

UCSI UNIVERSITY
SCHOOL OF ARCHITECTURE & BUILT ENVIRONMENT (SABE)

AR423 BUILDING & CONSTRUCTION TECHNOLOGY 4
JANUARY 2024 COHORT

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e ISBN 978-629-7673-12-7



 UCSI Press

PLACE MAKING

ARCHITECTURAL TECTONICS

TELUK INTAN, PERAK

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PREFACE

This compilation celebrates the culmination of a journey through building construction and technology, encapsulating the essence of place-making at Teluk Intan, Perak. As architecture students, they embarked on a quest to explore the architectural tectonics of this charming locale, delving deep into its history, culture, and urban fabric to create proposals that honour its heritage while envisioning its future for Teluk Intan.

In studying architecture, it is essential to experience design thinking through the Art of Making. This approach goes beyond two-dimensional drawings, allowing students to comprehend the complexities of architectural tectonics fully. Through integrating Project 2, "Architectural Tectonics", with "Place-Making" of Architectural Design Studio 4, students have had the opportunity to delve into the practical aspects of construction technology.

This integration has enabled students to investigate and expand their knowledge of construction methods, materials, and structural assembly. Students have demonstrated their ability to translate design concepts into feasible construction solutions by illustrating their "Architectural Tectonics" through architectural models and technical drawings.

Each project tells a unique story, reflecting our students' diverse perspectives and innovative ideas. From sustainable construction techniques to innovative spatial solutions, these proposals offer a glimpse into the future of architecture in Teluk Intan.

We extend our heartfelt thanks to all who have contributed to this endeavour, including our lecturers and fellow students. Their guidance, support, and feedback have been invaluable in shaping our students' work and pushing them to new heights of creativity and excellence.

As you look over the projects presented in this book, we'd like to invite you to join us on a journey of discovery and inspiration and their depth in architectural tectonics. We hope that their work will inspire others to embrace the Art of Making and to approach architectural design with a holistic understanding of construction technology.

Yusra Zulkifli

UCSI University School of Architecture & Built Environment

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First edition 2024
Printed in Malaysia.

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STUDIO 4

INTRO

Design Studio 4 embarks on an immersive exploration of Teluk Intan's urban fabric, a town teeming with historical significance and architectural potential. Nestled within the heart of Malaysia, Teluk Intan offers a rich canvas for architectural inquiry, inviting students to delve into the layers of its cultural heritage, urban morphology, and socio-economic dynamics.

The studio's focus is multifaceted, ranging from site analysis and placemaking reinterpretation to the design of innovative tourism centers that seamlessly blend with the town's ethos. Through a series of meticulously curated projects, students will navigate the complexities of architectural expression, responding to the nuanced challenges and opportunities presented by Teluk Intan's urban landscape.

In this publication, the main focus is on Project 2B, where students embark on a transformative journey of architectural reinterpretation, guided by the principles of critical regionalism and tectonic expression. Selecting from three site options—Batu Tenggek, Medan Selera, and the River Cruise context—students will explore innovative facade solutions and design interventions that celebrate Teluk Intan's cultural heritage while embracing the challenges of contemporary urban living.

Intan Liana Samsudin
Ida Marlina Mazlan

UCSI University School of Architecture & Built Environment



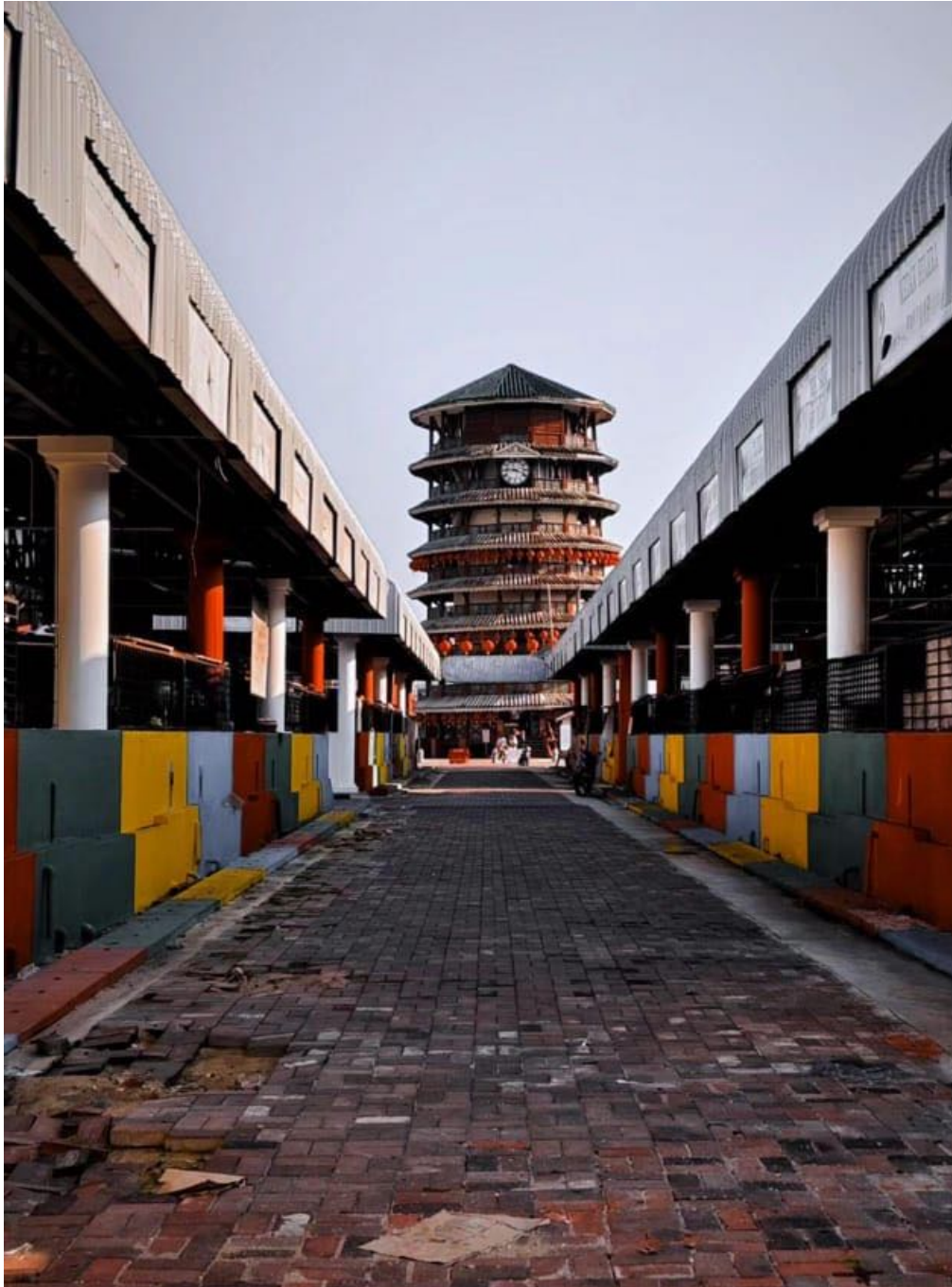
BATU TENGGEK

Nestled within the heart of Teluk Intan, Batu Tenggek holds profound historical and cultural significance, yet its location presents a series of challenges for both locals and tourists seeking to engage with its legacy. Situated in a secluded area away from the main thoroughfares, this memorial stands veiled from the casual observer, its solemn message obscured amidst the bustling activity of the town.

The lack of accessibility and visibility has rendered Batu Tenggek overshadowed, its profound importance often overlooked by passersby. Local residents may remain unaware of its historical significance, while tourists may find it challenging to locate and appreciate its cultural heritage amidst the maze of streets.

Despite its obscured location, Batu Tenggek remains a poignant testament to Teluk Intan's past, symbolizing the sacrifices and contributions of previous generations. Efforts to enhance its visibility and accessibility are essential to ensure that this vital memorial receives the recognition and reverence it rightfully deserves.

At the heart of Teluk Intan's main junction lies a solemn memorial in the form of a large stone, adorned with a poignant excerpt from "For The Fallen". This monument serves as a tribute to the brave soldiers who valiantly fought during World War I and World War II under the banner of the British Empire.



MEDAN SELERA

Nestled adjacent to the iconic Leaning Tower, Medan Selera stands as a culinary hub within Teluk Intan. With its diverse array of food stalls, it serves as a focal point for locals and tourists alike. Known for its eateries with blue rooftops, it is one of the main dining ports in the heart of Teluk Intan Town.

The Leaning Tower, or Menara Condong, towers majestically over Medan Selera, casting its historic shadow over the bustling eatery space. Once a vibrant marketplace teeming with life, the eatery space now lies dormant, a silent witness to the passage of time. However, its tranquil ambiance and architectural significance serve as a poignant reminder of Teluk Intan's rich heritage.

While the eatery space may no longer buzz with the lively chatter of patrons, its proximity to the iconic Leaning Tower lends it a sense of timeless allure. Visitors can still admire the tower's distinctive tilt and intricate architectural details while enjoying a meal or simply soaking in the atmosphere. As a symbol of Teluk Intan's past and present, the Leaning Tower stands as a testament to the town's enduring legacy, its silent presence adding depth and character to the surrounding landscape.



RIVER CRUISE

Teluk Intan offers visitors a serene and picturesque journey along its scenic waterways with the River Cruise, complemented by enchanting fireflies and bird watching at Pulau Bangau. Embarking on traditional boats, passengers glide gently along the tranquil rivers, admiring the charming riverside scenery and landmarks. Along the way, they can witness local life unfolding, from fishermen plying their trade to villagers going about their daily routines along the riverbanks.

As the boat navigates through the meandering river channels, passengers can immerse themselves in the natural beauty of Teluk Intan's riverscape, with lush greenery and quaint waterfront homes lining the banks. The river cruise also offers glimpses of local wildlife, adding to the immersive experience.

After enjoying the scenic river cruise, visitors can embark on a magical journey to Pulau Bangau, a natural sanctuary nestled within the river network. Here, amidst the mangrove trees, fireflies illuminate the night sky, creating a mesmerizing spectacle that captivates spectators of all ages. This enchanting experience allows visitors to connect with the beauty of Teluk Intan's biodiverse ecosystem while enjoying the wonder of nature's light show.

**BATU
TENGGEK**

GLUTTON'S PASS

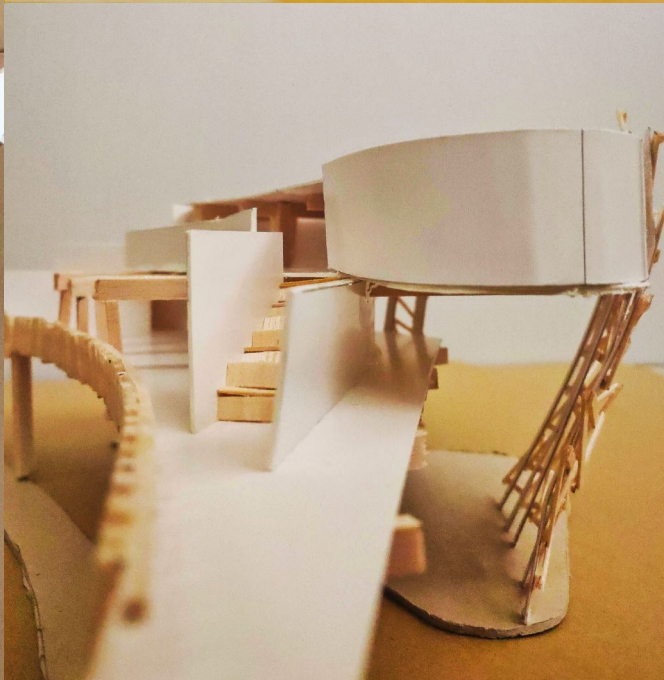
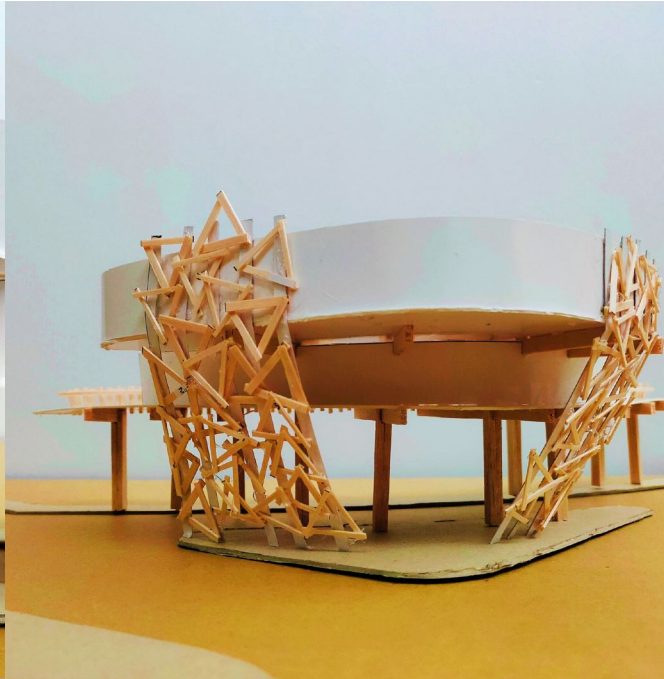
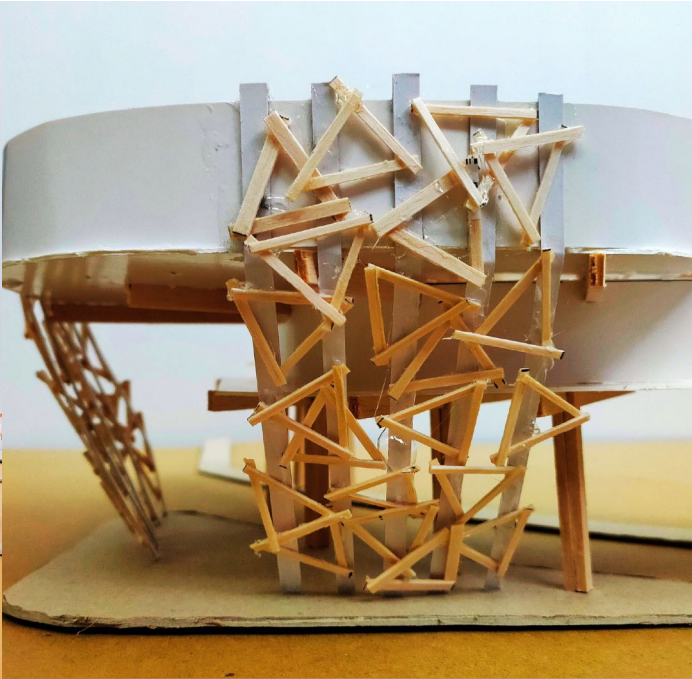
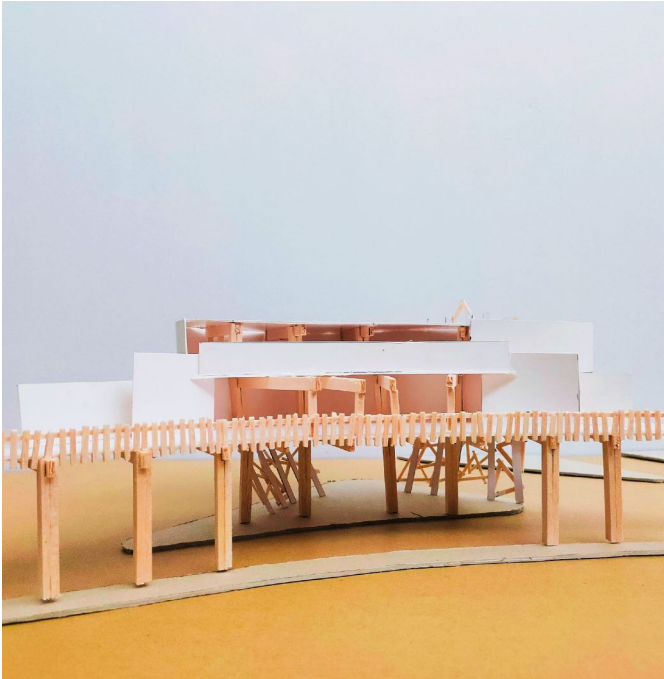
Irvin Yun
1002162591

"Glutton's Pass" is an innovative concept at the Batu Tenggek junction designed to showcase Teluk Intan's vibrant gastronomic scene. This placemaking initiative features linkages and ramps connecting all four directions, creating a safe communal space for exploring local delicacies amidst modernity.

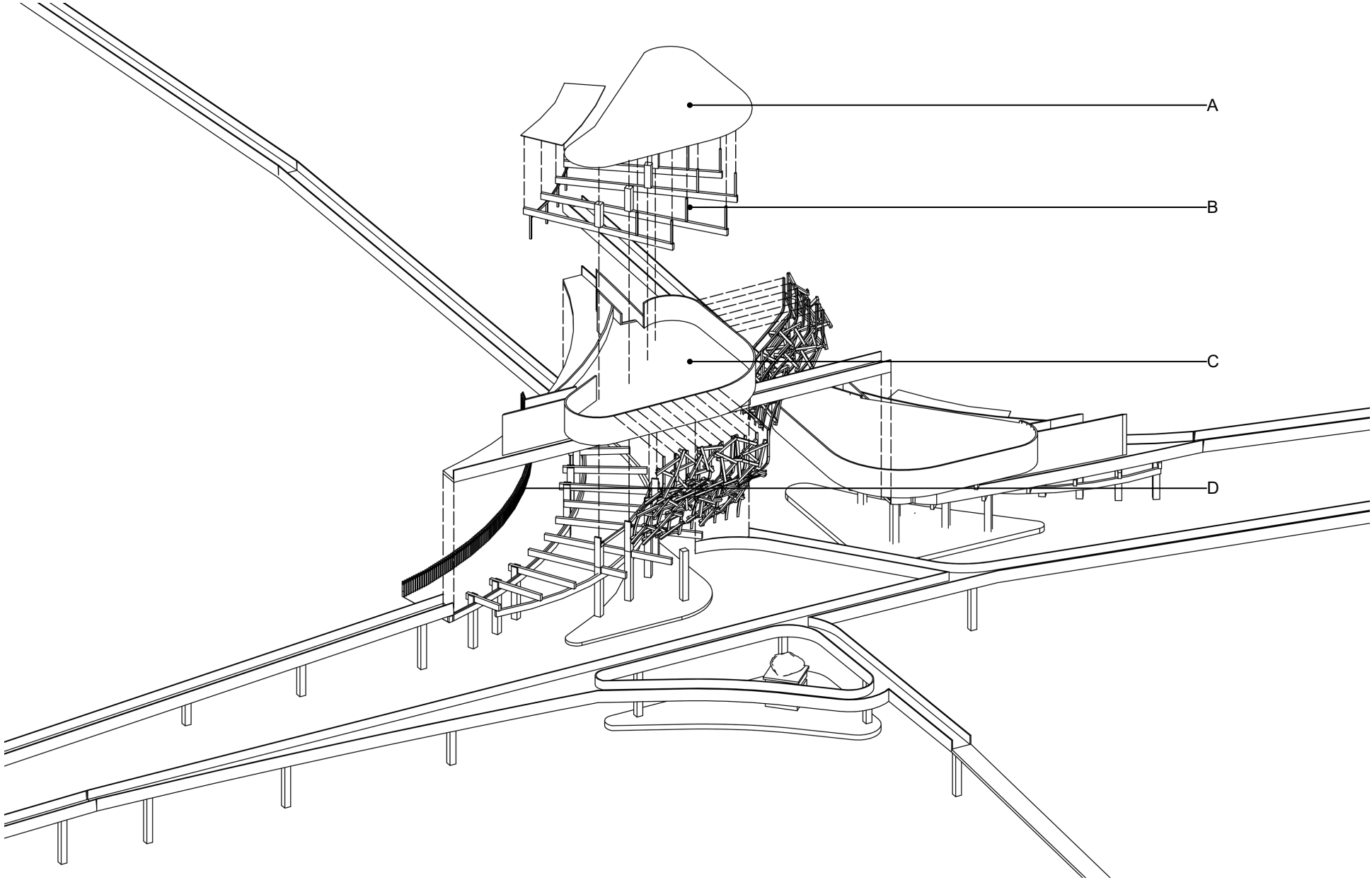
Following the theme of 'modern F&B displacing traditional F&B,' the pass offers a convenient grab-and-go experience on the first floor for those in a hurry. In contrast, the upper level provides a leisurely setting to savour Teluk Intan's local cuisine, offering scenic views of the iconic Menara Condong.

