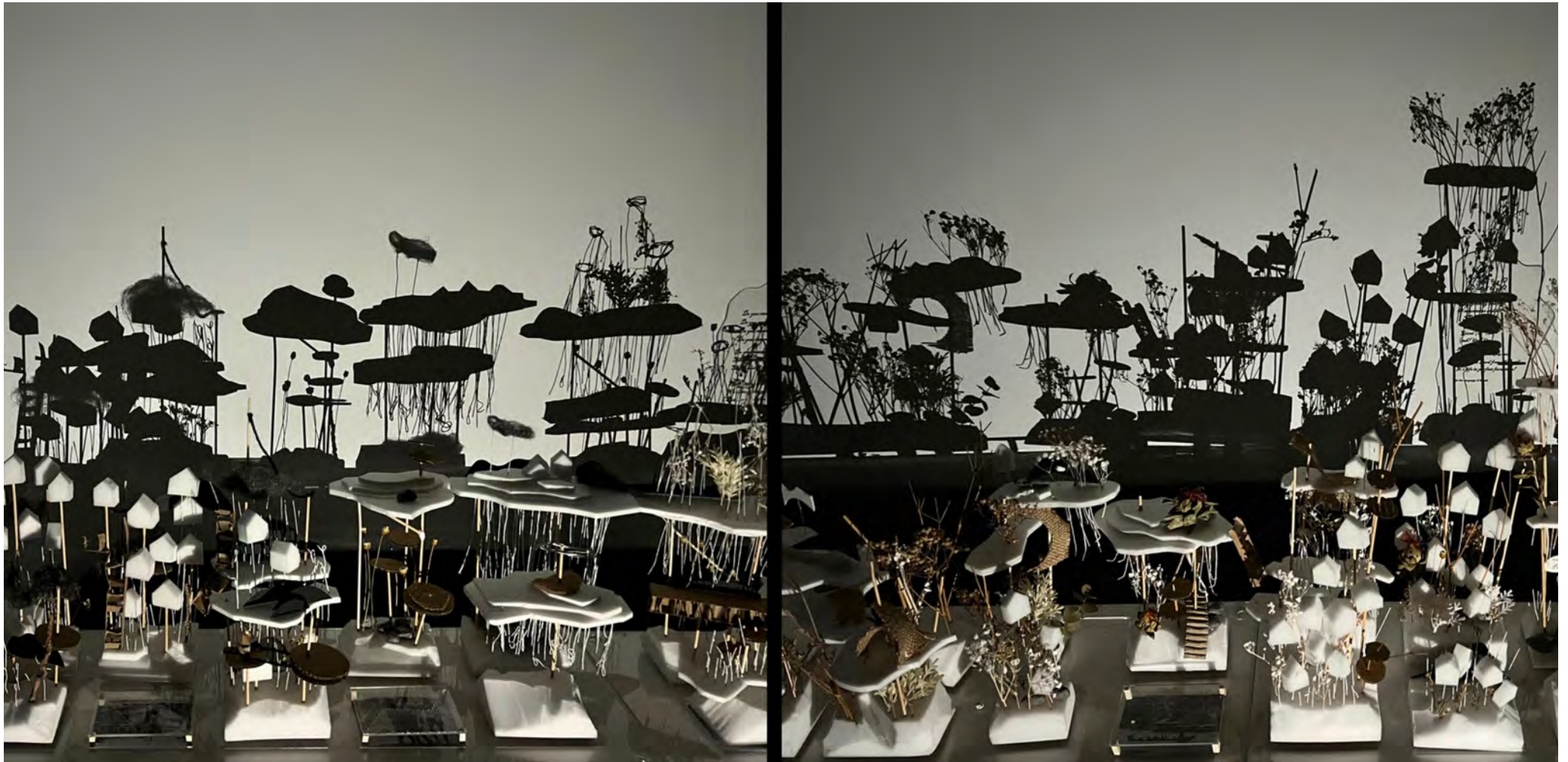


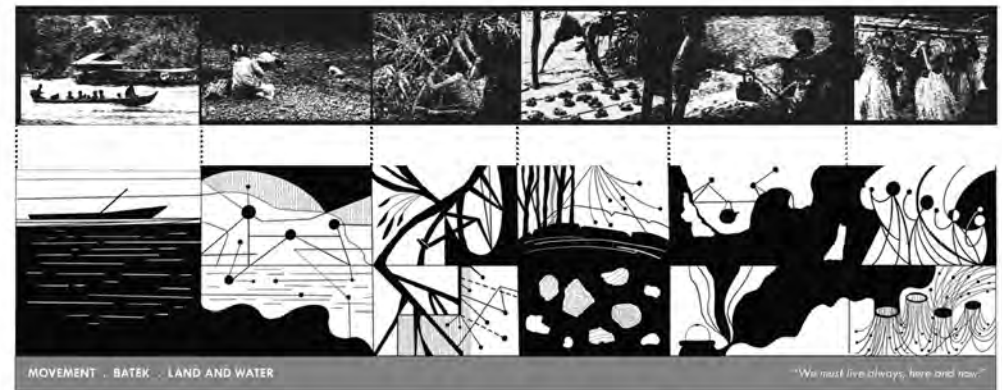
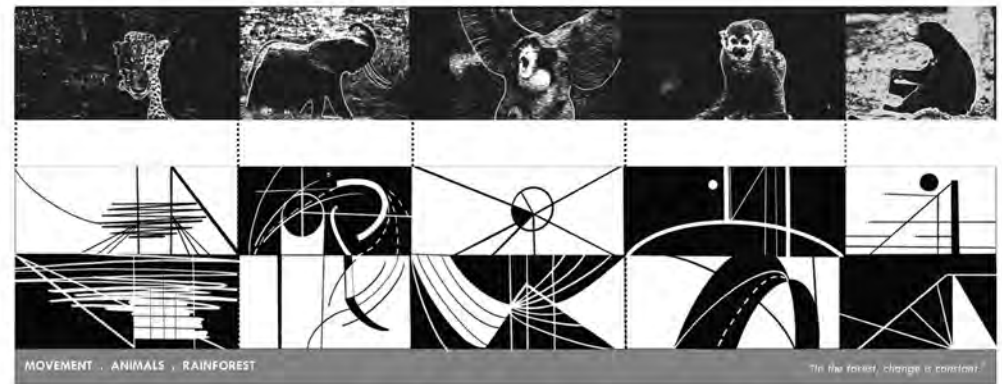
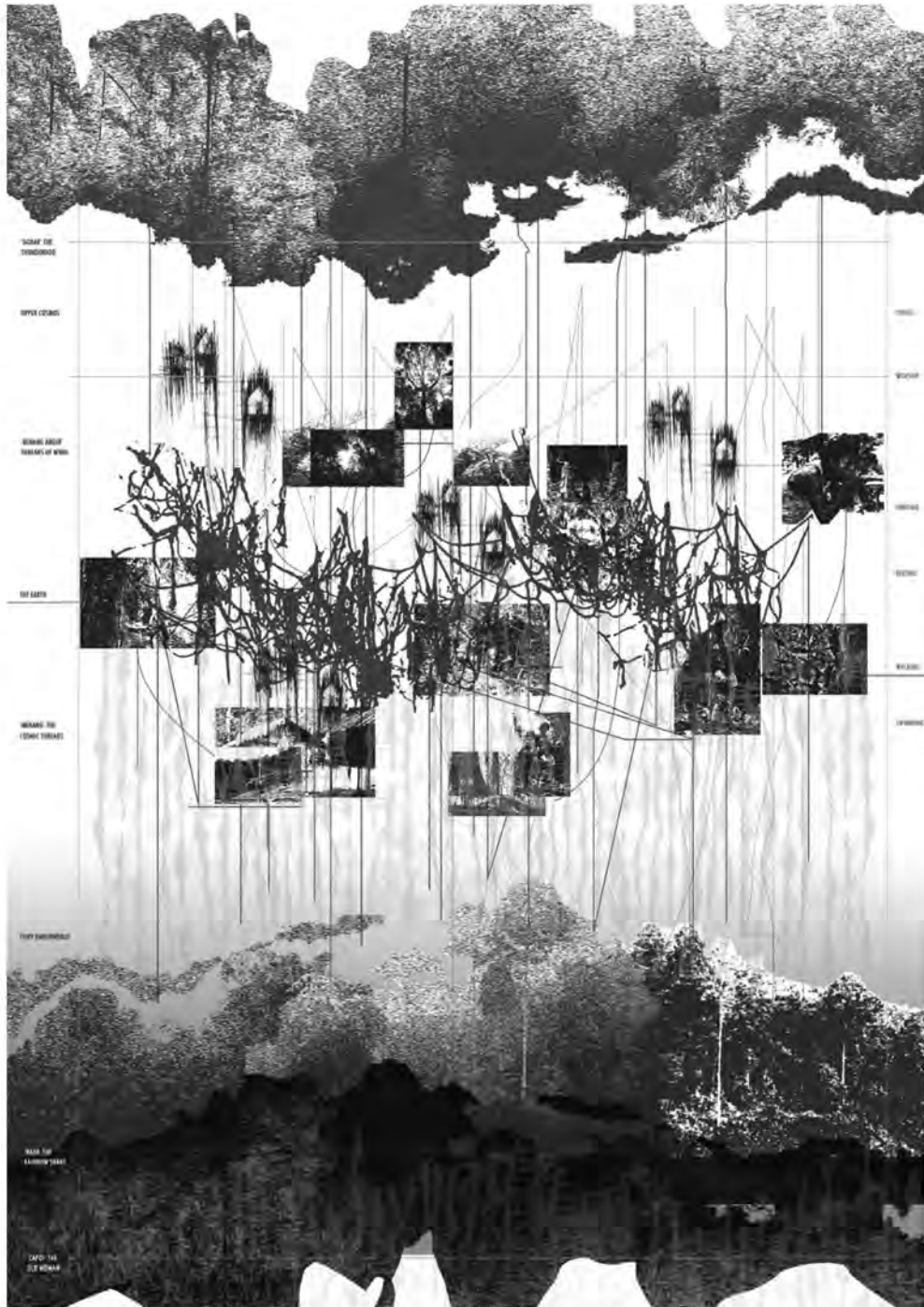


THE COSMIC MEMORIES

The concept of “architecture of empowerment” involves designing and implementing systems and structures that empower individuals or communities to take control of their lives and make decisions. In the context of the project, the primary focus is on Community Empowerment, which can take various forms such as education, skills development, psychological support, economic opportunities, and more. Papan Village, despite facing challenges, still has a senior citizen community. The project aims to revive the township by fostering a sense of community, restoring pride, and offering economic and social growth opportunities. This involves empowering local residents through community programs, supporting local businesses, and encouraging civic engagement.

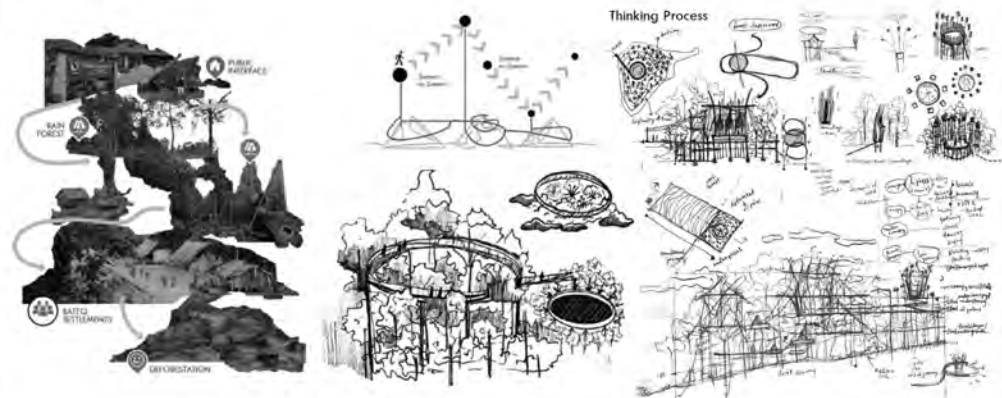
Preserving and promoting local culture and heritage is also crucial. This includes preserving traditions, promoting local arts and crafts, and celebrating the unique stories that define Papan. By doing so, the project aims to create a stronger sense of identity, attract tourism and investment, and transform Papan into a vibrant, self-sustaining community for all its residents





Motions in Translation . Movements in the Forest

Movements within the forest- animals hunted by the Batek, spirit animals, Batek activities, dance movements were observed and distilled into points, lines and planes that in turns inspire the form and space of the design proposal.





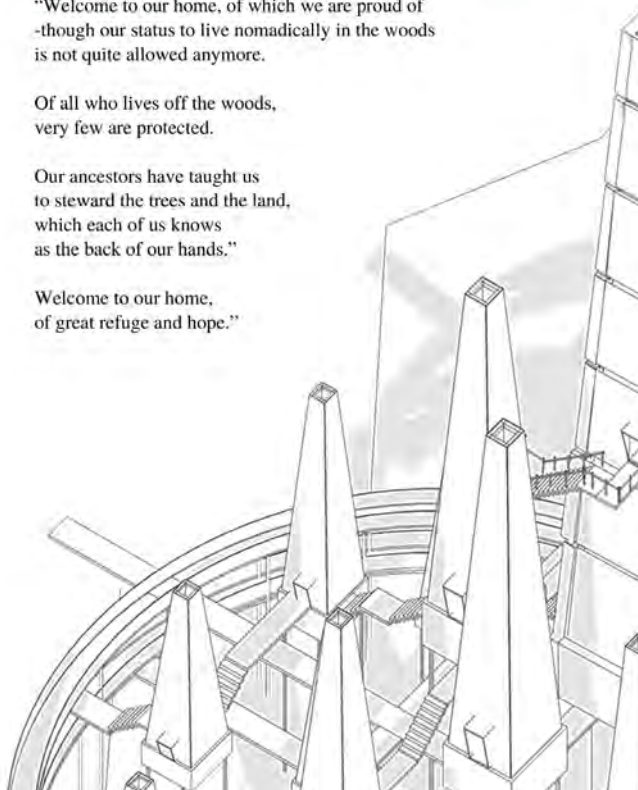
TOWER OF FOREST CONTEMPLATION COMPONENTIAL AXONOMETRIC 03

"Welcome to our home, of which we are proud of -though our status to live nomadically in the woods is not quite allowed anymore.

Of all who lives off the woods, very few are protected.

Our ancestors have taught us to steward the trees and the land, which each of us knows as the back of our hands."

Welcome to our home, of great refuge and hope."



five. TOWERS OF FOREST CONTEMPLATION

d? mejhey ye?
d? mejhey ye?
(do i like me?)
Lighting and hall,
mountains and hills
Morb tsi
(No meaning)

Guni ju (Cow)
oeh'haan'han (Zebra)
gikaa'gukaa'

(Water in the hollow of Mongongo tree)
"Praise the Land from the earth,
it's life in its perfect formation
(in the language of Batak)

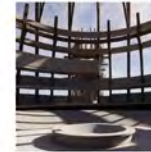


four. TOWER OF THEATRICAL DELIGHT

Do you remember the sky?
Do you remember the soil?
Do you remember the rainbow?
Do you remember the light?

Do you remember
The hornbill that flies
The rhythm of our lives
Each day's a blank page
We do not plan our time
"But don't be kaffir
Fear the spirits of our tribe"

"Kaffir" unbelievers
A poem inspired by
Chagge Wang,
"Do You Remember Me"

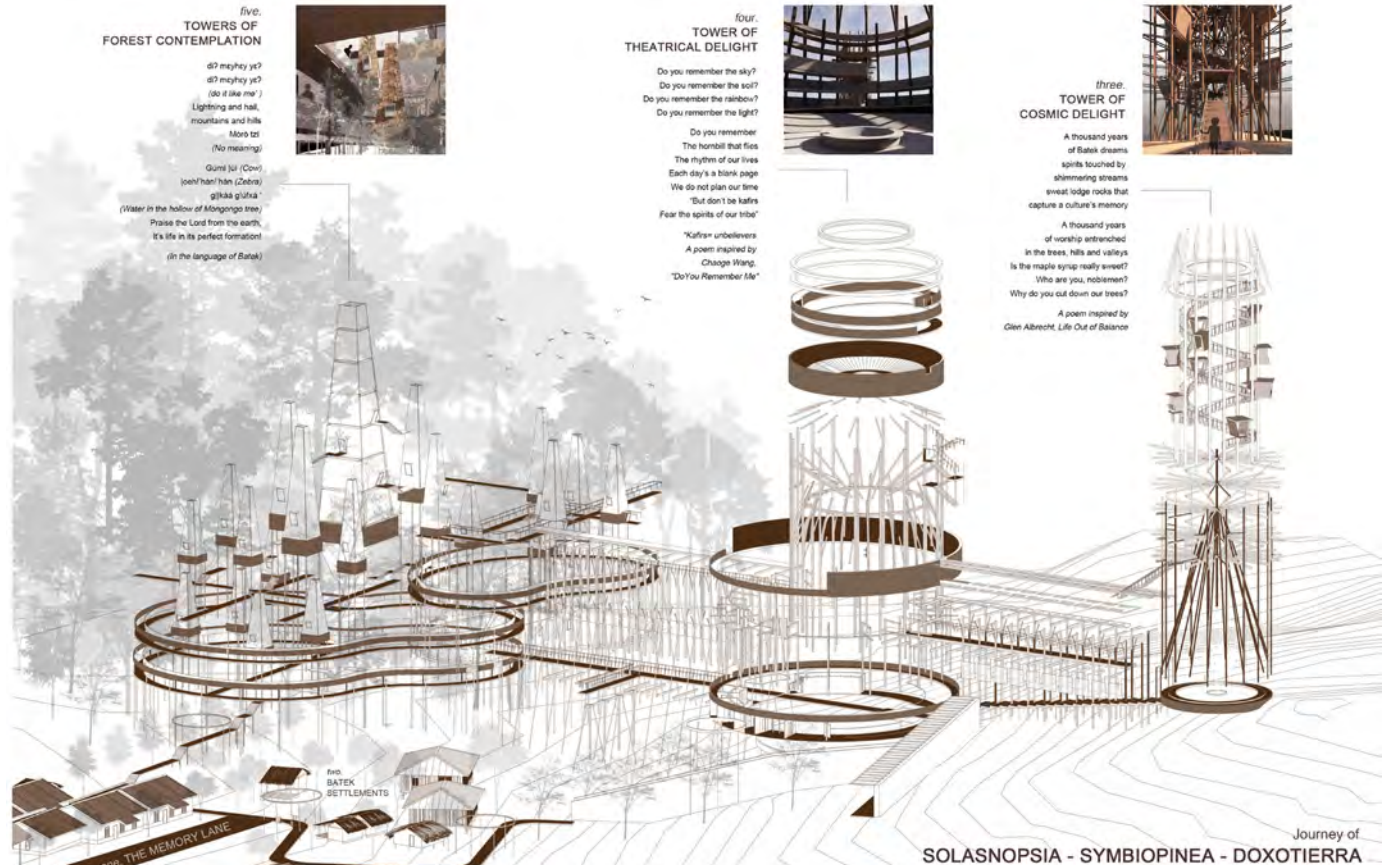


three. TOWER OF COSMIC DELIGHT

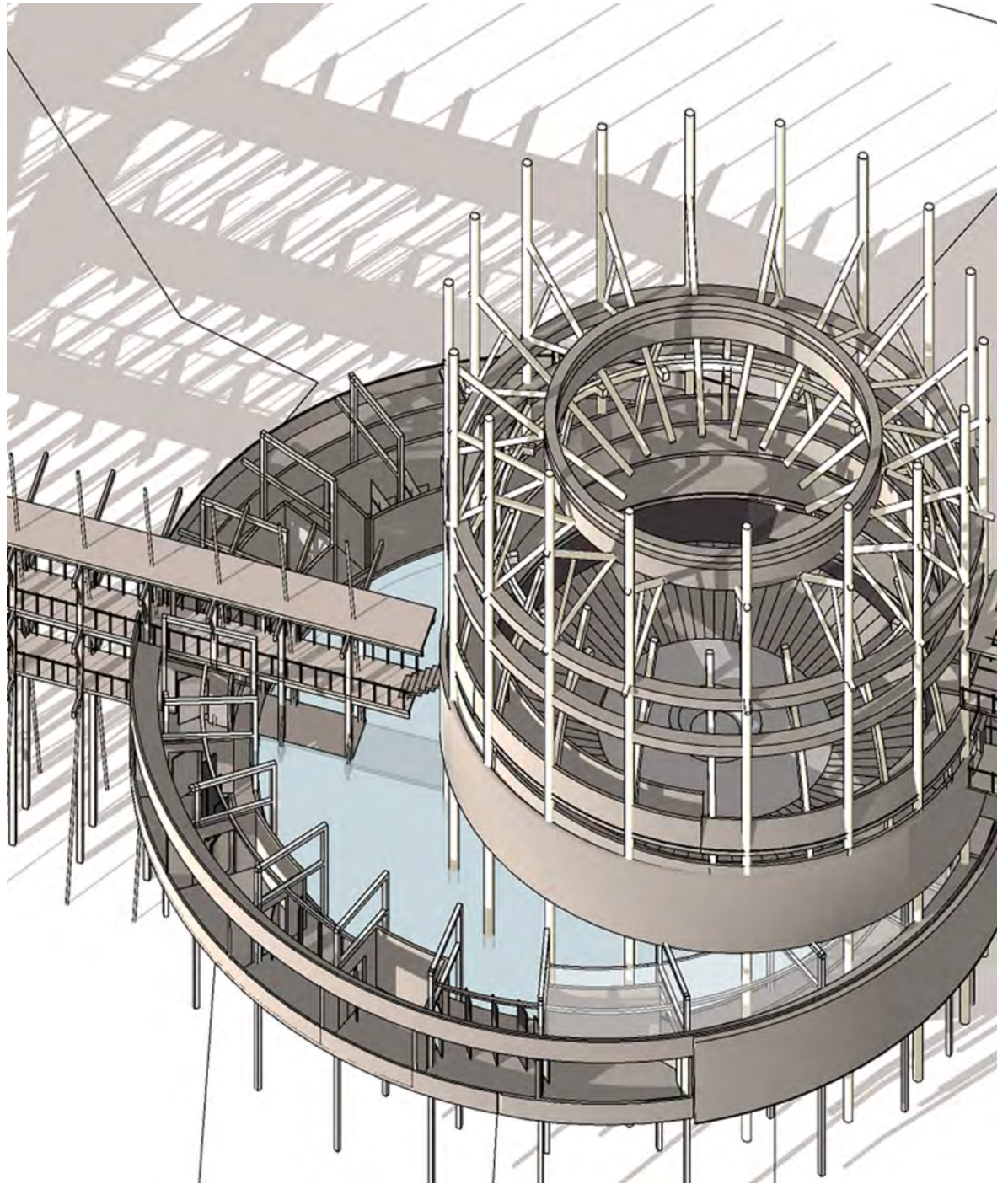
A thousand years
of Batak dreams
spirits touched by
shimmering streams
swirl lodge rocks that
capture a culture's memory

A thousand years
of words gathered
in the trees, hills and valleys
Is the maple syrup really sweet?
Who are you, noblemen?
Why do you cut down our trees?

A poem inspired by
Glen Abrecht, Life Out of Balance



Journey of
SOLASNOPSISIA - SYMBIOPINEA - DOXOTIERRA



VOICE OF RIGHTS: VOICE OF THE FOREST

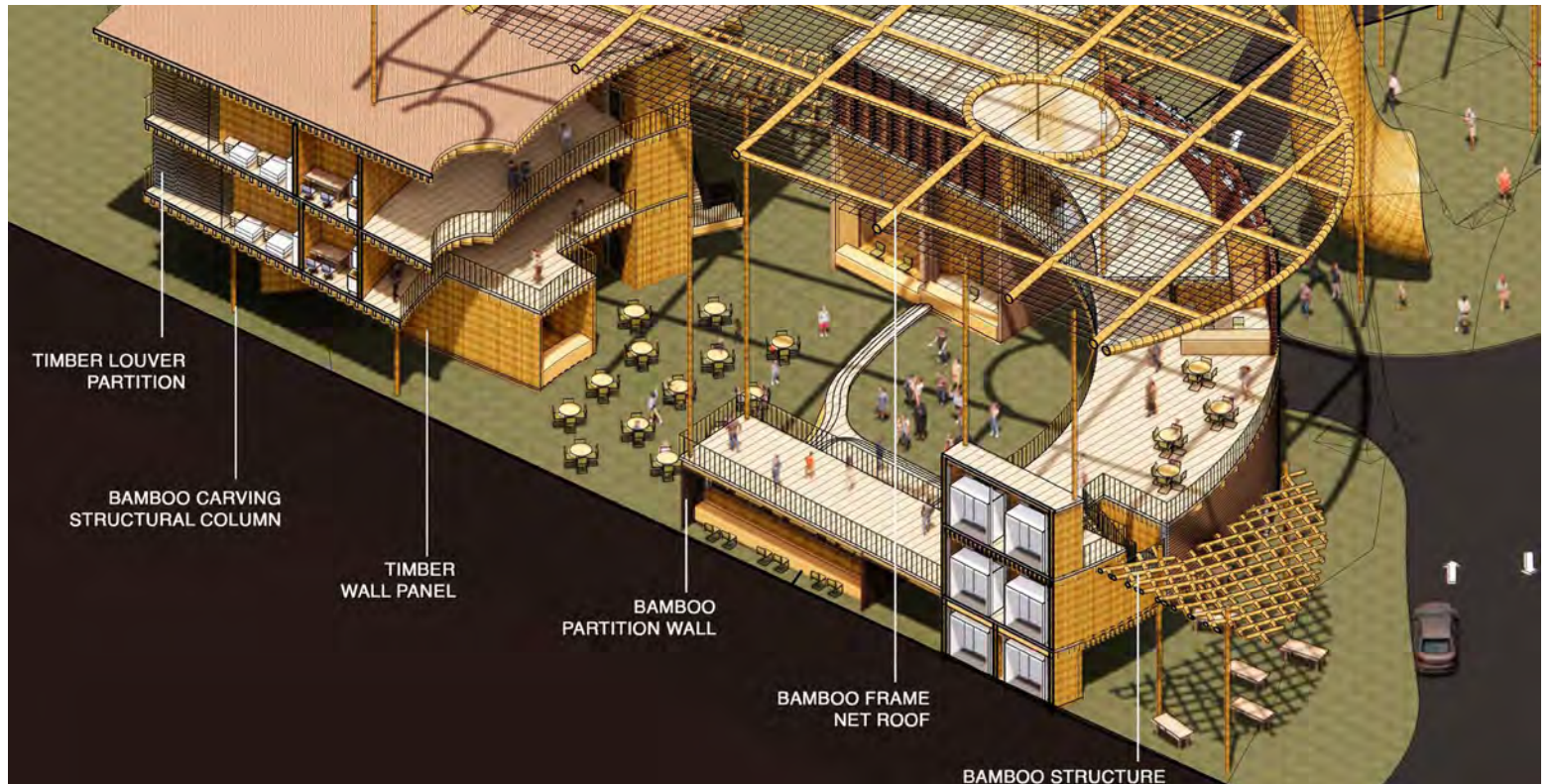
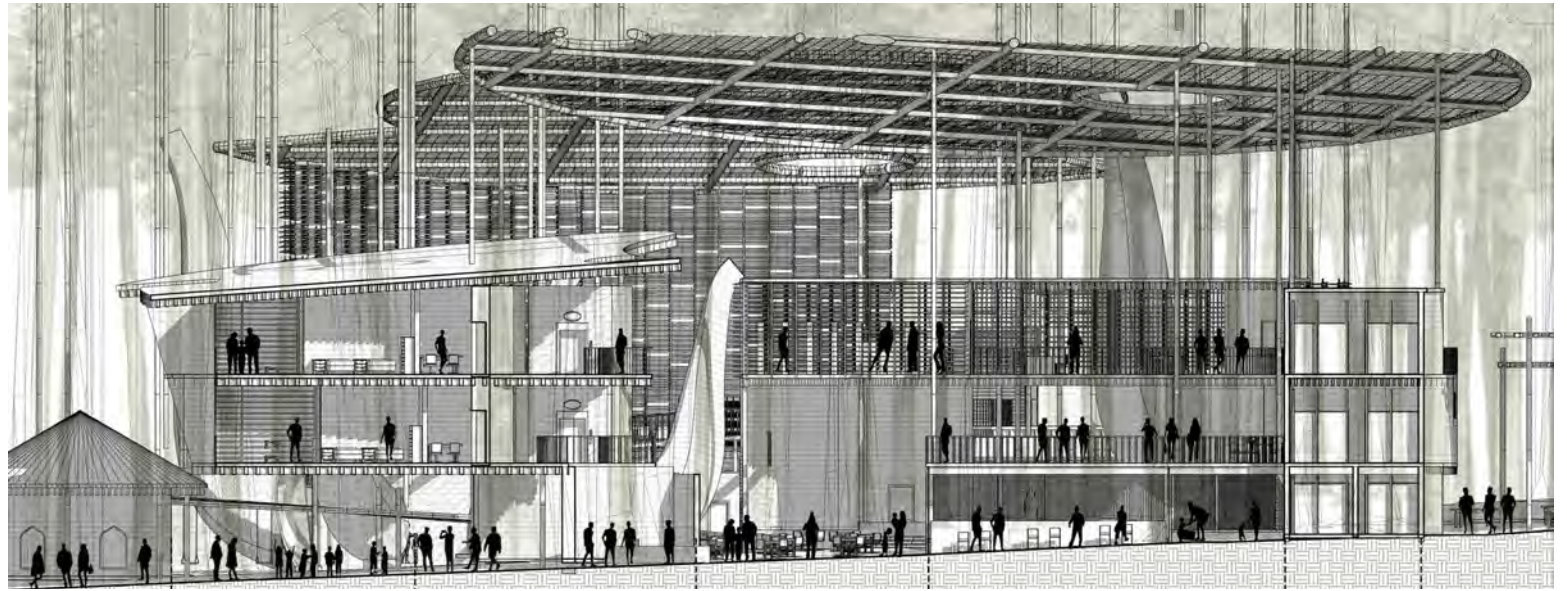
Kuala Koh National Park and Recreation's objective is to assist the Batek community by providing safe areas, facilities, and activities that promote physical, mental, and social activity. By getting people outside, active, and connected to the community, especially youngsters. As a result, the Batek community's well-being and the jungle's livability will improve

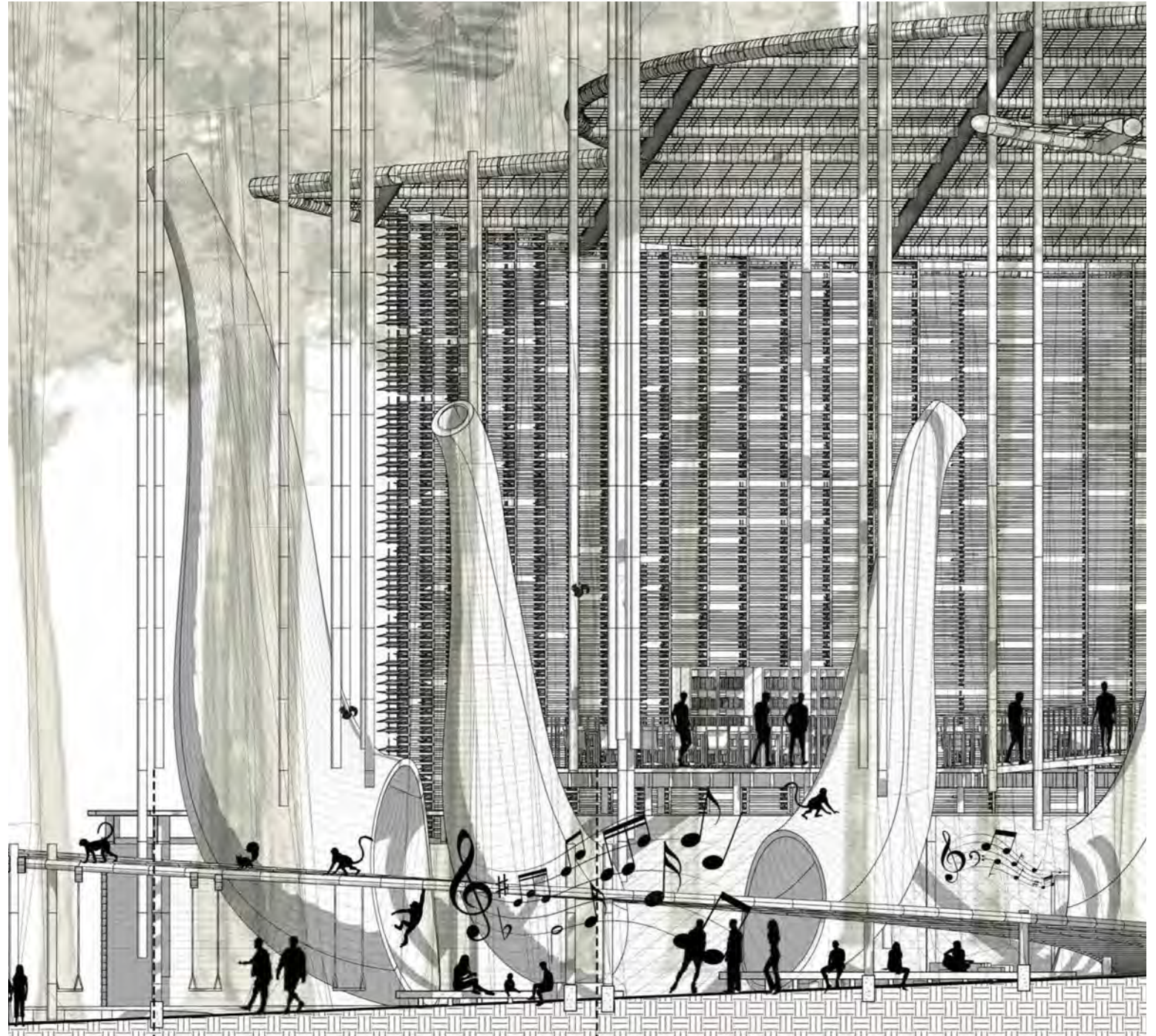
-Constructing, safeguarding, and restoring parks, natural areas, public spaces, and the city's urban forest, ensuring that all of them are accessible to everybody.

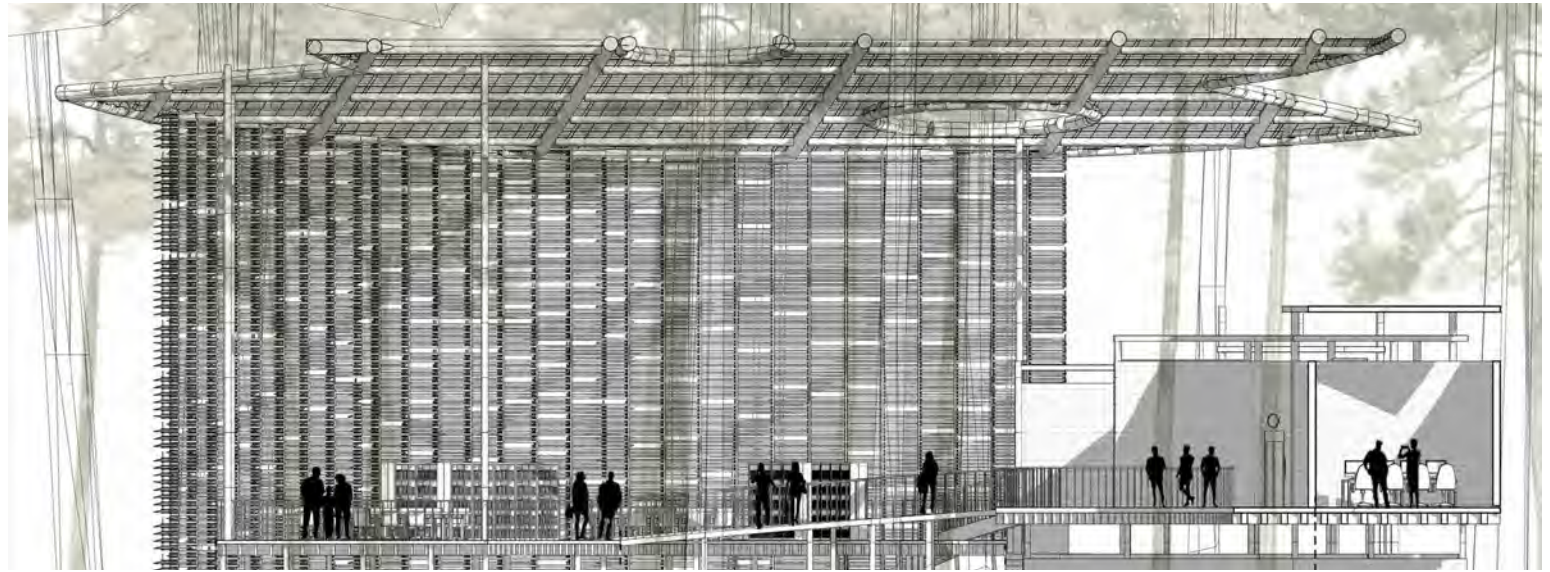
-Creating and sustaining good public leisure and community-building facilities and spaces.

-Partnering with the Batek community to provide exciting recreation programs and services that promote health and well-being for all









TROPES OF FEAR

Fear of Gob

gob, which is the outsiders. we visit their tribe as our leisure, but as their fear. They were forced to give a show to tourist about their lives. Public discriminate their tribe, the negligence towards these people, has caused their fear. They were reluctant to talk about their issues, the fear and mistrust is firmly etched into their social memory because they were the victims of sporadic but repeated enslaving by the malays. They couldn't merge in society, including children at their schools.

Fear of Loss

ha-ip is the feeling of losing the things they cherish, such as their friends, relatives, game animals, fruits and culture, their land (forest). Activities like deforestation, forced them to live at the concrete houses that government provided, which caused them to lose the freedom to be a nomad.

Fear of Hot

hot, which refers to anger from god. They believe that the disease or known as the plague was a punishment from their god 'Gobar'. It is a taboo to destroy what god gave them - which is the nature. They are scared to lose their culture, and they don't allow it when people disrespect for their religious belief.

00



/ THE BATEKS
Hunter Gatherers

01



/ THE FOREST
Nomads of the Rainforest

02



/ THE CITY
Modern Nomads

03



/ THE FUTURE
Future of the Nomads

04



/ THE FOREST
Architecture of the Bateks

05



/ THE CITY
Urban Architecture

06



/ THE FUTURE
Future of Nomadic Architecture

07



/ THE FOREST
Fear of Tropes - Batek

08



/ THE CITY
Virus Pandemic

09



/ THE FOREST
The Rainforest

10



/ THE CITY
The City

11

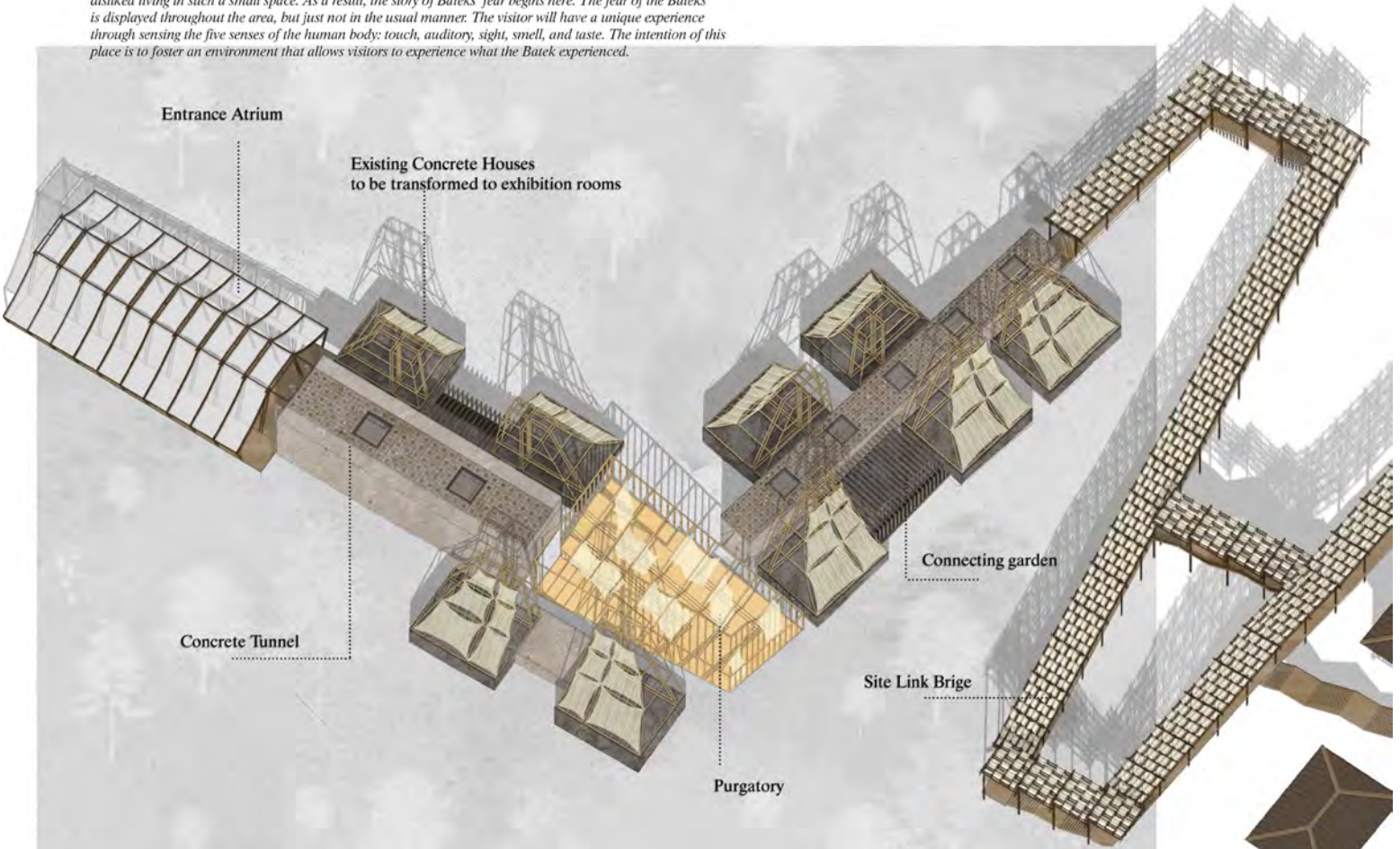


/ THE FUTURE
Co-exist



Valley of Death

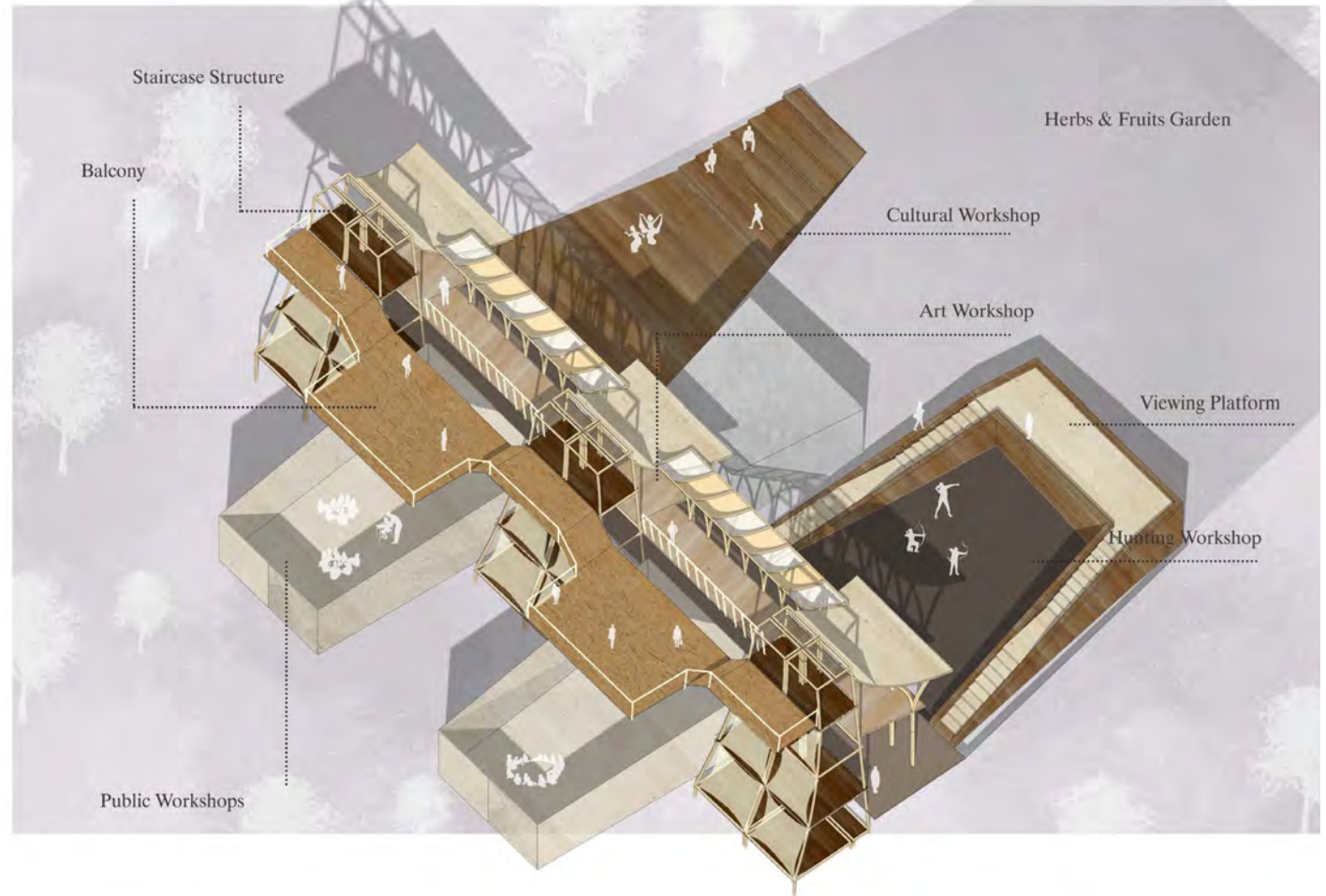
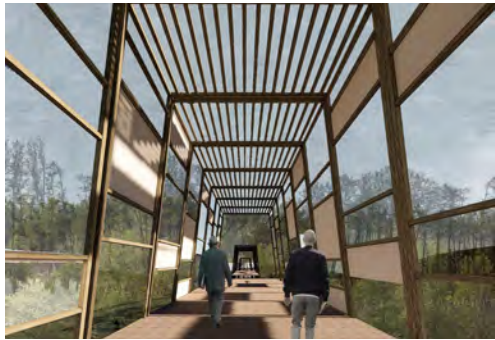
This space is built on top of the Bateks' existing concrete houses, which were provided by the government. They disliked living in such a small space. As a result, the story of Bateks' fear begins here. The fear of the Bateks is displayed throughout the area, but just not in the usual manner. The visitor will have a unique experience through sensing the five senses of the human body: touch, auditory, sight, smell, and taste. The intention of this place is to foster an environment that allows visitors to experience what the Batek experienced.

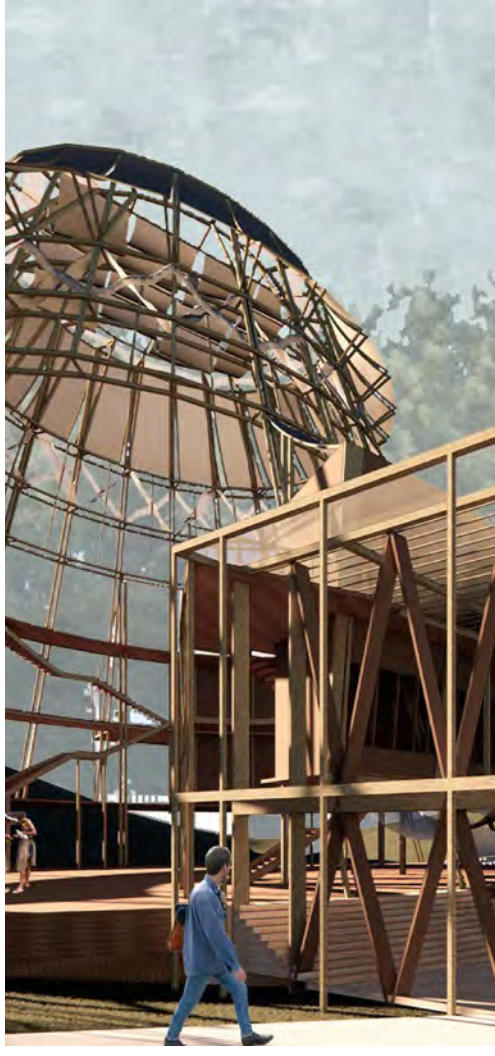




Passage of Light

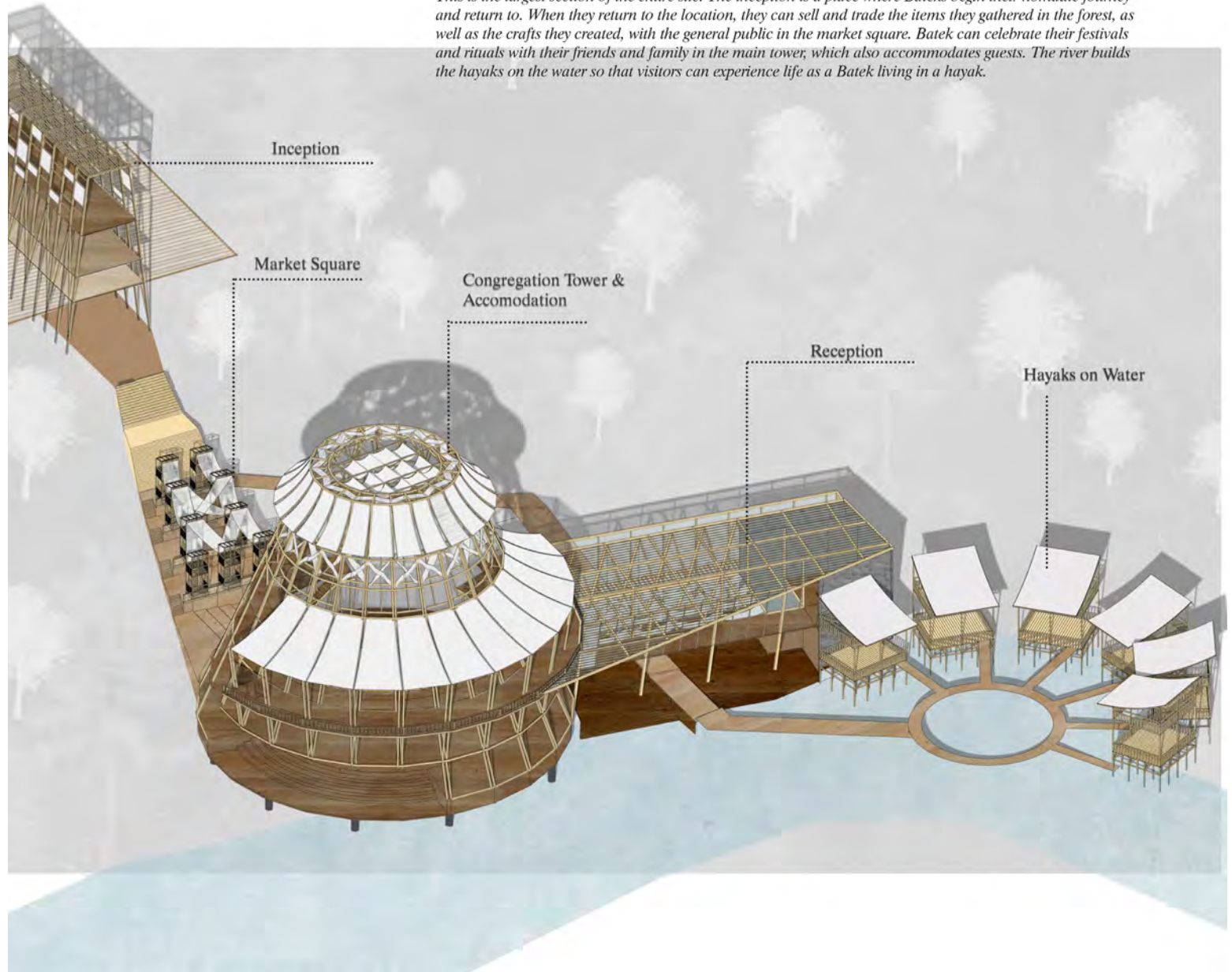
Fear started to fade at this point, and hope appears for the visitors. This is a public workshop area where Bateks and the general public can learn about each other's cultures and knowledge.





Tower of Hope

This is the largest section of the entire site. The inception is a place where Bateks begin their nomadic journey and return to. When they return to the location, they can sell and trade the items they gathered in the forest, as well as the crafts they created, with the general public in the market square. Batek can celebrate their festivals and rituals with their friends and family in the main tower, which also accommodates guests. The river builds the hayaks on the water so that visitors can experience life as a Batek living in a hayak.



PARADOXICAL UNITY - CULTURAL MEDIATIVE MEMORIAL CENTER

Since then, the modern has forsaken the spiritual dimension and moral obligation. The goal was to use spiritual healing architecture to build a way of interpreting the built environment and natural landscape to revitalize, preserve, and promote cultural knowledge, cultural resilience, social inclusion, and well-being of Bateq Peoples more broadly as well as to raise ecological consciousness to the public. Based on experiential background and emotional linkages, there are spatial aspects and architectural features. To find and characterize these links, one must look beyond the obvious signs and symbols and consider the spatial aspects and architectural components that activate the senses. As a result, the cultural meditative memorial center was established to establish a spiritual healing environment in which humans may connect with their inner spiritual selves as well as the spirit of their surroundings



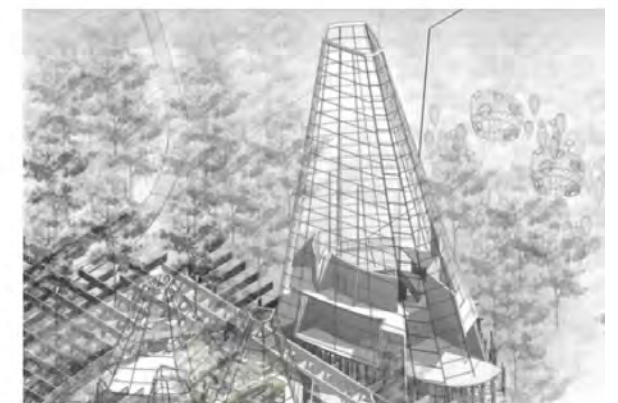
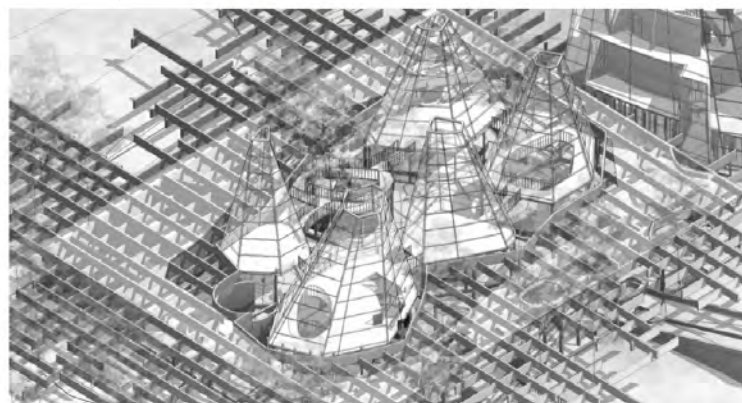
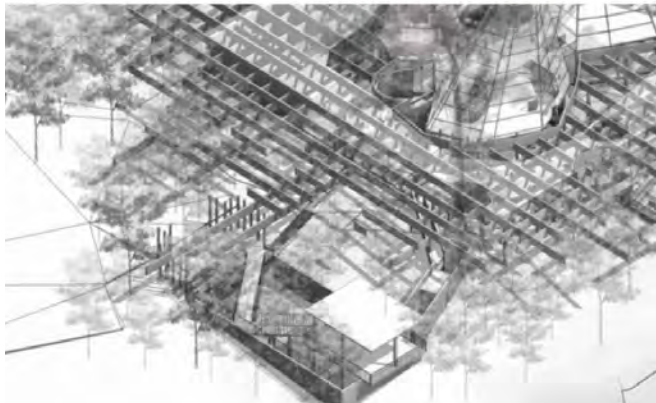
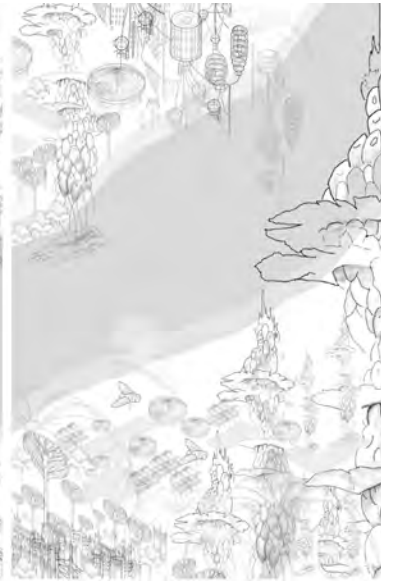
Garden of Demise



Garden of Healing



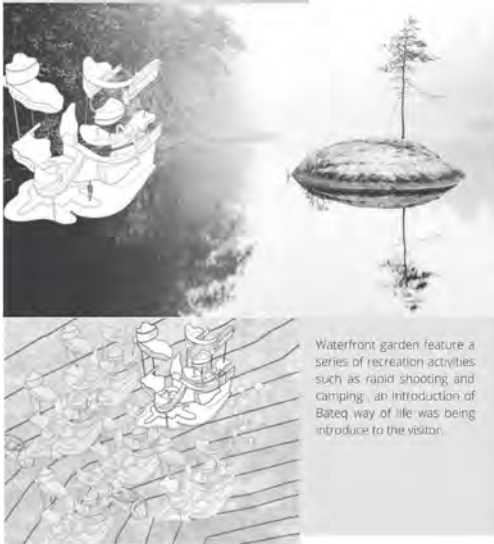
Tower of Symbiocene



The initiative aims to establish a profound post-Anthropocene connection between people and the environment. The masterplan prioritizes emotions, utilizing the landscape's context. Through a journey of landscape, art, and architecture, it prompts contemplation on deforestation and Bateq tribes' cultural collapse in Kuala Koh Taman Negara. Instead of constructing shelters, the focus is on creating an experiential pathway with an intentionally subordinate structure, fostering unexpected spaces and relationships. Navigating the field's edges maintains awareness of bodies in space, creating a beautiful and emotionally impactful landscape. The installation encourages residents and visitors to appreciate the environment, fostering understanding and inspiring action marked by imagination, bravery, and respect.

RECREATION

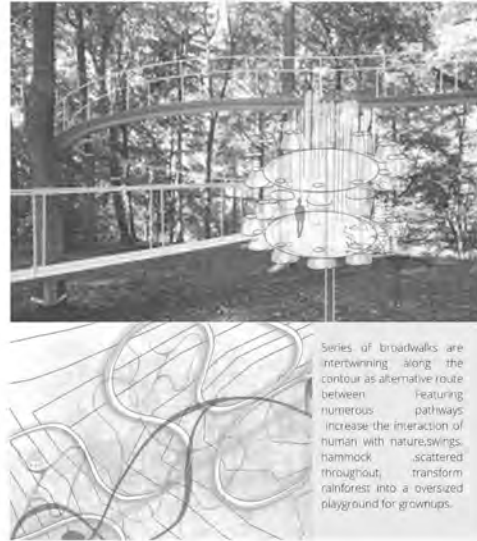
PORTAL INTO REALM OF FANTASY



Waterfront garden feature a series of recreation activities such as rapid shooting and camping, an introduction of Bateq way of life was being introduce to the visitor.

RECREATIONAL

GETAWAY TO THE SECRET REALM



Series of broadwalks are intertwining along the contour as alternative route between numerous pathways increase the interaction of human with nature, swings, hammock, scattered throughout, transform rainforest into a oversized playground for grownups.

CULTURAL EXPERIENCE

TREEHOUSE AS SPOT OF WONDER

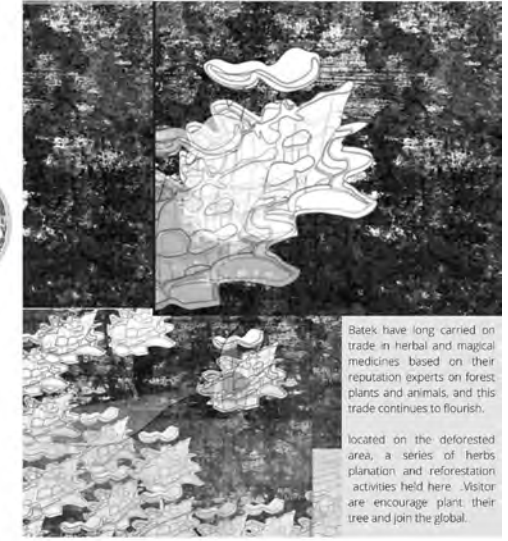


Bateq tribes believes in spirits, when someone dies, they believe that he/she must be returned to forest. The body is wrapped using the barks of tree and tied in a long rattan, it was later bought into deep forest and hung on 50m tree house

Configuration: treehouse spread across the landscape at varying levels, create new layer of canopy encourages views at different level

REFORESTATION

HERBS PLANTATION ZONE



Bateq have long carried on trade in herbal and magical medicines based on their reputation experts on forest plants and animals, and this trade continues to flourish.

located on the deforested area, a series of herbs plantation and reforestation activities held here. Visitor are encourage plant their tree and join the global.

EXPERIMENTAL AND STIMULATION

TUNNEL OF LIGHT



Installation of some architecture space and artistic atmosphere to demonstrate how art and nature can come together to reinvigorate the visitor, seeking to reconnect local and visitor alike with the majestic beauty of land. Eutleria is a good Earth feeling that comes from raw interaction with the living Earth.

EXPERIMENTAL AND STIMULATION

FOREST OF LIGHT



A forest of light captivating illuminated experience set within the rainforest showcasing fantastic natural beauty

HEALING AND SPIRITUAL

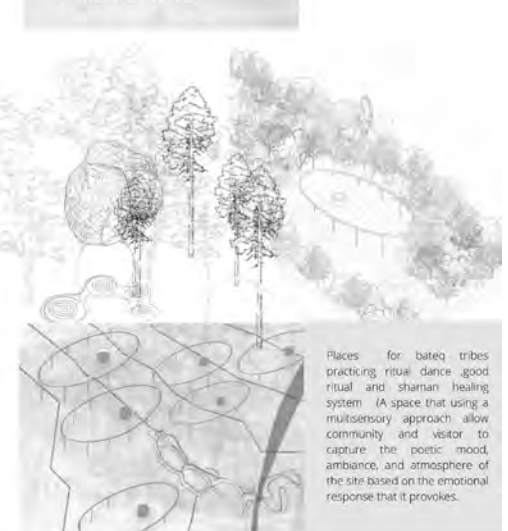
FORESTRY BIOSPHERE



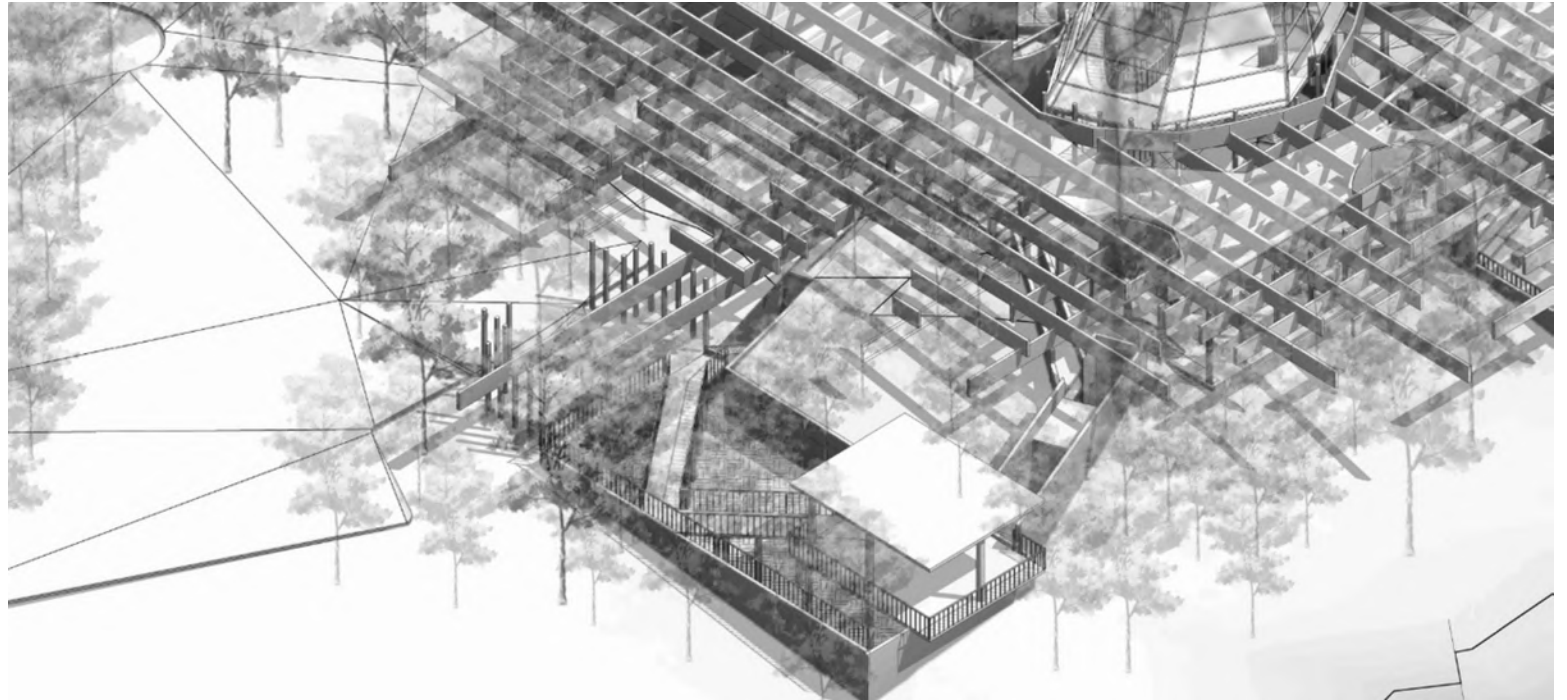
Emotional and spiritual fulfillment Area for bateq tribes and outsider. A place for serious head clearing and soul searching, help to build a sustainable community

HEALING AND SPIRITUAL

FOREST OF RING

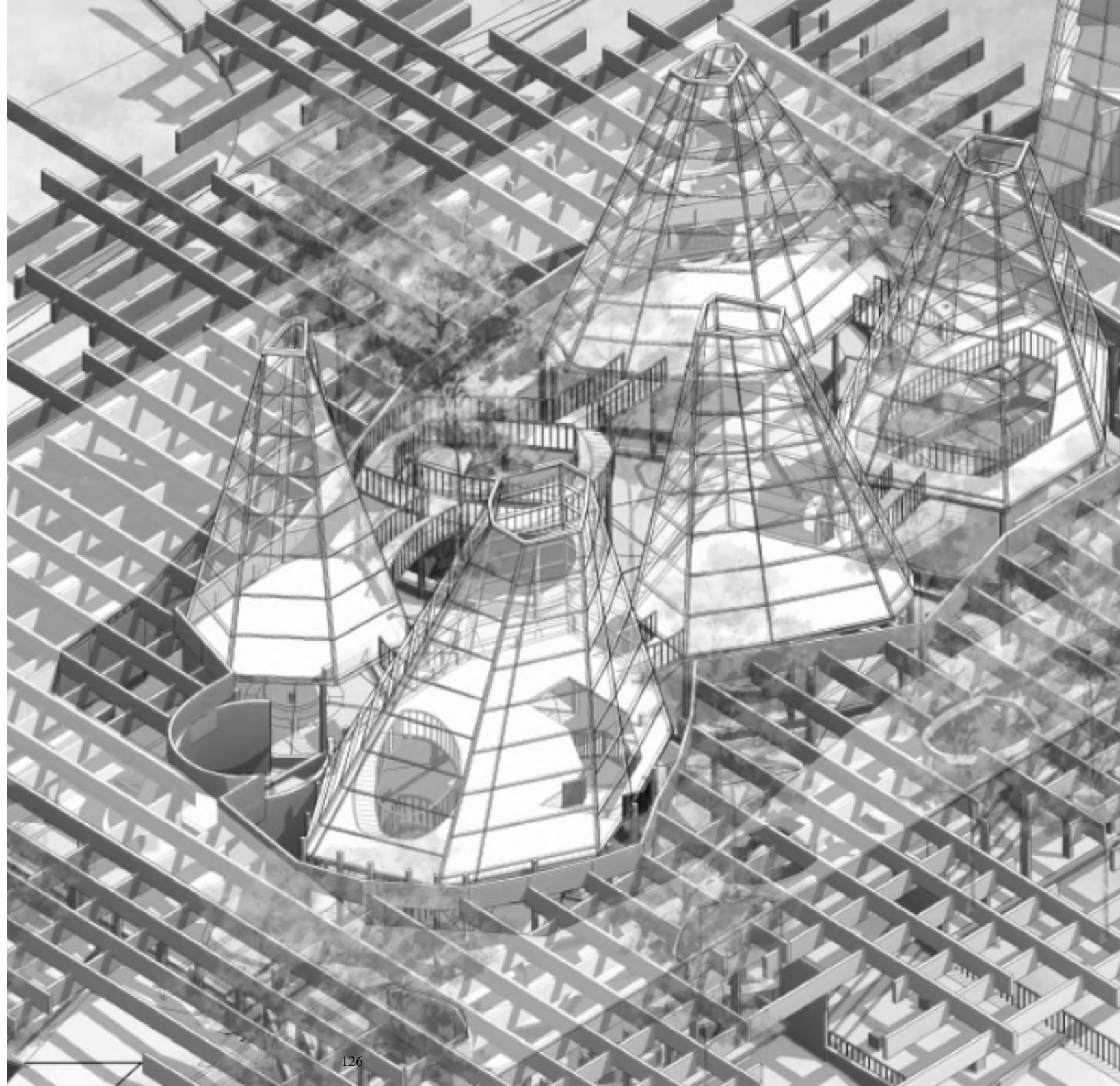


Places for bateq tribes practicing ritual dance, good ritual and shaman healing system (A space that using a multisensory approach allow community and visitor to capture the poetic mood, ambiance, and atmosphere of the site based on the emotional response that it provokes.