The lower level, catering to most pedestrians, hosts modern franchises to meet the quick and hassle-free needs of the public. On the upper level, local restaurants and kopitiam (traditional coffee shops) of Teluk Intan can set up food stalls and temporary kitchens. To ensure a diverse culinary experience, these establishments are proposed to rotate monthly, offering locals and visitors a fresh and unique dining experience each time.

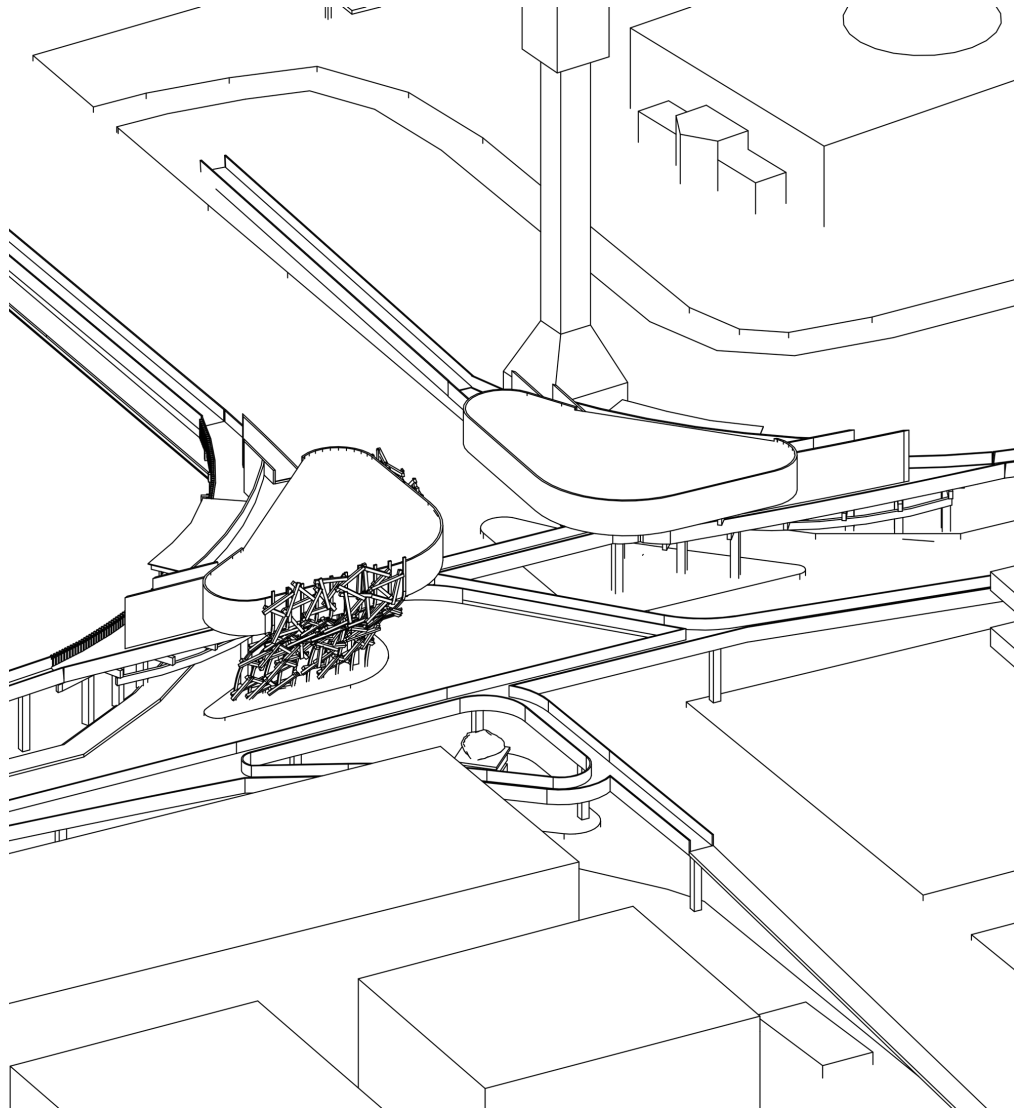
MODEL PHOTOGRAPHS



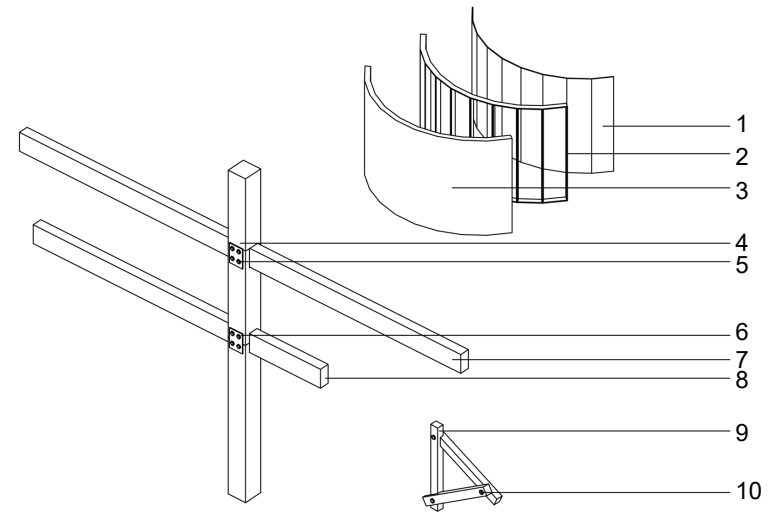
EXPLODED AXONOMETRIC DRAWING



AXONOMETRIC DRAWING



DETAIL DRAWING



1. 2700 X 1000 X 20MM TIMBER PANEL HORIZONTAL WALL CLADDING FOR INTERIOR FINISHES
2. LIGHT GAUGE STEEL-FRAMING SYSTEM FITTED WITH CURVED STEEL TRACKS FOR TOP TRACK AND BOTTOM TRACK
3. CURVED REINFORCED CONCRETE WALL WITH SMOOTH EXTERIOR FINISH
4. 2700 X 600 X 600MM HARDWOOD TIMBER COLUMN WITH LAP JOINT
5. STEEL PLATE FITTED WITH NUTS AND BOLTS TO CONNECT COLUMN LAP JOINTS TO CANTILEVERED BEAM
6. STEEL NUTS AND BOLTS FIXED ON STEEL PLATES FOR BEAM AND COLUMN CONNECTION
7. 13000 X 600 X 200MM HARDWOOD TIMBER BEAM
8. 6000 X 600 X 200MM HARDWOOD TIMBER BEAM
9. 2500 X 300 X 100MM HARDWOOD TIMBER LAP-JOINTED FACADE DETAIL
10. LAP-JOINTED FACADE FASTEN WITH SCREW

- A. REINFORCED CONCRETE SLAB AS FLAT ROOFING SUPPORTED BY HARDWOOD TIMBER BEAMS AND BATTONS
- B. 2700 X 300 X 300MM HARDWOOD TIMBER SECONDARY COLUMN
- C. REINFORCED CONCRETE SLAB WITH WOOD GRAIN TILING AS FLOOR FINISH
- D. 1500 X 200 X 200MM HARDWOOD TIMBER POSTS AT 100MM CENTER AS FENCE FITTED WITH METAL RAILING 900MM ABOVE FINISHED FLOOR LEVEL

HOME OF BATU TENGGEK

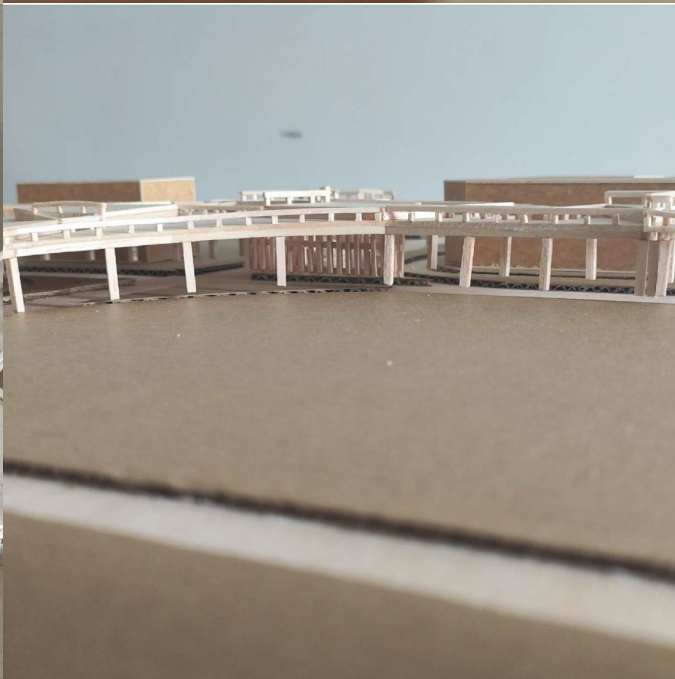
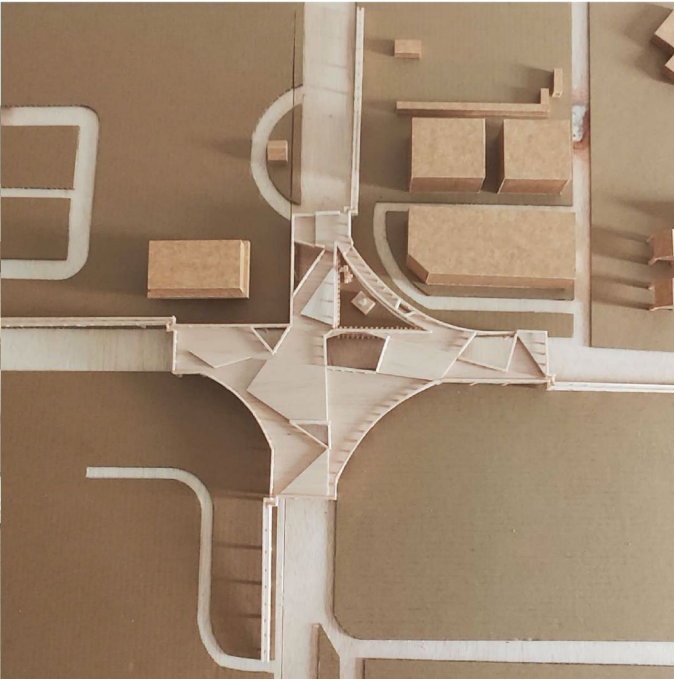
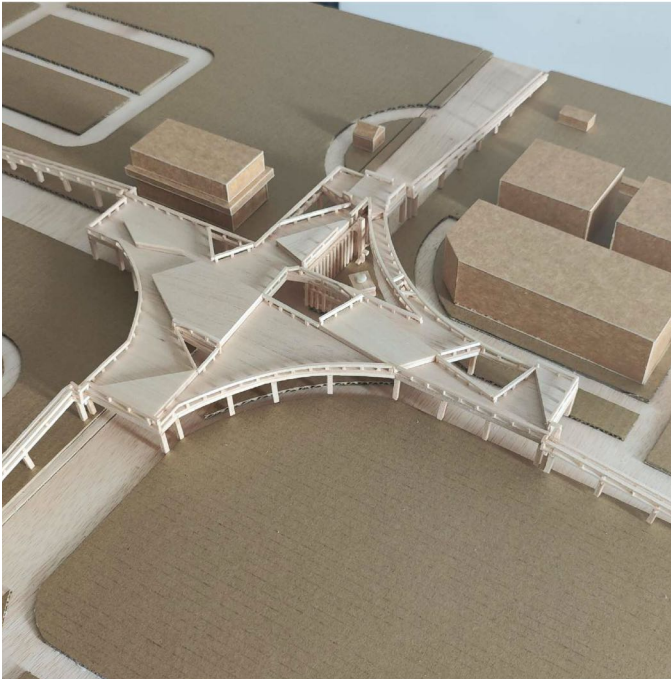
HOW CHIN KIAT
1002268618

Teluk Intan is renowned for its rich heritage trails, with Batu Tenggek as a prominent landmark. The primary goal of this placemaking project is to provide a new 'home' for Batu Tenggek, which currently sits displaced at a bustling road junction, often overlooked by tourists. Despite its historical significance, Batu Tenggek's relocation due to urban development has led to its obscurity. Originally placed by British soldiers next to a traditional Malay house, Batu Tenggek now finds itself in a challenging location, lacking proper signage and accessibility.

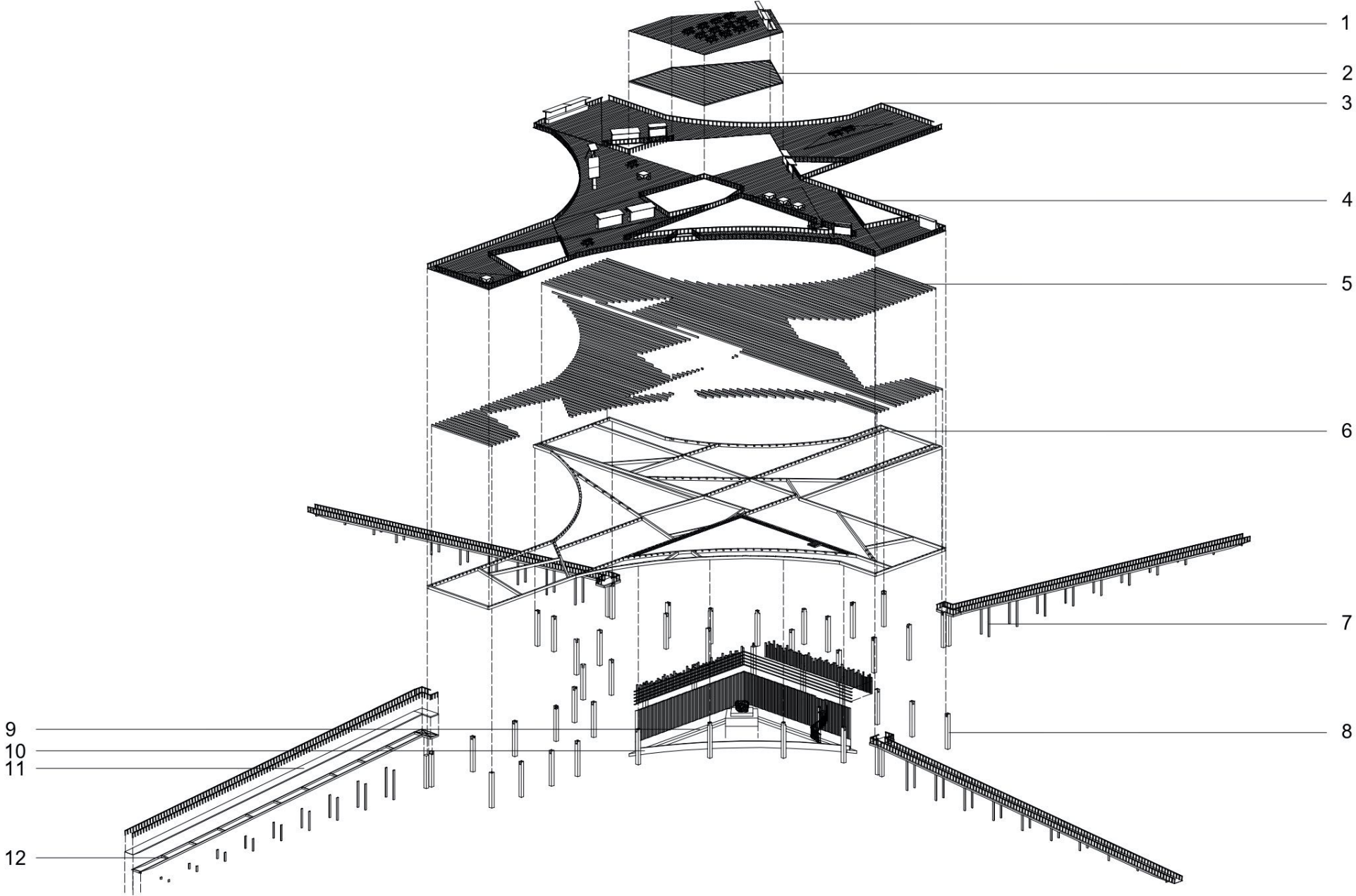
The proposed design approach involves creating an open-space gallery atop a bridge or tunnel that connects existing walkways. This bridge will feature four ramps, each linked to a different road and its nearest parking area. These ramps will also serve as walkways to Batu Tenggek, guiding visitors through a gallery that showcases the history of this significant site.

The project aims to not only provide a new and accessible location for Batu Tenggek but also to raise awareness among tourists about its historical importance. By creating a safe and informative space, the design seeks to revitalise interest in this heritage site and enhance the overall cultural experience of Teluk Intan.

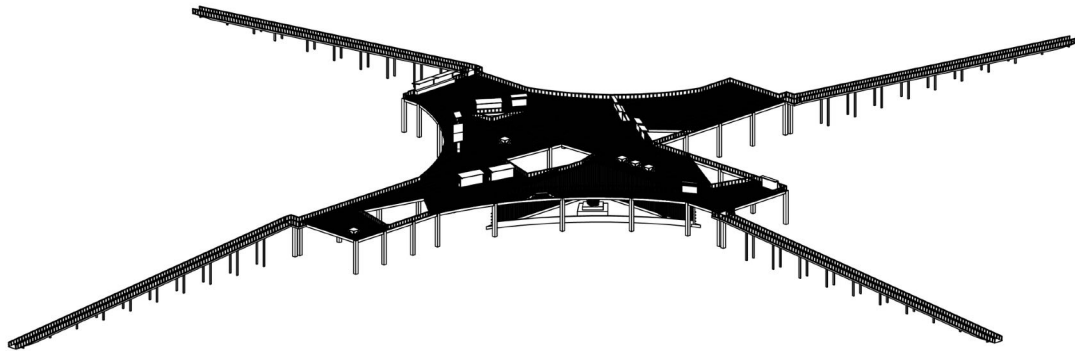
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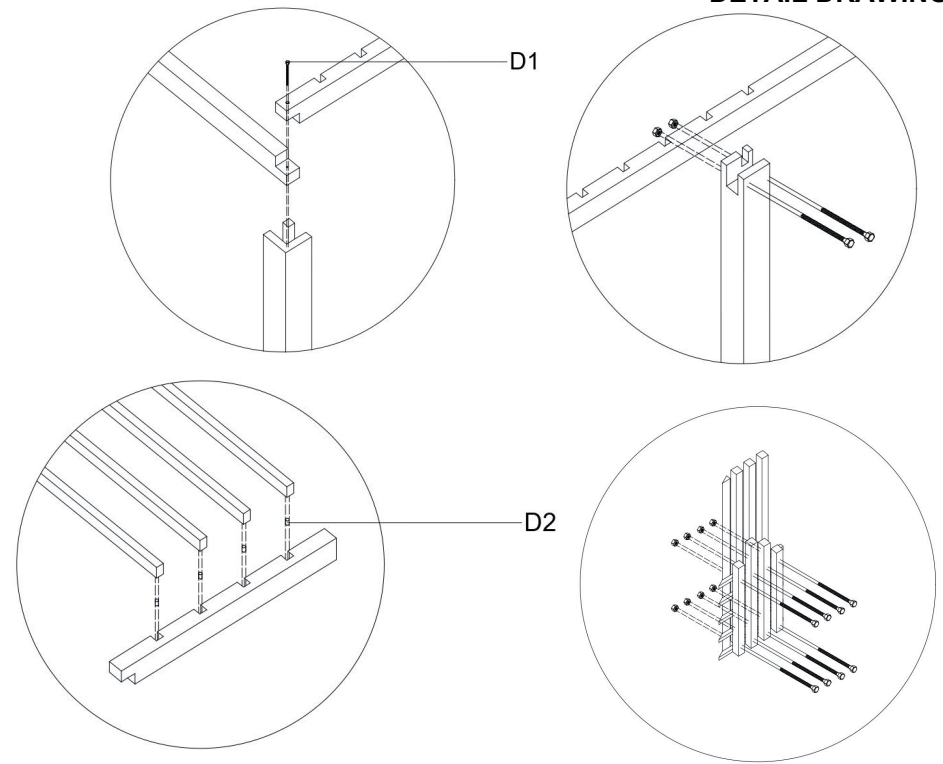
EXPLODED AXONOMETRIC DRAWING



AXONOMETRIC DRAWING



DETAIL DRAWING



1. 3600 X 300 X 20 MM H.W. TIMBER PLANKS
2. 4800 X 150 X 150 MM GLUE LAMINATED TIMBER WITH REINFORCEMENT REBAR IN THE MIDDLE @ FLOOR JOIST
3. 2000 X 100 X 100 MM H.W. TIMBER @ RAILING
4. 100 X 100 X 800 MM H.W. TIMBER @ BALUSTER
5. 5000 X 150 X 250 MM GLUE LAMINATED TIMBER WITH REINFORCEMENT REBAR IN THE MIDDLE @ FLOOR JOIST
6. 6000 X 300 X 500 MM GLUE LAMINATED TIMBER WITH REINFORCEMENT REBAR IN THE MIDDLE @ BEAM
7. 150 X 300 5500 MM CONCRETE COLUMN
8. 600 X 600 X 6500 MM GLUE LAMINATED TIMBER WITH REINFORCEMENT REBAR IN THE MIDDLE @ COLUMN
9. 28500 X 800 X 500 MM CONCRETE BASE
10. 1200 MM HEIGHT CURVE BRICK WALL
11. 72000 X 2000 X 150 MM CONCRETE SLAB
12. 1700 X 150 X 300 MM CONCRETE BEAM

D1. M20 NUT & BOLT

D2 . D:60 X 100 MM H.W. TIMBER STUD

FOR THE FALLEN UNDERPASS

Tristan Tio Hock Haw
1002265645

Standing as a solemn tribute at the heart of Teluk Intan's main junction is a monumental stone inscribed with a verse from "For The Fallen," commemorating the valour of soldiers who fought for the British Empire in World Wars I and II.

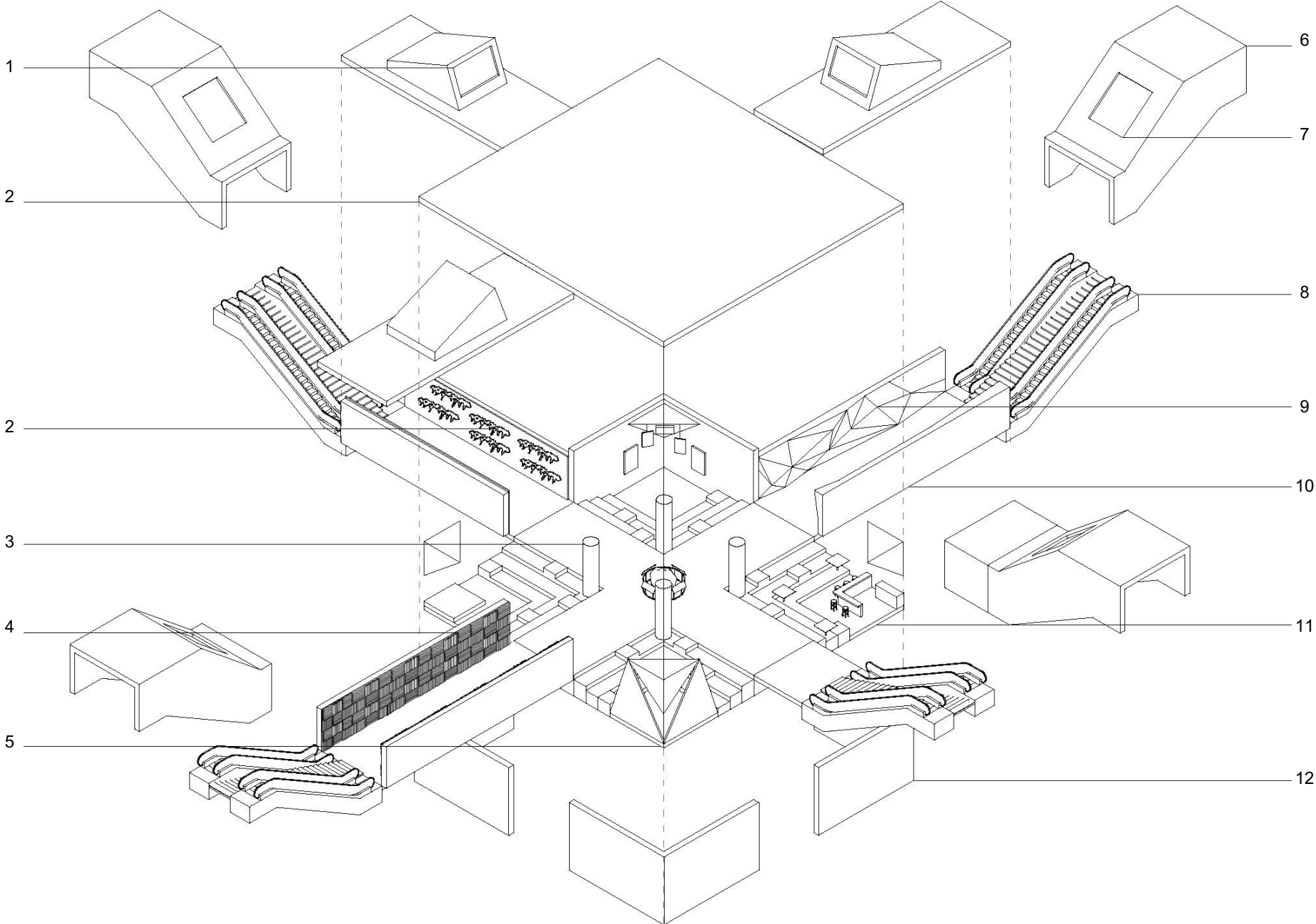
The proposed new memorial aims to enrich the significance of the existing stone by creating a space that resonates with the local community and its surroundings, reflecting their collective history and aspirations.

Central to the design concept is an underpass that connects the four main areas divided by the junction. This underpass serves as a practical pathway for daily commuters while incorporating elements that narrate the history of the wars and the importance of the memorial stone. The underpass experience is meticulously crafted through thoughtful form, materials, and lighting, aiming to evoke a deep appreciation for the layers of history and the enduring impact of war.

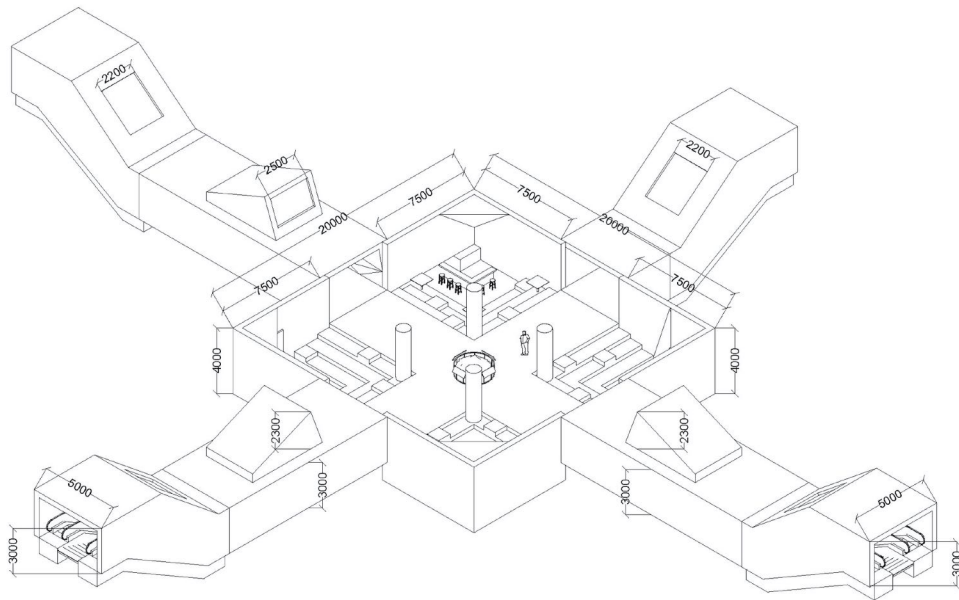
MODEL PHOTOGRAPHY



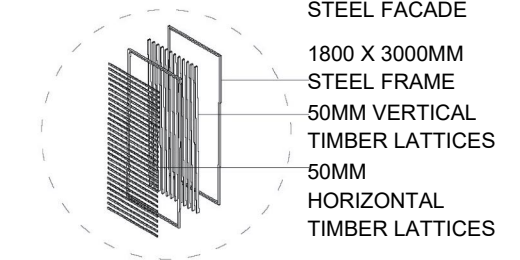
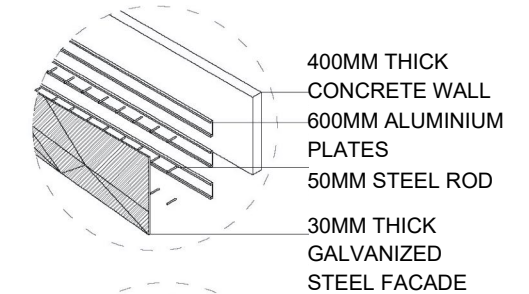
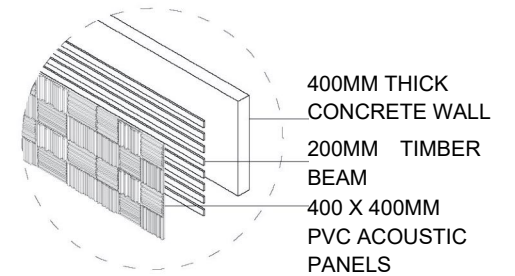
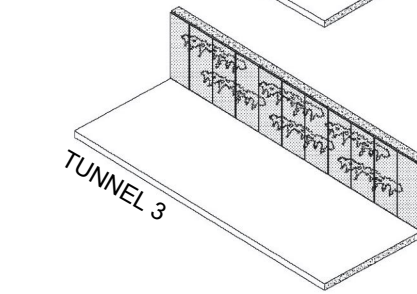
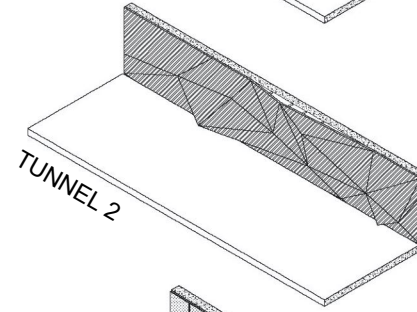
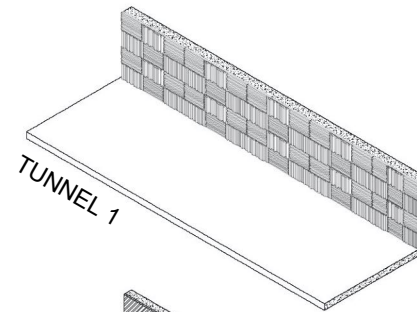
EXPLODED AXONOMETRIC DRAWING



AXONOMETRIC DRAWING



DETAIL DRAWING



1. 1800 X 2500MM TEMPERED GLASS SKYLIGHT
2. 800MM CONCRETE BRC FOUNDATION
3. 13000 X 3000MM VERTICAL GARDEN WALL
4. 1000MM DIAMETER REINFORCED CONCRETE MAIN COLUMN
5. 400 X 400MM PVC FOAM ACOUSTIC PANELS
6. 400MM BRC CONCRETE PADDING FOUNDATION
7. 400MM CONCRETE TUNNEL
8. 30MM TEMPERED GLASS SKY WINDOW
9. 1200 X 11000MM 26-STEP ALUMINIUM ESCALATOR
10. 30MM THICK GALVANIZED STEEL FACADE PANELS
11. 400MM REINFORCED CONCRETE WALL
12. 400MM REINFORCED CONCRETE RAW FLOORING
13. 400 MM REINFORCED CONCRETE CORNER WALL

BRIDGE OF HERITAGE

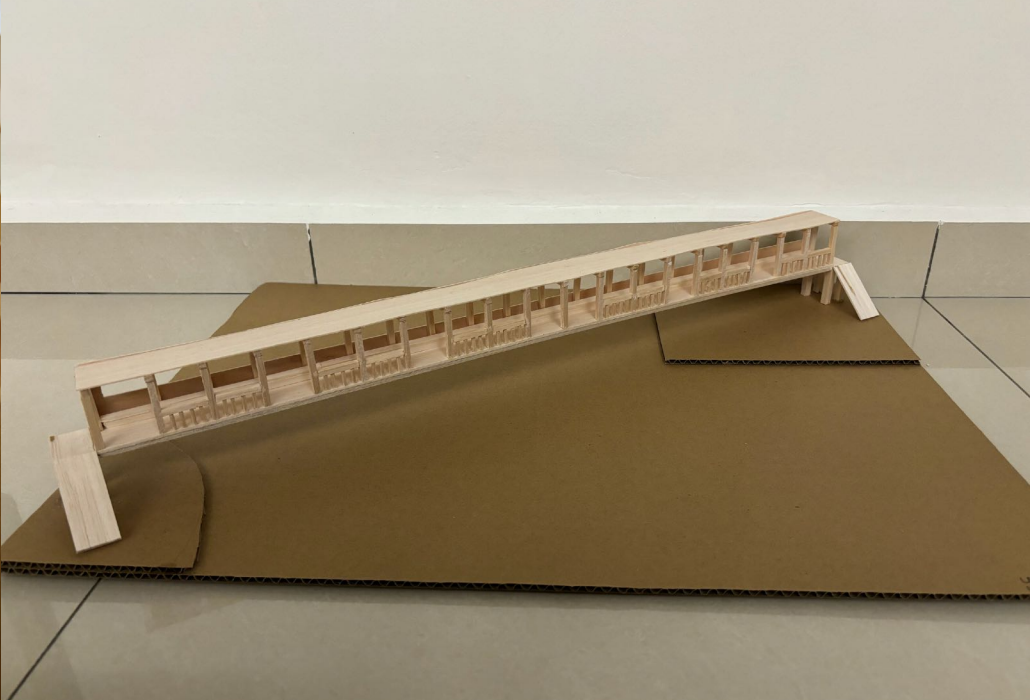
Lee Yi Xin
1002266687

The Heritage Bridge in Teluk Intan is a remarkable symbol of the town's rich history and cultural heritage. Built primarily with concrete and dark timber, its design embodies strength and elegance. What sets this bridge apart is its covered walkway, adorned with vibrant stained glass panels. Each panel tells a story, offering glimpses into Teluk Intan's past, from ancient trade routes to local folklore.

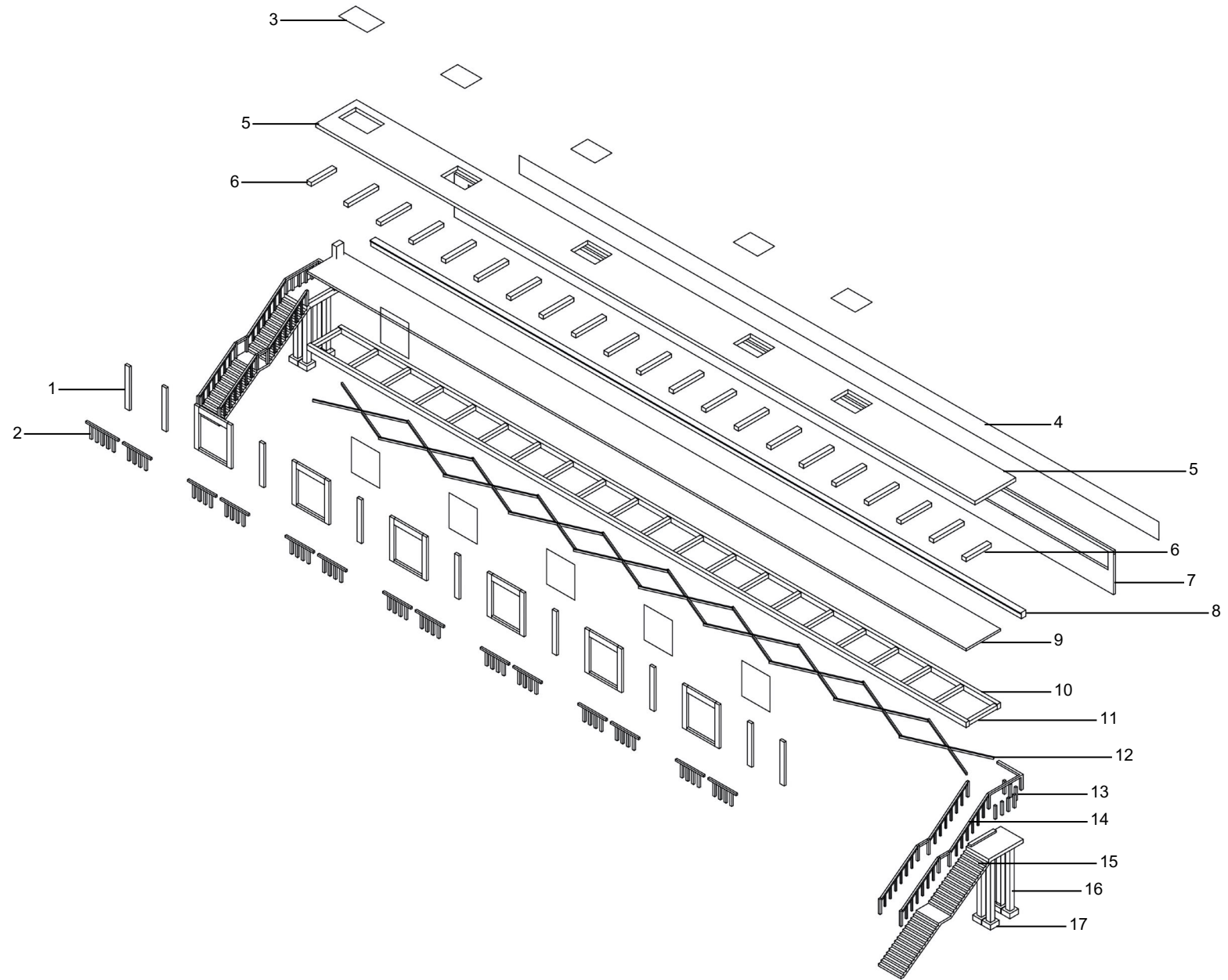
The bridge, facing a memorial stone, poignantly reminds visitors of the town's history and the sacrifices of its people. It provides a space for contemplation and reflection, inviting pedestrians to pause and honour the past. Situated at a busy junction, the bridge also serves as a gathering point, bringing together people from all walks of life.

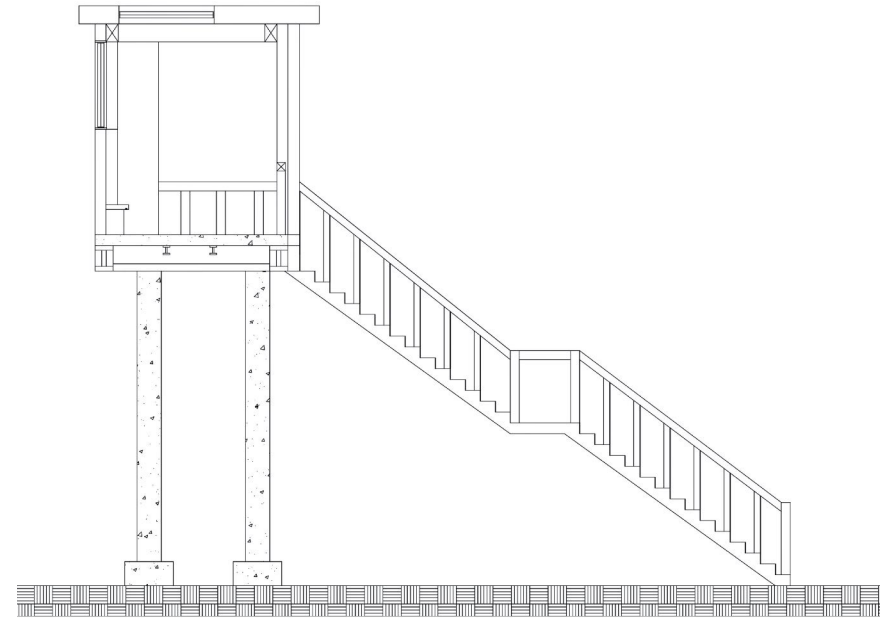
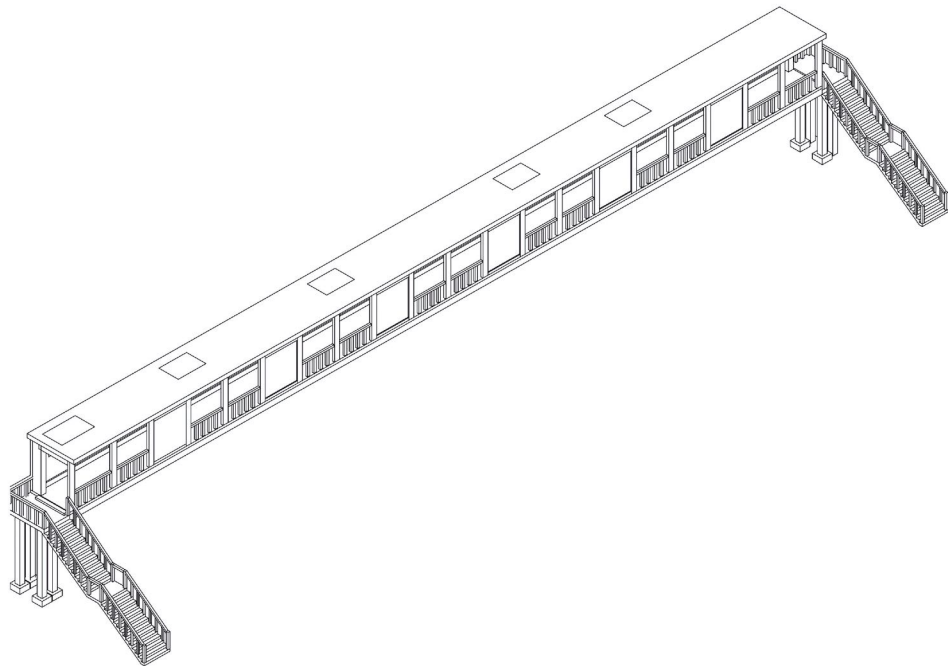
In addition to its cultural significance, the Teluk Intan Heritage Bridge prioritises accessibility and safety. Sturdy handrails and ample lighting ensure that pedestrians of all ages and abilities can comfortably traverse its length. This commitment to inclusivity enhances the bridge's appeal, making it a beloved landmark for locals and a must-visit destination for tourists, making everyone feel valued and welcomed.