YOUNG HUI QI - 2022



Brickfields



Confluent Encounters

Bakhtiar, Ar Bobby Low, Yean Tuck Leong, Shamsul Akmal

Approaching the Project

This semester's on-site project in Brickfields encourages diverse and collective approaches, rooted in psychogeography and anthologies. Students will explore various scales, emphasizing the area's rich social, religious, and economic diversity. The analytical process involves drawing, model-making, and detailing for clarity. The main project's typology varies based on individual and collaborative studies, defining each student's unique project brief.

Theme 1 Industrial Heritage

Of brickmaking to locomotives and the absence of which. Industrial heritage, by definition, encompasses a broad array of objects, structures, landscapes, and historical practices. Simply put, industrial heritage includes all of the social and material culture directly or indirectly related to the people engaged in the creation of infrastructure and the production and distribution of raw materials, objects, and energy.

The pioneering industrial heritage of Brickfield holds a significant role in the construction and development of Kuala Lumpur. Today, even with the existence of KL Central transportation hub, this significant historical timeline is almost entirely erased from the physicality of the site, kept unknown to the younger generation. This theme intends to pay homage to the memory and history of how it all started.

Theme 2 Social Empowerment

One of the most iconic and remembered developments in Brickfields, named 100 quarters (also known as Nooru 100), was demolished in recent years due to its dilapidated state and uninhabitable conditions. The Nooru used to house the employees of the Malayan Railway since 1915.

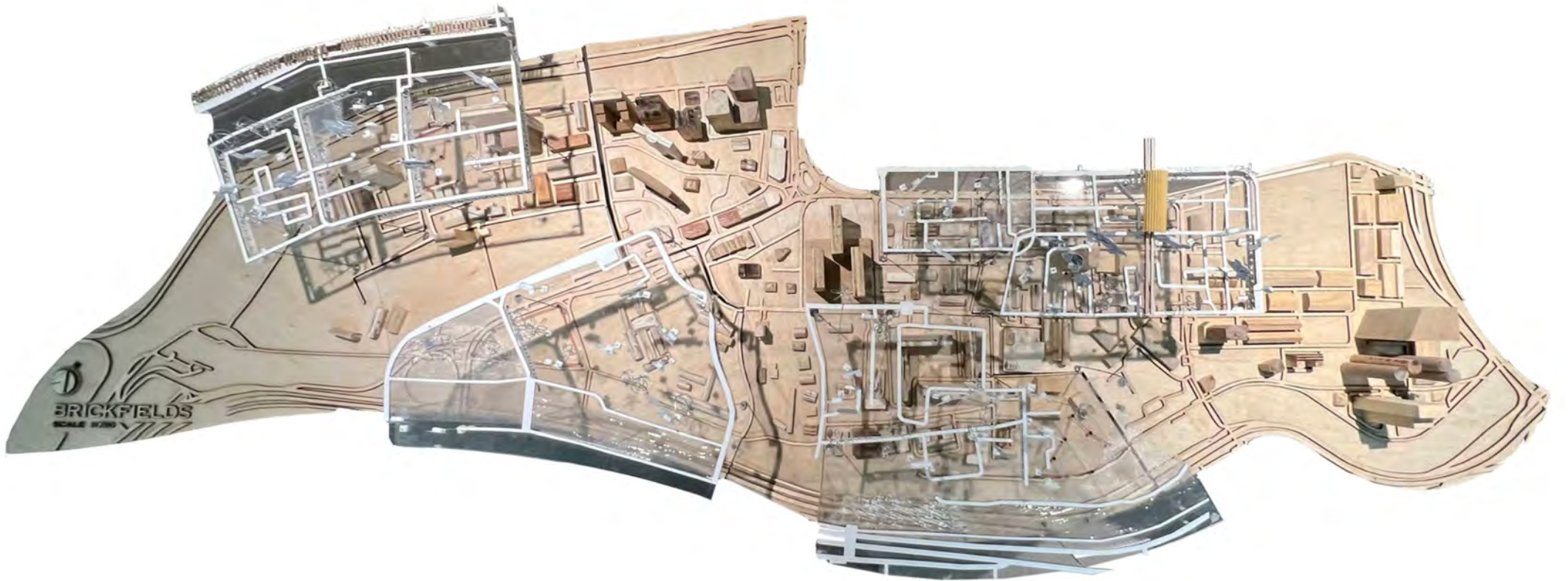
Though the need for intervention, many have voiced against the redevelopment of the land into another commercial high-rise condominium. Hopes and requests for public spaces, parks, and play areas for the younger generations are being denied, to allow for just another cash-cow for a specific tier of society.

This is just one of the many similar developments Brickfield had to go through throughout the years. From the words of the local community, Brickfields has seen the landscape and people-scape change, and they themselves are unsure of its destiny.

Theme 3 Intercultural Confluence

Brickfields is a diverse neighborhood with dozens of religious institutions, schools, associations, as well as social and welfare organizations within a square mile, all with a history of more than a century. Traditionally, Brickfields had a diversity of ethnicities and religious practices, primarily from the Sinhalese, Jaffua Tamil, South Indian Tamil who are Hindus, Buddhists, Christians, and Muslims. These influences have shaped the demography of its society today.

The diverse character of the neighborhood is also evident in its residential buildings, ranging from government and railway quarters to private homes. Traditional 2-storey shophouses are interspersed with commercial activities, and more recently, high-rise condominiums. This theme shall focus on the confluence of the diversified cultures, benefiting from its richness, and promoting an intercultural architectural proposition.



RELIVE IN DIACHRONICITY

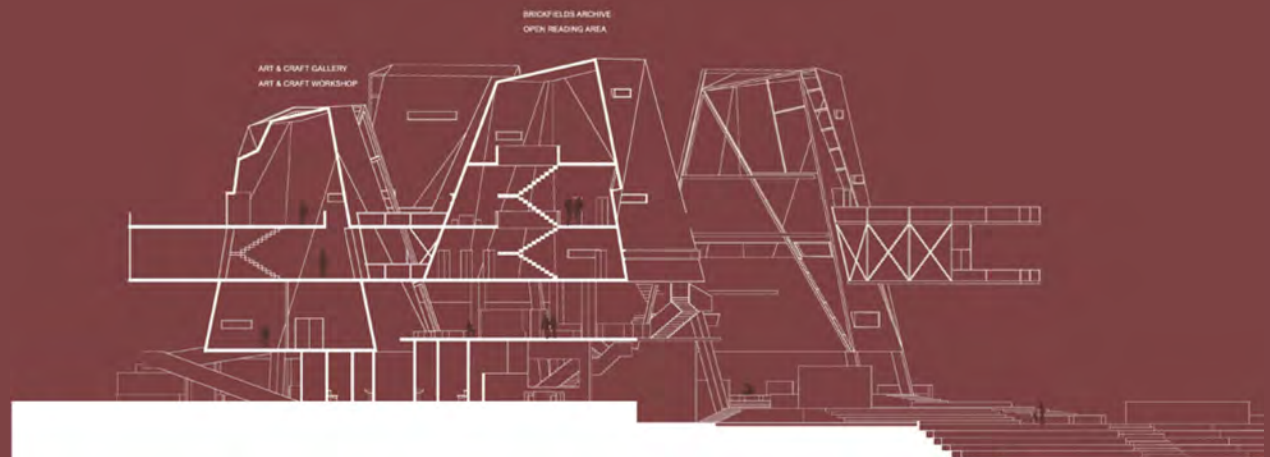
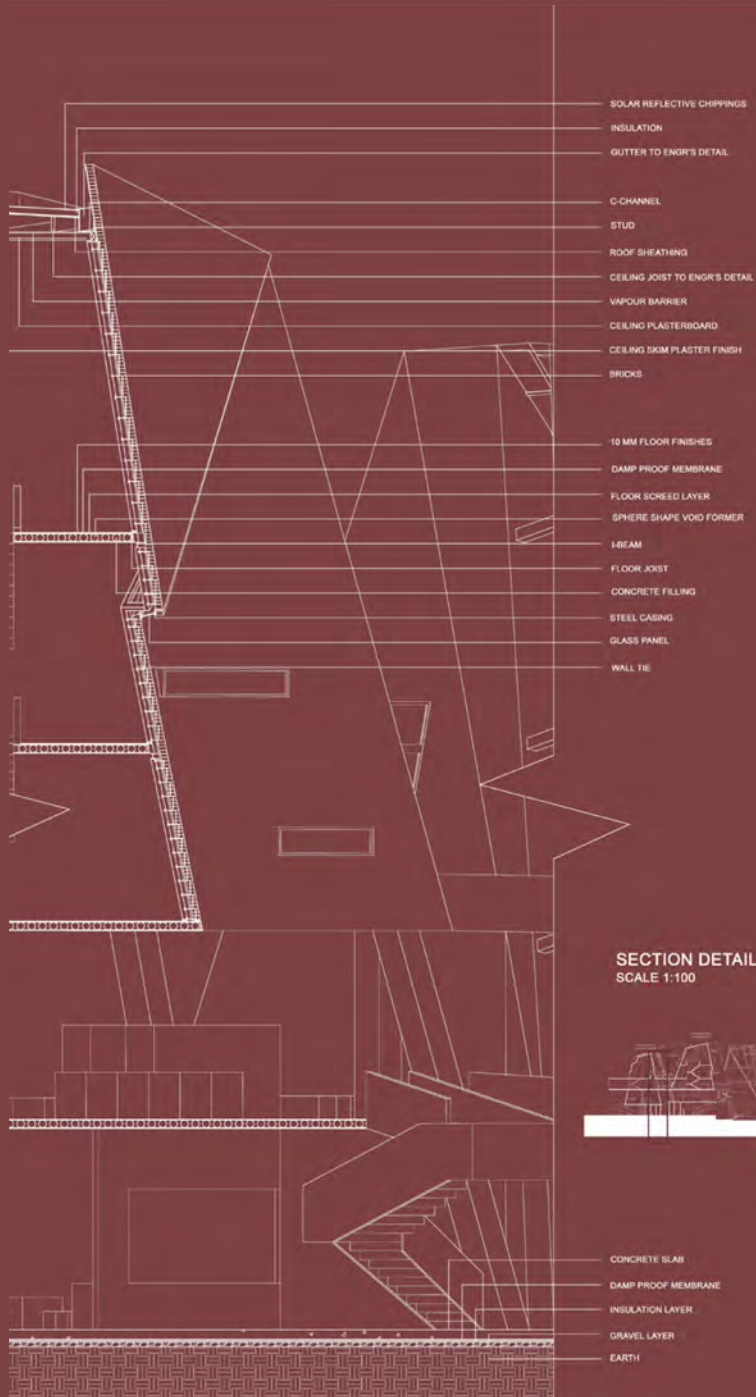
When people talk about Brickfields today, most of them are about the Little India that was created by the government to attract tourists, the colorful arches, and the convenient transportation hub. What about Brickfields itself? The intention is to connect the people again, to remember and look back to what led each of us here today. Passing through the tunnel, users journey are to disperse inside the site and assemble again by the river.

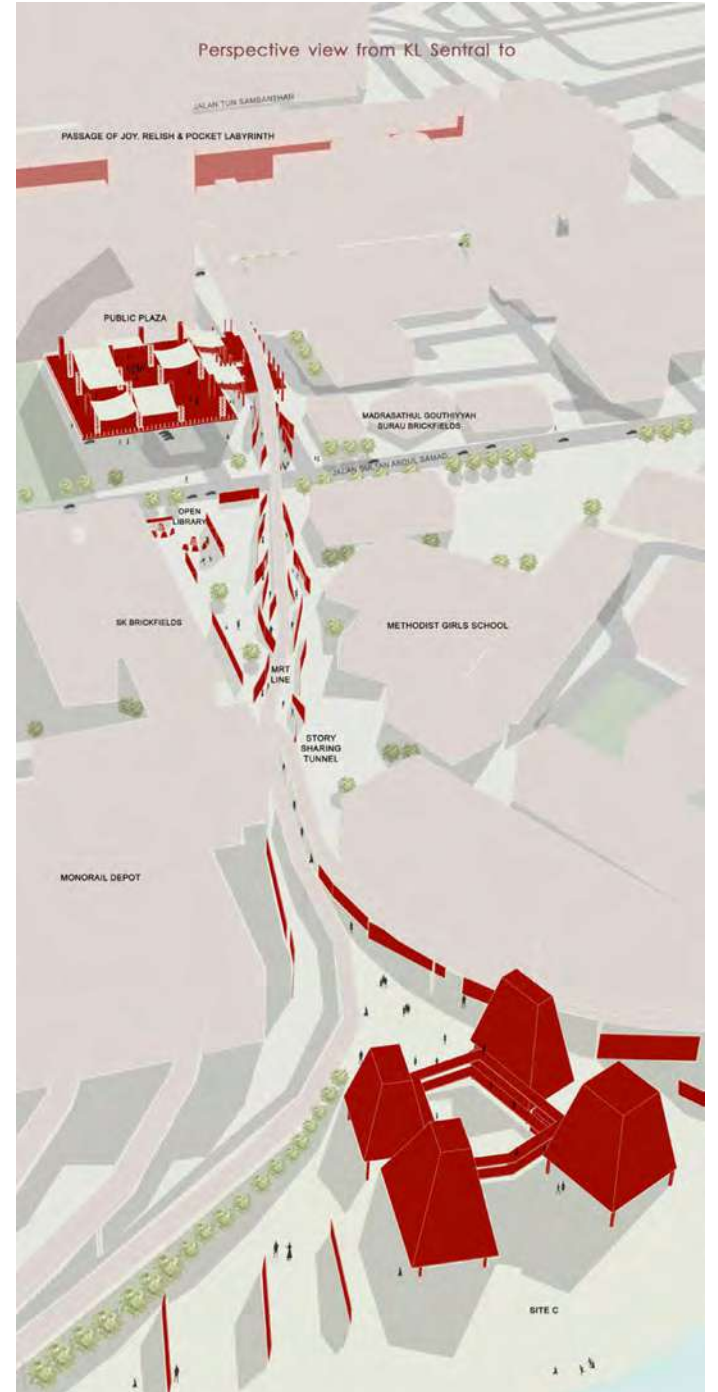
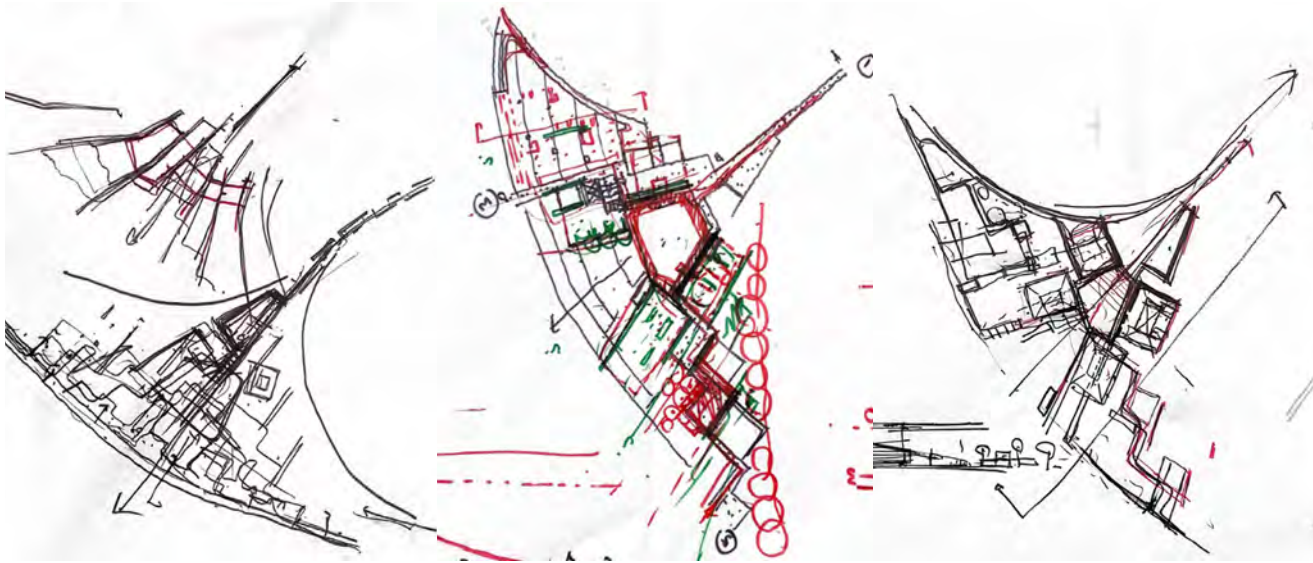


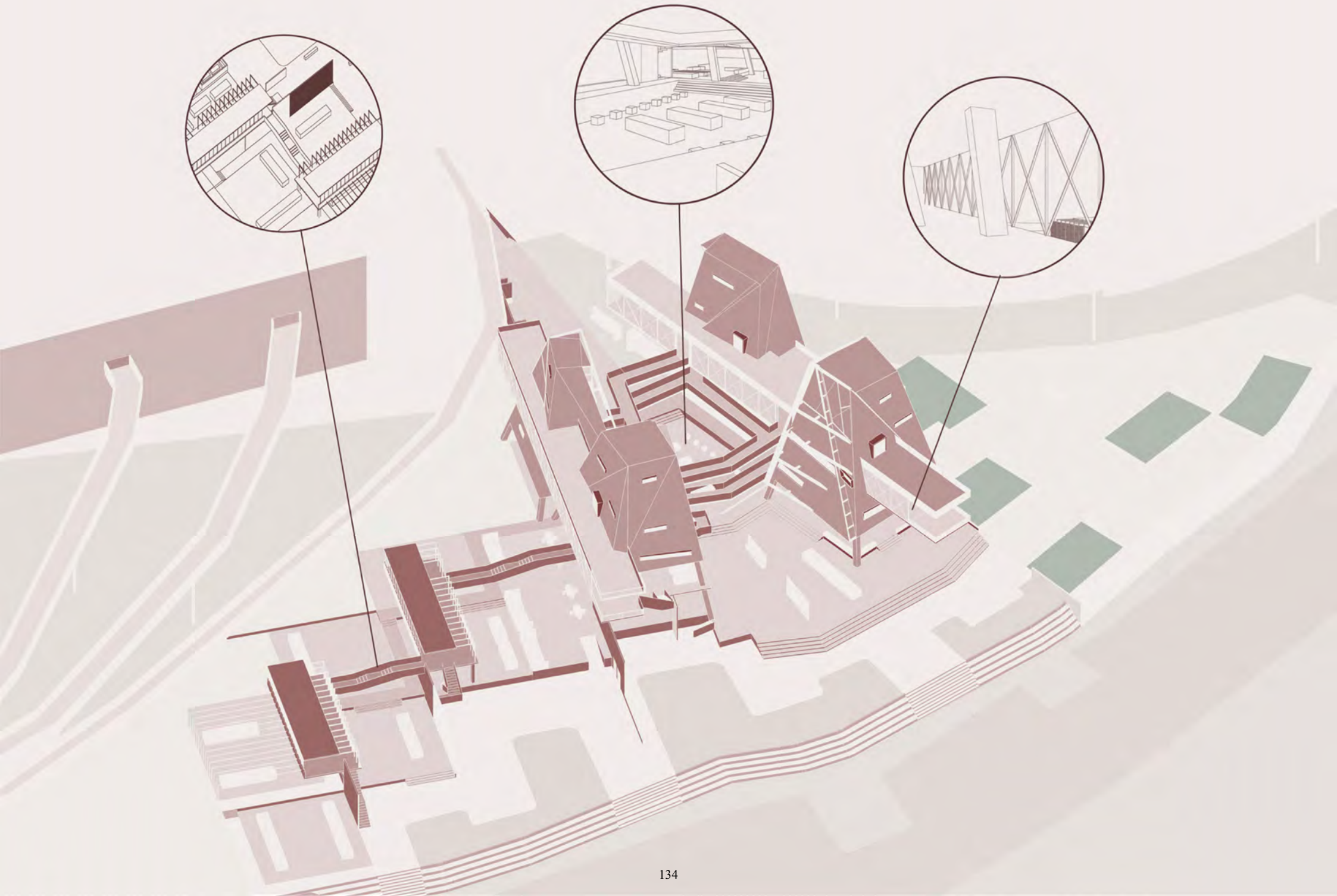
Unsophistication to jeopardy

Before the fires took away lives and homes, the buildings were all built with timber and thatched roof structures. The houses were positioned randomly cluster by cluster. People earned living by farming and everyone was connected with the sincerest interactions.

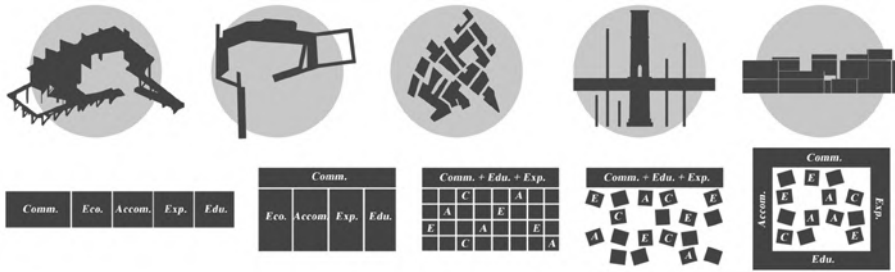
The sky was clear; the road was board, we live blissfully without knowing what comes next



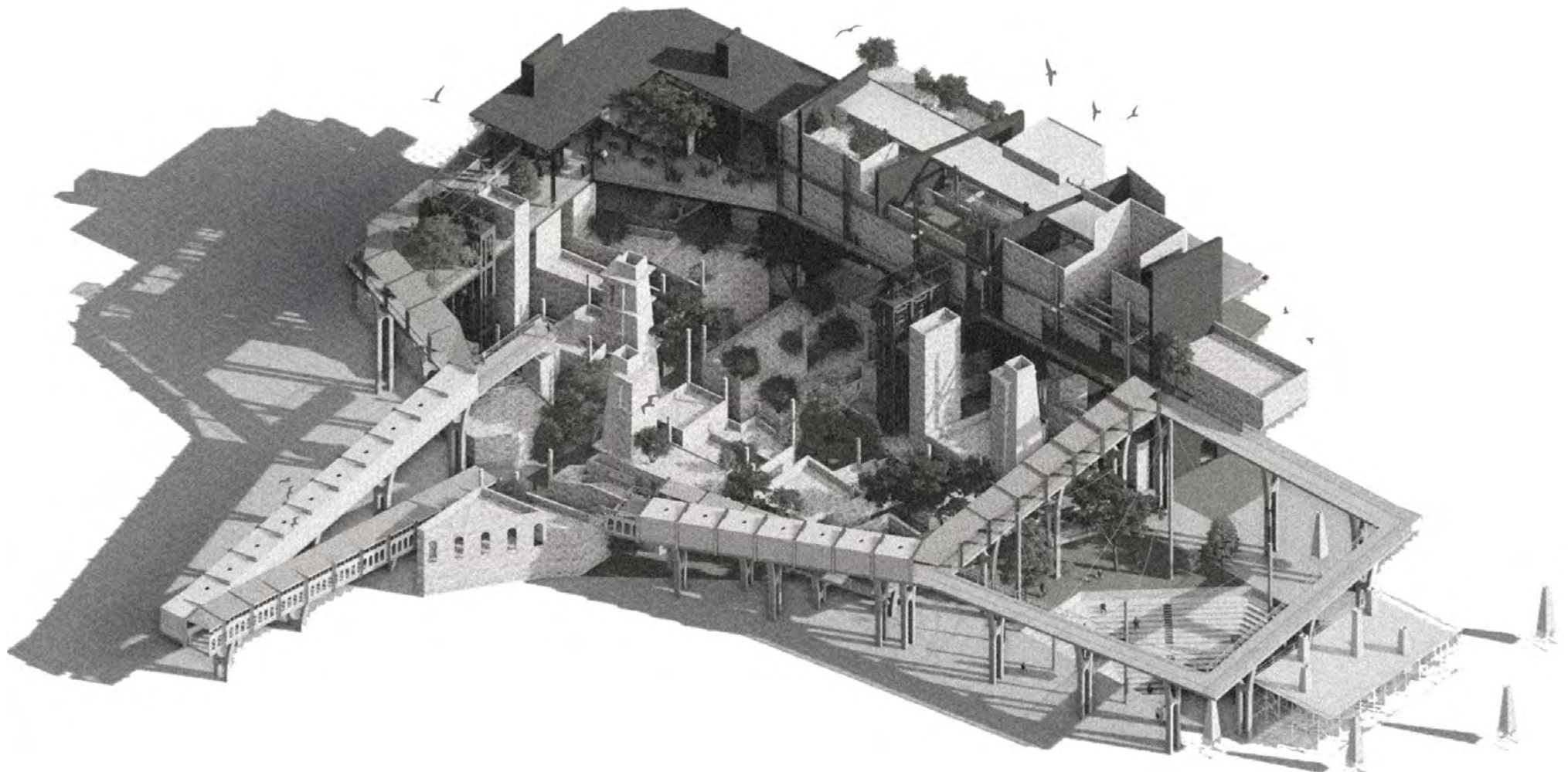


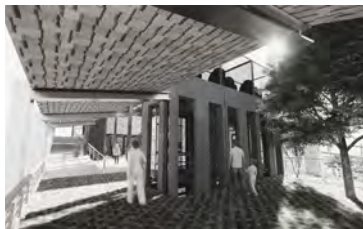
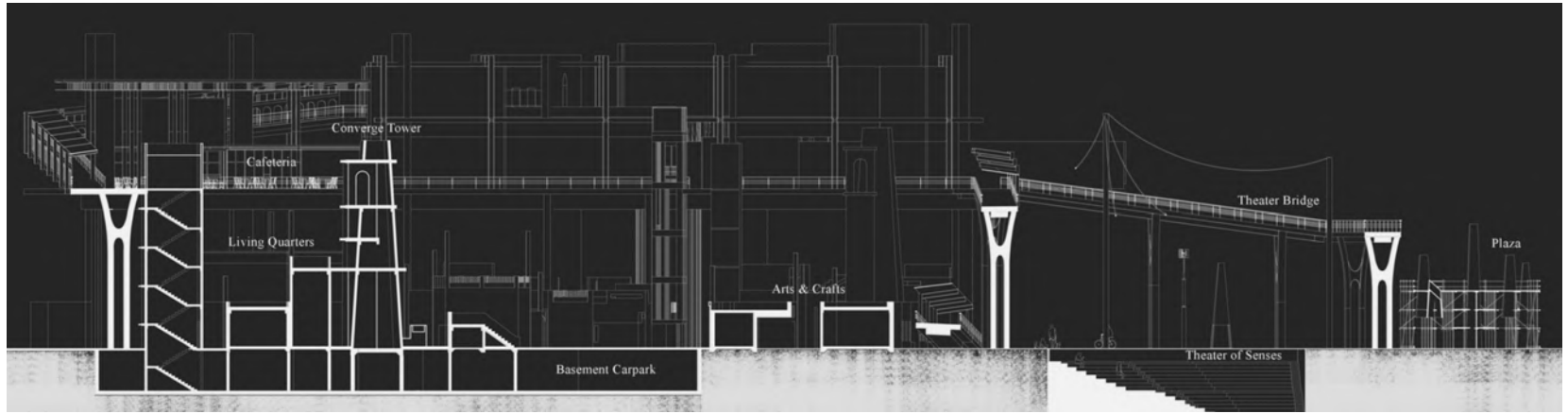
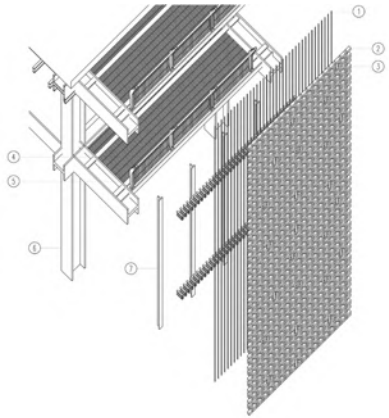


CAPITAL BLEAF - INTERCULTURAL CONFLUENCE TERRITORY

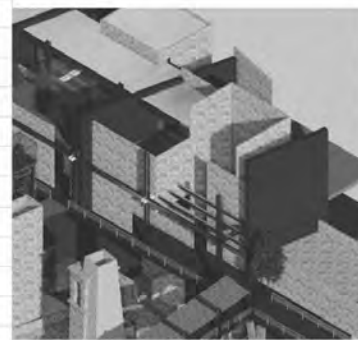
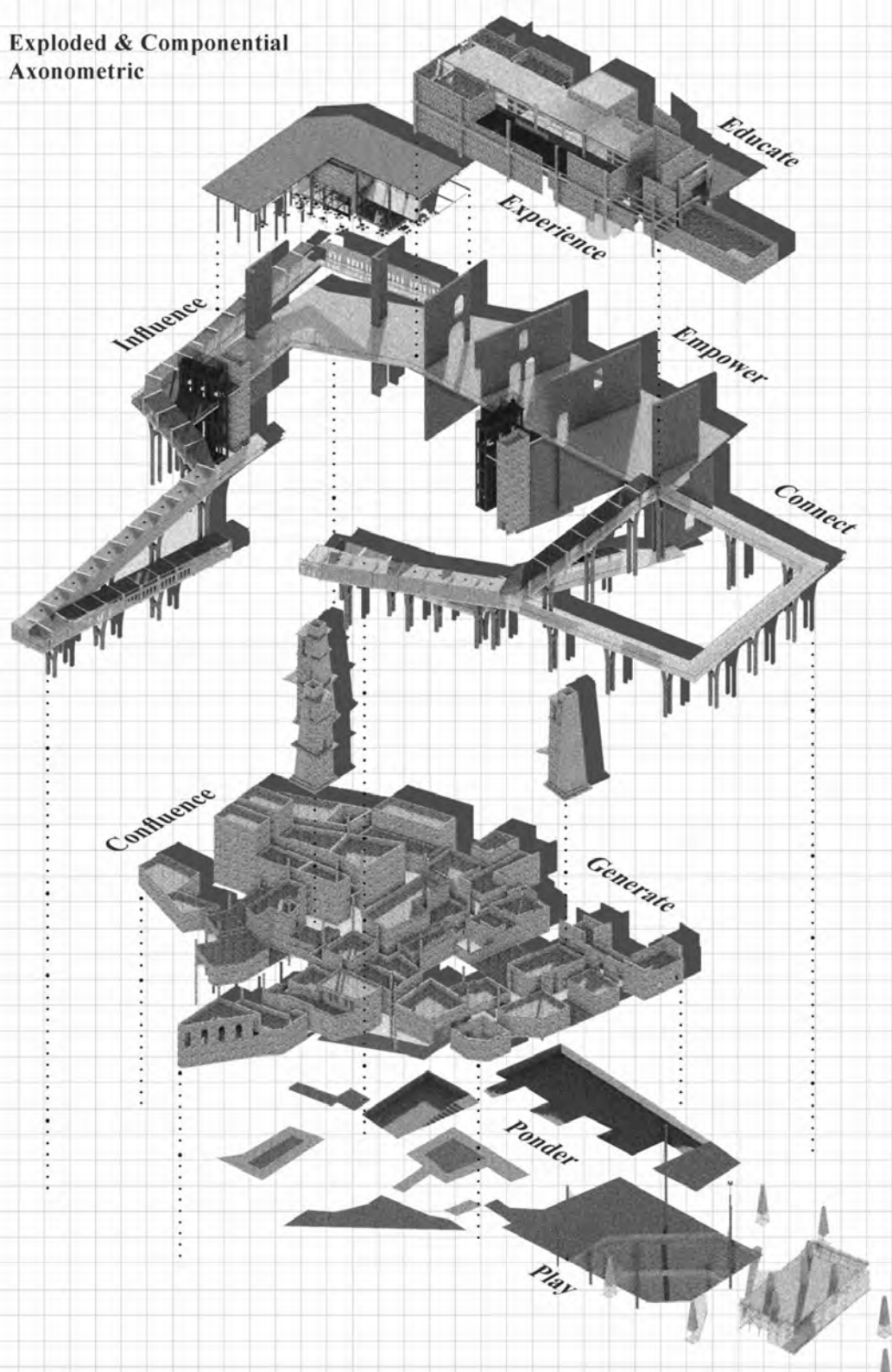


With a series of dispersed spaces jumbled and interconnected across the site, with the intention of evoking our senses, how we usually hear, touch, see, or navigate will greatly impact our perception, experience, and sense of place. The form representation is derived from the ideation of neglected society empowerment and acting as a 'safe haven' for the blind and deaf society, their territory where they are needed, supported, qualified as a part of social fabric and able to strive both economically & socially

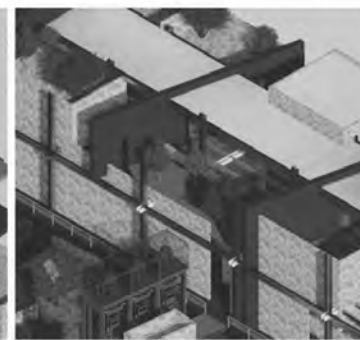




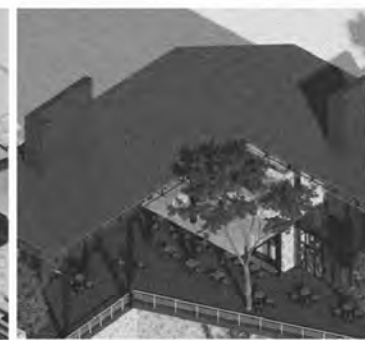
**Exploded & Componential
Axonometric**



Box of Voices & Wonders



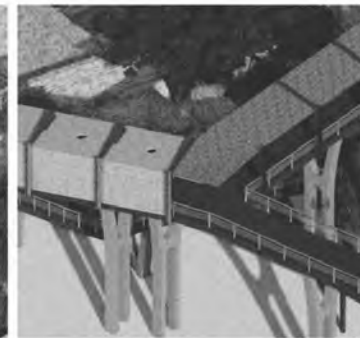
Classrooms



Cafeteria



Acoustic Chamber



Theater Bridge



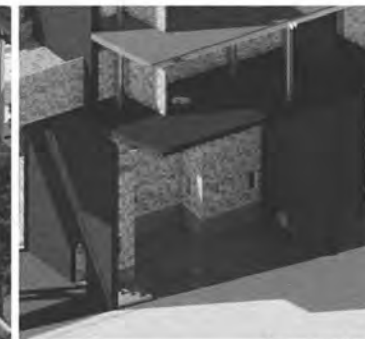
Pole of Voices



Converge Tower



Lift Core



Serenity Pool



Theater of Senses



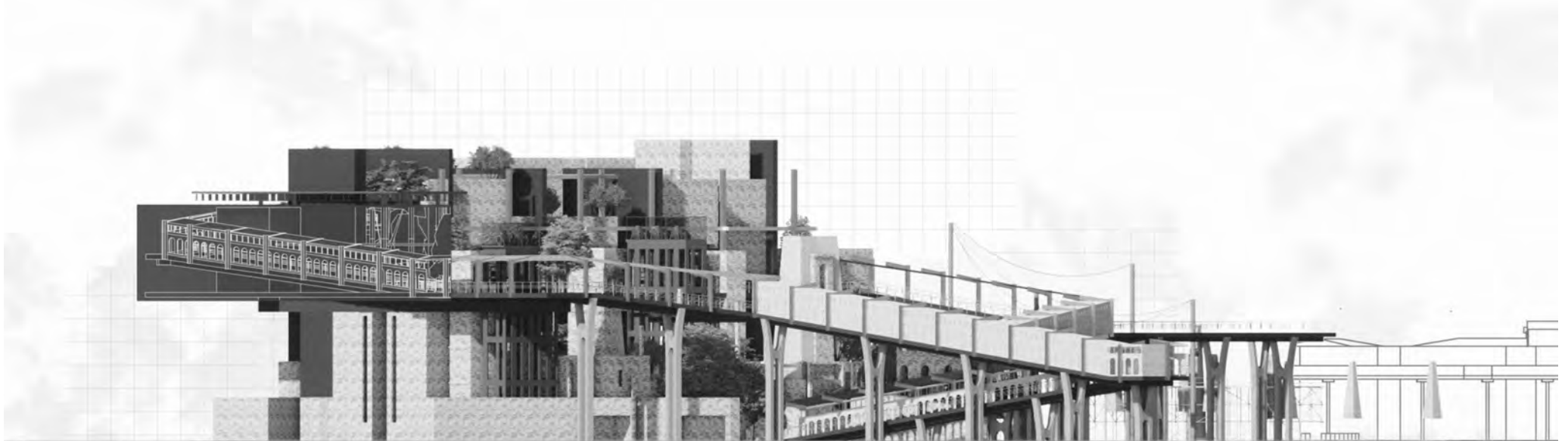
Service Spaces



Hidden Bridge



Elevation NW
Scale 1:250

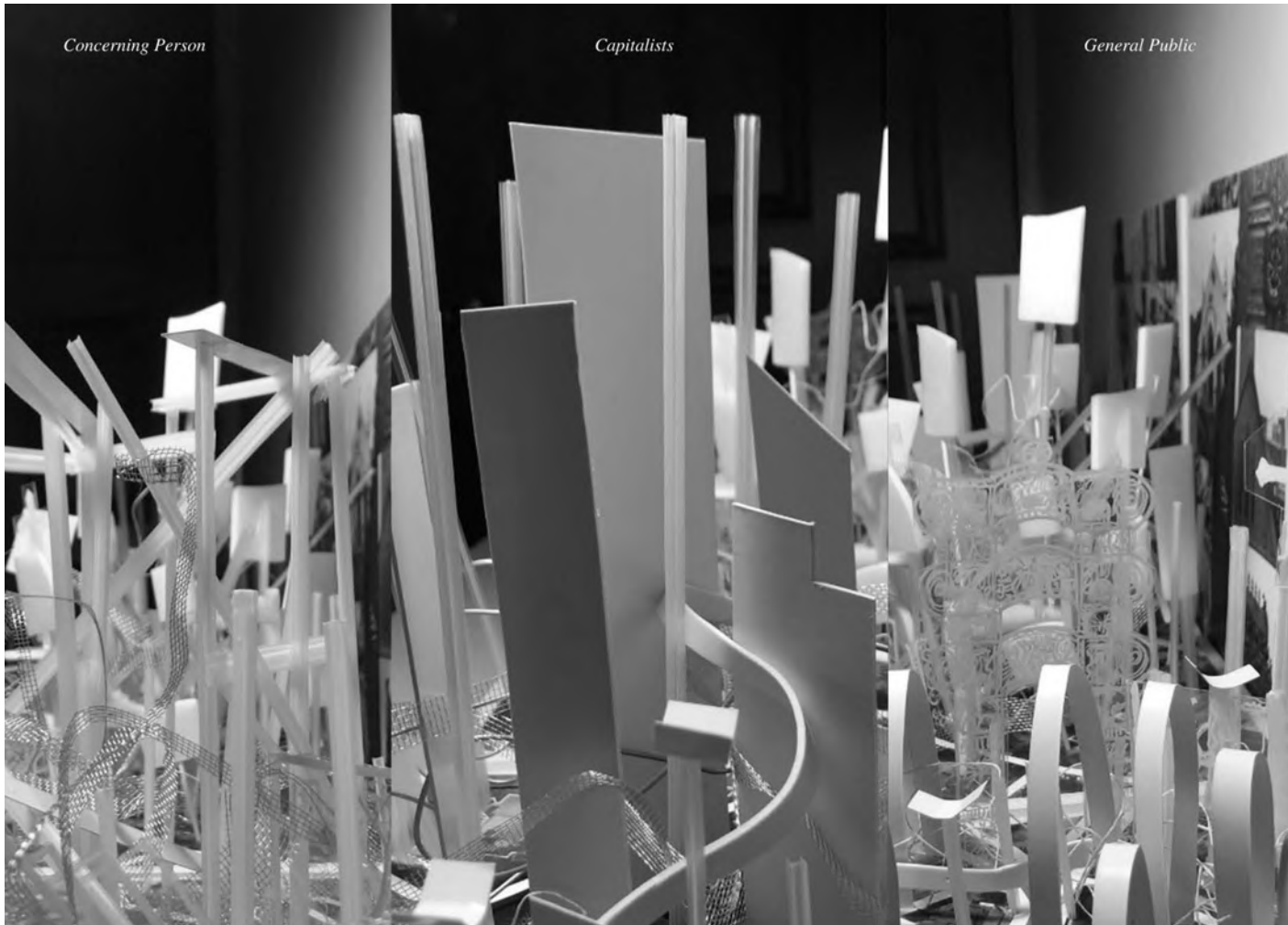


Elevation NE
Scale 1:250

CONFLUENTIAL ENCOUNTERS

The design intention prioritizes the vocabulary of impermanence and adaptability. The approach seeks to create new districts and pathways within the Brickfields context, forming a versatile and temporary space capable of accommodating the transience of the area. The primary circulation path is the public loop, around which specific programs are integrated. These spaces have the potential for physical transformation and robust spatial functionality.

Instead of imposing a new architectural form, the approach aims to enhance existing programs, bridging gaps, and providing what Brickfields needs while empowering the community. The public loop is introduced with solid structures and courtyard spaces, seamlessly interlocking with the loop to create a comprehensive and unified journey.



Concerning Person

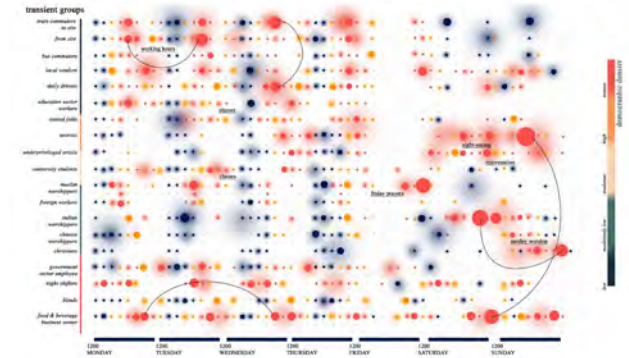
Capitalists

General Public

THE ELEMENT OF TRANSIENT

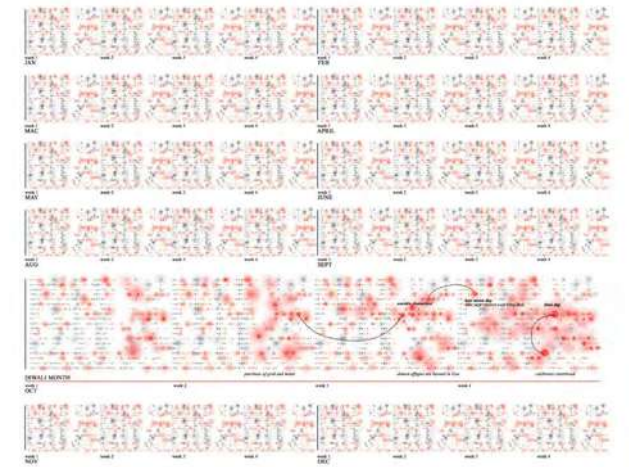
a balanced society where the new and the old have a peaceful association

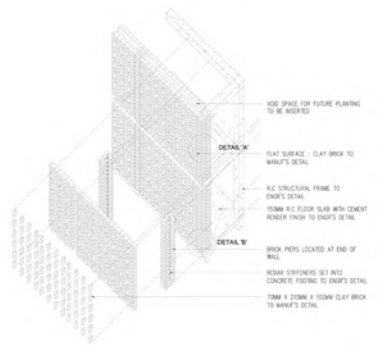
Throughout the psychogeography journey, part of the experiences including witnessing the demography changes based on different times of the day. Commuters staying or working in brickfields at a particular time of the day, locals who roam around the area during the day, or tourist seeking for hidden gems at night. People who practices different religious practices will also appear at a specific time of the day or specific day of the week for rituals. These transients are the key element that completes Brickfields as a whole. Such intriguing scene can still be seen vividly despite all the rapid developments that are taking place right now.



TIMELINE

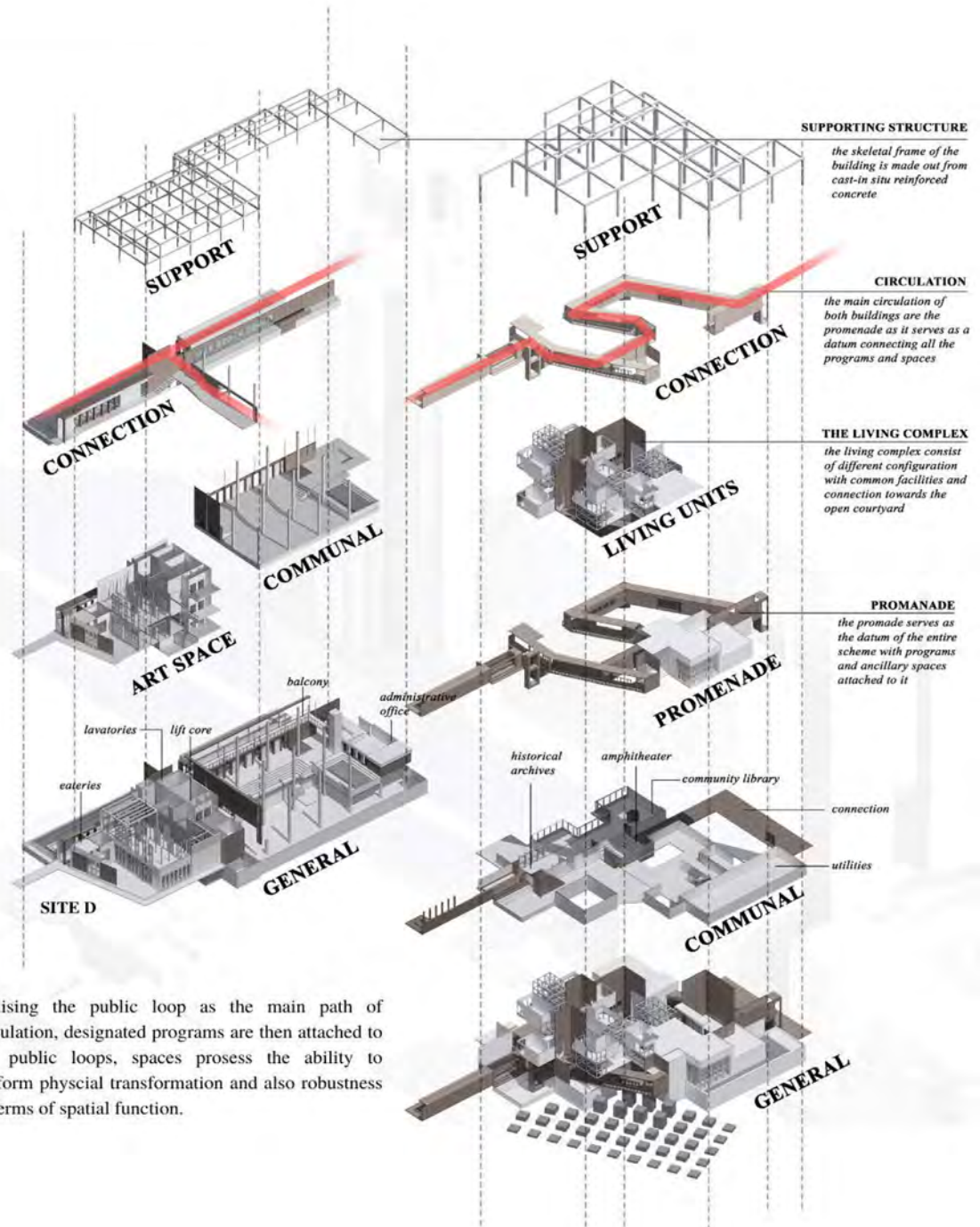
a year of transcendence





COMPONENTIAL AXONOMETRIC

expression of building strategies



Utilising the public loop as the main path of circulation, designated programs are then attached to the public loops, spaces possess the ability to perform physical transformation and also robustness in terms of spatial function.



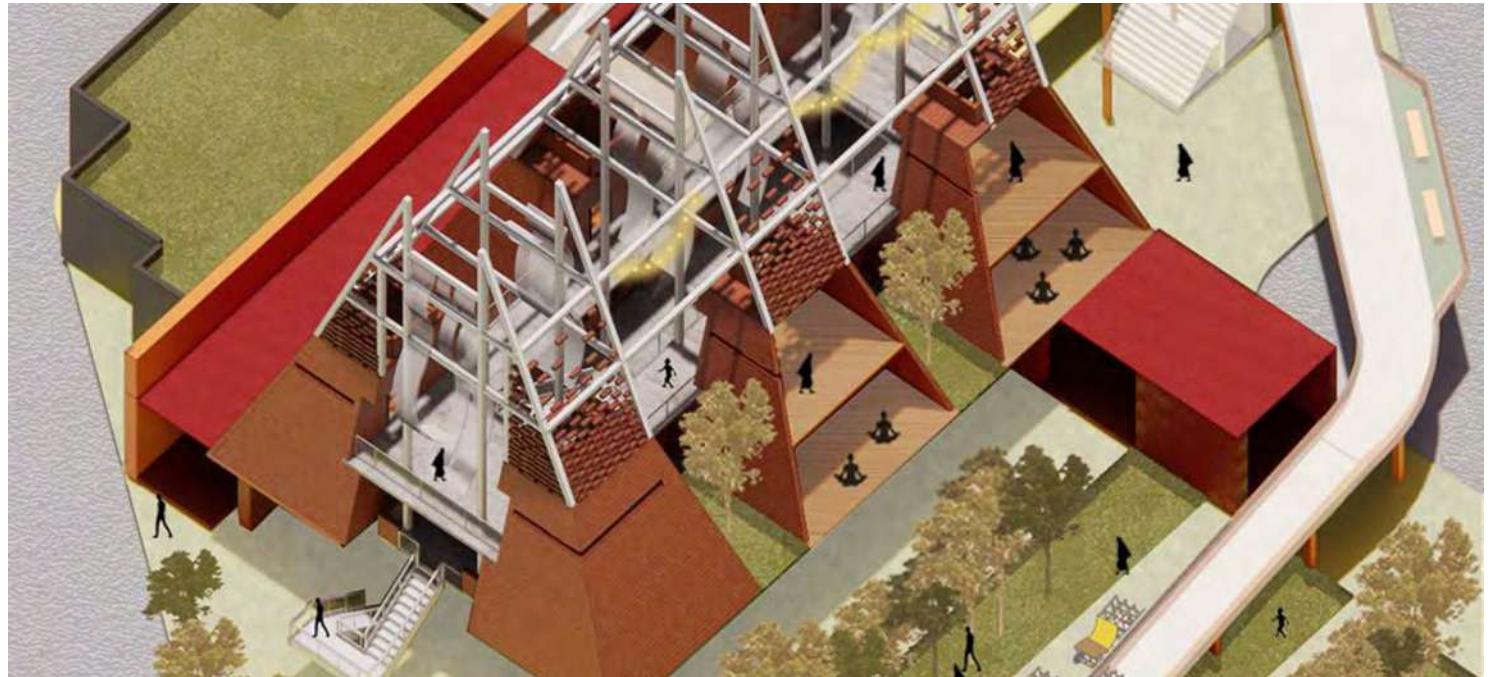
NORTHEAST ELEVATION
SCALE 1 : 200 *SITE E*

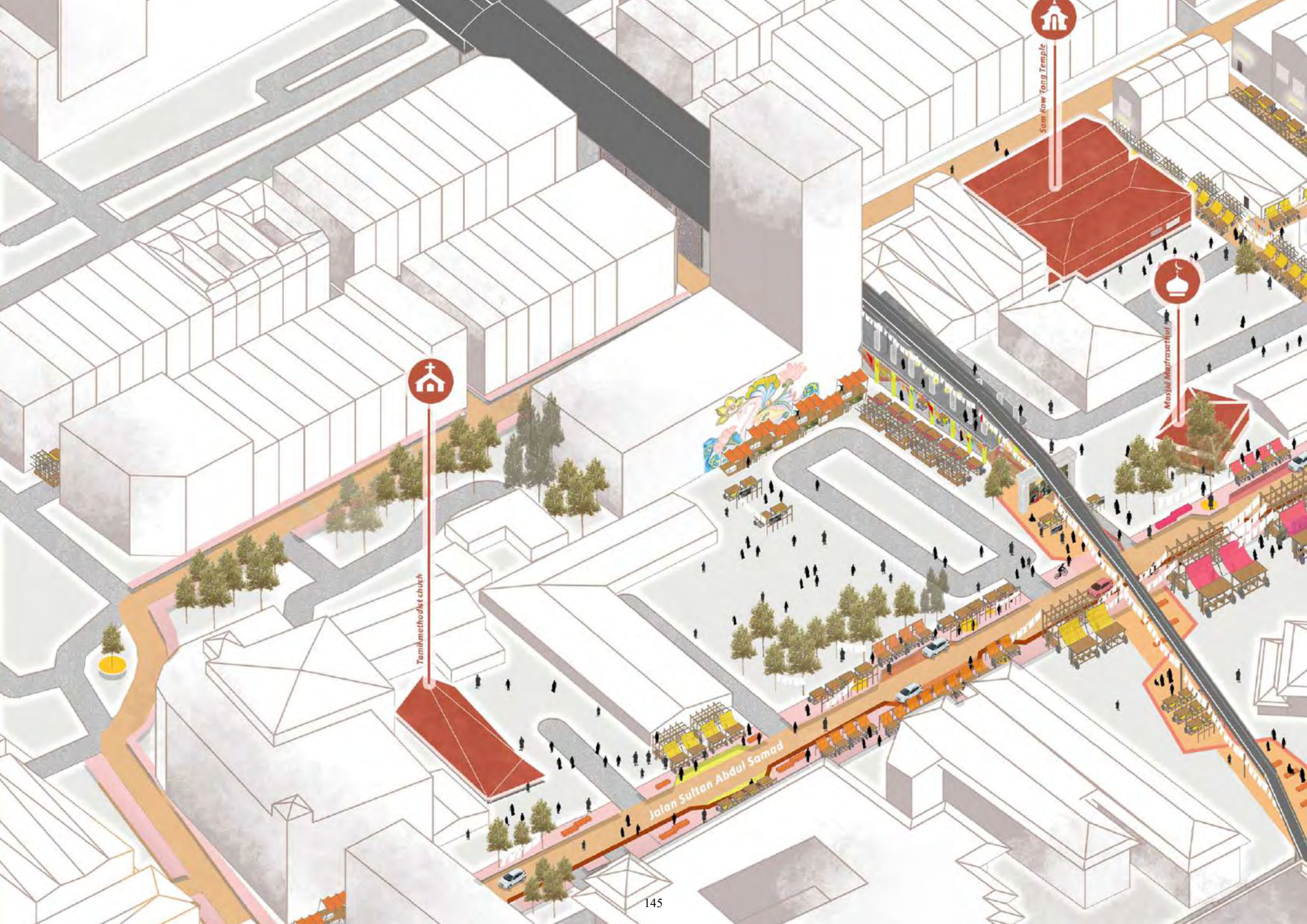


SOUTHEAST ELEVATION
SCALE 1 : 200 *SITE E*

BRICKFIELDS THEATRE OF SOULS

The design intention is to neutralise religion and provide a spiritual anchor of the mind, body and soul through meditation and educational platform for the communities, specifically younger generations in Brickfields. One has to have deeper understanding of different races, religion or ethnicity to respect the idea of individuals belonging into a different cultures.





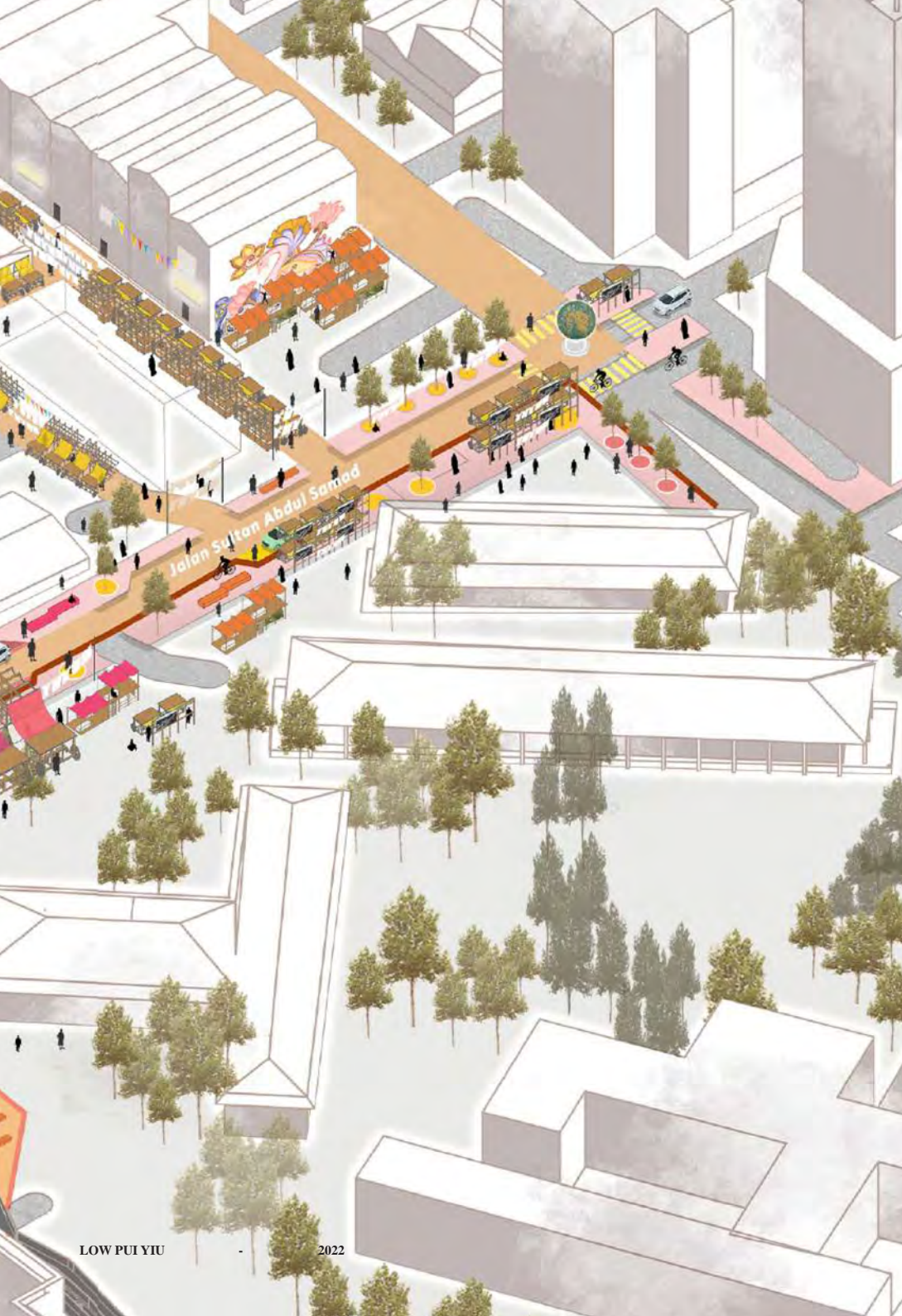
Tamil Methodist Church



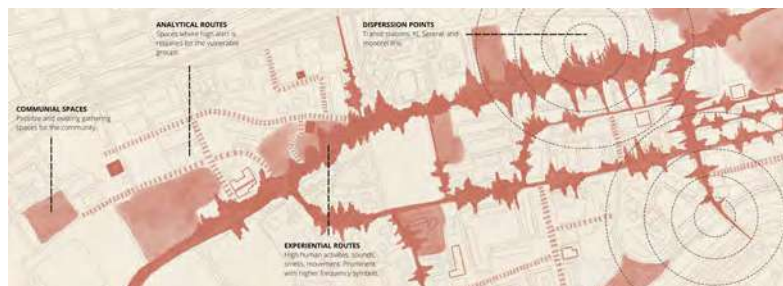
Sam Kow Yang Temple



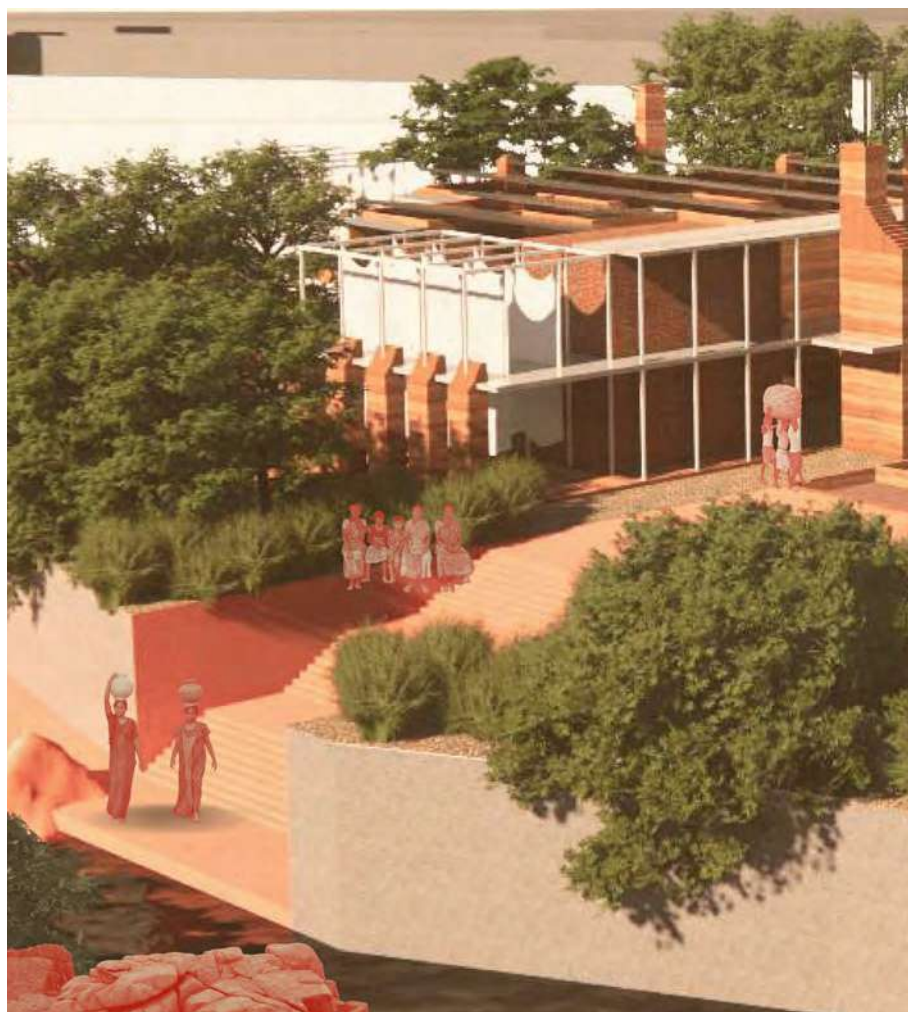
Masjid Al-Muhsinin



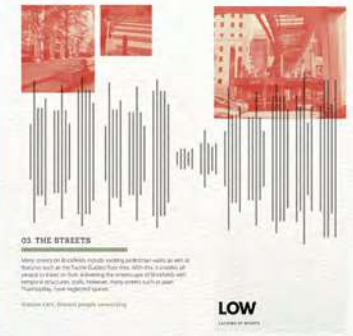
CHIMES

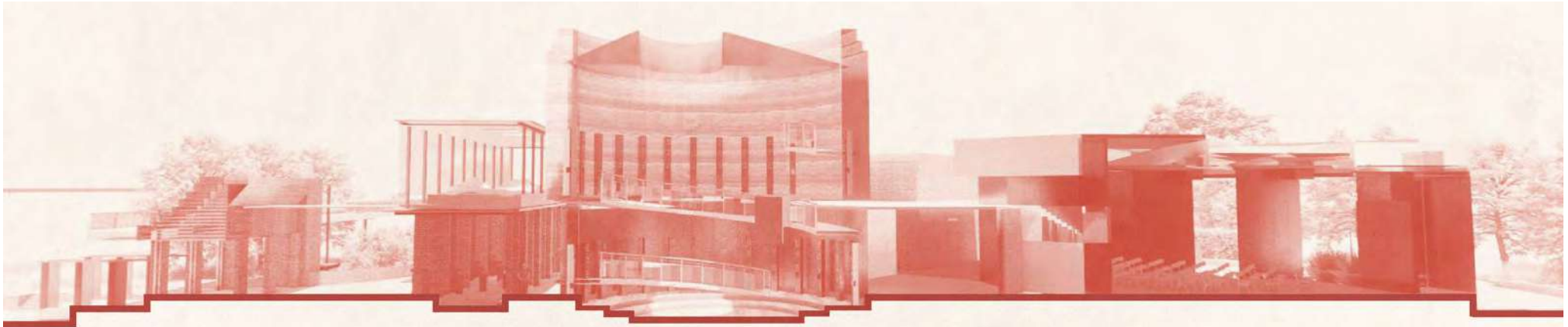


The concept behind Chimes derives its name from Project 1 and serves as a significant navigational aid for vulnerable and exposed groups within the site. It operates as a passive invitation for pedestrians to engage in a fresh perspective of understanding Brickfields through the project's primary program, the Invigorative Centers. Consequently, this approach aims to revitalize the characteristics of vulnerable groups, thereby revitalizing the identity of Brickfields, and vice versa.