MODEL PHOTOGRAPHY



EXPLODED AXONOMETRIC DRAWING





1. 400MM X 3500MM CONCRETE COLUMN
2. 140MM X 140MM TIMBER FENCE
3. 1580MM X 2640MM STAINED GLASS
4. 900MM X 5900MM STAINED GLASS
5. 3800MM X 60800MM TIMBER PANELING ROOF
6. 400MM X 2340MM TIMBER BEAM
7. 3500MM X 60800MM CONCRETE WALL
8. 500MM X 500MM TIMBER BENCH
9. 3200MM X 60800MM CONCRETE FLOORING
10. 300MM X 300MM STEEL SILL
11. 2600MM X 300MM STEEL FLOOR JOIST
12. STEEL BOTTOM LATERAL BRACING
13. 150MM X 150MM TIMBER BALLUSTER
14. TIMBER HANDRAIL
15. 180MM X 250MM STEEL STAIRS
16. 600MM X 3000MM CONCRETE BLOCK
17. 400MM X 800MM CONCRETE FOOTING

LINK ETHOS

AZFAR NAZEEM MUHD KAMAL

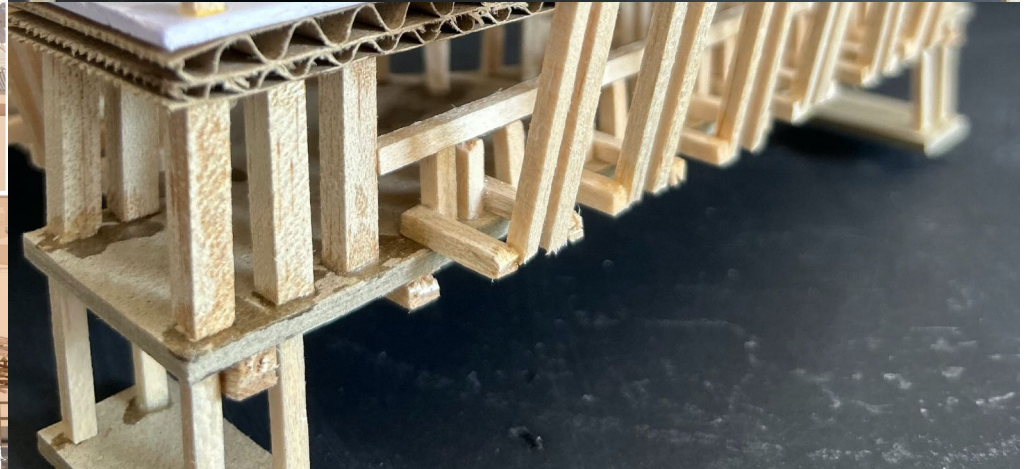
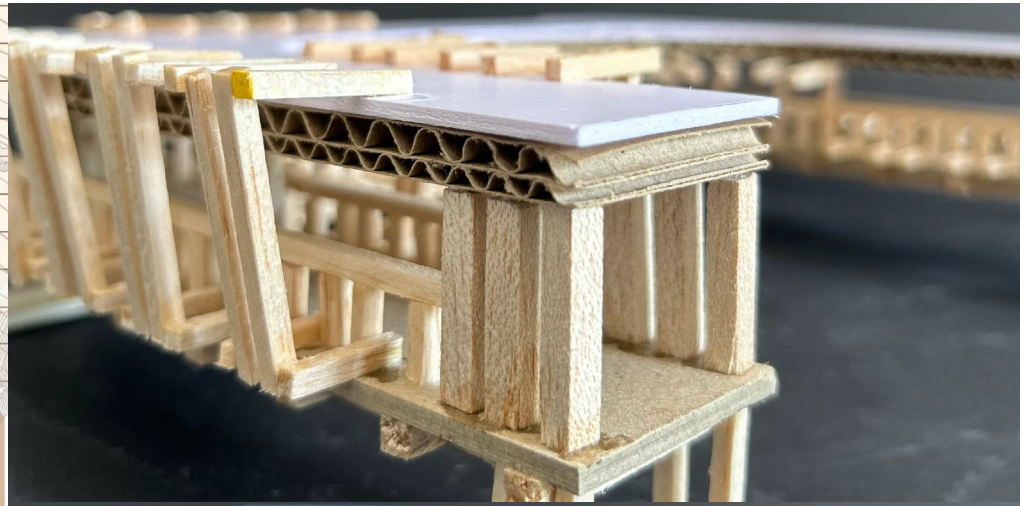
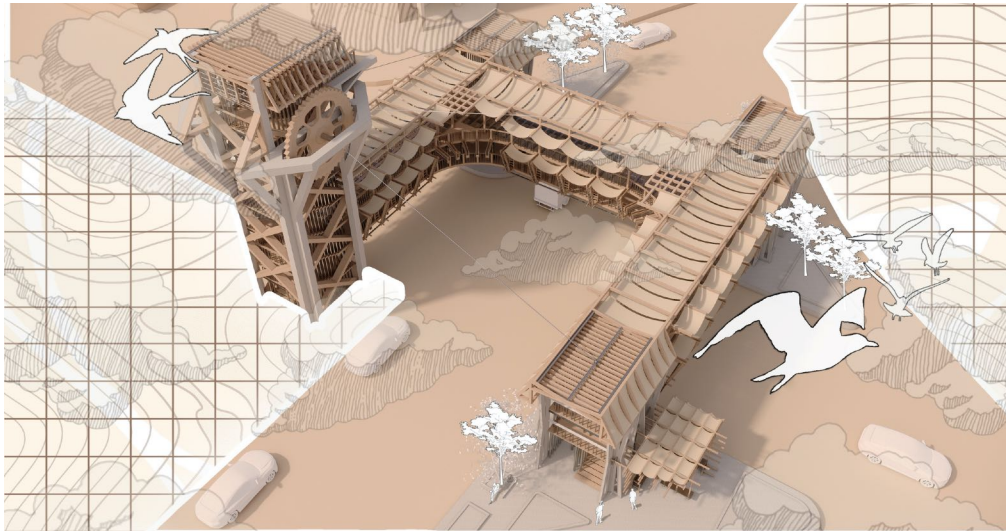
1002268676

"Link Ethos" is a visionary project that harmoniously blends Malay traditional cultural activities into a modern architectural setting. Central to this design is the integration of traditional arts and crafts markets, complemented by traditional flash mobs, creating a dynamic and engaging environment.

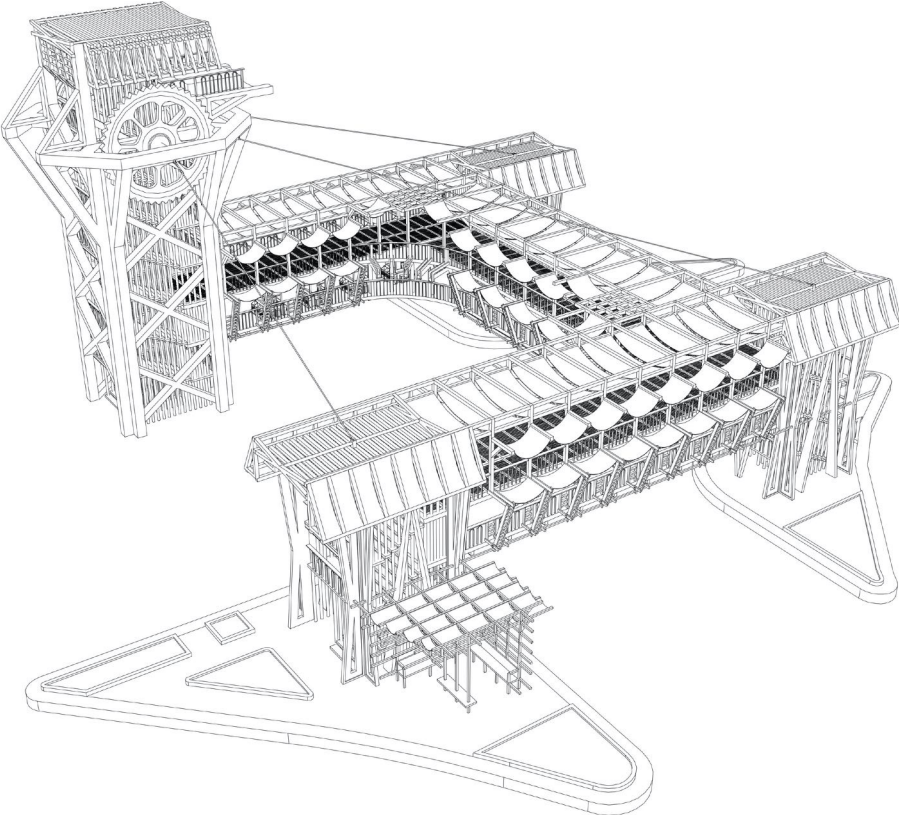
The design features traditional wooden stalls that serve as vibrant hubs for showcasing arts and crafts. Additionally, themed cultural zones offer interactive workshops, surprise traditional flash mobs, and ethnic food stalls, all contributing to an immersive and enriching experience.

Through the celebration of Malay heritage and the promotion of community engagement, "Link Ethos" aims to preserve traditions while embracing creativity in a contemporary context.

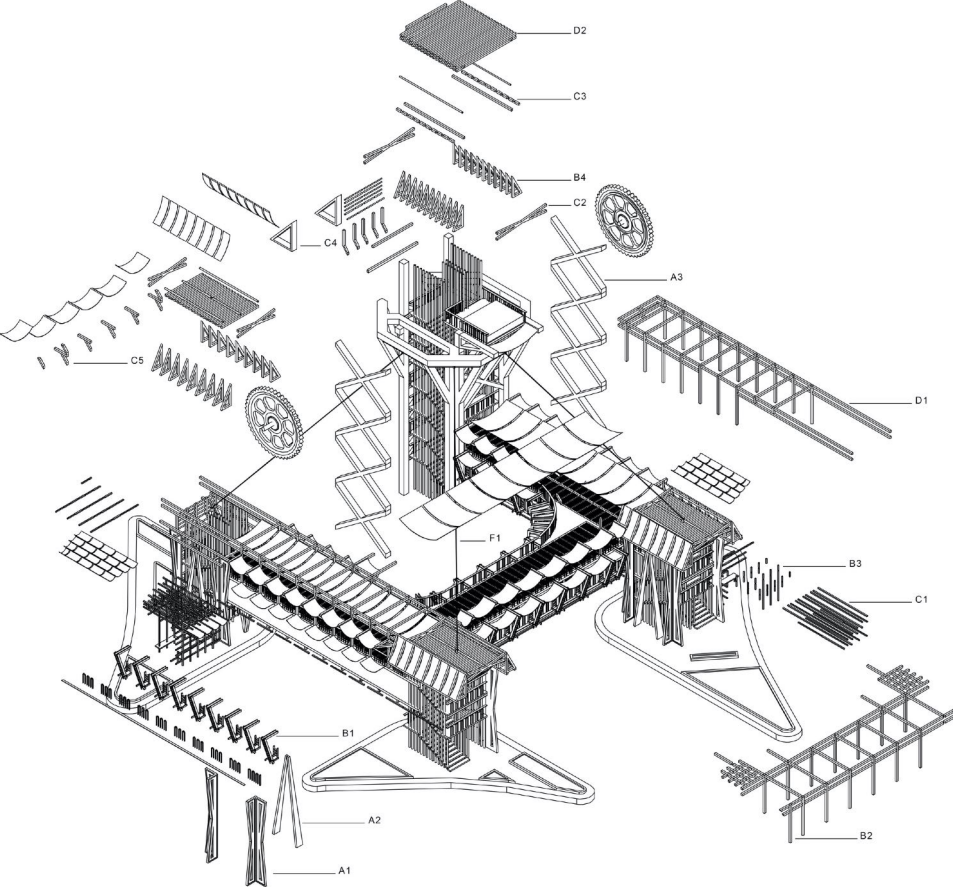
MODEL PHOTOGRAPHY



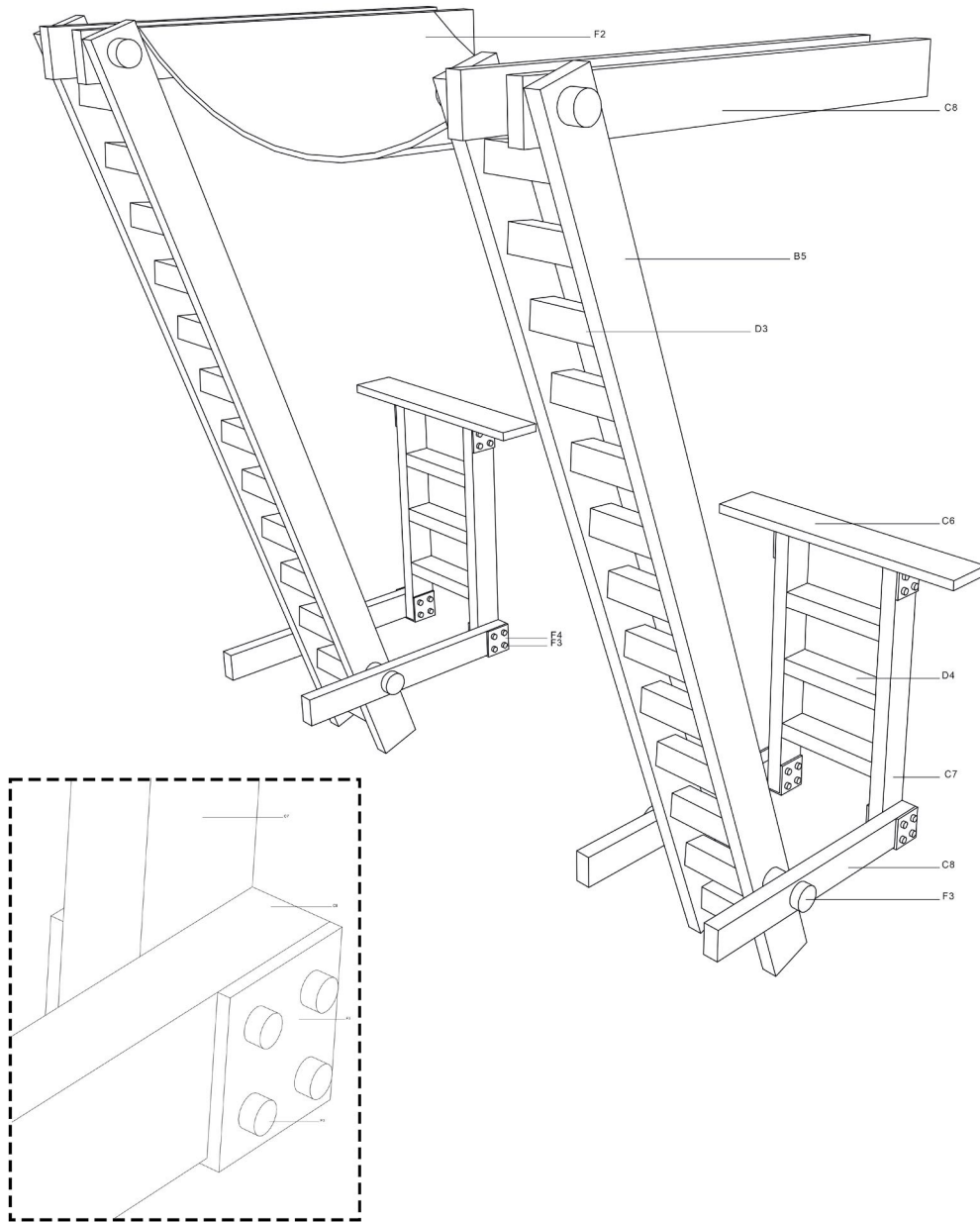
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



A. SUPERSTRUCTURE

1. 300MM VERTICAL & HORIZONTAL BRICK COLUMN
2. 150MM BRICK COLUMN SUPPORT

B. PRIMARY STRUCTURE

1. 50X150MM TIMBER VERTICAL LOUVRE@BROWN CHALET
2. 150X150MM TIMBER STUDS SET
3. 75X75MM WOODEN COLUMN
4. 150X150MM TIMBER FRAME ROOF BRACKET
5. 50X150MM TIMBER VERTICAL LOUVRE@BROWN CHALET

C. SECONDARY STRUCTURE

1. 75X75MM WOODEN GRID ROOF RAFTER
2. 150MM TIMBER

D. FINISHES

1. 150X150MM TIMBER

F. MISCELLANEOUS

1. 6MM WIRE ROPE TENSION @METRIC THREAD EYEBOLTS & NUTS
2. 8M STAINLESS STEEL SPUR GEAR
3. 300MM DIA. PE BUOYS
4. M8 STAINLESS STEEL BOLT AND NUT
5. 45° ANGLED STAINLESS STEEL PLATE JOINERY
6. 4X30MM STAINLESS STEEL PLATE @RED PAINT COATING

GALLERY BRIDGE

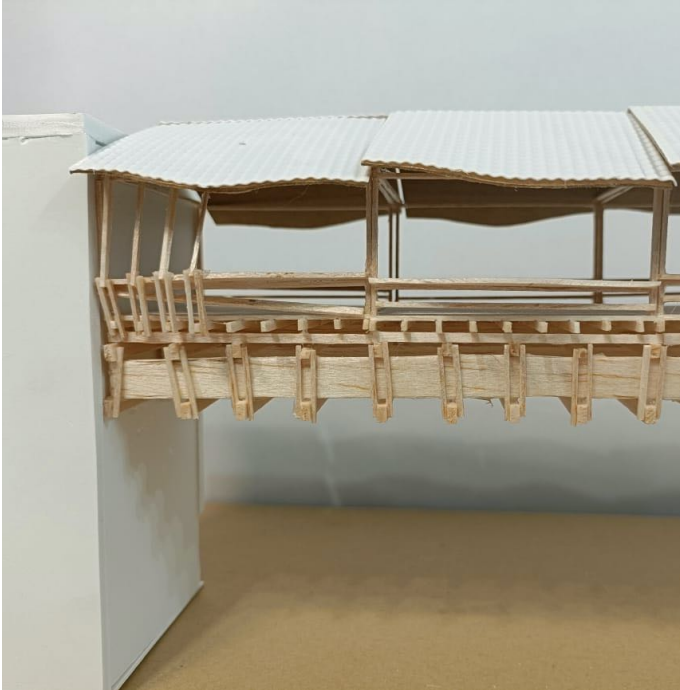
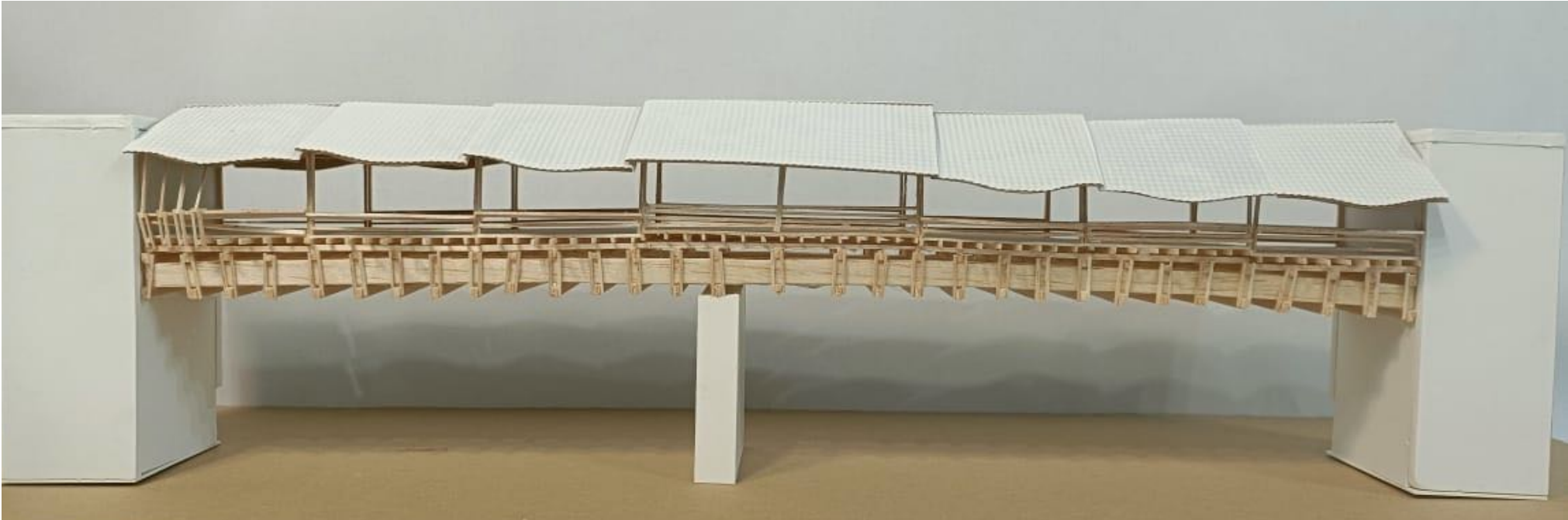
Adina Mercelia
1002266705

The Gallery Bridge project, situated at Batu Tenggek junction, represents a unique architectural endeavour aimed at connecting the grass field and religious area of Teluk Intan. The bridge's design incorporates 12 exhibition tables to showcase the various festivals that enrich the town's cultural tapestry.