Data gathered from on-foot exploration in and around Brickfields, including interviews and conversations with local vulnerable groups, was organized and diagrammed. The collected data was then analyzed to identify similarities or areas requiring intervention from privileged groups. This information was utilized to create programs essential for urban mapping, addressing the specific needs and concerns identified through the exploration process.





To accommodate more pedestrians and a larger amount of people, floor levels are more uniform. Spaces are more enclosed to provide shade and AC rooms.

SECTIONAL PERSPECTIVE SITE E

KURAINTA குறைந்த THE INTROVERTED

1

EXPERIMENT
GLASS ORBS MEANT TO STORE MEDICINAL HERBS OR HEALING QUALITIES, A TEACHING SPACE FOR VULNERABLE.

2

REST
ARCHIVAL UNIT FOR INCENSE SPICES AND OILS FOR INTERACTIVE USAGE AND PRESERVATION

3

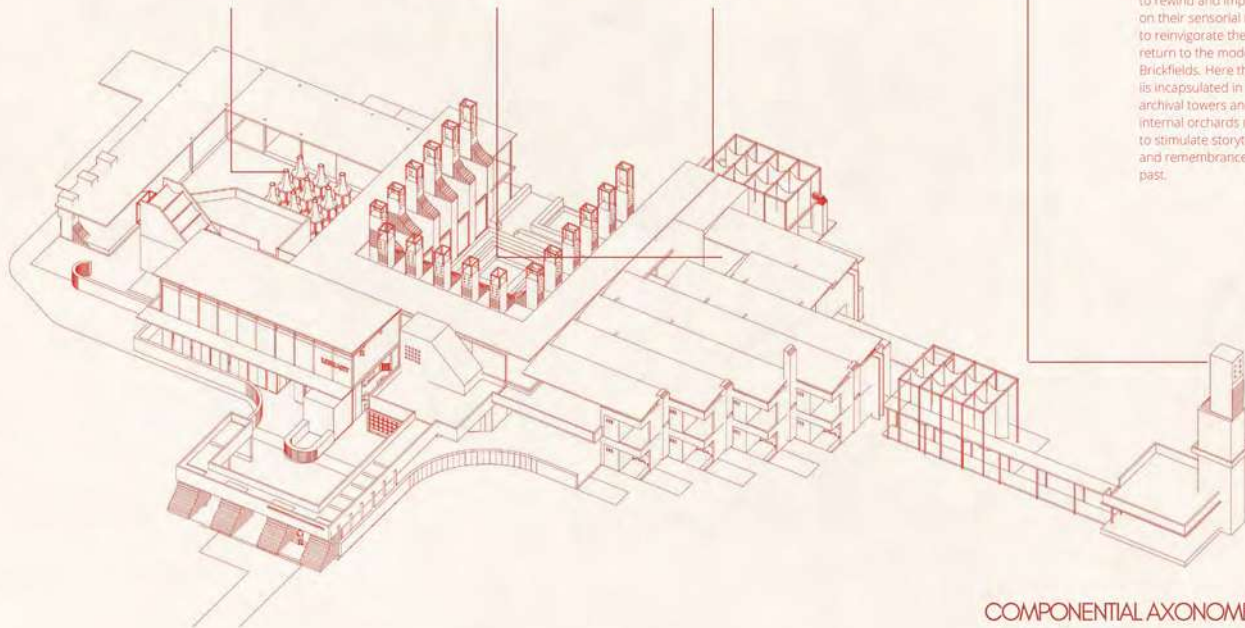
INVOLVE
ENGAGEMENT WITH INCENSE FRAGRANCE AND ORCHARD TREE CANOPY FOR FRUIT COLLECTION

4

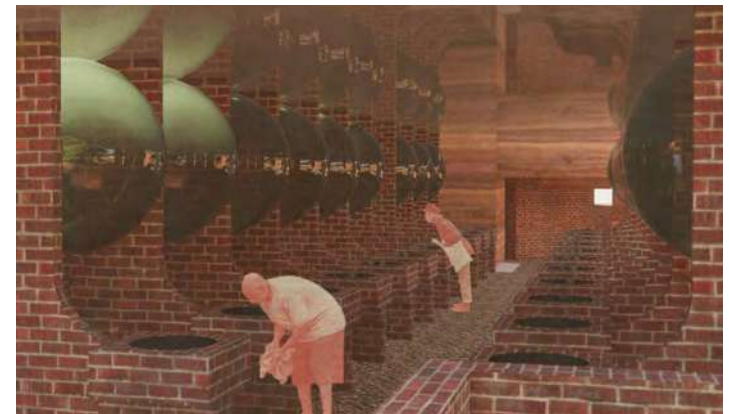
SHARE
INSPIRED BY 100 QUARTERS, AIMS TO ACCOMMODATE FAMILIES OR OPEN TO ALL.

FOR THEM

This Series of the Invigorative centers, acts as the Base, where the Vulnerable groups come to unwind and improve on their sensorial needs to reinvigorate them to return to the modern Brickfields. Here the past is encapsulated in archival towers and internal orchards meant to stimulate storytelling and remembrance of the past.



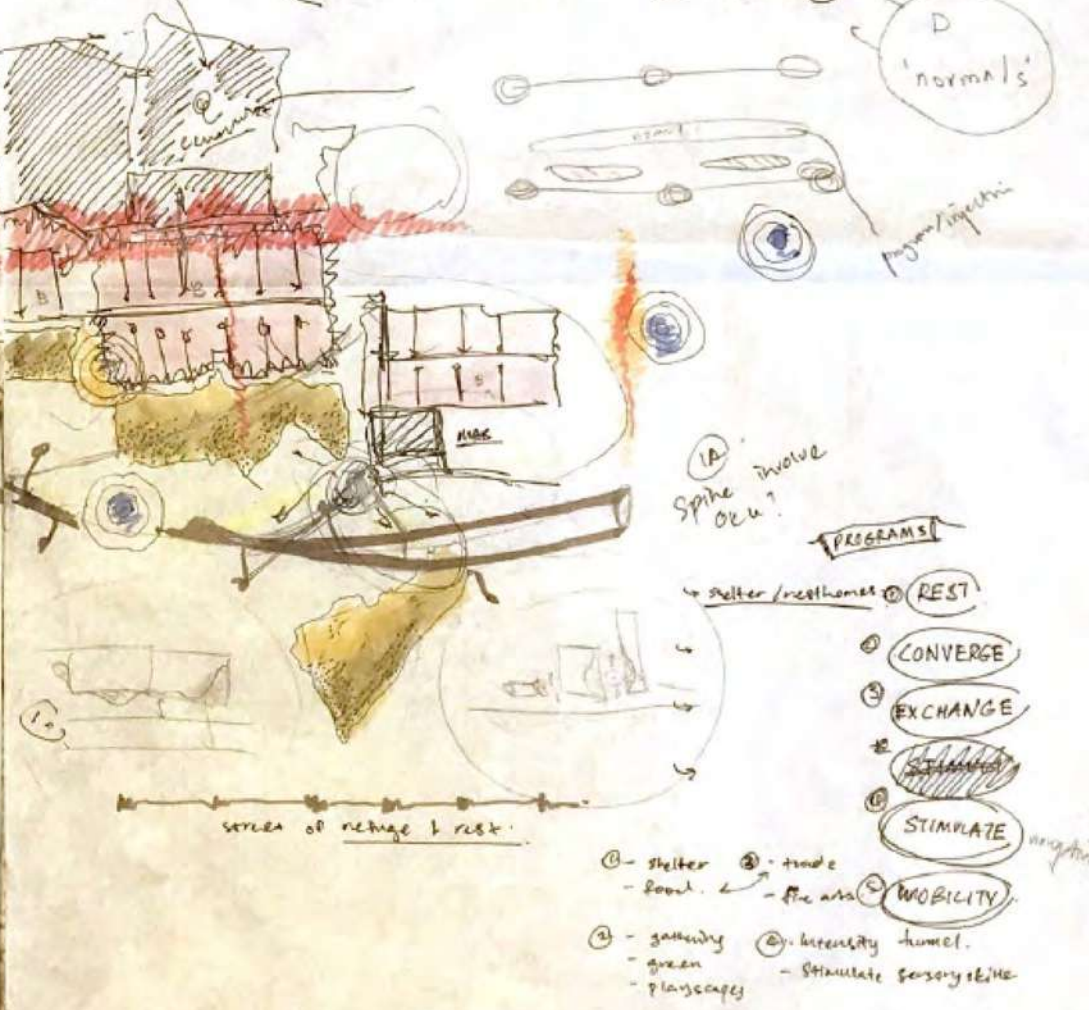
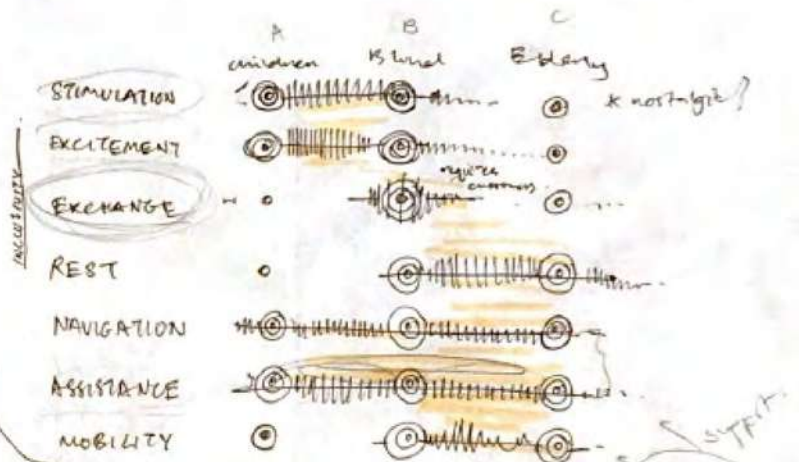
COMPONENTIAL AXONOMETRIC



* Tuesday

- Programs Analyse
 - Integration of user group (common) to support programs.
 - Scale of programs (1+2?; 1+1+3?) (use better ppr layers.)
 - put into urban map.
 - put spine in map?
- relate to story? books?
- * can't be new everything - use existing (improve) - for benefit of user group.

1a - define the extension of body?



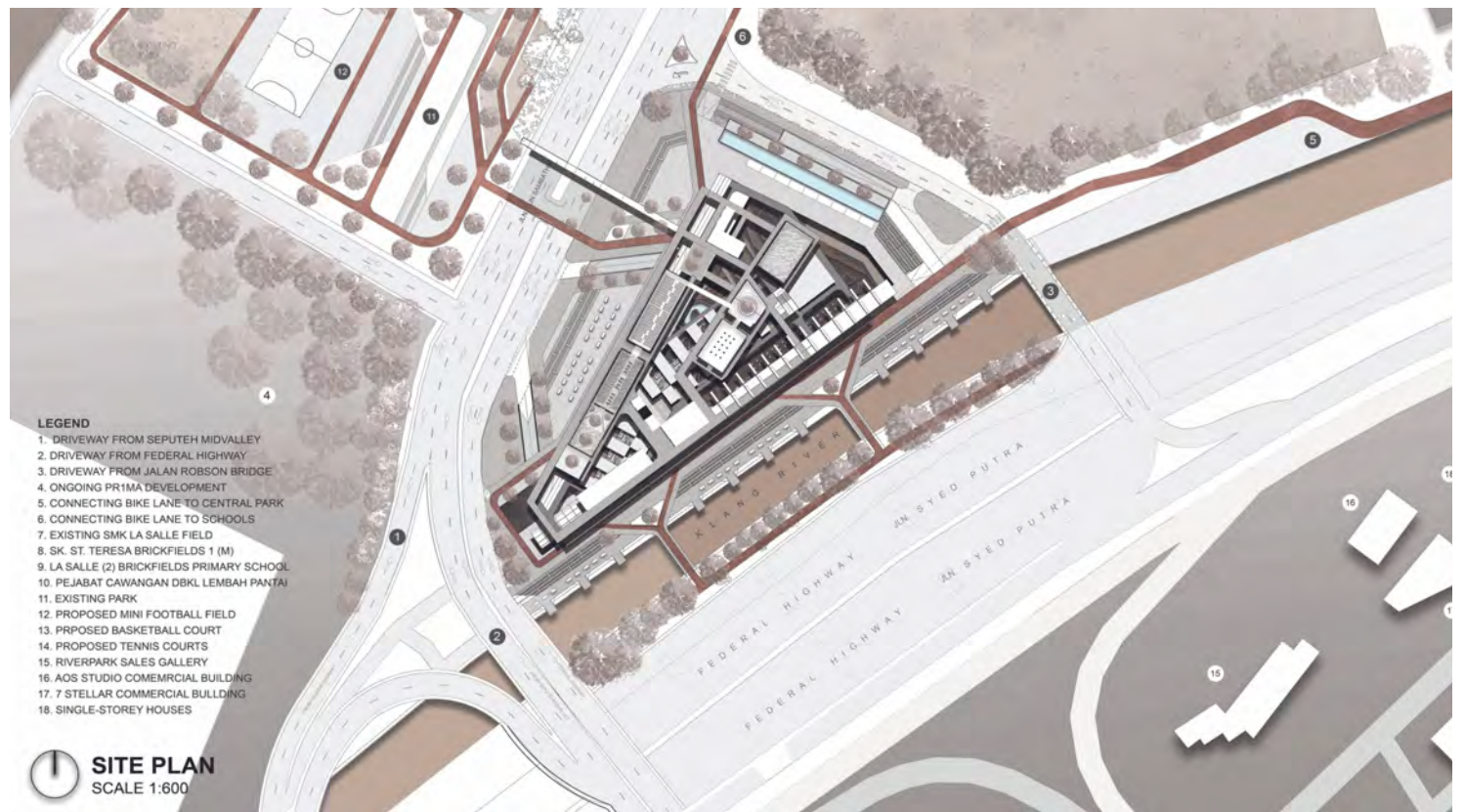
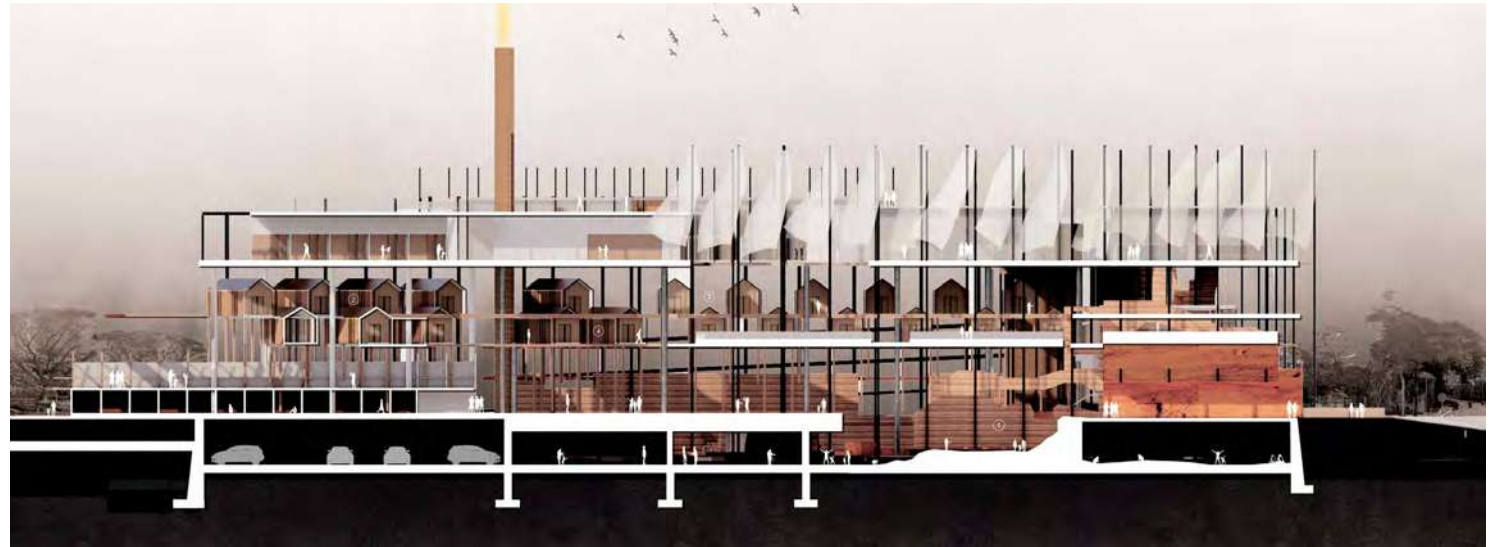
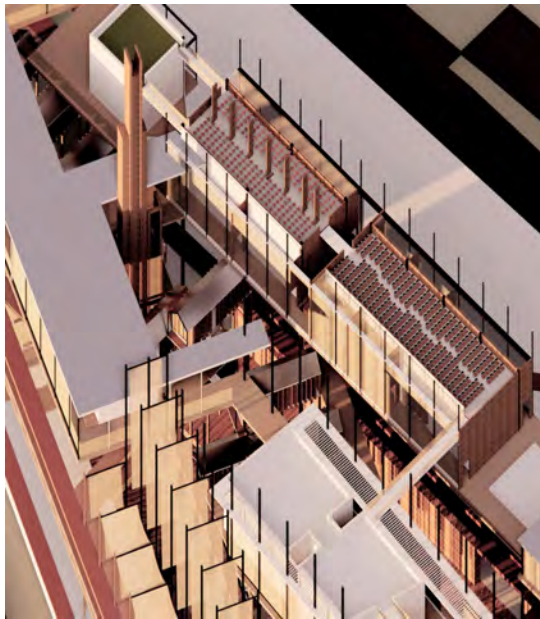
FRANGIBLE 15: SCHOOL OF COUNTER- HEGEMONY

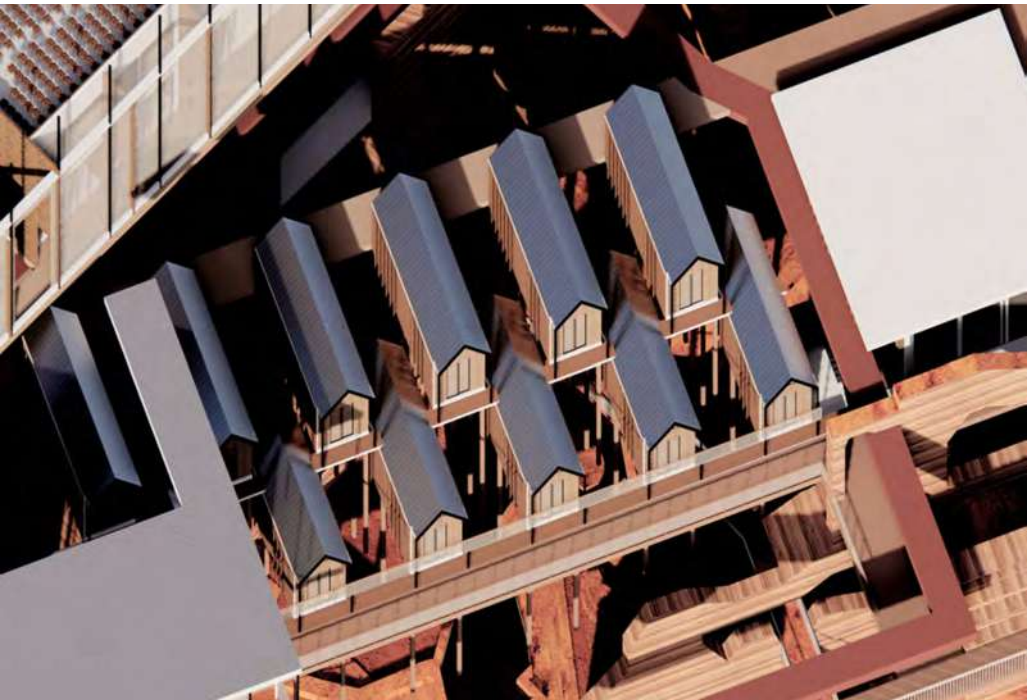
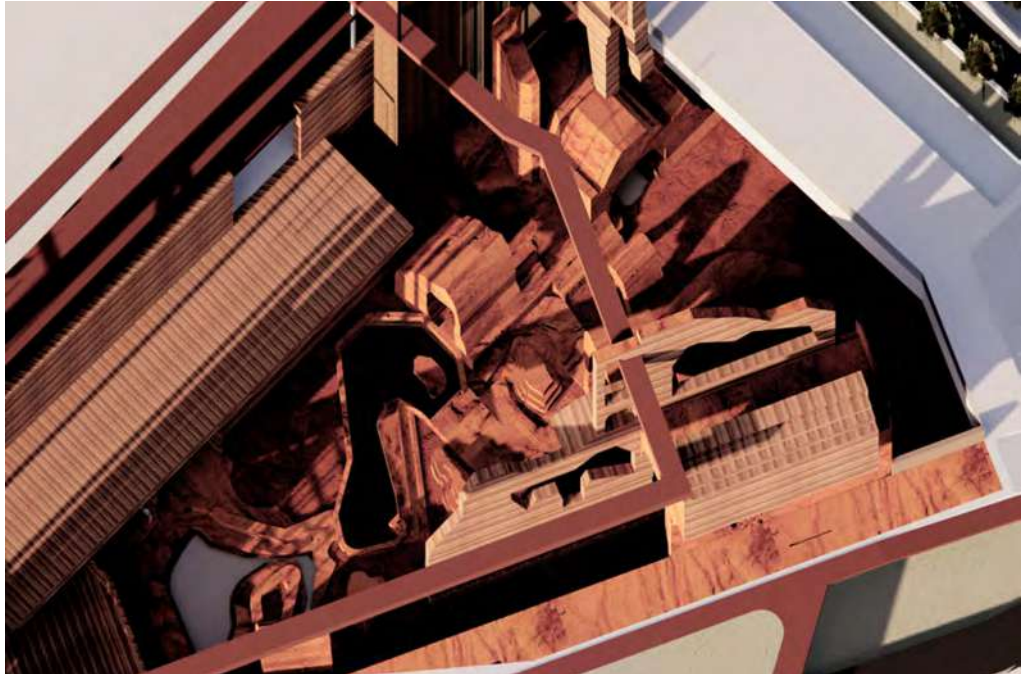
Learning of the past through public play - Establishing cognitive experience in public play as homage to the brick industry in Brickfields
Fostering community participation and engagement - Encourage community participation through experiential play, social gatherings, skill transfer workshops and building design.
Acknowledgment towards local identity and culture - By providing safe spaces for communities to showcase their skills, cultural heritage, to interact and hold cultural events as a community in whole

Opportunities for the unseen talents - By offerings Artist's Residence program and mentor-mentee sessions to uncover hidden talents and help foster stronger connections between artists
Brickfields as site learning intervention - By establishing heritage trail that is part of the school - bringing visitors/ kids out for a discovery within the historic Brickfields
Raising Awareness to the forgotten industrial heritage - Awaken the brick kilns and railway memories of Brickfields that is unknown to the younger generation through symbolism within the city

Soil to Sky

Of brick making to locomotives and the absence of which...
Brickfields is dying a man made death at the hands of instant gratification, with cash cows building frantically on the city's fragile 'banana leaf'. What is the past that made the present?

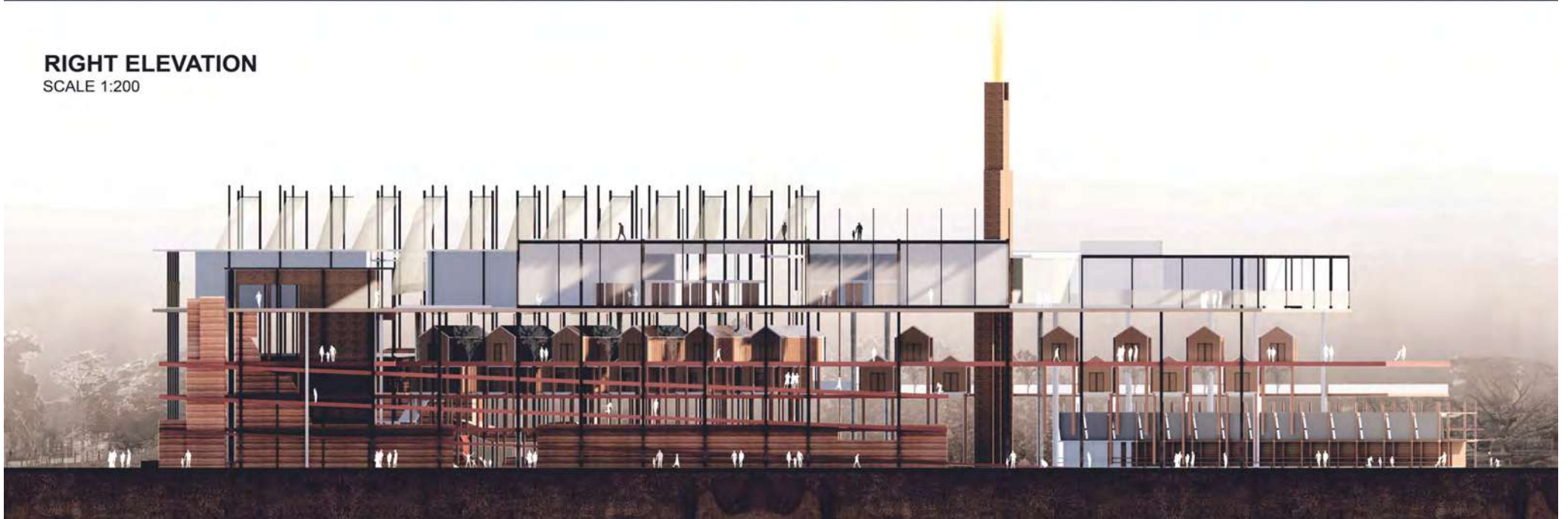




FRONT ELEVATION
SCALE 1:200



RIGHT ELEVATION
SCALE 1:200



POWER OF THE PEOPLE

The typological (and programmatic) aspects of the main project will differ from each student. This is dependent on the outcome of each individual and collaborative studies initiated from the narrative, planning strategies, and building strategies. The collective process of approaching this project shall define the formulation and articulation of each individual student's final project brief. Through a dichotomy of approaches, the primary focus of this project remains to focus on Community Empowerment.

Empowering a/the community can be seen in many senses. Empowering a community may be approached by many means such as acknowledgment, educational/skills, psychological, physical, economic, political, enabling the disabled, and many others. Identifying the community, its associated issues, and understanding why the need to empower them is the root to any formulation moving forward.



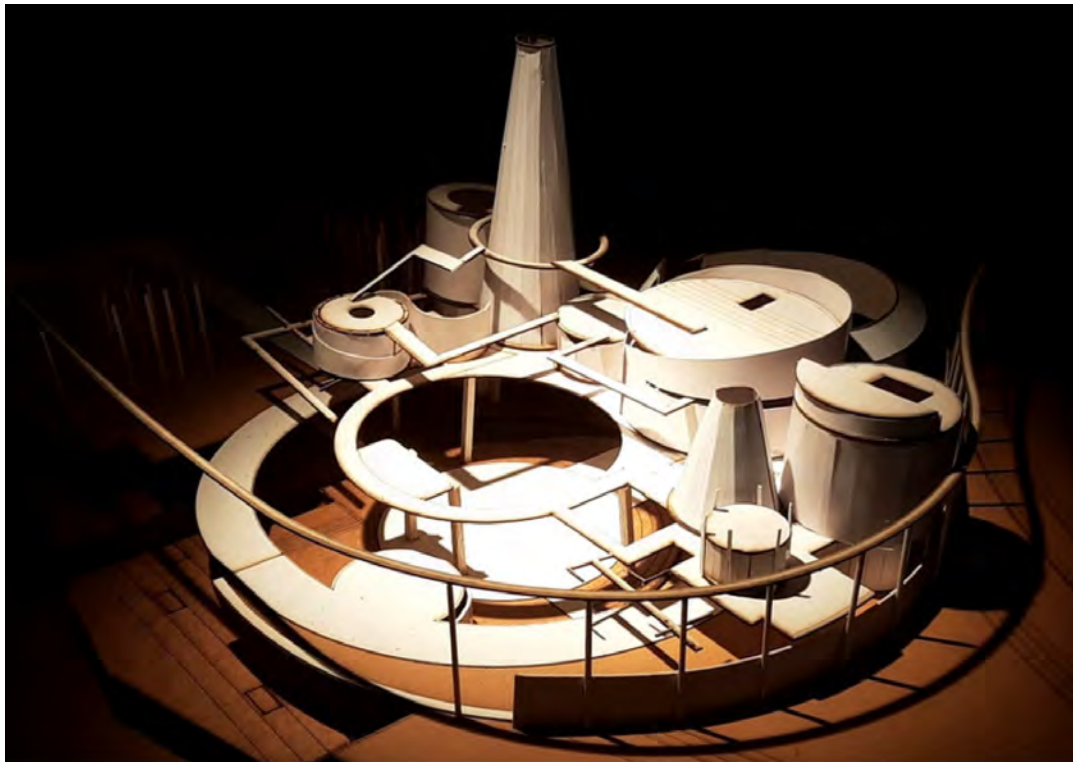


TOO KAR YEE - 2022

Brickfields is home to a tapestry of communities ranging from the descendants of the original industrial-era citizens to the commercial/religious communal transients, the younger generation demography of the schools, and Brickfields is also synonymous with being the urban-scape of the blind and (potentially) the deaf community. Each demography has their stories; every community has their issues. These stories and issues pose different sentiments and demand different methods to be approached.

Therefore, the response towards the primary research done, and intent are crucial towards creating a relationship between information at inter-relatable scales.









Papan Perak

Scenes From A Memory

Scenes From A Memory

Bakhtiar, Ar Bobby Low, Yean Tuck Leong, Dr Micheal Gibert

Keywords :
hunter gatherers | nomad / vagabond | earth emotions | topophilia / biophilia | psychoterratic | symbiocene forest | anthropogenic | strategic operative mechanisms | social inclusions | permanence vs impermanence

The site

Located beyond the peaceful fringes of Ipoh and Batu Gajah, resides a little village with a very articulated past. Stories of the former riches, Royalty, battles, torture, sacrifices, secret societies, and even radioactive substances are intertwined among its deteriorating shophouses and abandoned streets. Perhaps, one of the most fascinating ghost towns in Perak. Pekan Papan has a great and glorious history to unfold.

Papan's Old Town is a humbling reminder of the complexity of Malaysia's past and how far our diverse society has progressed. Sadly, today's rows of its buildings mimic virtual tombstones of its almost forgotten glory, only being traversed by the regular townspeople and nearby farmers. Papan was strangely left behind and steadily disappeared from the public's consciousness, unlike many other mining towns in Perak.

Without the attention and acknowledgement it rightfully deserves, this sleepy village will eventually vanish, leaving only its name and its memories in our historical records.

Theme 1

Architecture Of Commemoration - Edith of Malaya

Papan's historical legacy includes the brave actions of Sybil Kathigasu, a resistance fighter and nurse, and her husband Dr. Abdon Kathigasu during World War 2. They provided medical aid to the Malayan People's Anti-Japanese Army and Force 136 operatives, facing arrest and brutal torture by the Japanese military police. Despite enduring severe suffering, Sybil remained steadfast in not disclosing information about the resistance.

After two years of imprisonment, Sybil Kathigasu passed away in 1948 due to injuries sustained during captivity. Both Sybil and Dr. Kathigasu were posthumously honored for their heroism. The clinic they established in Papan stands as a monument to their courage.

The theme explores how specific events and memories shape a place's identity. It delves into paying homage to familiarity, historical significance, nostalgia, association, and affinity, contributing to Papan's cultural heritage and empowering the community. This exploration aims to formulate programs and interventions through commemorative means.

References: "No Dram of Mercy" by Sybil Kathigasu, "The Thinking Hand: Existential and Embodied Wisdom in Architecture" by Juhani Pallasmaa.

Theme 2

Social Empowerment

The UNESCO (1972) convention on world heritage defined cultural heritage as the combination of material manifestations, living expression, and the traditions of the communities. Papan is the earliest among the 15 mining towns in Kinta that evolved during the 'tin rush' and its expansion era back in the 1880s until the 1900s. The formation of the former tin mining towns has contributed to the enrichment of their cultural heritage value, stemming from distinctive history and the character of their townscape and architectural features. These towns were opened during the colonial period for the purpose of tin mining activities.

The significance of industrial mining heritage to local culture and social values is profound. Investigating the history, cultural heritage, traditions, customs, and way of life of those living around the mining site for centuries becomes crucial. Previous human activities and behaviors, such as limestone quarrying and tin mining, impact environmental sustainability and its geophysics. The extraction of natural resources and its radical or irretrievable consequences affect land topography permanently, creating mining ponds, agriculture, prawn farming, with implications for the economy, society, and the environment.

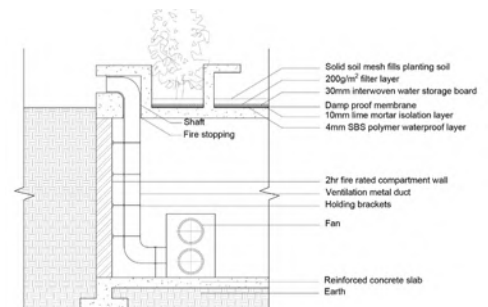
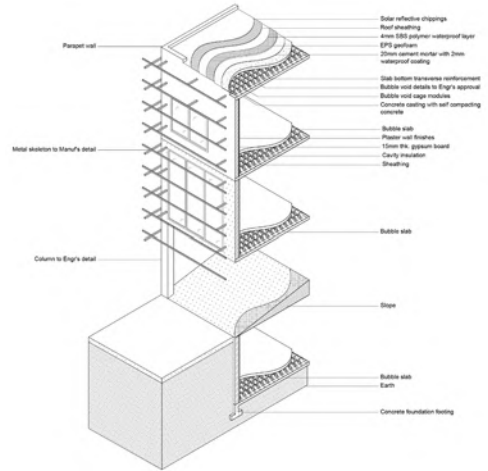
Being one of the most significant influences on the morphology of Papan township, from its appearance to its disappearance, this theme will explore and acknowledge the aspects of industrial heritage and its effects on the locality. It aims to formulate potential programs and typological studies to be capitalized for the purpose of community empowerment. References: "My Journey into Perak, Mining the State History" by Azrai, "Inhabitable Infrastructures" by CJ Lim, and "Ironic Diversion" by Masahiko Yendo.

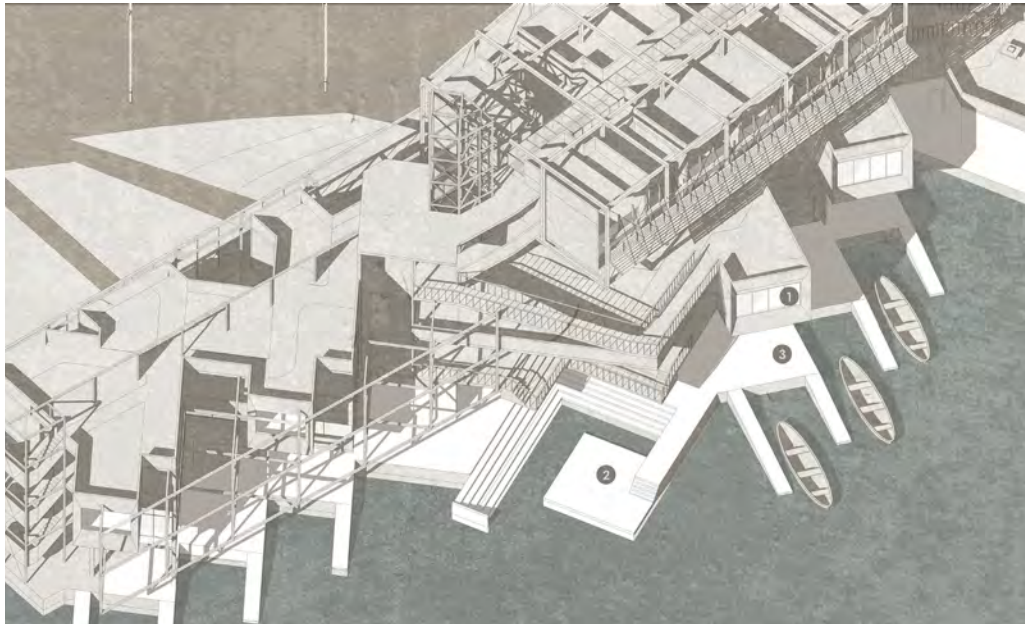
THE BOHEMOTH UPRISING

The proposed building, The Behemoth Uprising, is a cultural center in Papan designed to seamlessly integrate the town's rich industrial history with modern architecture and materials. The center is intended to serve as a cultural hub for the community, showcasing Papan's past, present, and future through maker-space and various artistic yet educational exhibits. The building's design draws inspiration from the town's mining industry, incorporating industrial elements of ore extraction and refinement into the structure. The building features a steel structure frame. The main programs are woodworking and metalworking workshops, exhibits, and artist residency program.

The materials used in the workshops are sourced sustainably from local forests, with particular emphasis on trees with burl and spalt. The use of sustainable materials serves to highlight Papan's commitment to environmental conservation while also creating a sense of warmth and authenticity within the building's design. A furnace is designed for metalworking studio for the users to carry out their project from melting to casting. The center's outdoor spaces include a rooftop garden (The Rolling Hills), slope garden, amphitheater, and water features, all designed to reflect Papan's history and natural beauty. A canoe dock on the lake directly acknowledges the town's relationship with water transportation and recreation. Overall, the proposed building is intended to be a beacon of creativity and community engagement, a place where Papan's past and future can come together in a beautiful and meaningful way.







1 The Rolling Green 2 Bridge connecting accommodation lobby (2F) to 3F accommodation 3 Story Tinker (Mini Cinema) 4 Lift Core



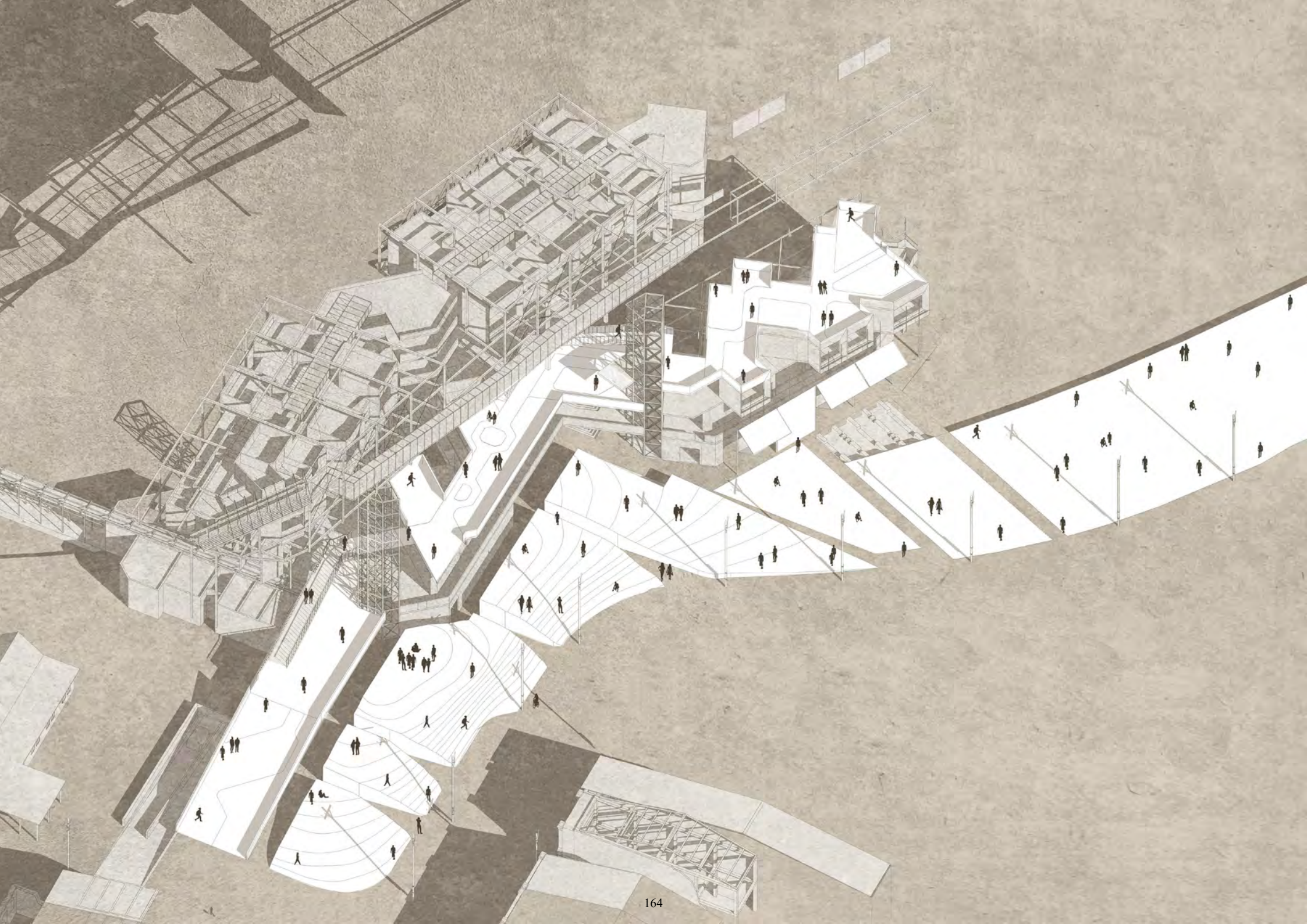
1 **School of Liquid Burls**
An arts & crafts workshop equipped with age-appropriate tools & materials that offers a range of hands-on activities and workshops specifically tailored for children and their families.

2 **The Mettle Stage**
An amphitheater for various artistic disciplines such as music, and spoken word. It offers a striking backdrop blending seamlessly with the surrounding natural environment.

3 **Liquid Tension Experiment Communion**
Consisting of cast metal studio, furnace, lounge, and handknock metal studio, it provides safe and controlled environment for metal casting. Workshops, classes, and demonstration can be held to inspire and educate individuals interested in the art of metal casting.

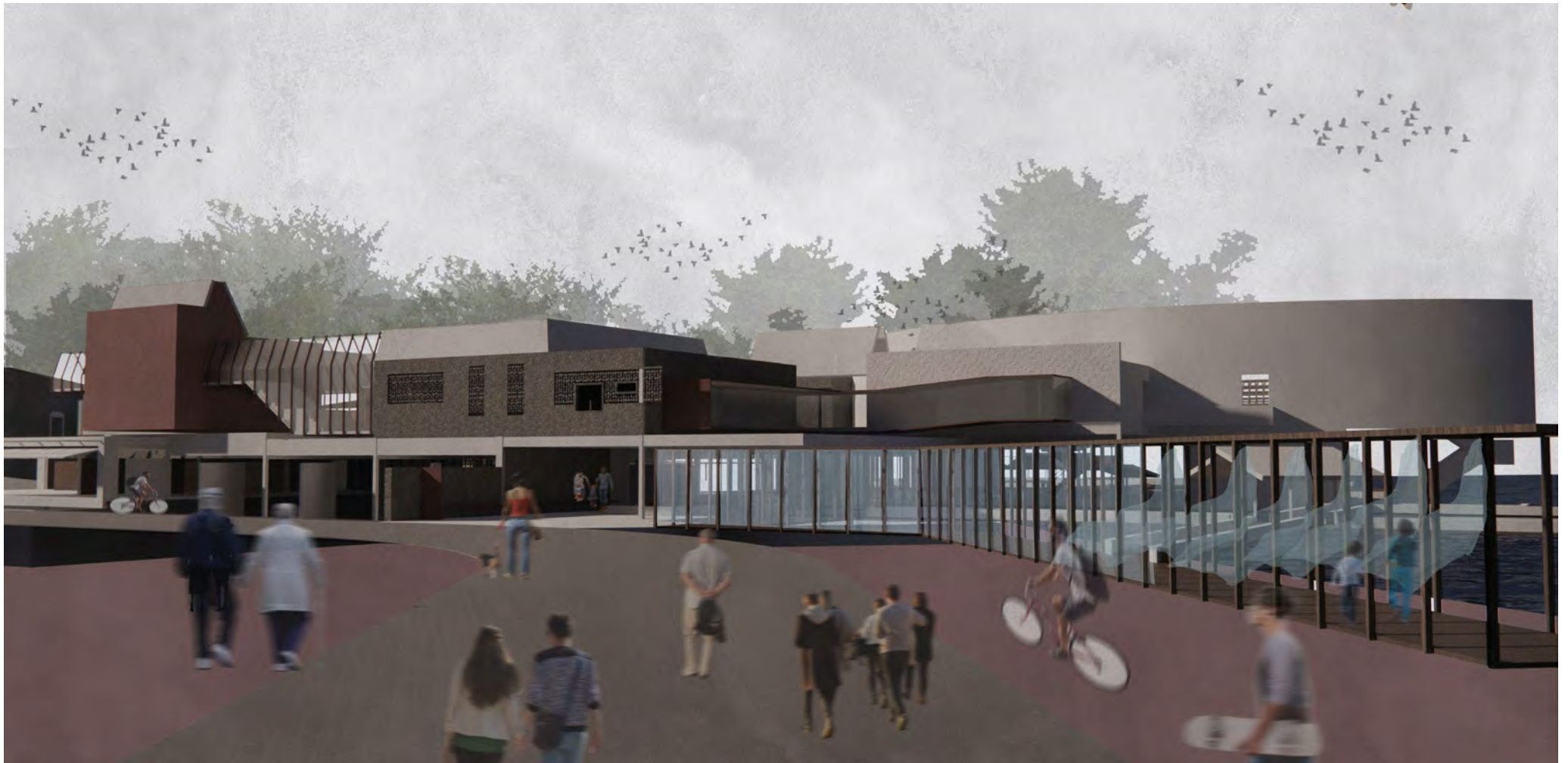
4 **Forest of Burls and Spalls**
A woodworking exhibit next to the makerspace that celebrates the beauty and versatility of natural material. The wood used are sourced sustainably from local forests, with particular emphasis on trees with burl and spall.

5 **Playscape**
A playscape with netting on the steel structure offers a stimulating and inclusive play environment for children. It encourages physical activity, social interaction, and imaginative exploration.



Ji- MULTIPURPOSE COMMEMORATE CENTRE

“The ‘Ji’ is a Multipurpose Commemorate Cen- Just like a novel, it has the beginning, risings, climax, and tre for The Edith of Malaya - Sybil Kathigasu to the ending.
pay respect to the sacrifices of hers towards Papan,
towards Perak, towards Malaysia, For Us. What Beginning - The bazaar curve at the entrance
makes the ‘Ji’ special is that the building itself is Risings - The Flexible ground floor space
coded like a novel which encourages visitors to Climax - Experiential journey of the second floor & the
find out the answer to the story of Sybil Kathigasu commemorate, freedom program
through experiencing the spaces in the ‘Ji’. Ending - The commemorate, freedom, ending curve”



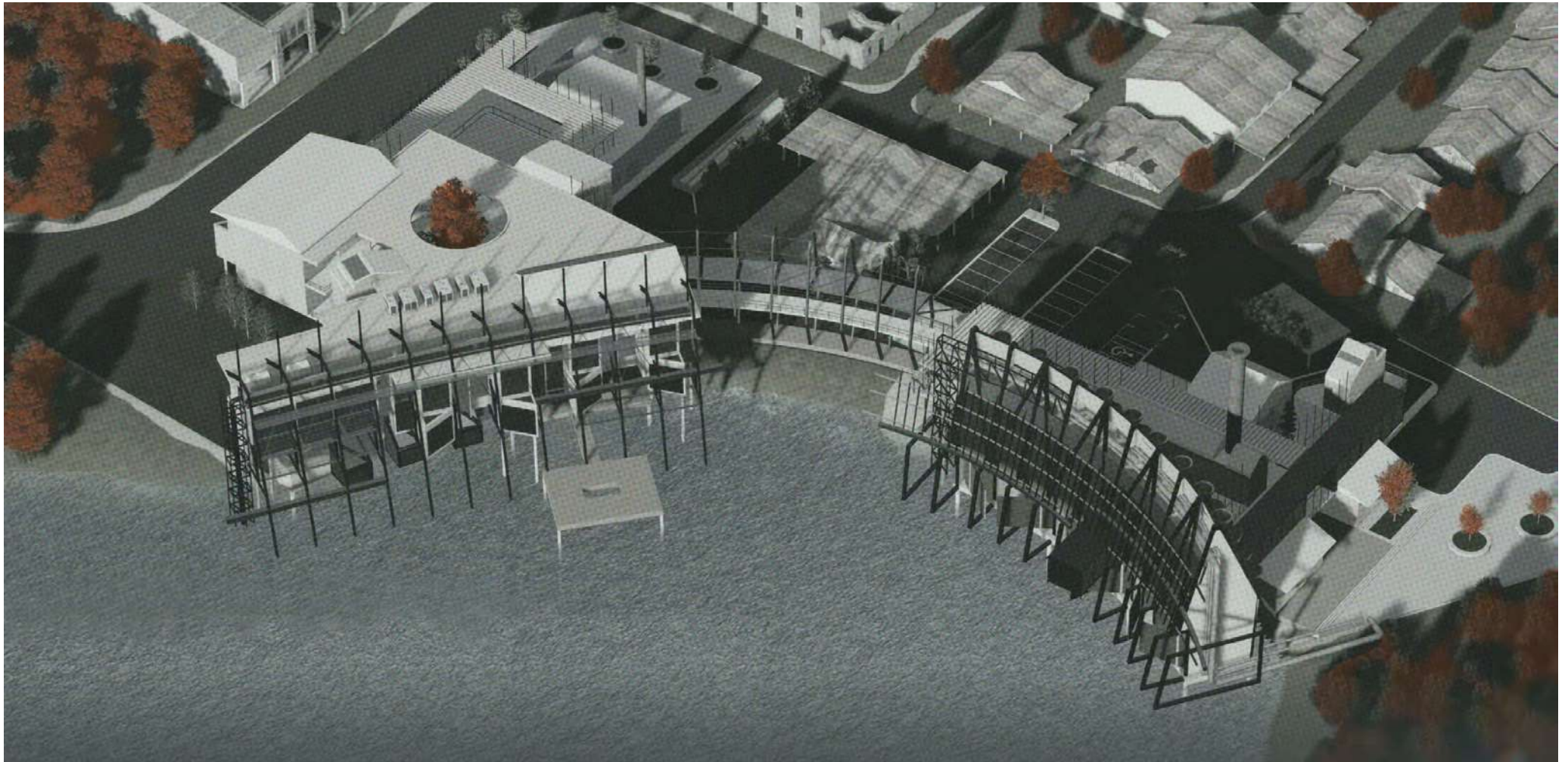




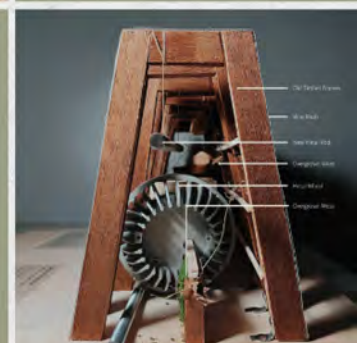
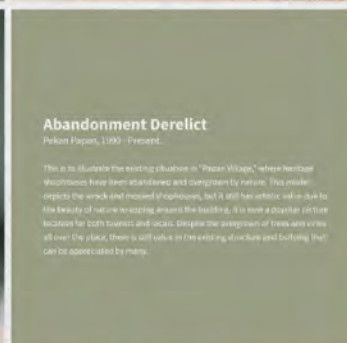
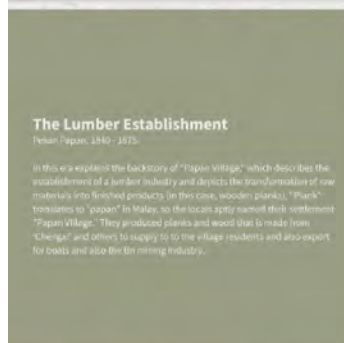
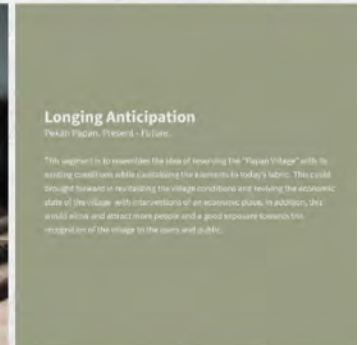
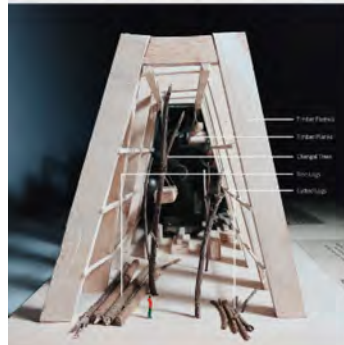
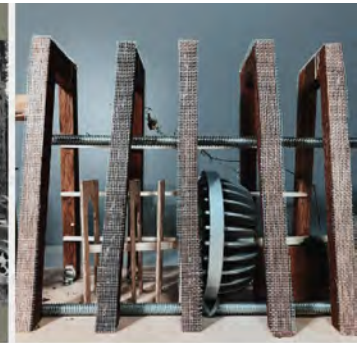
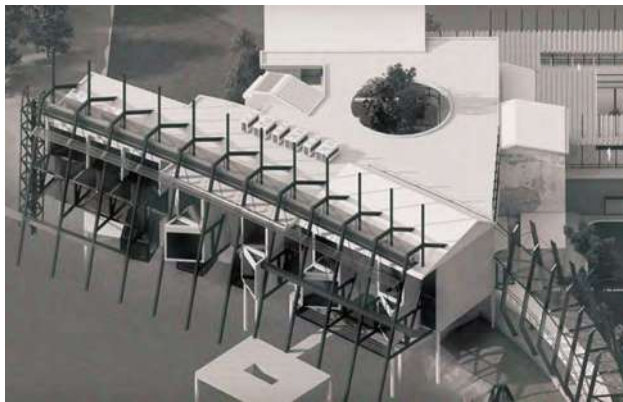
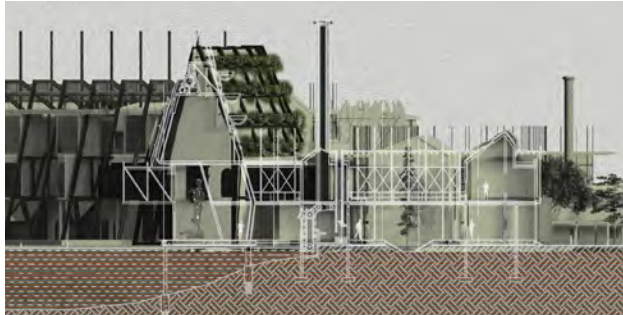


EPILOGUE: CHRONOPHORIA

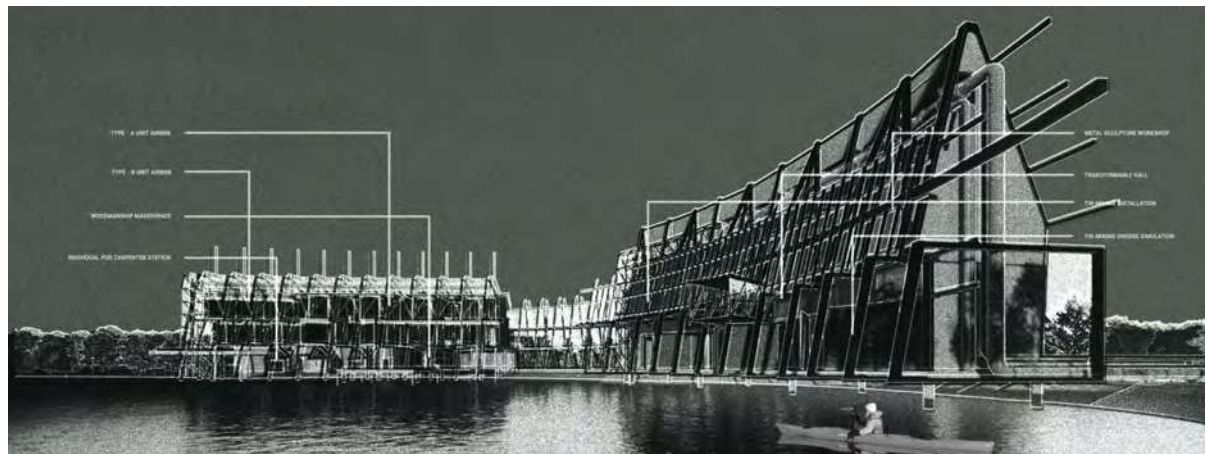
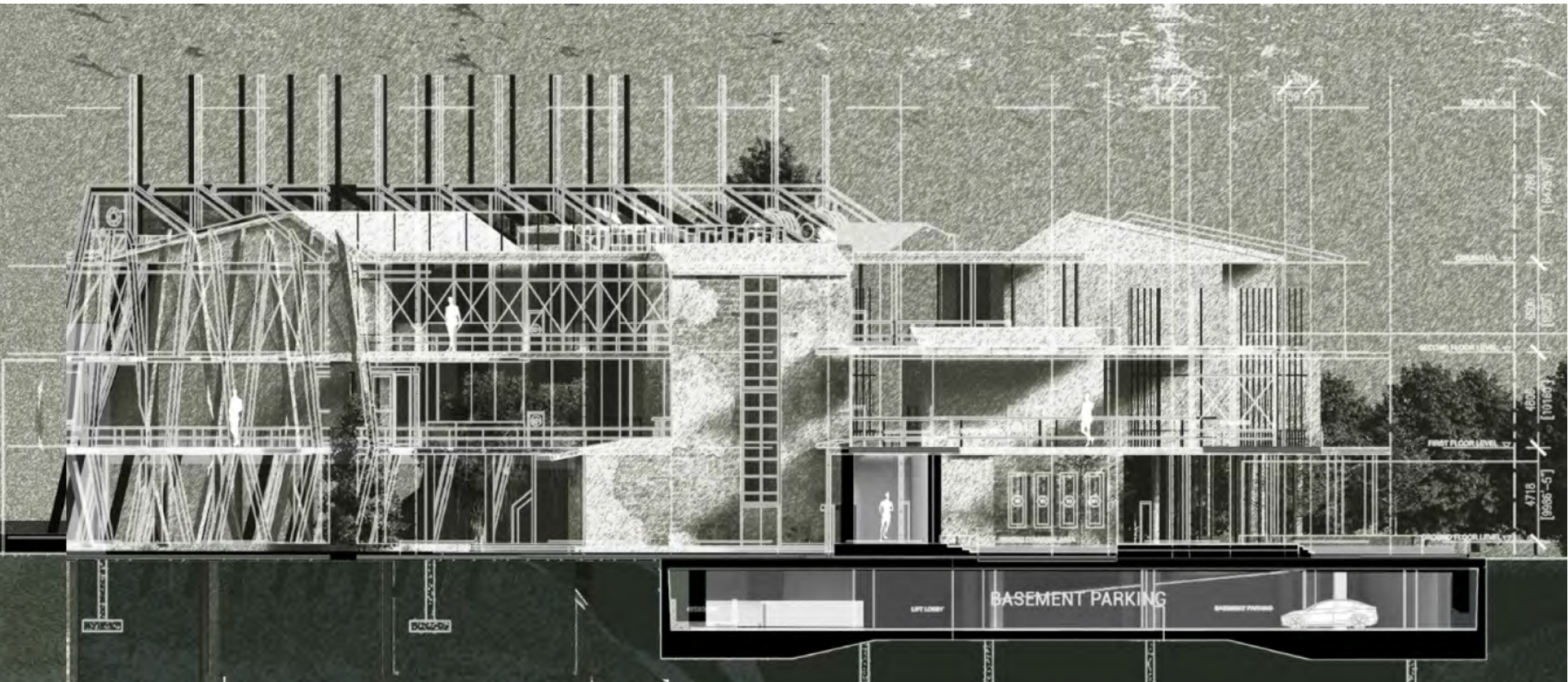
Chronophoria, the epitome of Papan's Village's new legacy to be held and the anticipated future within the new fabric of materiality and timeline. Chronophoria is an important concept within the context of Papan's Village, one that represents a forward-looking approach to community building that is rooted in a deep understanding of the role of time and materiality in shaping the community's identity and future



Chronophoria is the embodiment of a visionary new era, where time and materiality intersect to create a stunning new reality for the people of Papan's Village, a future where the past and present come together in a glorious fusion of innovation and tradition, weaving a tapestry of time that will be treasured for generations to come



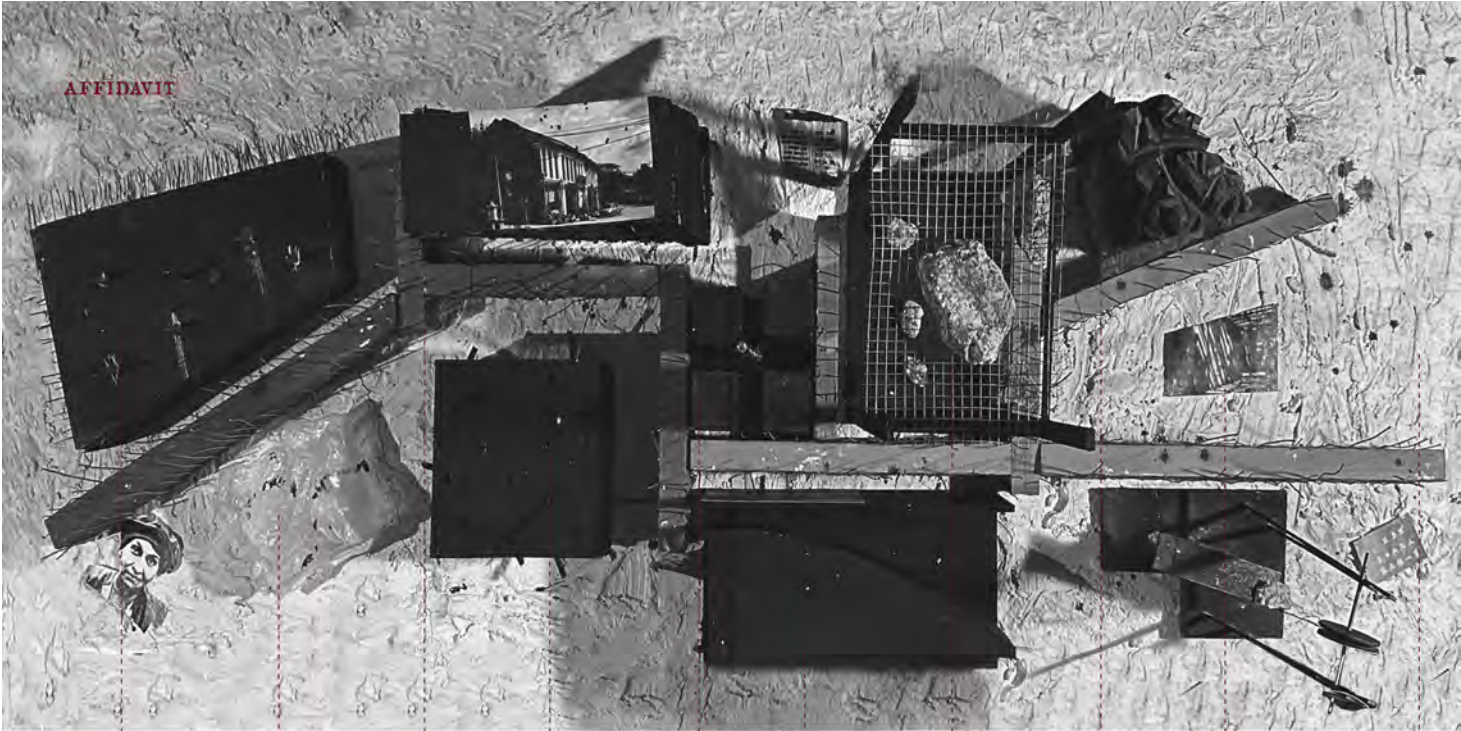




SABBATH - SYBIL'S MEMORIAL

Programs of considerable functional, contextual, social, technological, and conceptual complexity are undertaken; emphasizing the integration of building tectonics such as building structure, services implementation, spatial qualities, and environmental control in producing architectural dichotomy of ideas

To commemorate Sybil Kathigasu through utilizing the trail of affidavits in the Papan town. In the spirit of commemoration, the spaces are made to represent the feeling of sacrifices until freedom, from the pain of torture to the hope of relief. Preserving and celebrating hidden heroism forgotten with time, bringing back Sybil Kathigasu's spirit towards the community and spreading it to the visitors.



NEEDLE - stabbing
As my hand was forced to stay on the table, the needle went into my fingertip just under the nail.

THRASH - thrashing
Came from one inch to three and a half inches were used to thrash me, many were broken or split in several pieces.