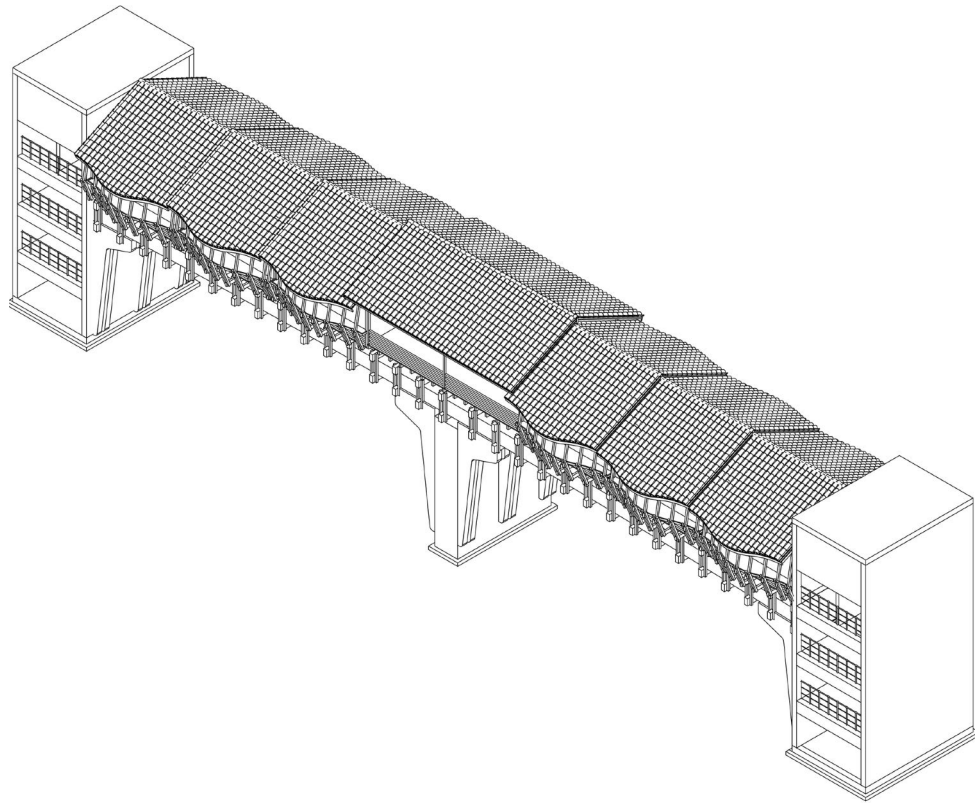
Inspired by Teluk Intan's cultural diversity, the bridge embodies the harmonious coexistence of different cultural backgrounds within the community. This diversity is a key driver of the town's development and identity. Furthermore, the bridge's shape draws inspiration from the dragon dance, a prominent cultural tradition in Teluk Intan. This influence is reflected in the bridge's dynamic form, mirroring the fluidity and intricacy of dragon movement and skin texture.

The Gallery Bridge not only serves as a functional link between two areas but also stands as a symbol of Teluk Intan's cultural richness and communal spirit.

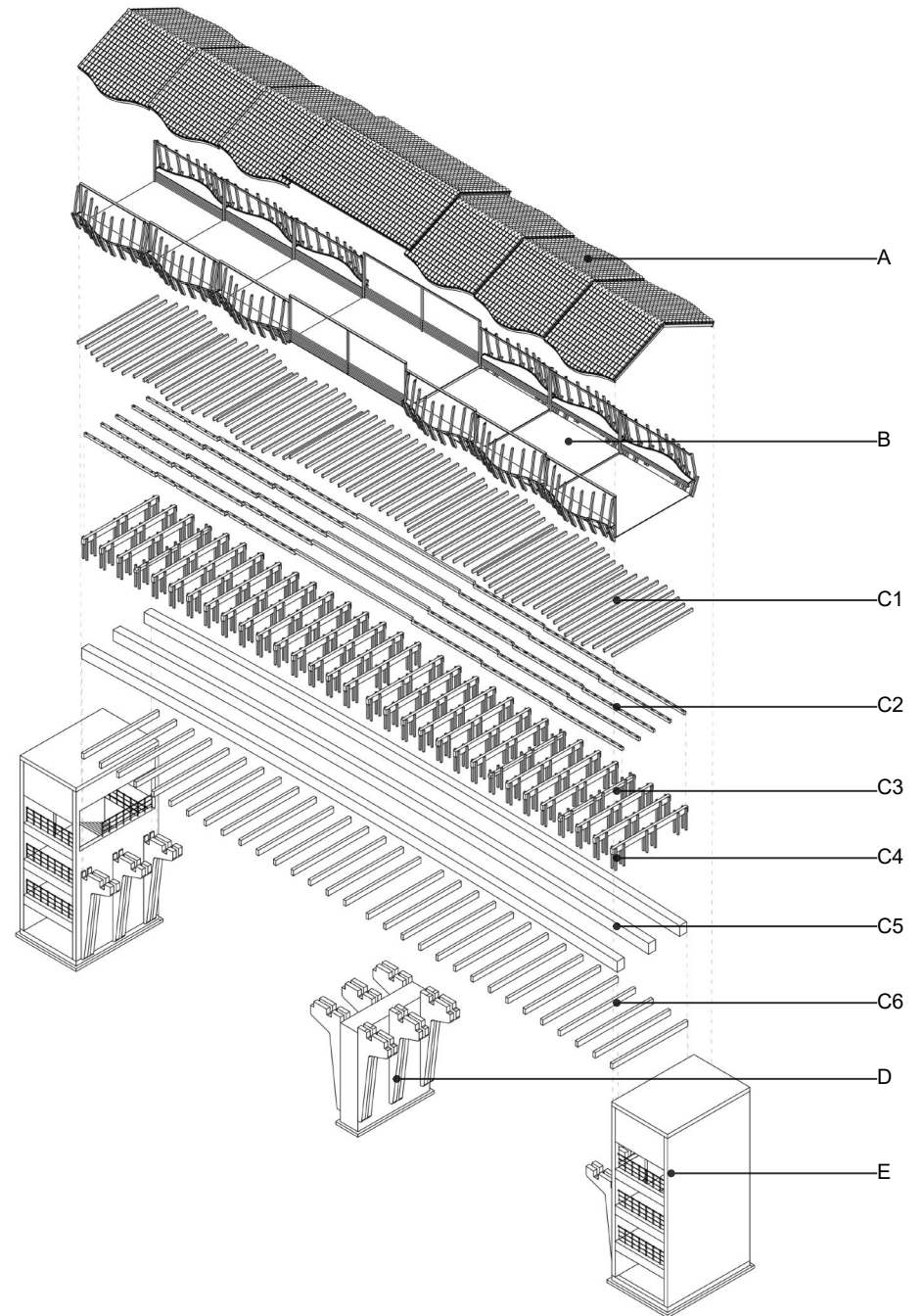
MODEL PHOTOGRAPHY



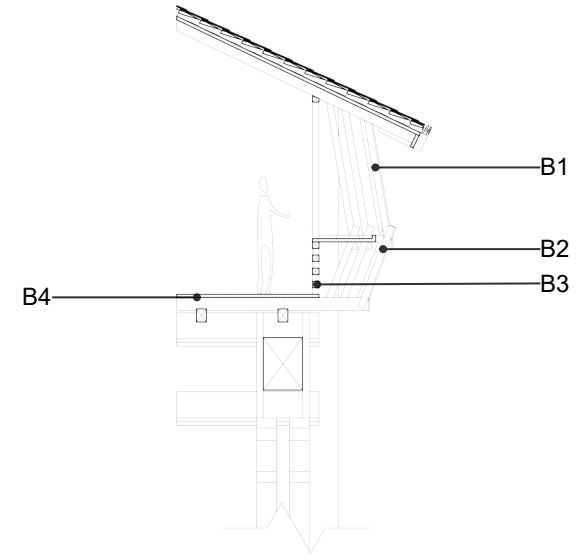
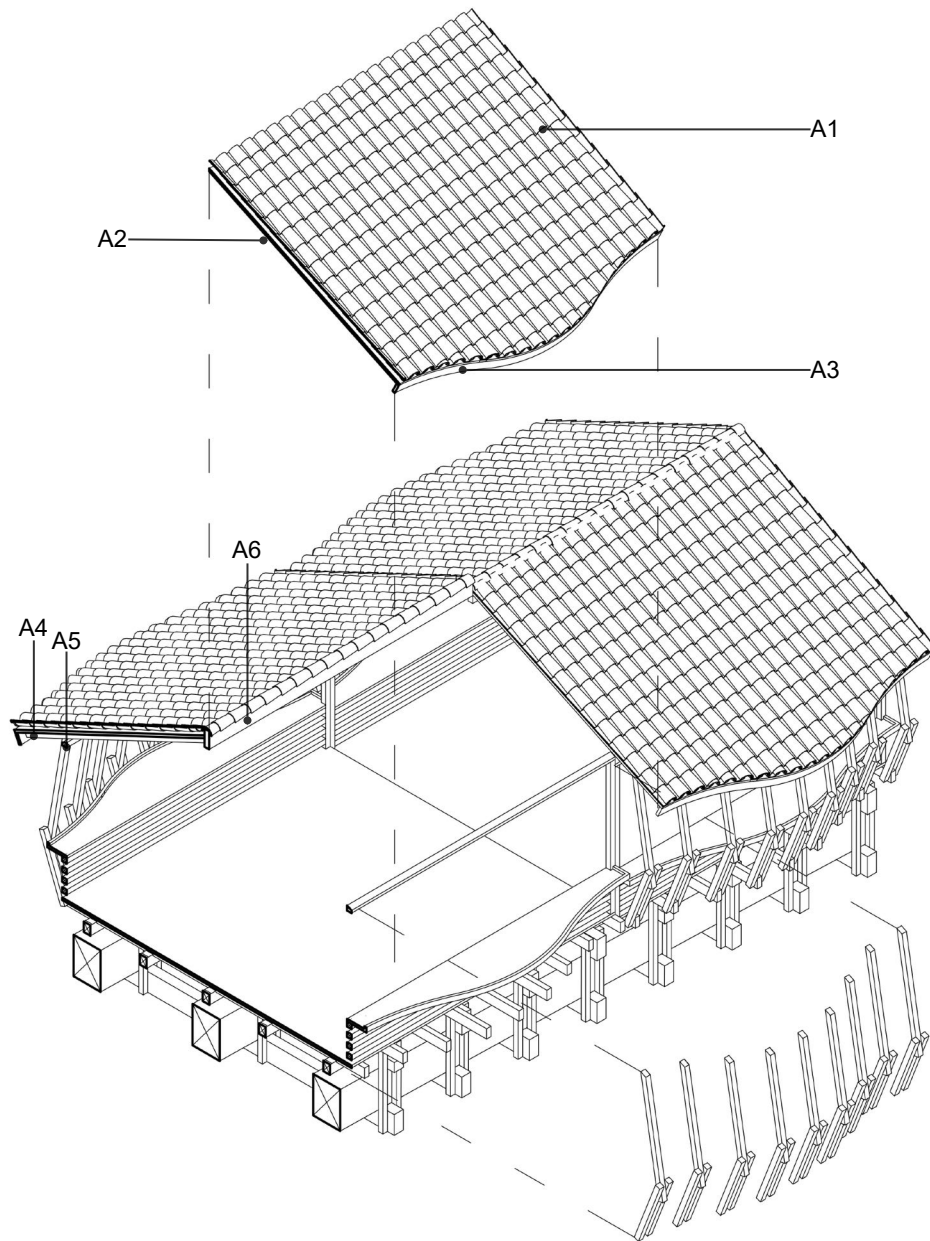
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



A. ROOF STRUCTURE

- A1. CLAY ROOF TILES
- A2. 50 MM TIMBER BOARD
- A3. 50 MM TIMBER FASCIA BOARD
- A4. 100X150 MM TIMBER RAFTER
- A5. 100X100MM TIMBER BEAM FOR ROOF
- A6. 100X350MM TIMBR RIDGE

B. CORRIDOR STRUCTURE

- B1. 50X50MM HARDWOOD SUPPORTING MEMBER
- B2. 50X50MM HARDWOOD SUPPORTING MEMBER
- B3. 50X50MM HARDWOOD RAILINGS
- B4. 50 MM TIMBER BOARD FLOORING

C.PRIMARY STRUCTURE

- C1. 100X200MM TIMBER FLOOR JOIST
- C2. 150X200MM TIMBER SUPPORTING FOR FLOOR JOIST
- C3. 200X400MM TIMBER WOODEN VERTICAL MEMBERS
- C4. 50X50MM TIMBER WOODEN STICK AS CONNECTION
- C5. 600X800MM TIMBER WOODEN CURVED BEAM
- C6. 200X400MM TIMBER WOODEN VERTICAL MEMBERS

D. TIMBER ARCH FOUNDATION

E. STAIRCASE TOWER

HERITAGE NEXUS

Jody Chan Mei Yan
1002266777

The proposed project aims to transform a site into a vibrant gateway to Teluk Intan's rich history. Focusing on bridging the present with the past, the concept emphasises the use of organic shapes and contextual design strategies to evoke the town's unique heritage. Recognising the need for greater awareness and appreciation of the town's diverse heritage structures, the project's design approach seeks to foster a sense of connection and appreciation for these historical landmarks.

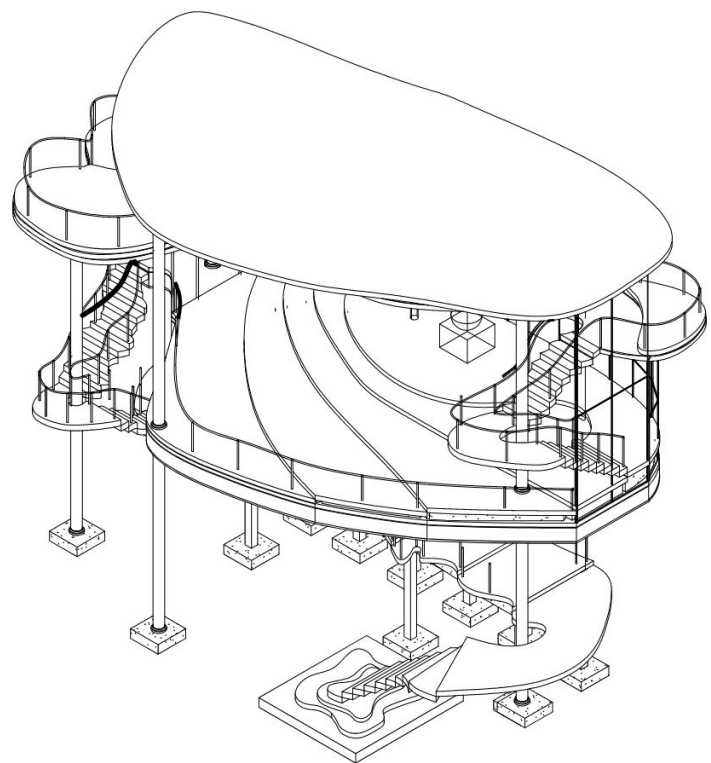
Drawing inspiration from critical regionalism, the design framework authentically reflects Teluk Intan's identity. It is integrating elements such as natural sunlight and ventilation while providing platforms for visitors to engage with the town's hidden architectural treasures. The Heritage Nexus project aspires to uncover the rich narratives woven into Teluk Intan's architectural history, inviting locals and visitors to explore and admire the town's heritage beyond its iconic Leaning Tower.

The project aims to not only provide a new and accessible location for Batu Tenggek but also to raise awareness among tourists about its historical importance. By creating a safe and informative space, complete with modern safety features and easy access for all, the design seeks to revitalise interest in this heritage site and enhance the overall cultural experience of Teluk Intan.

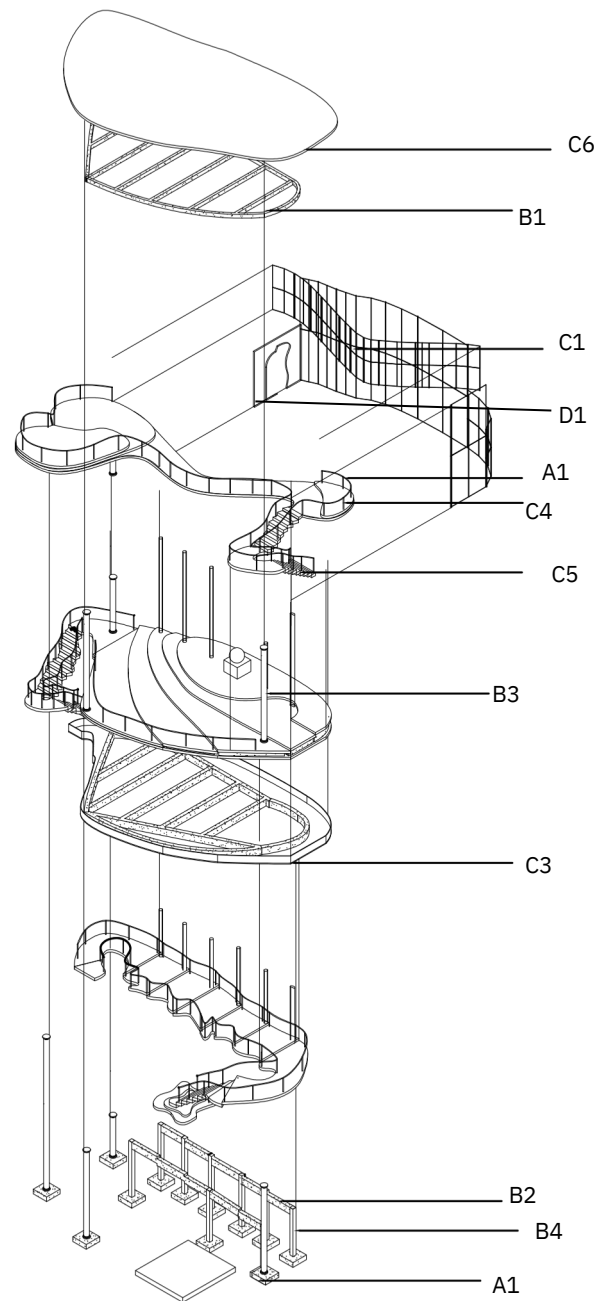
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING

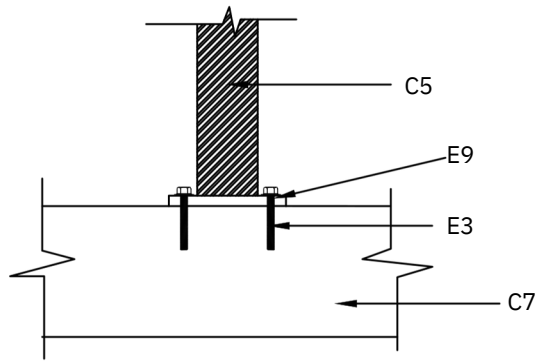


EXPLODED AXONOMETRIC DRAWING

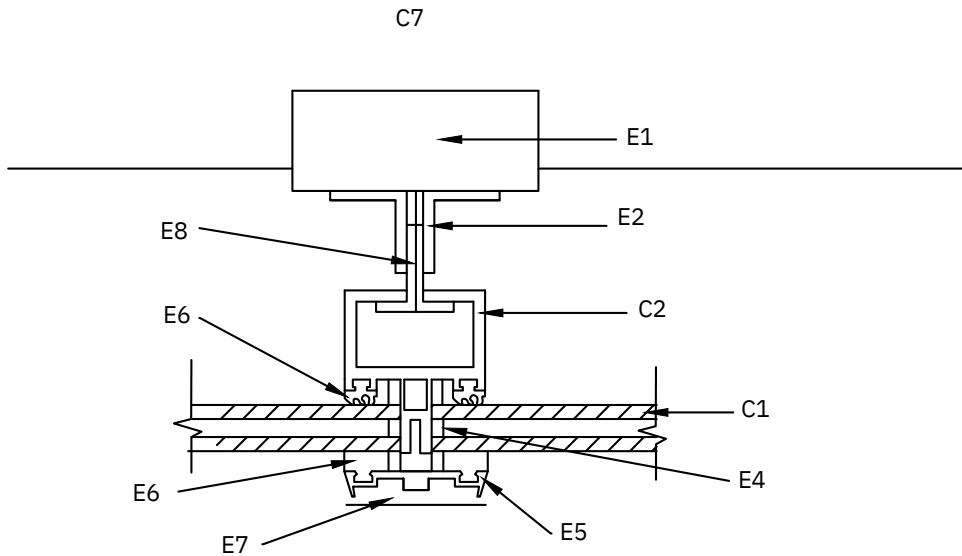


DETAIL DRAWING

JOINERY OF IRON BALUSTER



DETAIL OF GLASS CURTAIN WALL



A. SUPERSTRUCTURE

1. 1000MMX 1000MMX 300MM REINFORCED CONCRETE PAD FOUNDATION

B. PRIMARY STRUCTURE

1. 260MMX 300MM RECTANGLE REINFORCED CONCRETE BEAM
2. 225MM X 400MM RECTANGLE REINFORCED CONCRETE BEAM
3. 300MM DIA WHITE LIMESTONE ROUND TUSCAN COLUMNS
4. 150MMX 150MM CONCRETE COLUMN

C. SECONDARY STRUCTURE

1. 6MM DOUBLE-GLAZED SATIN FROSTED GLASS CURTAIN WALL PANEL
2. 140MM X 60MM ALUMINIUM MULLION
3. 57MM CEILING BOARD
4. 30MM DIA BLACK IRON HANDRAIL
5. 32MM DIA BLACK IRON BALUSTRADE
6. 75MM LIMESTONE ROOF SLAB
7. 100MM LIMESTONE FLOOR SLAB

D. OPENING

1. 10MM SATIN FROSTED GLASS SECOND-FLOOR OPENING

E. MISCELLANEOUS

1. 120MM X 50MM STEEL BRACKET
2. 45° ANGLED STAINLESS STEEL PLATE JOINERY
3. M8 STAINLESS STEEL BOLT AND NUT
4. 8MM ALUMINIUM SPACER
5. 7MM ALUMINIUM PRESSURE PLATE
6. E-TYPE FIR TREE GASKET
7. EXTERIOR CAP
8. STAINLESS STEEL 304 T BAR
9. 316 STAINLESS STEEL ROUND BASE PLATE

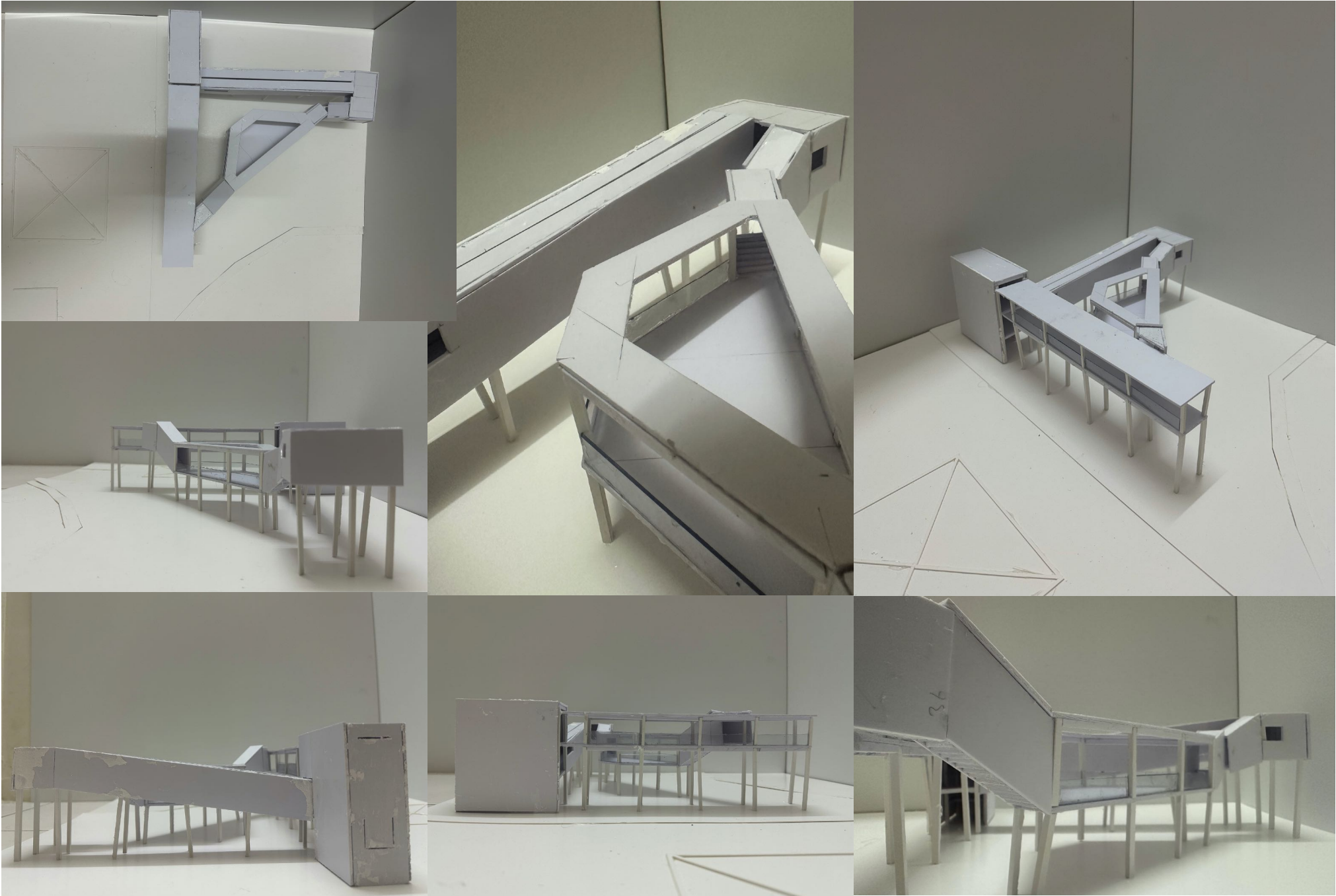
HERITAGE ECHO

Leow Yong Shern
1002060778

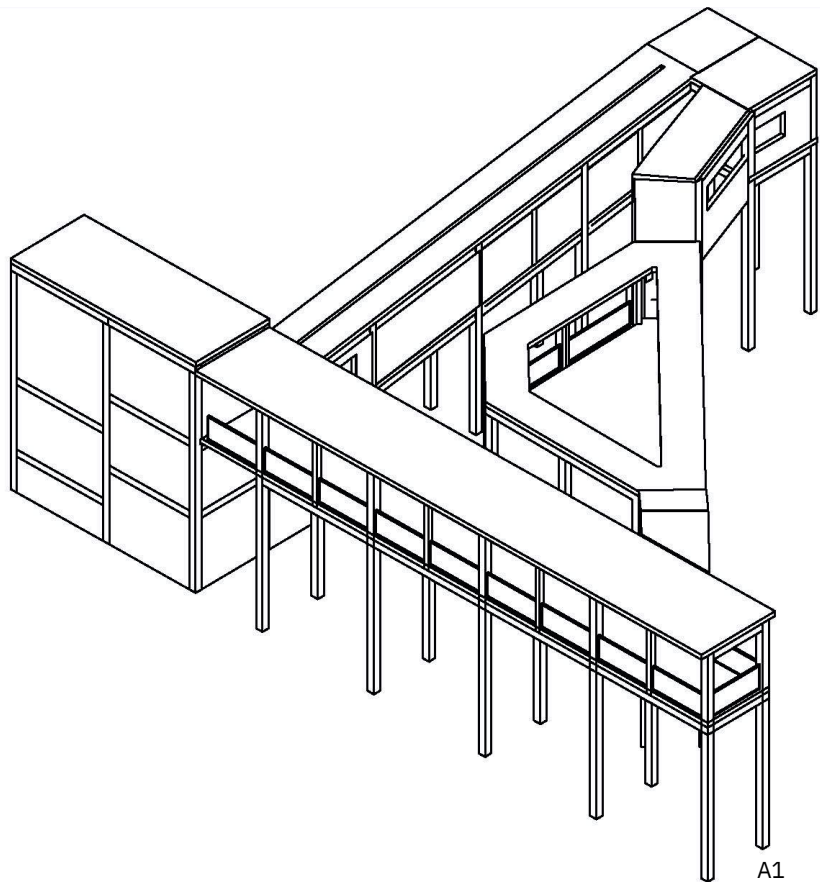
The design concept for the memorial space skillfully weaves together historical narrative and personal introspection through its spatial elements. It tells the story of heritage in a compelling manner, emphasising the importance of remembrance. As visitors move through the space, they are taken on a journey symbolised by the stone—from initial unawareness (represented by a plain corridor) to remembrance (marked by a crafted window) and finally to reverence (symbolised by a staircase that encourages users to bow their heads).

This memorial space is a tribute to the brave soldiers, with the significance of the stone growing over time. The concept beautifully captures the essence of appearing modest from afar yet exuding grandeur up close, creating a poignant and reflective atmosphere.

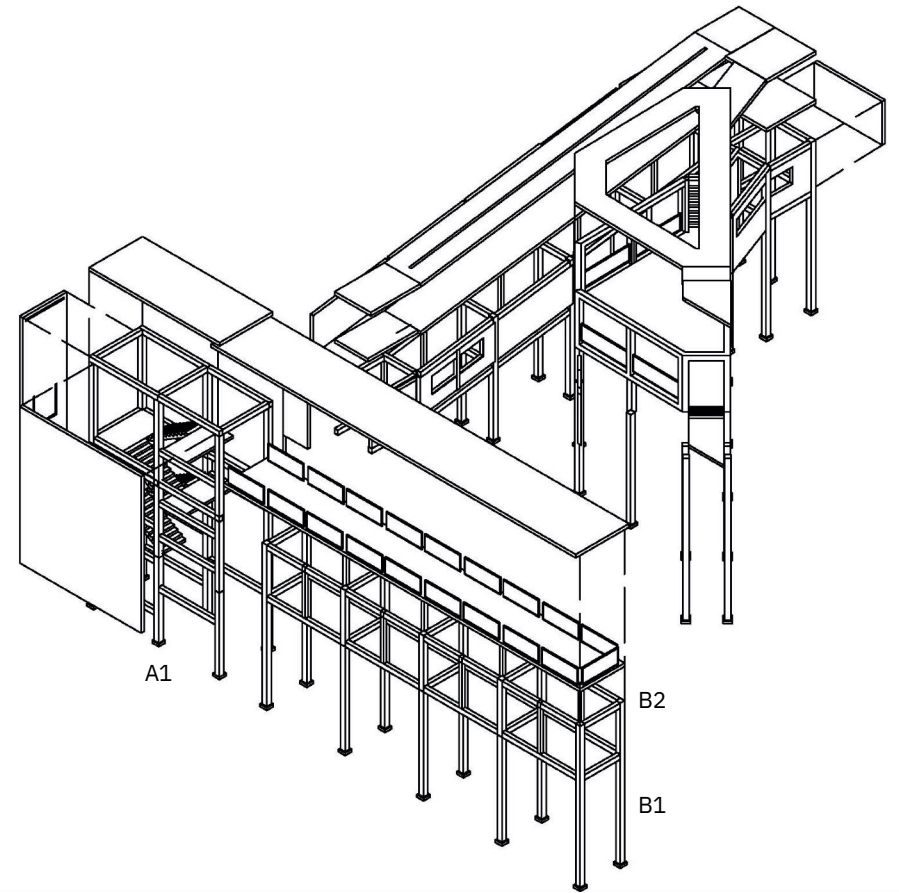
MODEL PHOTOGRAPHY



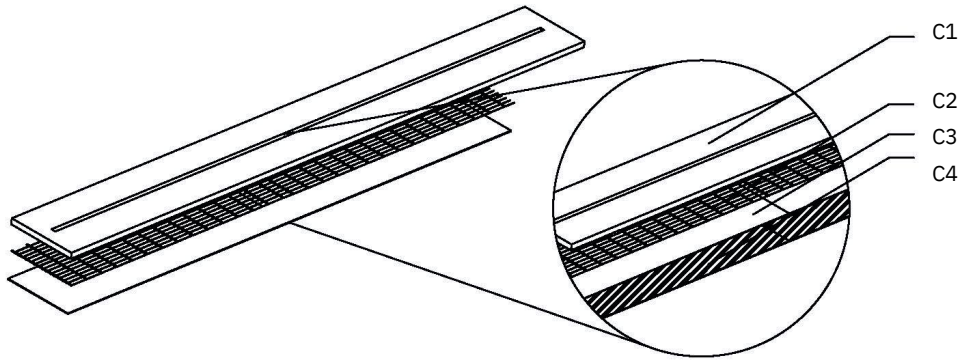
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



A. SUPERSTRUCTURE

1. 1500MM X 1500MM X 150MM REINFORCED CONCRETE PAD FOUNDATION

B. PRIMARY STRUCTURE

1. 300MM X 230MM RECTANGLE REINFORCED CONCRETE COLUMN
2. 225MM X 400MM RECTANGLE REINFORCED CONCRETE BEAM

C. SECONDARY STRUCTURE

1. REINFORCED CAST CONCRETE ROOF
2. STEEL BRC REINFORCEMENT
3. FOIL BOARD INSULATION
4. SPOTTED GUM WALL LINING

D. OPENING

1. 10MM GLASS PANEL AS RAILING

E. MISCELLANEOUS

1. 120MM X 50MM STEEL BRACKET
2. 45° ANGLED STAINLESS STEEL PLATE JOINERY
3. M8 STAINLESS STEEL BOLT AND NUT FOR WINDOW FRAMING

MEDAN SELERA

THEATRICAL BRIDGE

Rio Ferdinand Halim

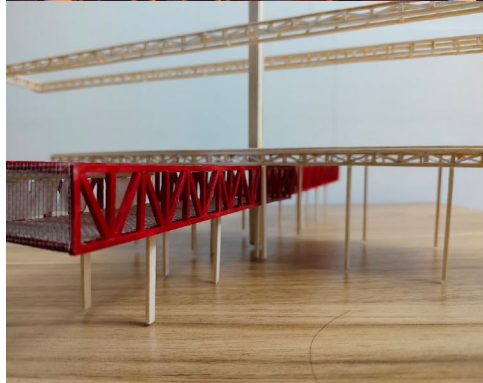
1002266004

The Teluk Intan Heritage Bridge is a tribute to the town's rich history, aiming to revive and honour its past glory. Inspired by iconic structures like Istana Raja Muda, Balai Polis Lama, Pelabuhan Wharf, and Canal, the bridge symbolises the town's heritage, using lights, visualisations, and theatrical elements to bring history to life.

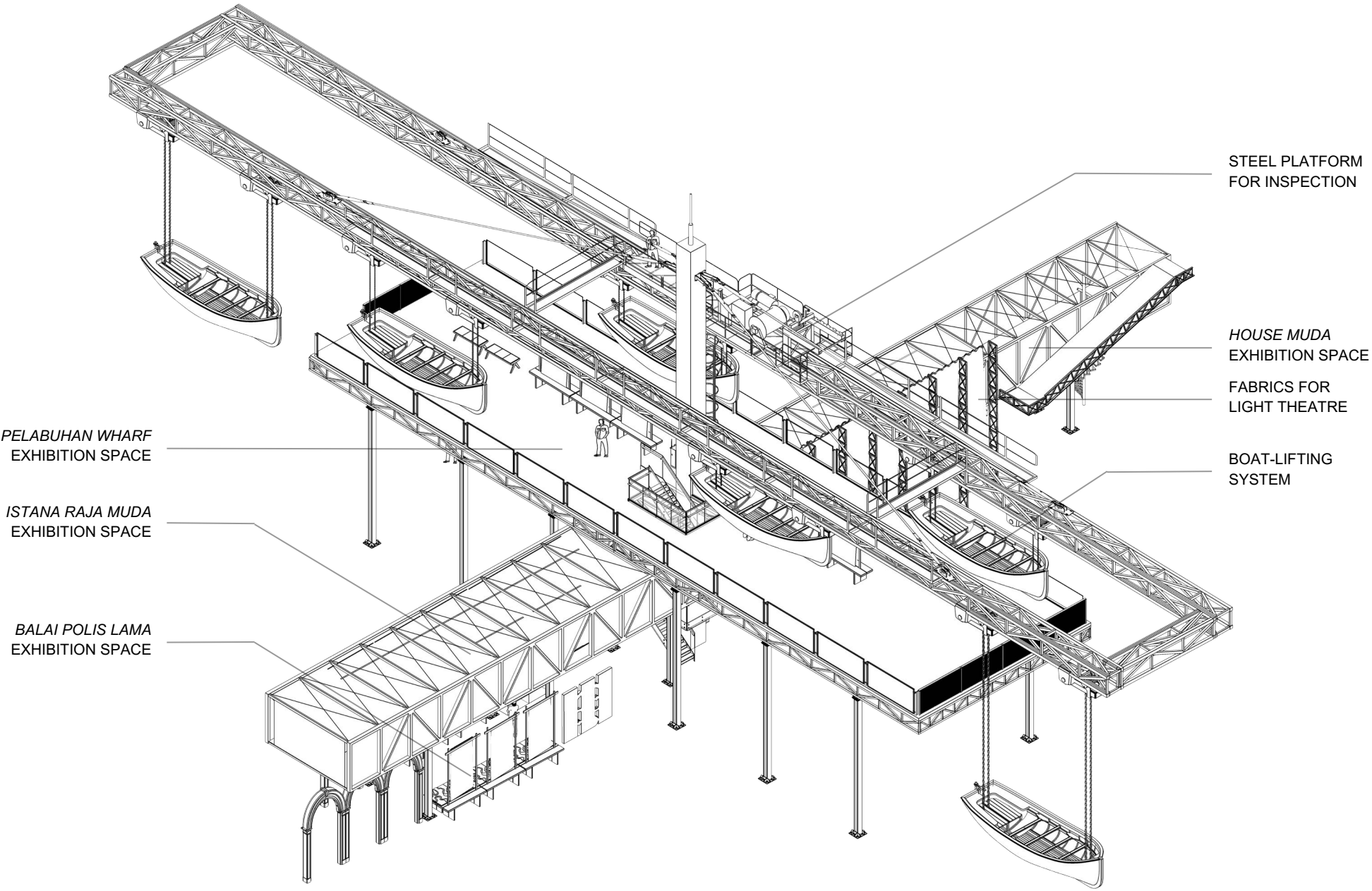
Embracing tectonic expressions, the bridge features exposed steel structures and movable systems reminiscent of the Pelabuhan Wharf's tin mining port. It carefully balances modernity with tradition, creating a visual contrast between old and new architecture while respecting the surrounding context.

The Teluk Intan Heritage Bridge stands as a testament to the town's vibrant history, inviting visitors to experience and appreciate its rich heritage in a contemporary setting.