TWIST - forced
Tucked into the socket of my knee cap and began to twist the cane.

KICK - unpredictable
Kicking me with their heavy boots is their daily greeting that runs through every statement.

HUNG UP - dizzy
I was hung by one leg, head down for hours at a time.

ARM-CHAIRS - strike
I was made to stand in the middle of the row, kept hanging on my head until I collapsed on the floor.

WATER - unconsciousness
Forced to be repeatedly pumped up my nose and mouth and then kicked up my stomach.

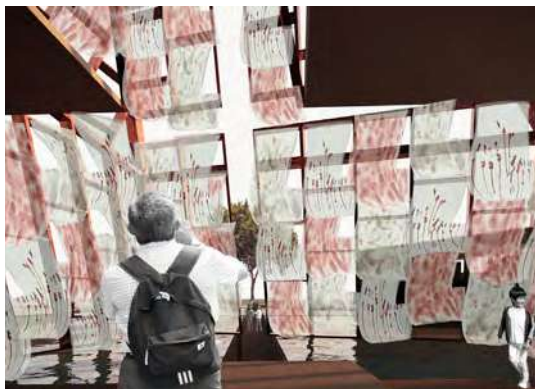
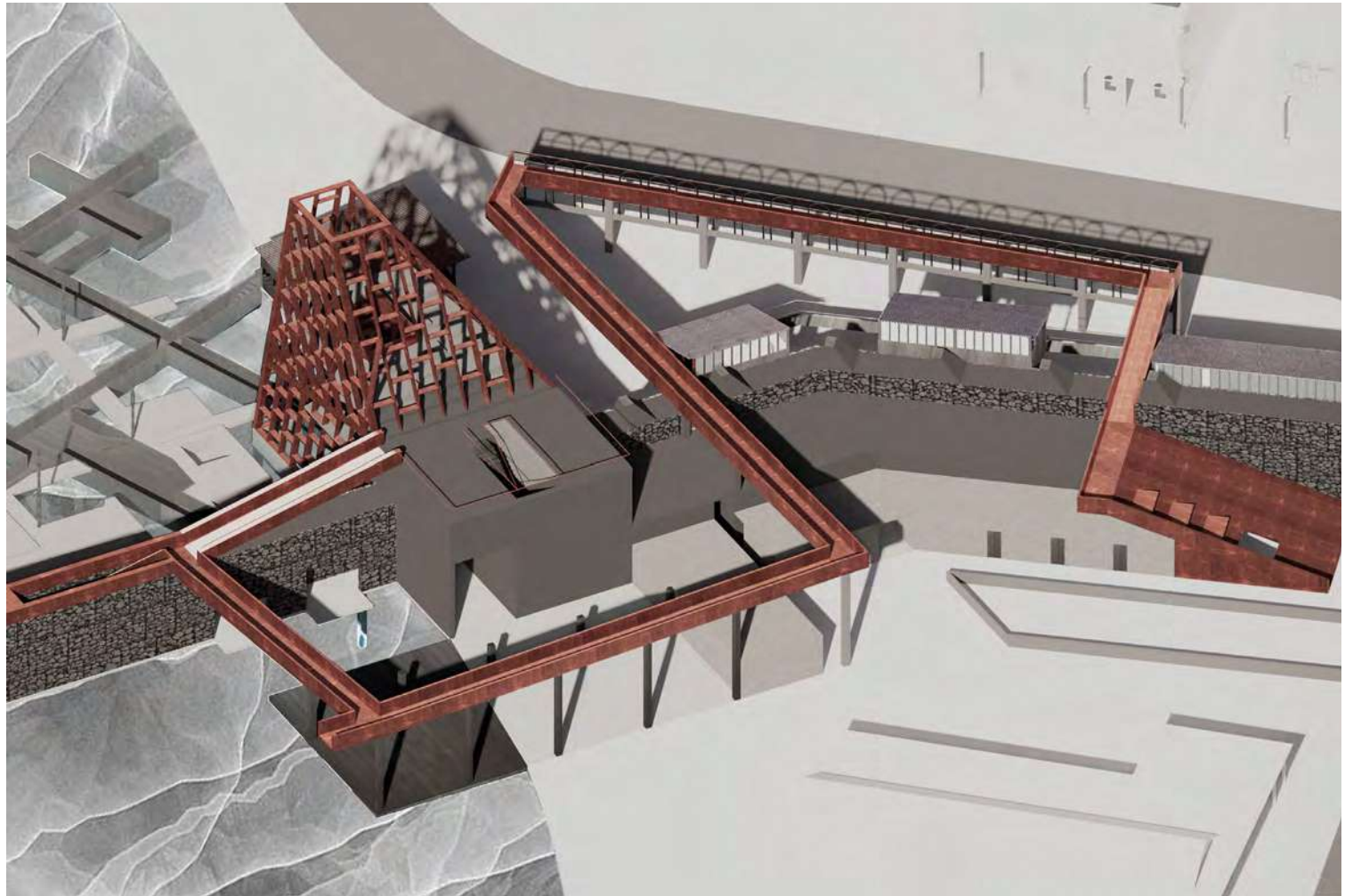
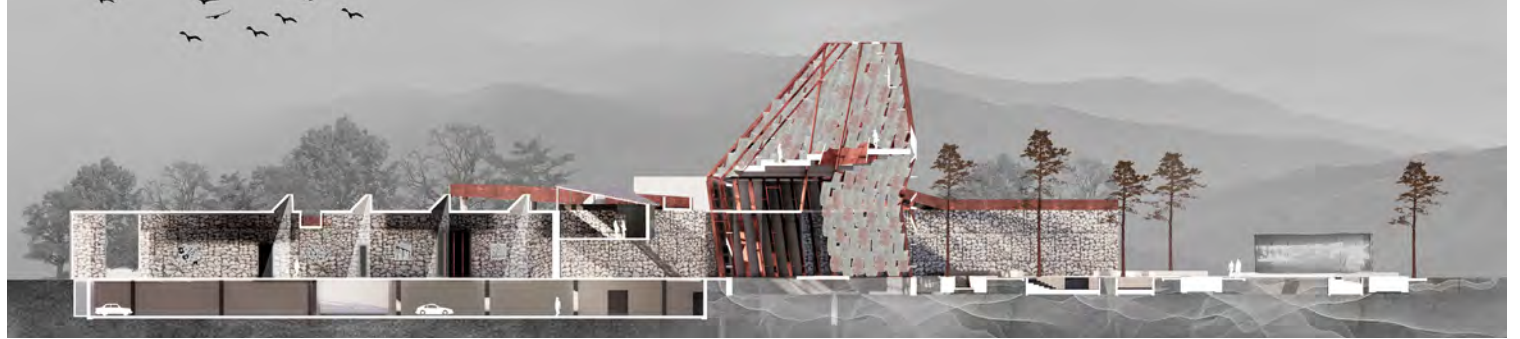
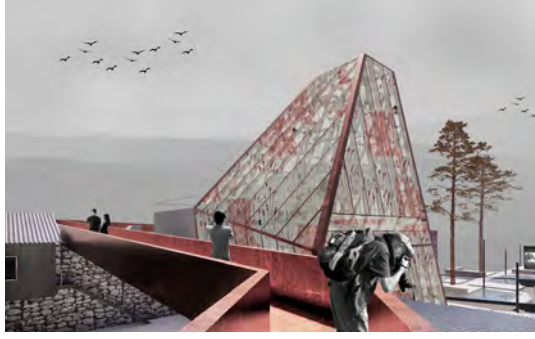
IRON ROD - burning
Beaten in a charcoal brazier and applied on my legs and back.

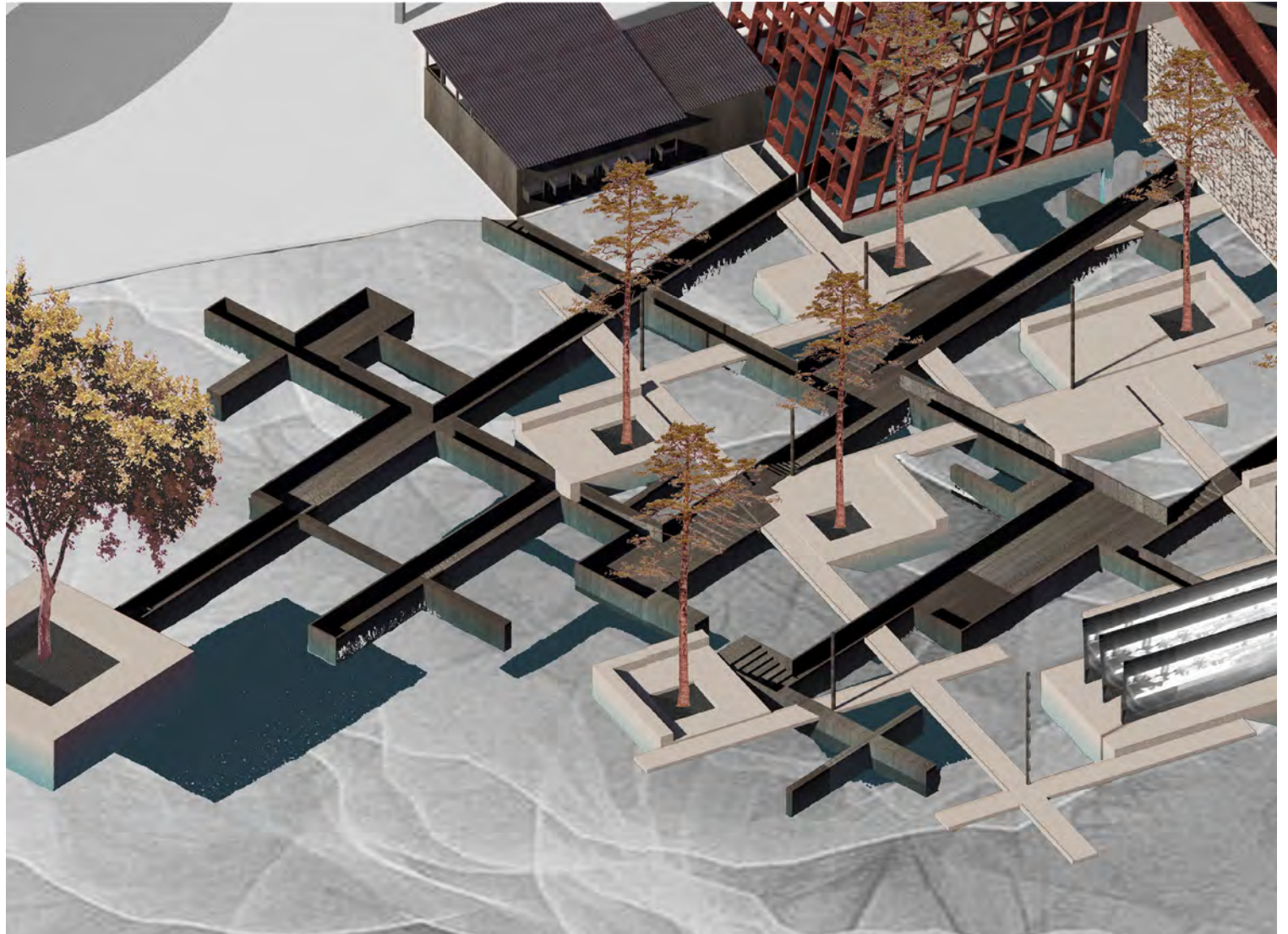
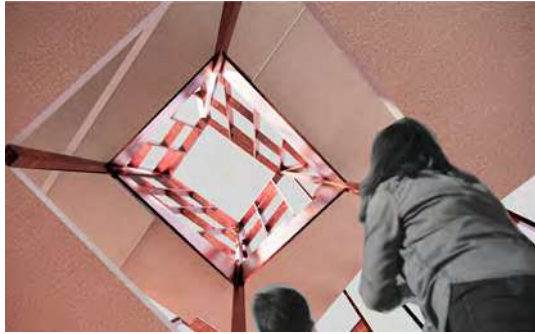
FINCH - bruise
My arms and legs is another favorite Japanese pastime until my arms and legs are sore.

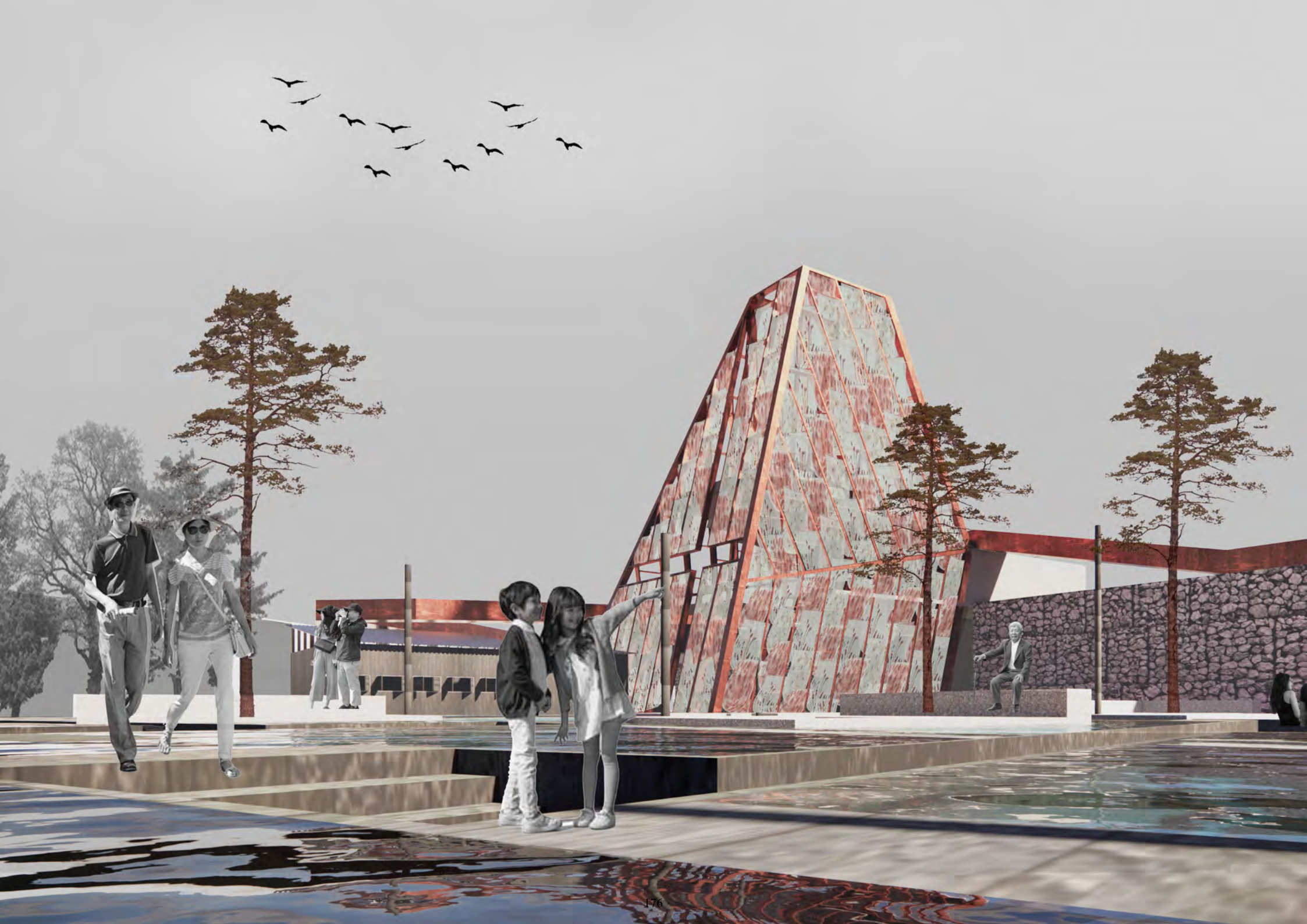
SLAP - unpredictable
Kept falling on my face without warning.

SEE SAW - tearing
Weld between fingers of both hands, one held fingertips, one supported elbow, two hands from both ends to play see saw.





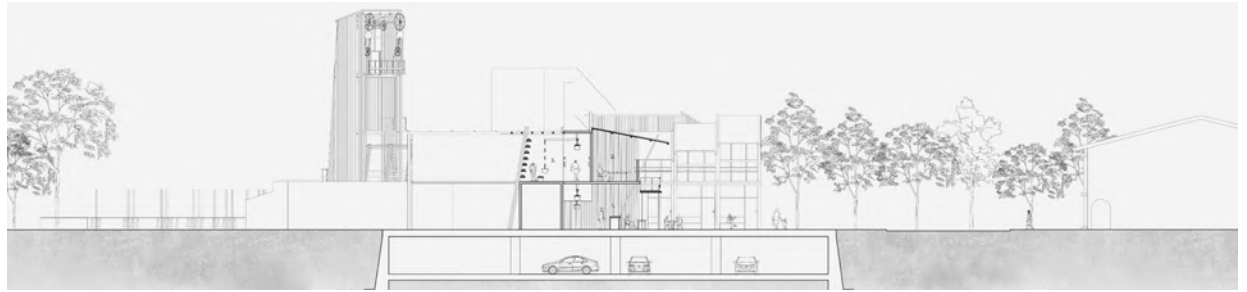
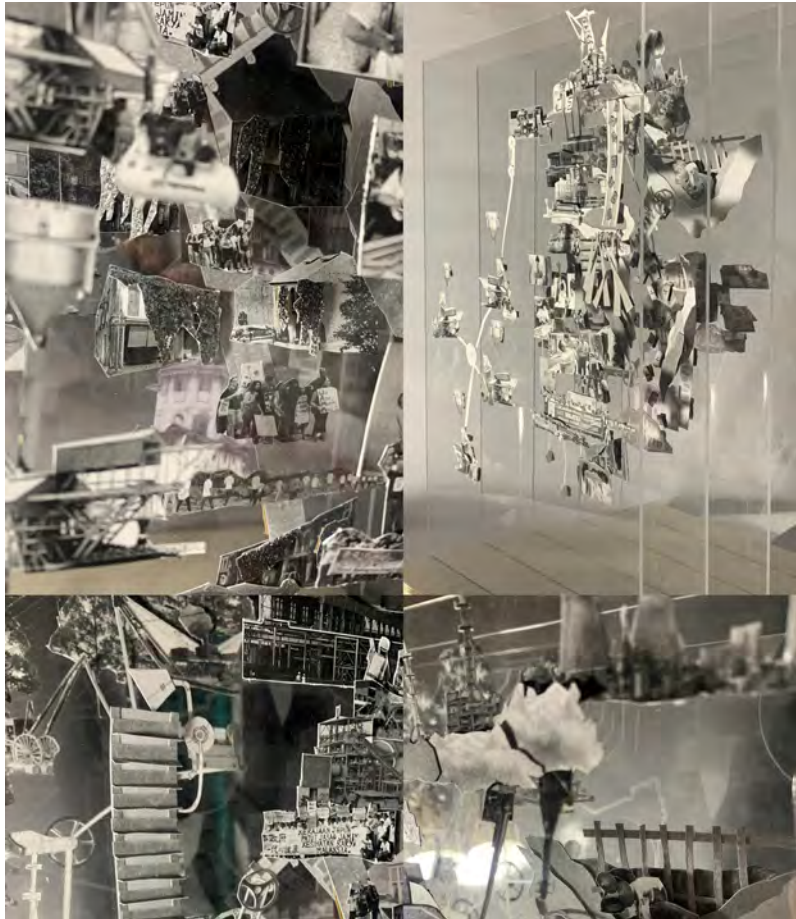




SEEDING THE POST INDUSTRIAL LANDSCAPE

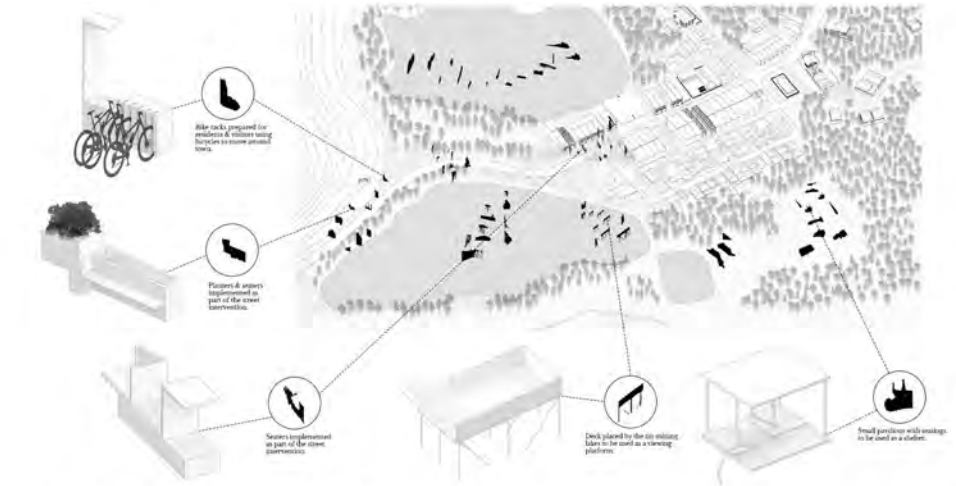
Due to its extensive history of tin mining and yttrium refining, Papan has undergone decades acting as a radioactive waste dump site. The radioactive byproduct from the refinement of tin tailings has caused environmental impact to the town through soil contamination. The exposure to the radioactive waste has also caused devastating effects on the health of the local residents. In the present day, this town has been left abandoned and forgotten, along with the mistakes that were made as well as the people that suffered. In response to the site condition, this proposal acts as a propagator and catalyst to seed the post-industrial landscape with sunflowers, as an act of commemorating the victims of radiation while also being part of an urban strategy to re-mediate the contaminated soil of Papan through phytoremediation.



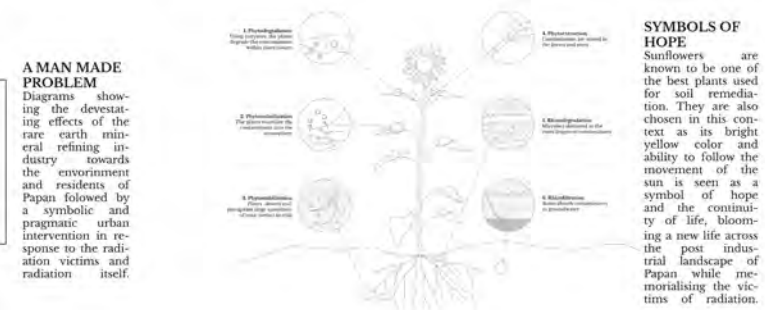
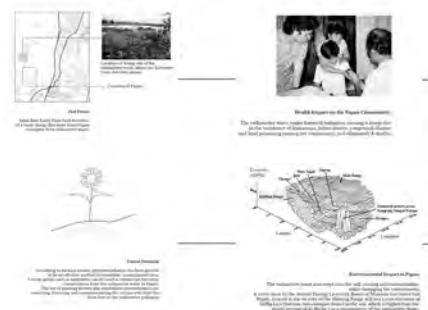


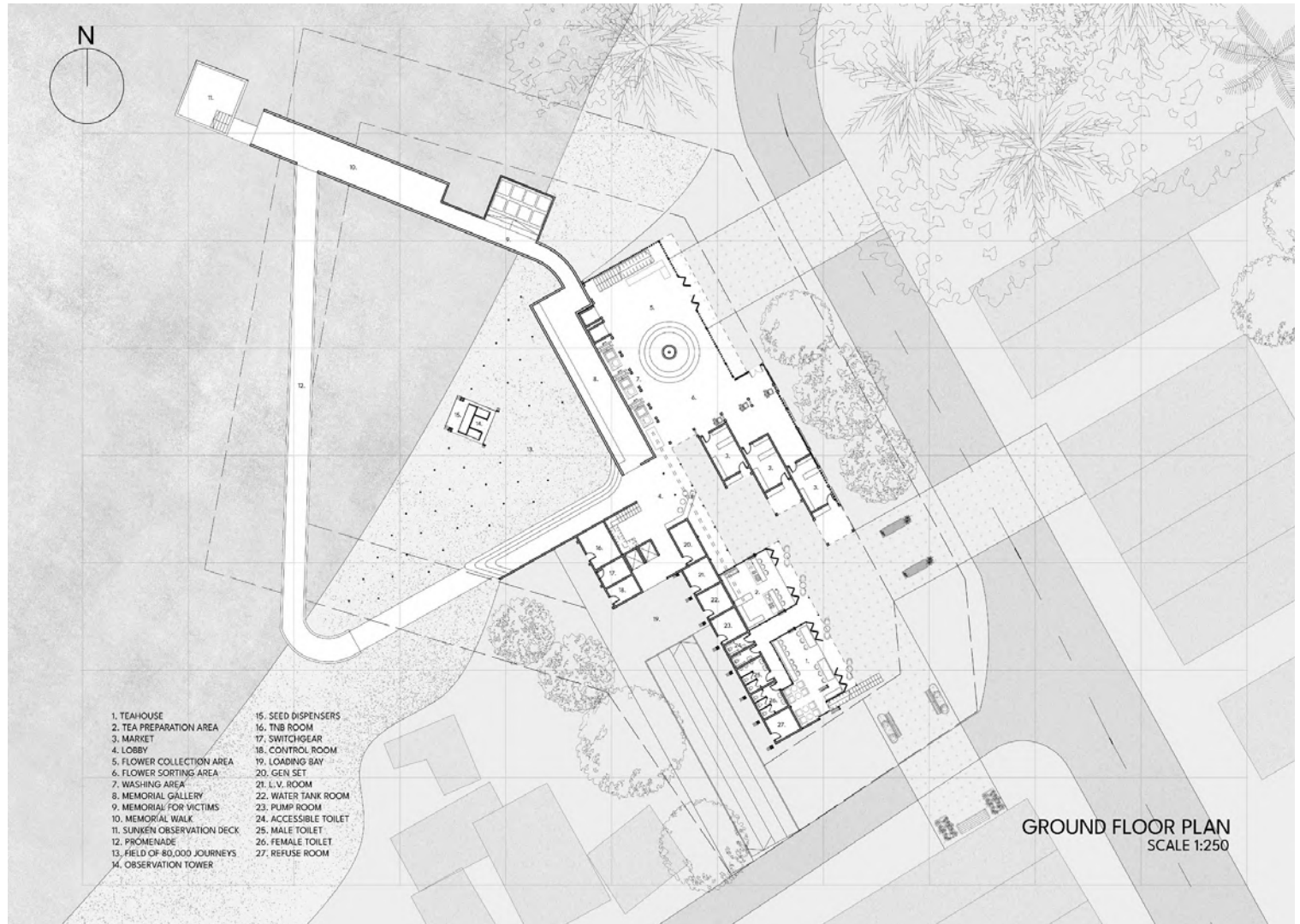
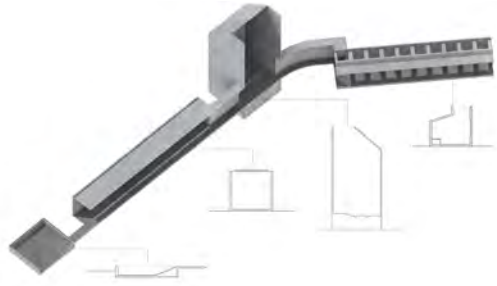
Programmatically, the project aims to provide a space for community placemaking. Workshops and facilities are provided to allow the local community to craft products from the harvested sunflowers. These activities allow a micro-economy to generate for this small town, empowering the community in the process. The project also features a memorial in remembrance of the protestors and radiation victims of the radioactive pollution while also educating and reminding the public of the damaging consequences caused by the rare earth refining industry.

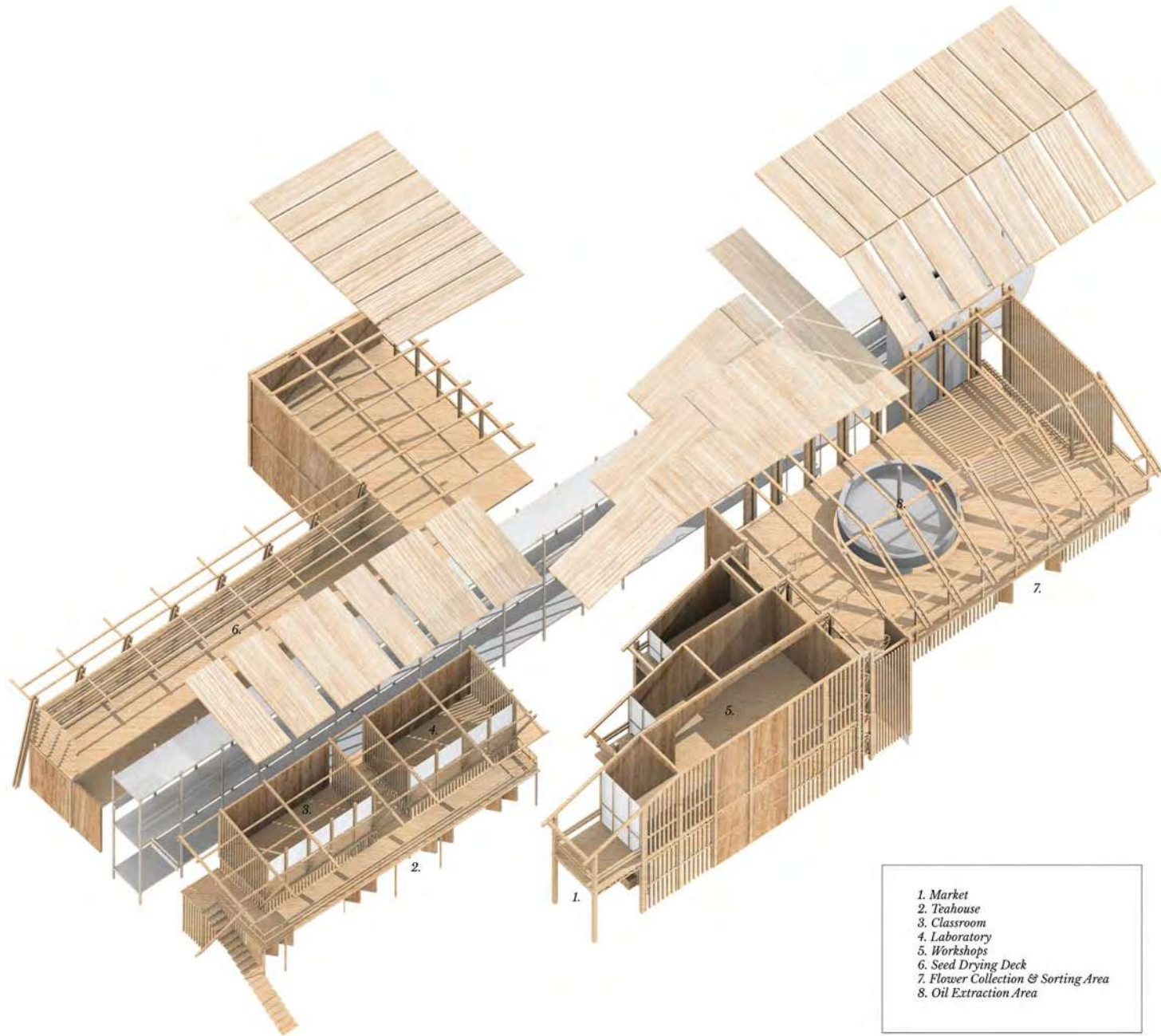
The design outcome acknowledges the tragic events of 1983. With the blooming of the sunflowers, a new scenic environment is spawned across the scarred landscape, symbolizing a new hope for the abandoned town



URBAN FURNITURE
The fragments placed across Papan are not only used to form scenes, but also double as urban furnitures such as seats, planters & bike racks to help improve the streetscape of Papan while elevating the quality of experience of the resident and visitors navigating through Papan.

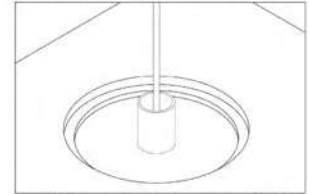




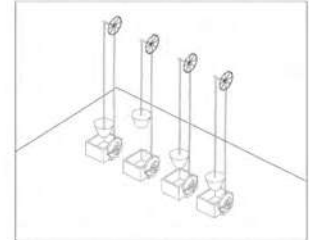


- 1. Market
- 2. Teahouse
- 3. Classroom
- 4. Laboratory
- 5. Workshops
- 6. Seed Drying Deck
- 7. Flower Collection & Sorting Area
- 8. Oil Extraction Area

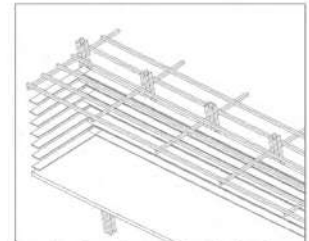
**SUNFLOWER PRODUCTS
PRODUCTION PROCESS**



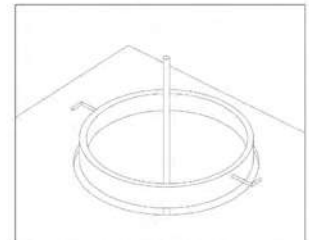
1. Collecting & Sorting: Sunflowers are collected & sorted by the community in this gathering area.



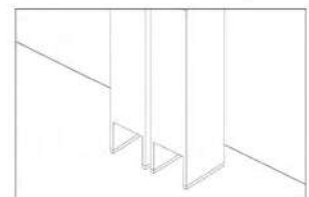
2. Washing: The sunflower seeds collected are washed and transported to the first floor.