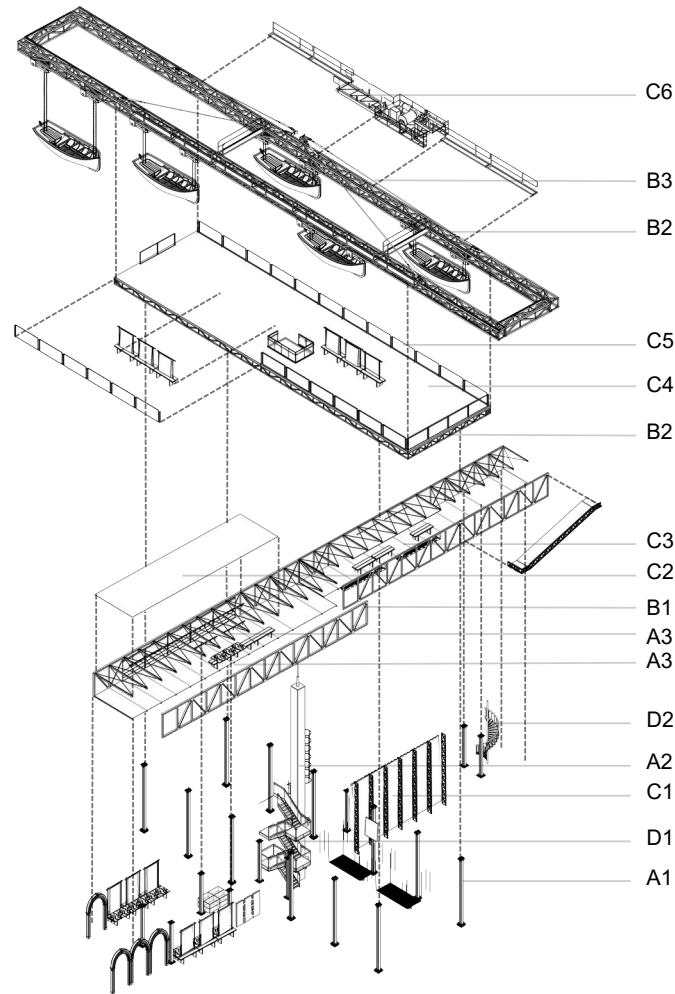
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



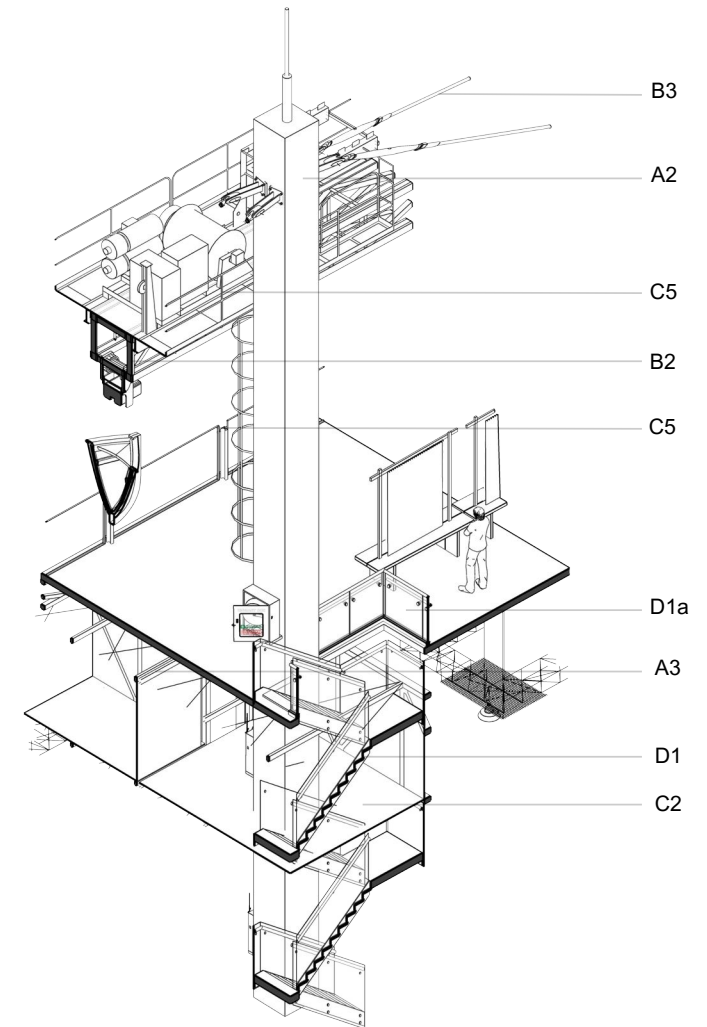
A. PRIMARY STRUCTURE

1. 223x213mm STEEL I-BEAM COLUMN @6400mm c/c
2. 200x200mm CONCRETE COLUMN @18600mm c/c
3. 100X50MM STEEL HOLLOW RECTANGULAR BAR BEAM @RED PAINT COATING

B. SECONDARY STRUCTURE

1. 100X50MM STEEL HOLLOW RECTANGULAR BAR TRUSS @RED PAINT COATING
2. 60x60mm STEEL HOLLOW SQUARE BAR TRUSS
3. 40mm DIAMETER CABLE TENSION @REFER TO ENGINEERING CALCULATION

DETAIL DRAWING



C. FINISHES

1. 6600x2300mm THEATRE SCREEN FABRIC
2. 1.2mm METAL CORRUGATED SHEET ROOFING
3. 100x30mm METAL GRATING FLOORING
4. 75mm THICK OF CONCRETE FLOOR FINISHES
5. 2500x1100mm METAL GRATING FENCING

D. STAIRCASE

1. 280mm TREAD AND 160mm RISER ON DOUBLE WINDER STAIRCASE
 - 1a. 900mm HIGH GLASS RAILING
2. 230mm TREAD AND 170mm RISER ON SPIRAL STAIRCASE

JUNCTION - JUNCTION HUB

TAN WEI SHUEN

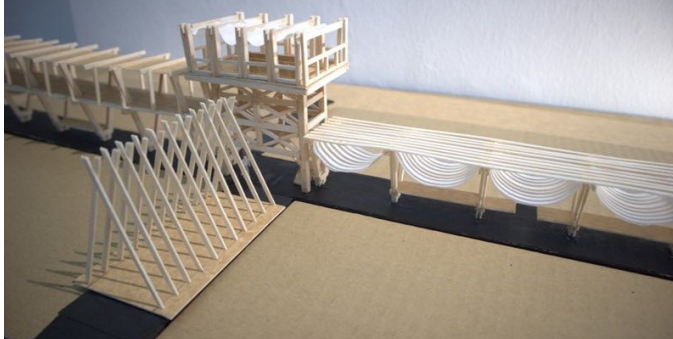
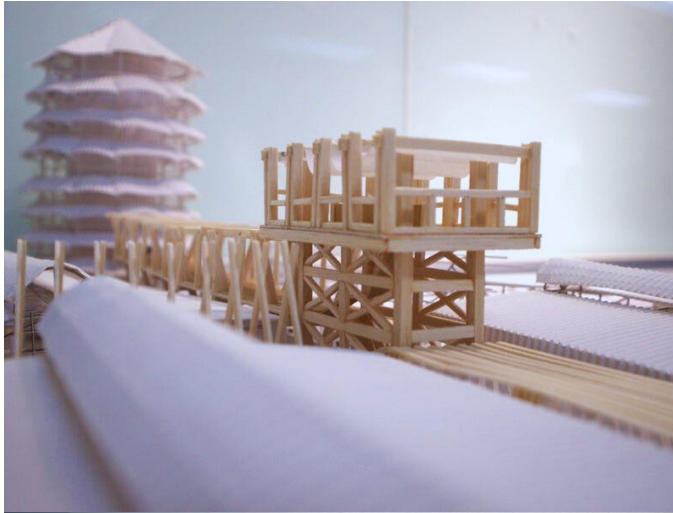
1002266585

Tourism plays a pivotal role in Teluk Intan's economy, with transportation as a crucial link to its various attractions. Efficient transportation not only facilitates tourism but also impacts other sectors of the economy. It serves as the backbone for bringing visitors to the diverse experiences Teluk Intan has to offer.

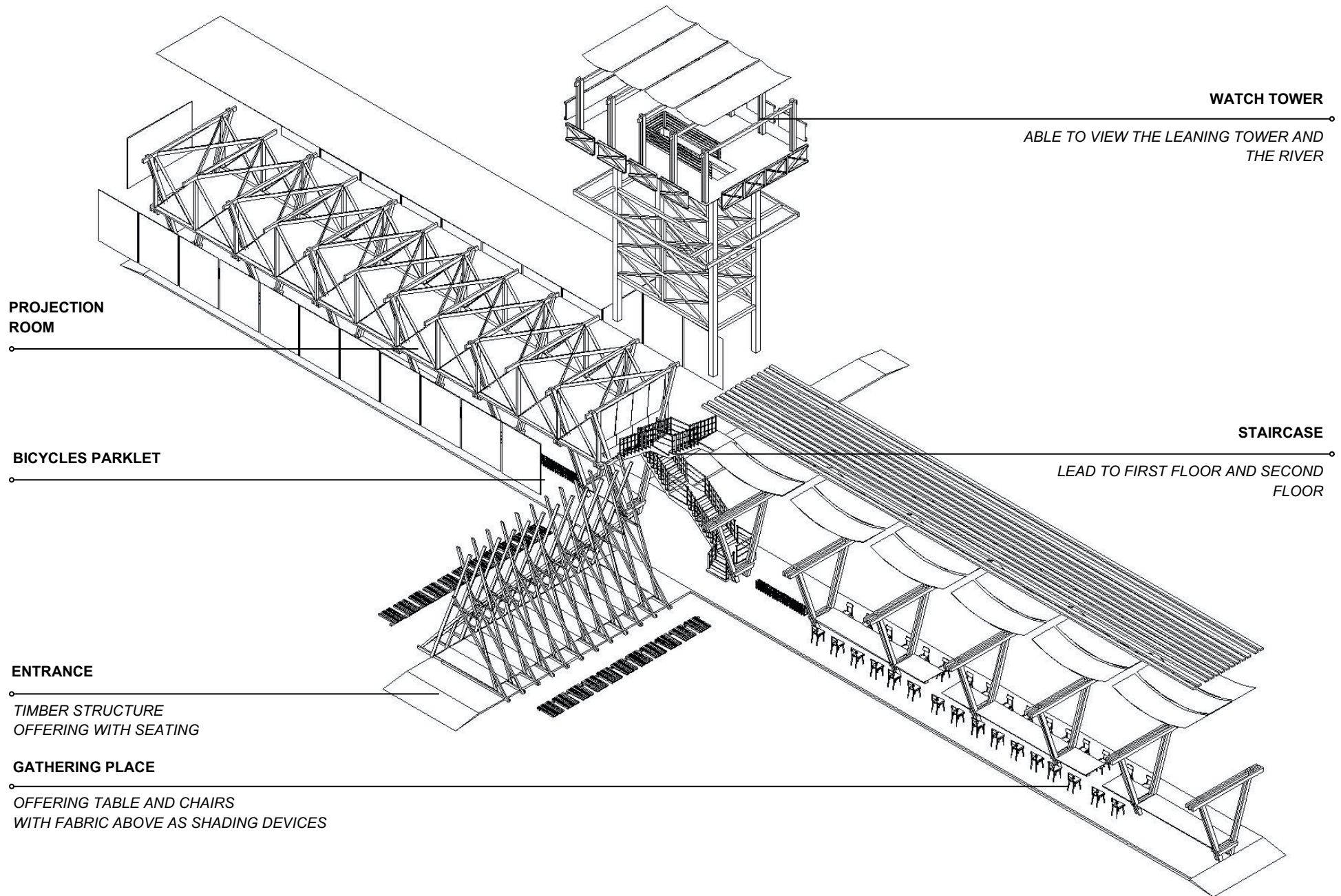
Historically, Teluk Intan was a significant city due to its strategic location with port facilities and railway lines connecting it to the north and south of the peninsula. However, the decline of Teluk Intan's once-thriving transportation system, including roadways, waterways, and railways, has hindered local economic activities. The current inadequate road networks and limited public transportation options present a significant challenge in attracting tourists to the area.

To revive Teluk Intan's transportation and tourism sectors, there is a pressing need to reintroduce soft mobility. Bicycles offer a practical and straightforward solution, with added sentimental value for older adults and a viable alternative for the transportation needs of the younger generation.

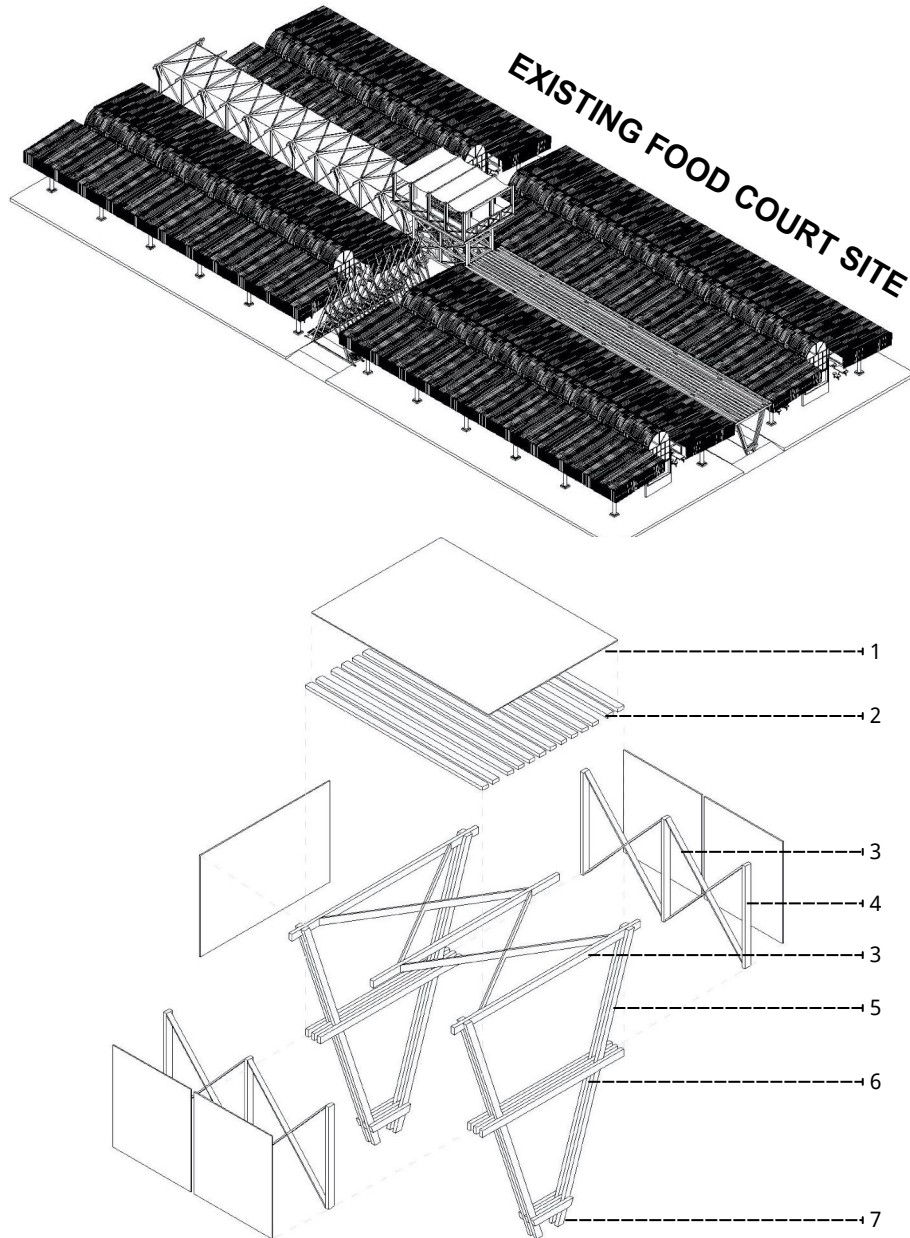
MODEL PHOTOGRAPHY



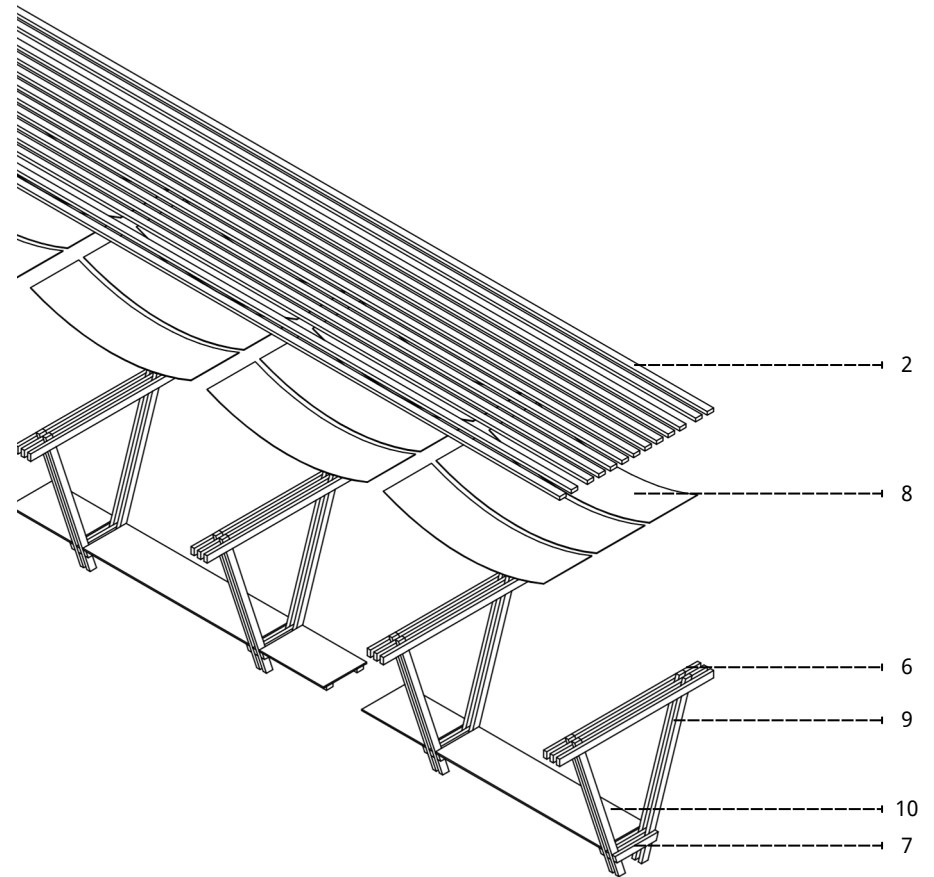
EXPLODED AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



1. LAMINATED WOODEN PANEL
2. HARDWOOD TIMBER BEAM 200MM * 100MM
3. HARDWOOD TIMBER SECONDARY SUPPORT 80MM * 200MM
4. HARDWOOD TIMBER COLUMN 100MM * 200MM * 3000MM
5. HARDWOOD TIMBER 200MM * 100MM * 7878MM
6. HARDWOOD TIMBER SUPPORT 100MM * 200MM * 4800MM
7. HARDWOOD TIMBER SUPPORT 100MM * 210MM * 1350MM
8. FABRIC SHADING DEVICES
9. HARDWOOD TIMBER 200MM * 100MM * 4517MM
10. HARDWOOD TIMBER TABLE @ 40MM THICK

NATURE'S FILTER PARK

Tan Jiu Seang
1002266694

The proposed project aims to enhance the area opposite the iconic Menara Condong, creating a dynamic and multifunctional "Place-making" that celebrates Teluk Intan's beauty and heritage while preserving its rich cultural legacy. By integrating a water treatment centre and urban landscaping into the site, the project seeks to provide a space for tourists and locals to enjoy recreation and relaxation.