3. Drying: The sunflower seeds are dried at the open aired deck to remove excess moisture.



4. Pressing: The sunflower seeds are pressed to extract sunflower oil.



5. Firing: The pressed sunflower seeds are further fired in the furnace to extract its remaining oil.

ECHO OF THE LITSI

Echo of LitSii, also known as the Echo of the Marthy. It commemorates the heroes sacrificed in World War II and takes the form of three strong roots symbolizing the protective trees found in Papan that guard the village, soldiers, and families. Sybil, a brave woman, deserves to be remembered by everyone.

The LitSii Festival in Papan village welcomes the public to celebrate and honor the memory of the past while educating younger generations. Additionally, the Last Ritual is held in the nearby building, where a walkway leads to the Tears of Mercy.

The buildings serve not only as a space for commemorative events during ceremonies and festivals but also as a park that Papan residents can enjoy as a green space. Visitors can appreciate the stunning view of Papan village, as well as the natural beauty of the surrounding hills and lake.

Finally, as a tribute to Japan's heroes and heroines, the Echo of the Lists provides accommodations for artists and visitors to create art and develop the creative industry. This initiative serves as a way to honor and remember the sacrifices of those who fought in World War II.





THE ECHO

While walking toward the 6th ritual (Mercy of tears), people can understand and imagine the torture using interactive ways by hearing the conversation, listeners can have certain emotions towards the story.

HARMONY PARK

A community park that allows the villagers and public to enjoy their day with family and friends, just like what Sybil hope but can't afford due to the era.

HOUSE OF THE HEROES

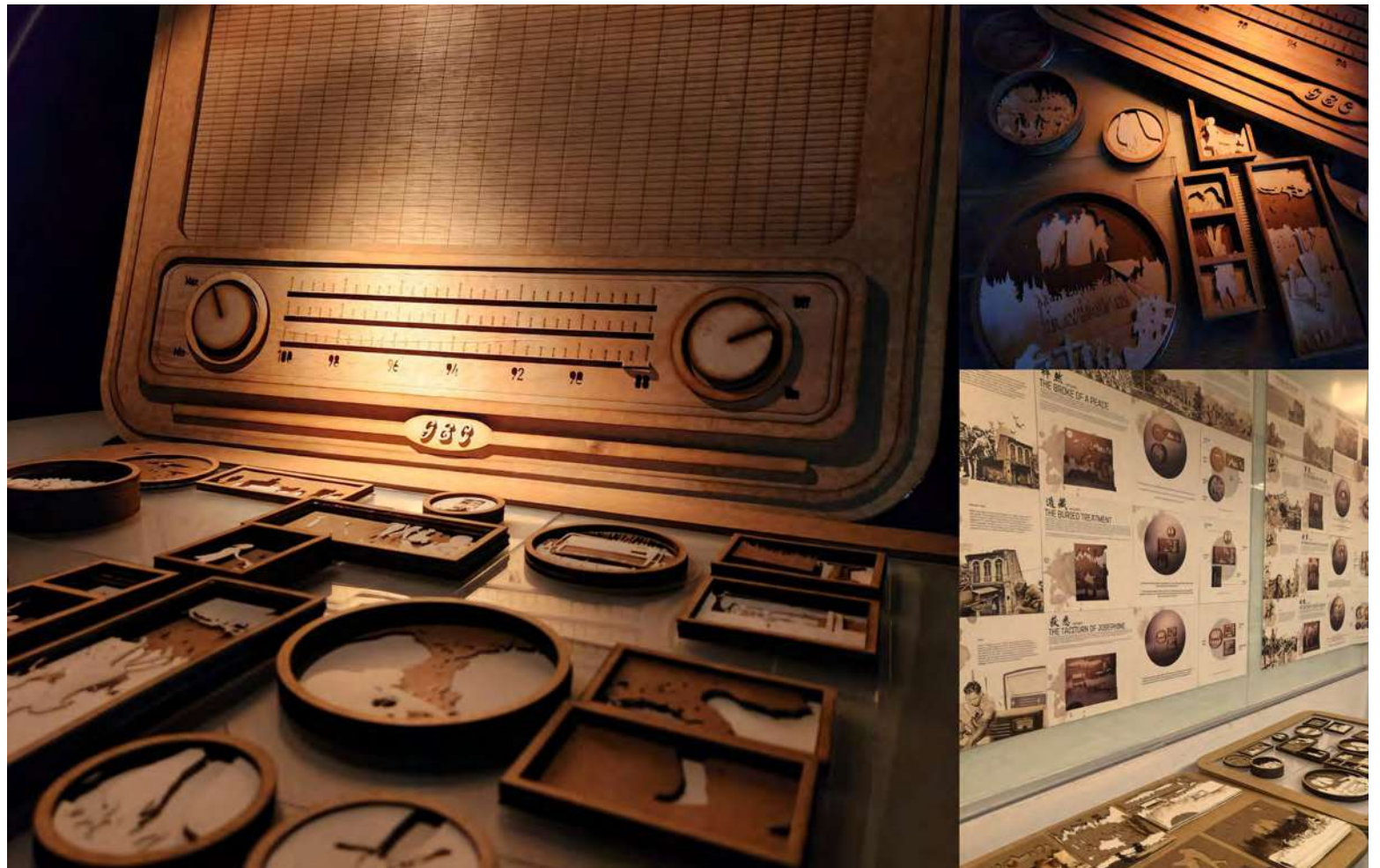
An archive to record the history of the heroes and keep it in here to share it with the public.

THE TEARS OF MERCY

One of the rituals of 6, is that the readers wanted to let Sybil know there is mercy from us.

PATH OF TEARS

A walkway under the "Tears of mercy" that is linked to the waterlily pond and jetty named "Path of blossom".



JOSEPHINE'S HUB

A radio art space for the young generation to understand the importance of the radio in that era and how Sybil can keep the radio so well and using recycled components to build their artwork.

REFLECTION AREA

After the walk and ritual, there is a space for them to think and express their emotion in the reflection area by creating the design of the art.

PATH OF TRIBUTE

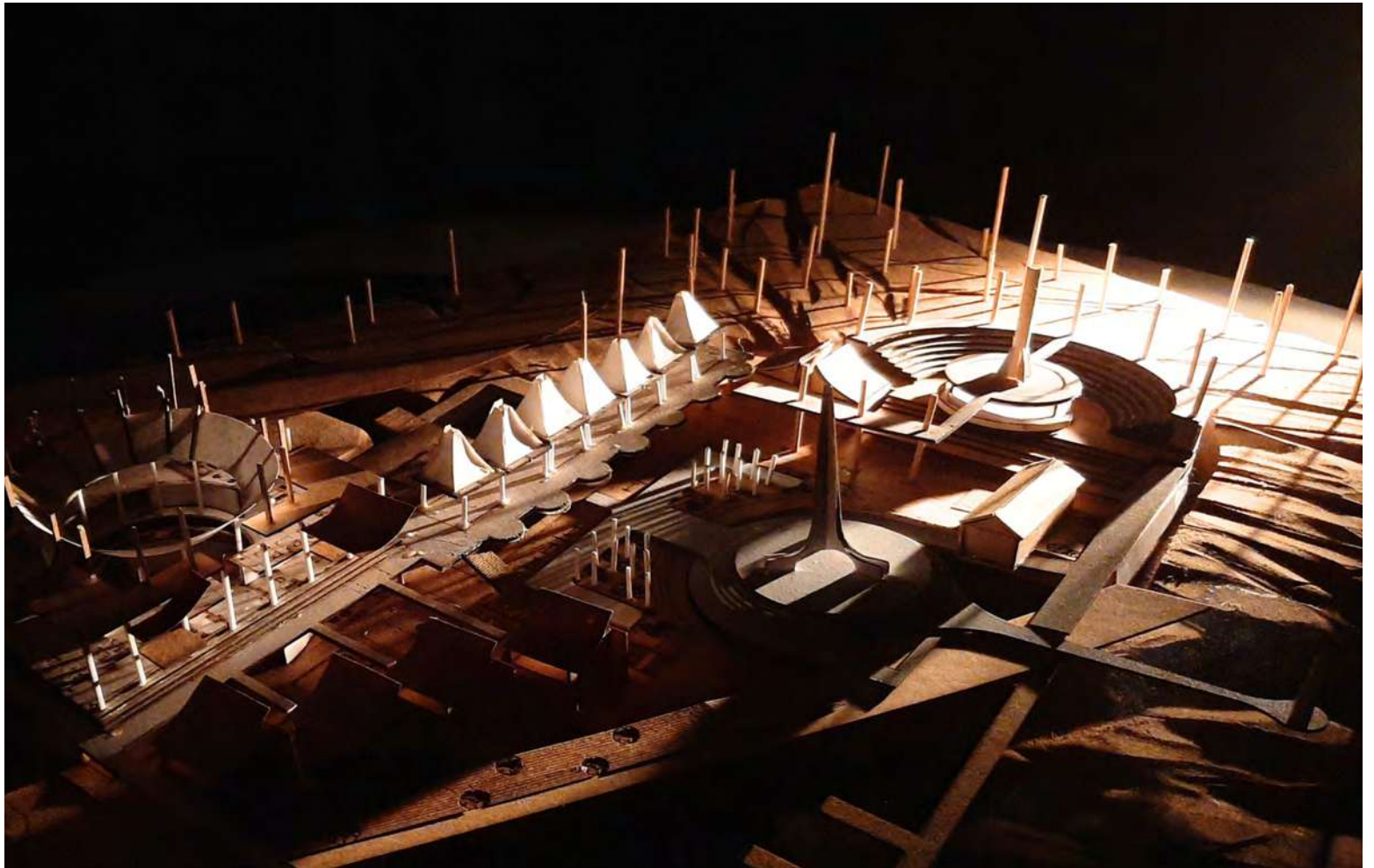
A walkway from the living area to the commemoration area, as an art display area, to show tribute to Sybil and the soldiers.

ARTIST CREATIVE WORKSPACE

An art-creating space after the creator understands the story and shows their emotion towards art, and shows it as a tribute to Sybil and the soldiers.

ARTIST RESIDENTIAL

A living area for the artist and visitors to stay to understand Papan and experience staying in the "jungle" surrounded by vertical structure design.



FIGHT FOR TOMORROW

An experiencing WW2 museum . interactively using Virtual reality (VR) To experience how the Guerrillafighters fight for our country.The spaces have 3different levels to control the user's movement.

PATH OF THE HEROS

A memorial path that display the names of the soldierthat join the war by using light tube and shadowcasting .For the public to commemorate and theirfamilies to be proud of them.

THE INDELIBLEL MEMORIES OF PAPAN

A cinematic step seat. To display the story of SybilKatigatsu by using the layering of the stone sculptureto form a scene.

CREATION OF A COMMEMORATION

For the posterity of the soldiers to create an segmentwith the names that can allows the shadow casted onthe wall of the memorial path

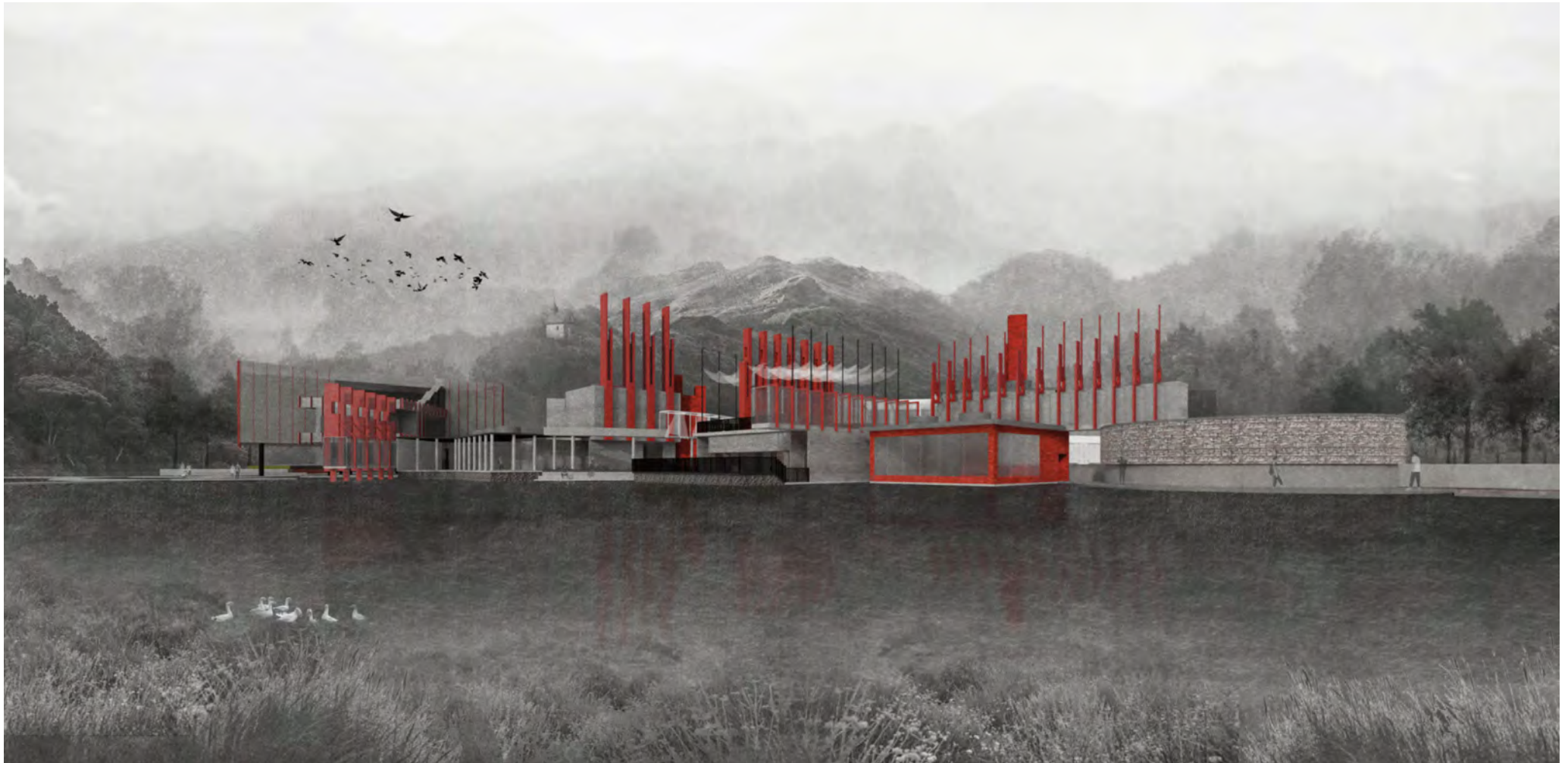
THE WAY TO NO74

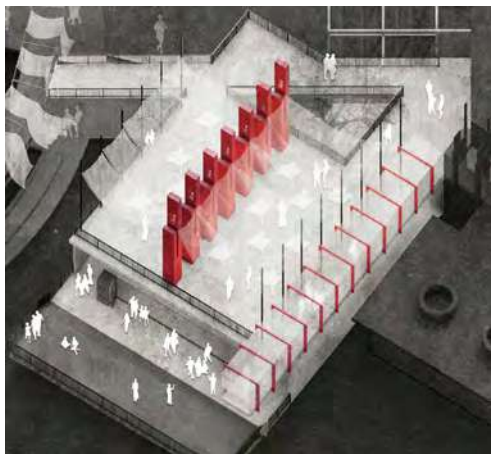
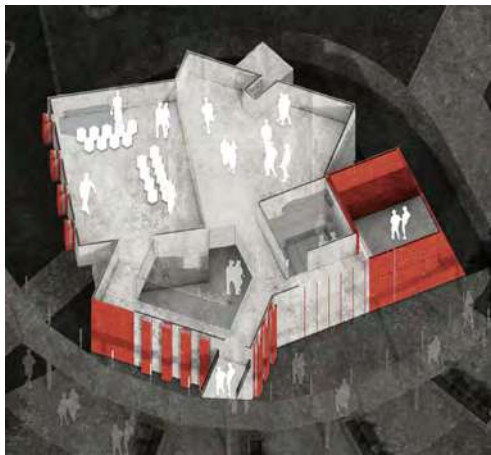
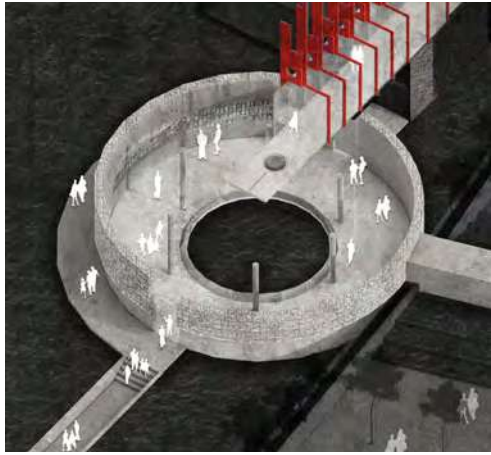
A maze from the memorial space to the open area, justlike the soldier need to walk secretly to get treatment.

BEACON OF TENACITY

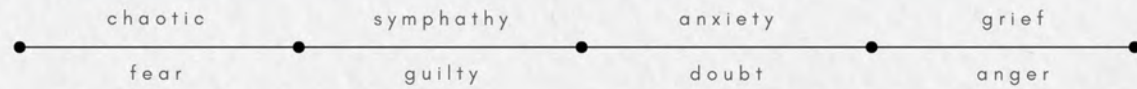
Amidst the chaos and turmoil of war, emerged heroes from the shadows: women fighters who bravely fought for their land and their people, risking their lives to protect what they held dear. Unfortunately, their stories and sacrifices are too often forgotten and lost in the mists of time. This building stands as a testament to their courage and resilience, a tribute to their unsung heroism. Through museums, memorials, and workshops, it aims to raise awareness, inspire future generations, and empower the community with the spirit of tenacity. The disoriented geometries of circles, rectangles, and triangles connect the walkways of this building, following an emotional journey that tells the story of these women fighters.

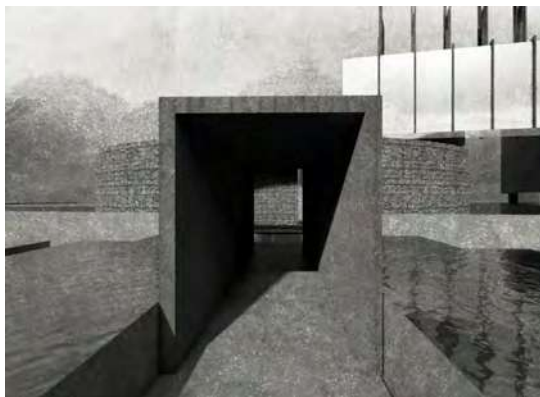
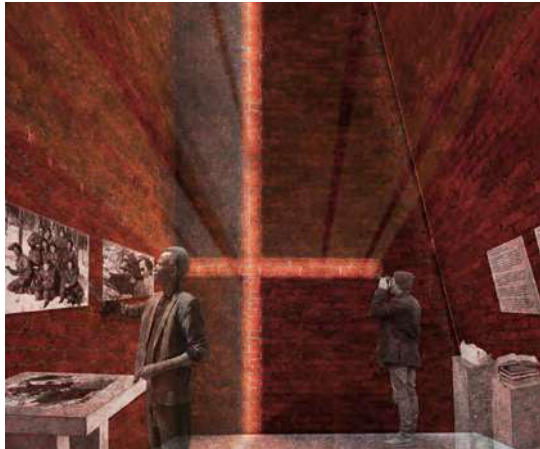
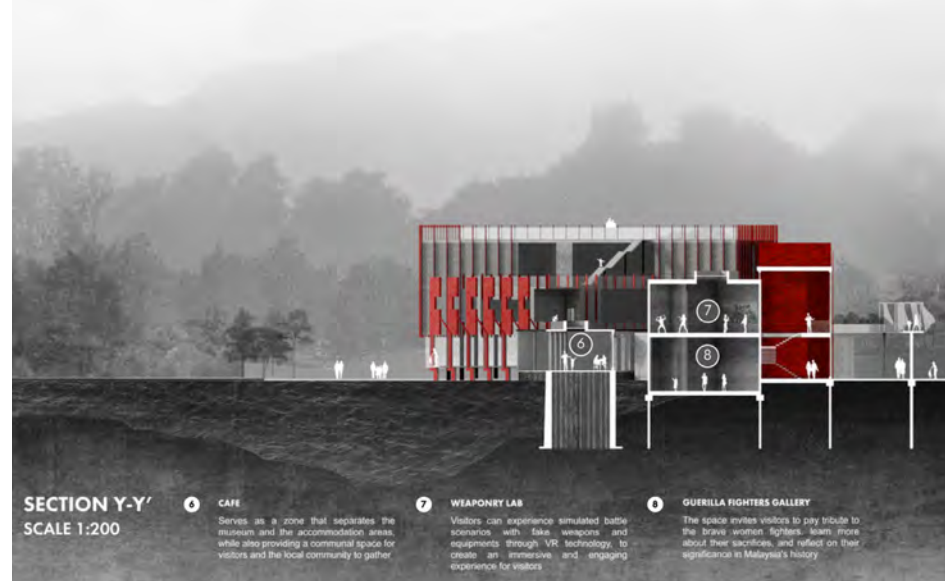
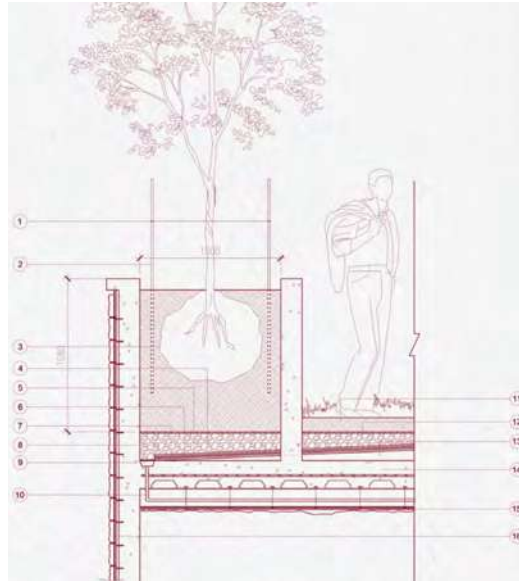
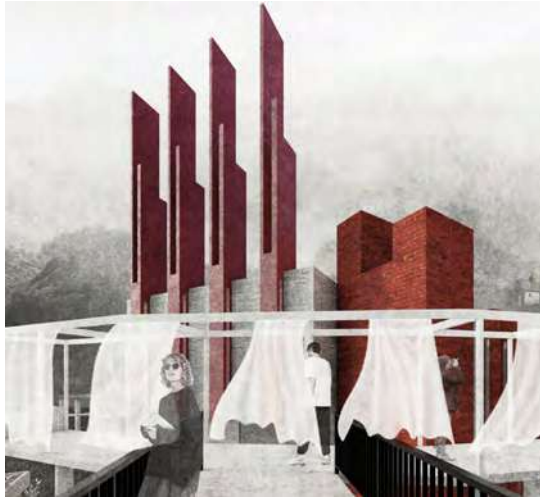
A journey that echoes the footprints of their emotions and the vestiges of their feelings, etched forever into the fabric of history. The building serves as a place of remembrance, where visitors can reflect on the past, pay tribute to these remarkable women, and draw inspiration from their struggles and triumphs. By creating a space that celebrates their legacy, educates visitors about their contributions, and empowers the community, the project serves as a symbol of hope and resilience in the face of adversity.





THE EMOTIONS





ROOFTOP GARDEN
ROOF

STAFF DORMITORY
2F

SELF-DEFENSE WORKSHOP
TRADITIONAL ART WORKSHOP
COOKING WORKSHOP
ADMINISTRATION OFFICE
"HER" STORY THEATRE
WEAPONRY LAB
TRAVELLER'S PODS

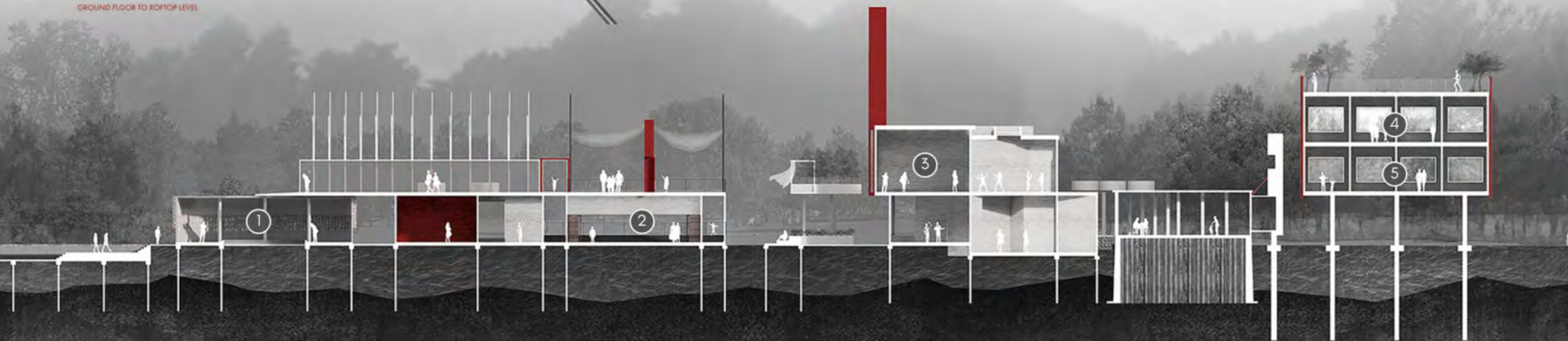
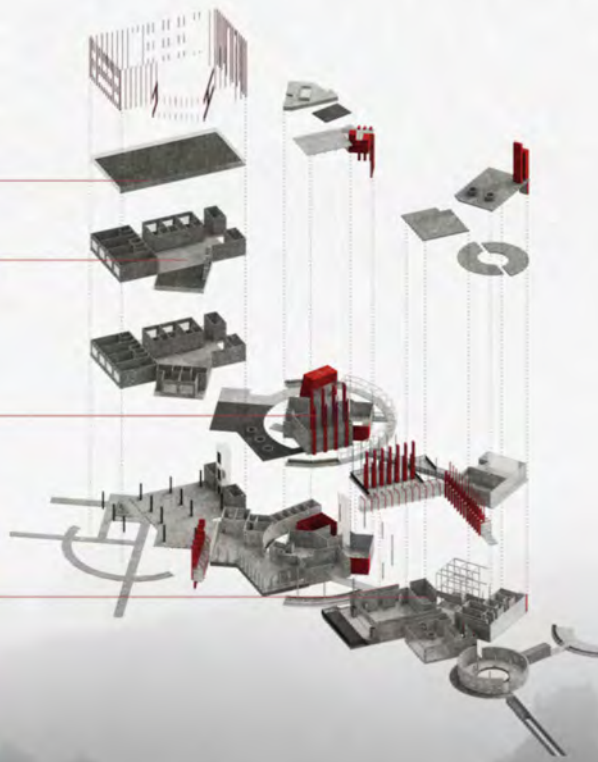
1F

THE MEMENTO MEMORIAL HALL
GIFT SHOP
STORYTELLING HALL
OPEN-AIR TEA HOUSE
GUERRILLA FIGHTERS GALLERY
COMRADE FIGHTERS GALLERY
NURSE FIGHTERS GALLERY
CAFE
ACCOMMODATION LOBBY LOUNGE

GF

**BUILDING
EXPLODED
AXONOMETRIC**

GROUND FLOOR TO ROOFTOP LEVEL



SECTION X-X'
SCALE 1:200

1

"THE MEMENTO" - MEMORIAL OCULUS
The space invites visitors to pay tribute to the brave women fighters, learn more about their sacrifices, and reflect on their significance in Malaysia's history

2

STORYTELLING HALL
The space will be used as a platform to host a variety of events and talks related to the history and legacy of the Malaya women fighters during Japanese occupation

3

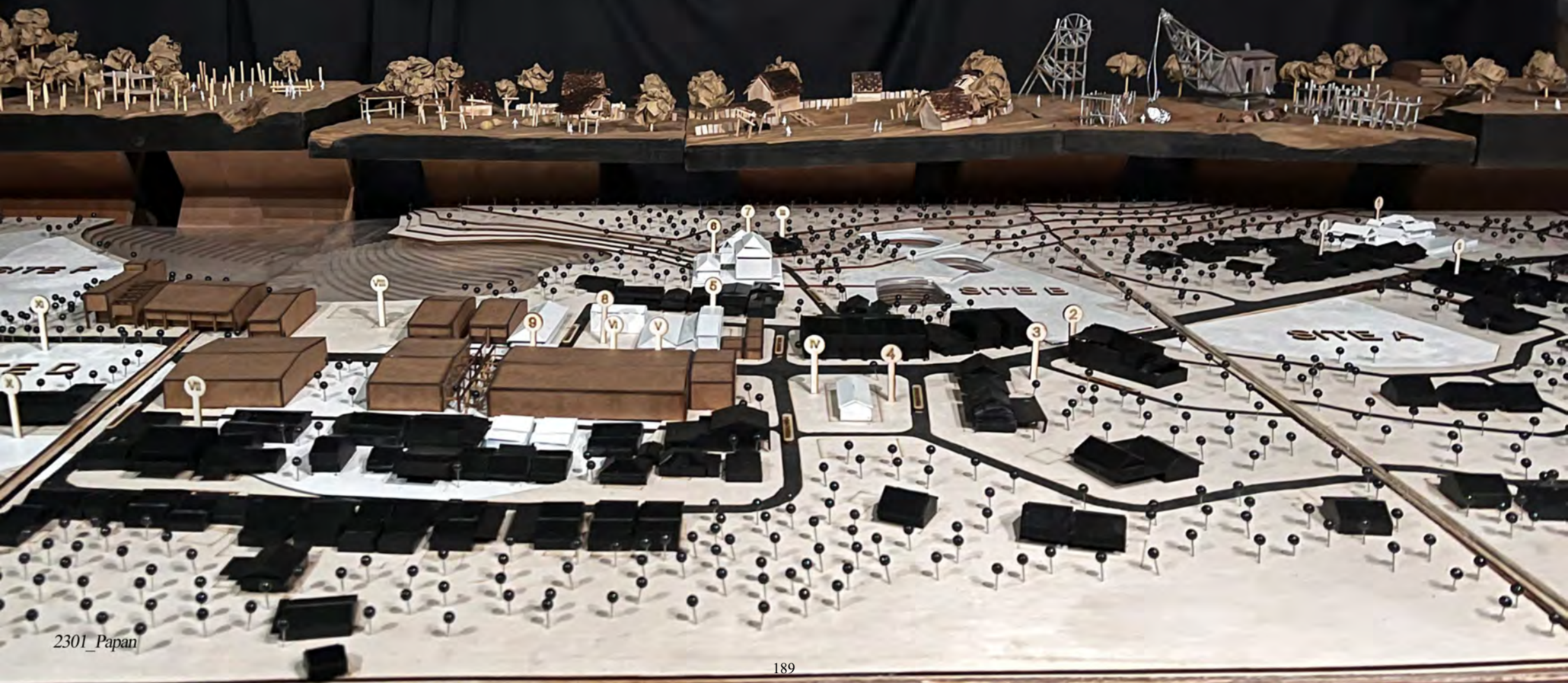
"HER" STORY THEATER
The gallery showcases a range of multimedia materials, including footage, interviews, and other visual documentaries that tell the stories of the women fighters and their struggles for freedom and justice

4

STAFF DORMITORY
The staff dormitory is located on the lower level of the accommodation area, and is designed as a shared living space for museum employees

5

TRAVELLERS POD
Accommodation units for travellers visiting the museum of Papan, open for short term or long term stay





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2207_BRICKFIELDS

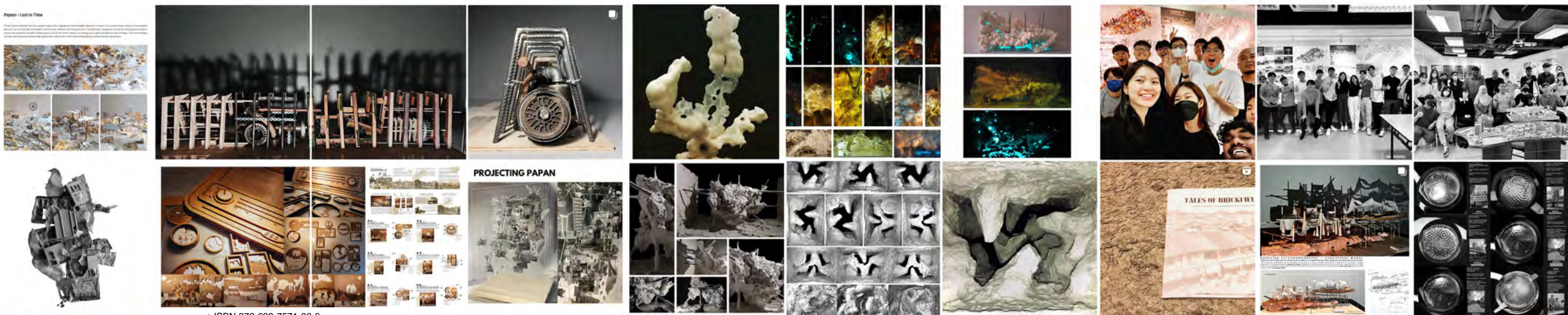
*Chong Pui Xin
Jaron Sim Shao Jie
Lee Hong Sheng
Low Pui Yi
Sean Tan Seong Kean
Tan Yin Yee
Too Kar Yee*

2301_PAPANPERAK

*Chong Pui Xin
Gan Jing Wen
Hafiy Naqiyuddin
Kok Pui Kee
Lim Jia Ying
Too Kar Yee
Triny Cheong Xiao You*



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