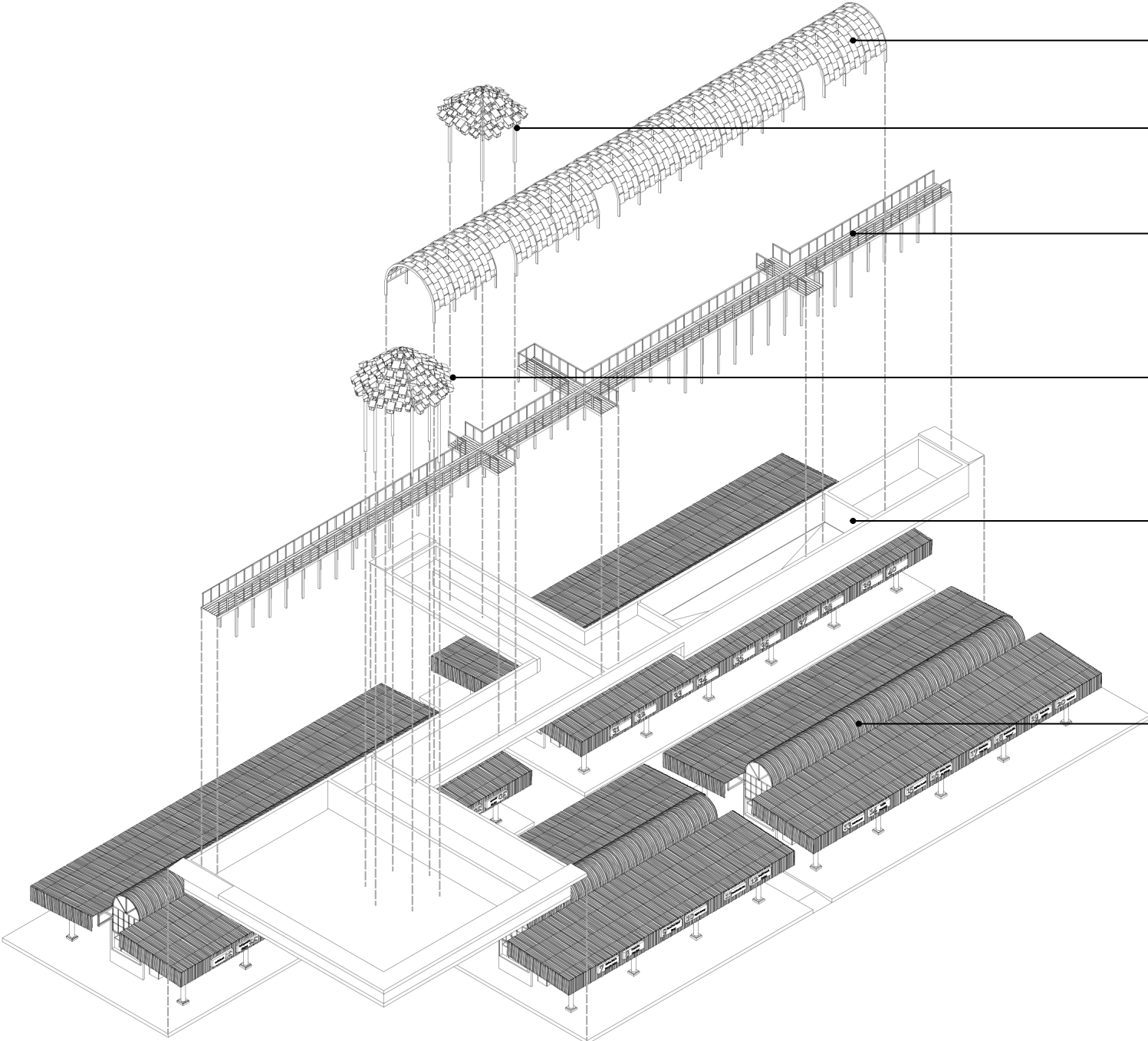
Including a water treatment centre is a crucial feature of the project, with benefits extending beyond the immediate site. The centre will contribute to the ecological health of Teluk Intan and Sungai Perak, the river that flows through the city. Additionally, the centre has the potential to supply better-conditioned water to another waterscape park within the city centre in the future, enhancing the overall water management infrastructure of Teluk Intan.

This project enhances the physical environment and creates a space that fosters community engagement and celebrates the city's unique identity. By blending functionality with ecological sustainability, the project aims to transform the site into a vibrant hub that reflects the spirit and character of Teluk Intan, inviting the community to participate in its development and use.

MODEL PHOTOGRAPHY



EXPLODED AXONOMETRIC DRAWING



WALKWAY ENVELOPE

TIMBER CONSTRUCTION
WOODEN CLADDING
SEMI ENCLOSED

SQUARE PAVILLION

TIMBER CONSTRUCTION
MODULAR BIRD'S HABITATS

LIFTED WALKWAY

TIMBER CONSTRUCTION
WITH R.C. COLUMN BELOW

HEXAGON PAVILLION

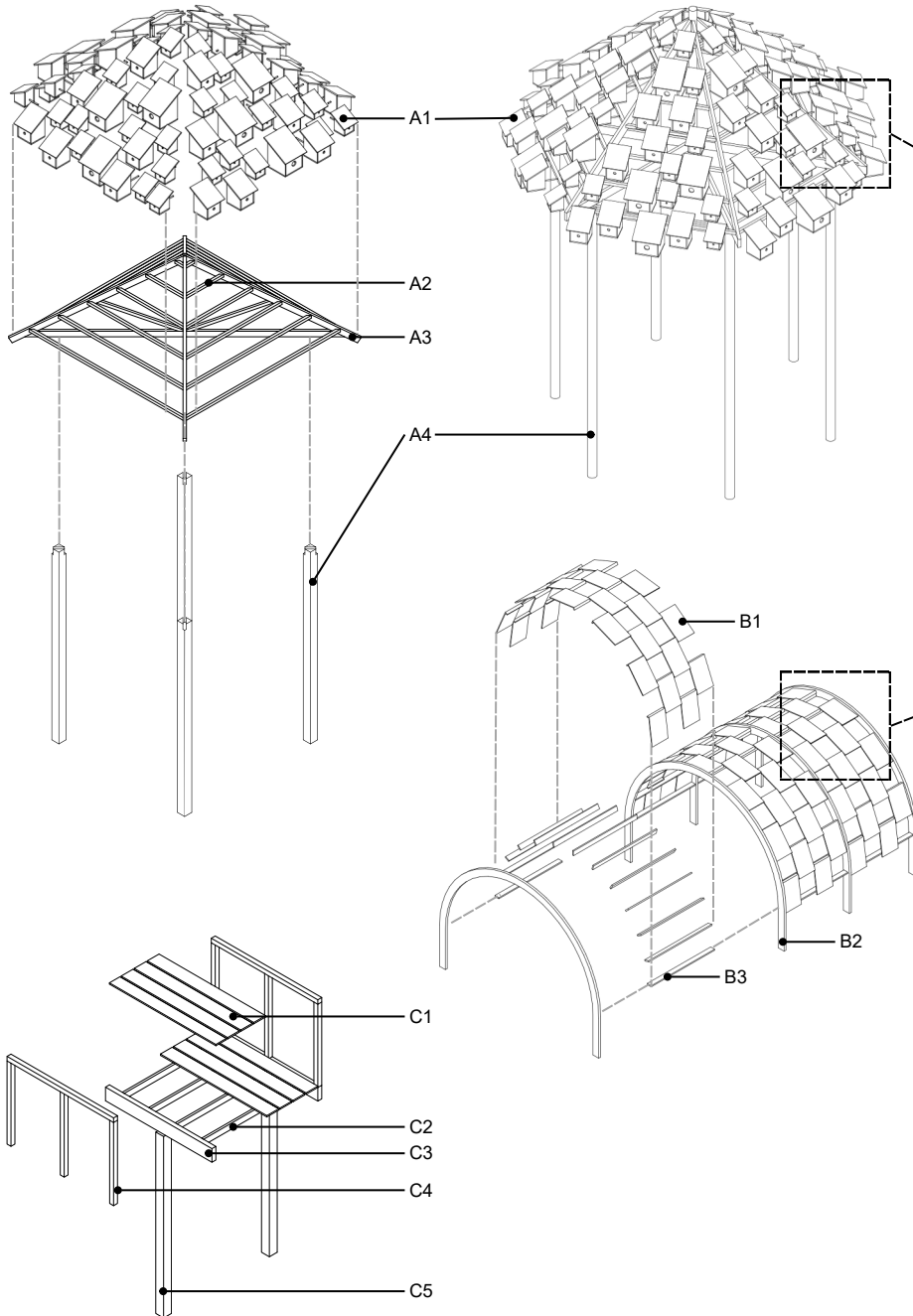
TIMBER CONSTRUCTION
MODULAR BIRD'S HABITATS

WATER TREATMENT MODULE

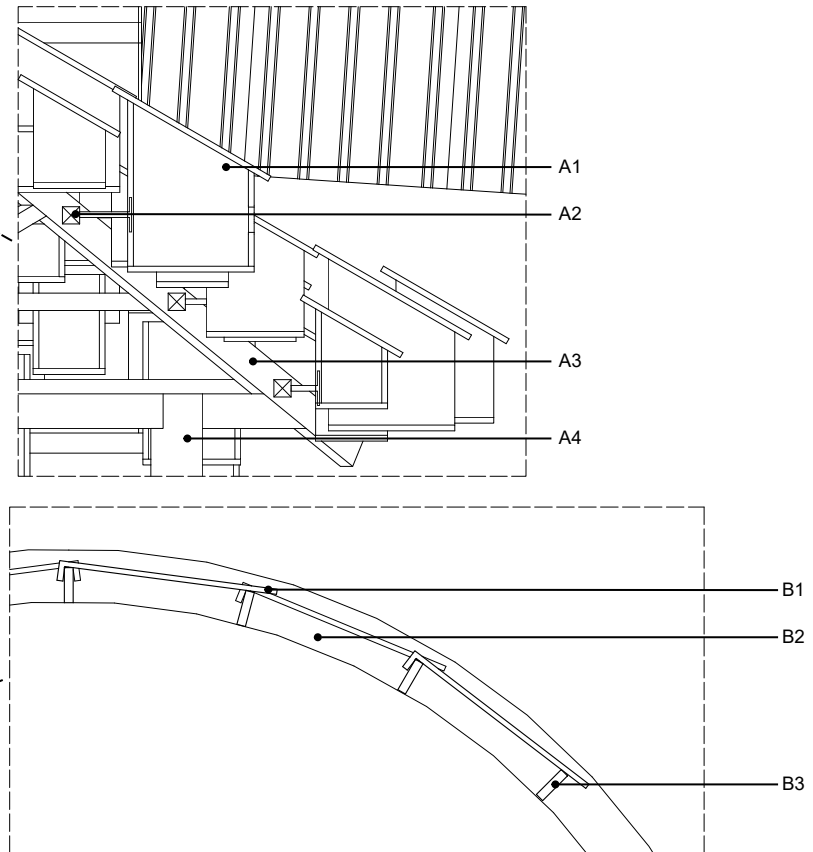
REINFORCED CONCRETE
WATER PROOFING MEMBRANE
START TO END TREATMENT
PROCESS

EXISTING CONTEXT (MEDAN SELERA)

EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



- A1 440X440X600MM / 340X340X500MM / 250X250X350MM H.W. TIMBER MODULAR BIRD'S HOUSES @WEATHER PROOF TREATMENT
- A2 60X60MM H.W. TIMBER ROOF BATTEN
- A3 120X60MM H.W. TIMBER ROOF BEAM AND RAFTER
- A4 180X180MM H.W. TIMBER COLUMN

- B1 T=18 750X485MM TIMBER CLADDING PANEL @WEATHER PROOF TREATMENT
- B2 Ø=4880 180X60MM GLULAM TIMBER ARCHES BEAM
- B3 120X30X1940MM H.W. TIMBER BATTEN @TO ATTACH CLADDING

- C1 180X18MM TIMBER PLANK
- C2 80X30MM H.W. TIMBER FLOOR JOIST
- C3 180X60MM H.W. TIMBER FLOOR BEAM
- C4 60X60MM TIMBER RAILLING @ HEIGHT=1100MM
- C5 120X120MM R.C. COLUMN @ CASTED IN SITE WITH WATER TREATMENT STRUCTURE

RATTAN REVERIE

ANG YI JIE
1002059659

Welcome to "Rattan Reverie: A Tapestry of Tradition and Innovation," an enchanting pavilion in Teluk Intan's heart. The ancient art of rattan weaving takes centre stage, inviting you to immerse yourself in a world where tradition dances with innovation. Step into our galleries adorned with intricate rattan patterns, where each weave tells a story of craftsmanship passed down through generations.

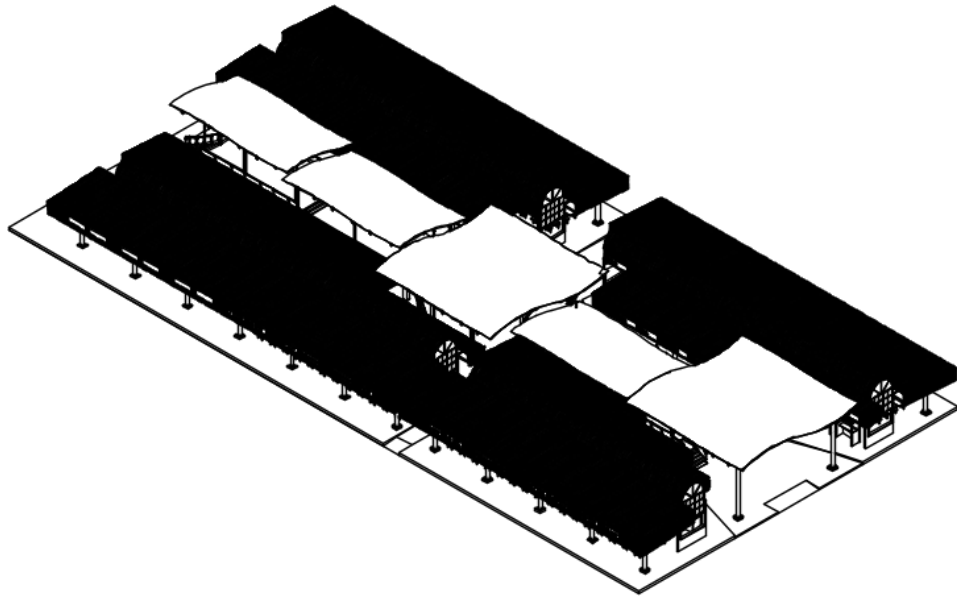
Amidst the hustle and bustle of everyday life, "Rattan Reverie" offers a serene escape. Discover the magic of rattan's versatility as it transforms from a functional object to an artistic masterpiece before your eyes. Join us on a journey of exploration and inspiration, where the past meets the present in a timeless reverie of creativity and cultural heritage. Experience firsthand how rattan weaving is a craft and a living tradition that continues to evolve.

As you wander through our pavilion, you will witness the seamless integration of tradition and innovation. "Rattan Reverie" celebrates the rich heritage of rattan weaving while showcasing its potential for contemporary design. Each piece in our collection reflects a deep respect for tradition yet embraces modern sensibilities, embodying the essence of cultural continuity and creative evolution. Welcome to "Rattan Reverie," where dreams are woven into reality, and the beauty of rattan weaving is unveiled in all its splendour.

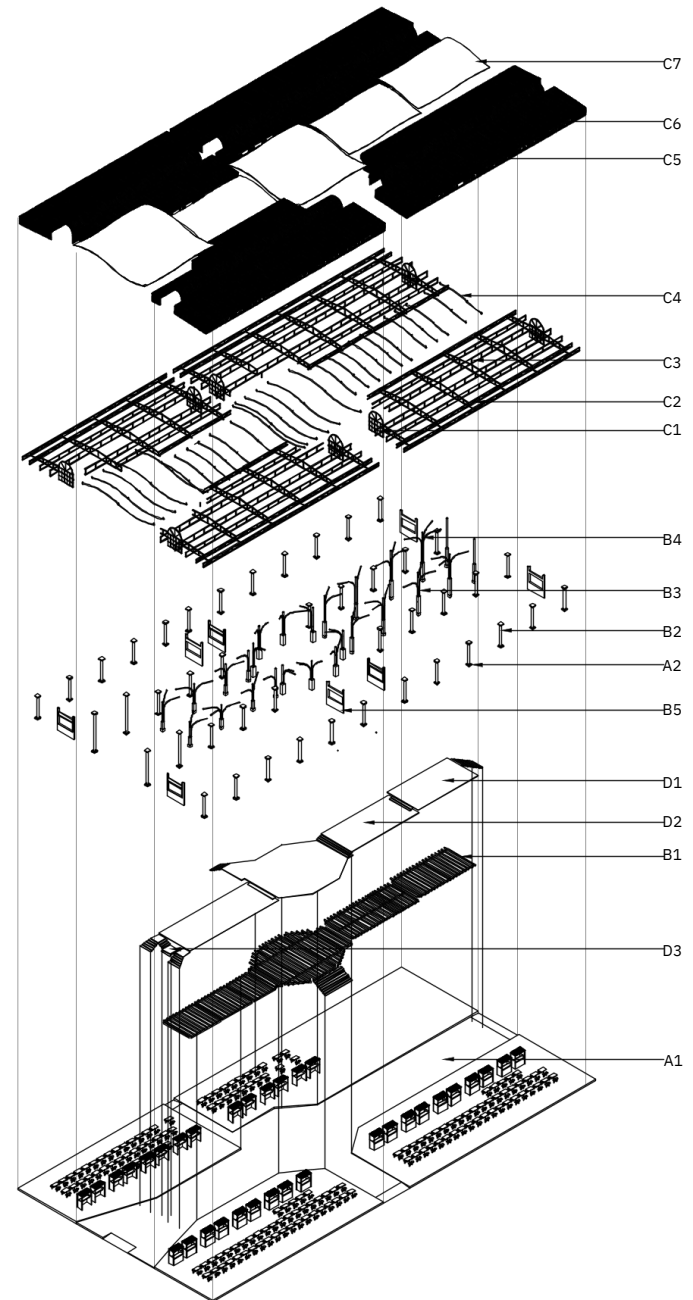
MODEL PHOTOGRAPHY



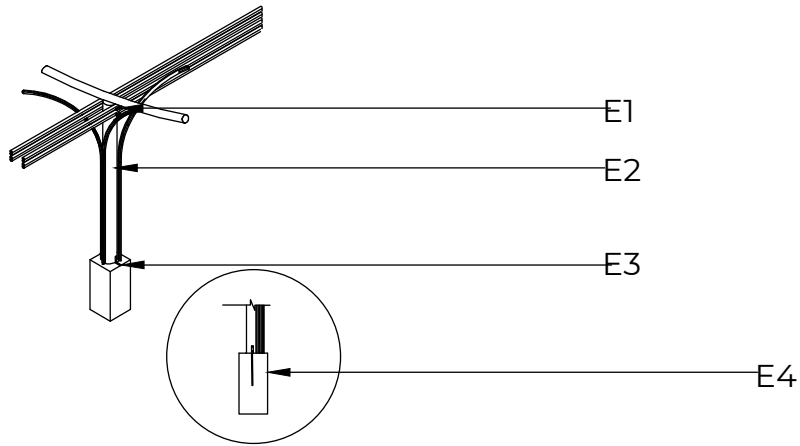
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



A. SUBSTRUCTURE

- A1. CONCRETE SLAB
- A2. 470MM (L) X 470MM (W) X 100THK CONCRETE PAD TO ENGR'S DETAIL

B. PRIMARY STRUCTURE

- B1. 4800MM (L) X 120MM (W) X 40MM THK TIMBER FLOOR BEAM TO ENGR'S DETAIL
- B2. 2700MM (L) X 300 MM THK CONCRETE COLUMN TO ENGRS'S DETAIL
- B3. 4000MM (L) X 120MM THK RATTAN ARCH BEAM TO ENGR'S DETAIL
- B4. 130MM THK BAMBOO COLUMN SUPPORT TO ENGR'S DETAIL

C. ROOF STRUCTURE

- C1. 1700MMX 50MM THK HOLLOW STEEL RAILING TO ENGR'S DETAIL
- C2. 1800MM (L) X 50MM THK STEEL ROOF TRUSS TO ENGR'S DETAIL
- C3. 570MM (L) X 50MM STEEL ROOF TRUSS THK TO ENGR'S DETAIL
- C4. 7000 MM (L) X 120MM THK BAMBOO ROOF BEAM TO ENGR'S DETAIL
- C5. STEEL CORUGATED ROOF TO ENGR'S DETAIL
- C6. ARCH STEEL CORUGATED ROOF TO ENGR'S DETAIL
- C7. RATTAN ROOF

D. FINISHING

- D1. 9250MM (L) X 4820MM (W) X 40MM THK TIMBER FLOOR TO ENGR'S DETAIL
- D2. 15000 MM (L) X 4800MM (W) TIMBER FLOOR TO ENGR'S DETAIL

E. DETAIL JOINERIES

- E1. BOLTS AND NUTS
- E2. 130MM THK BAMBOO COLUMN SUPPORT TO ENGR'S DETAIL
- E3. STEEL ANGLE BRACKET
- E4. ANCHOR BOLT

A PLACE

Dennis Elwando Angir
1002266458

The Medan Selera Food Court, the focal point of our project, is situated in the heart of the city, adjacent to the iconic Menara Condong Tower. We aim to transform this space into a multifunctional hub that fosters connections among people, their culture, and their heritage.

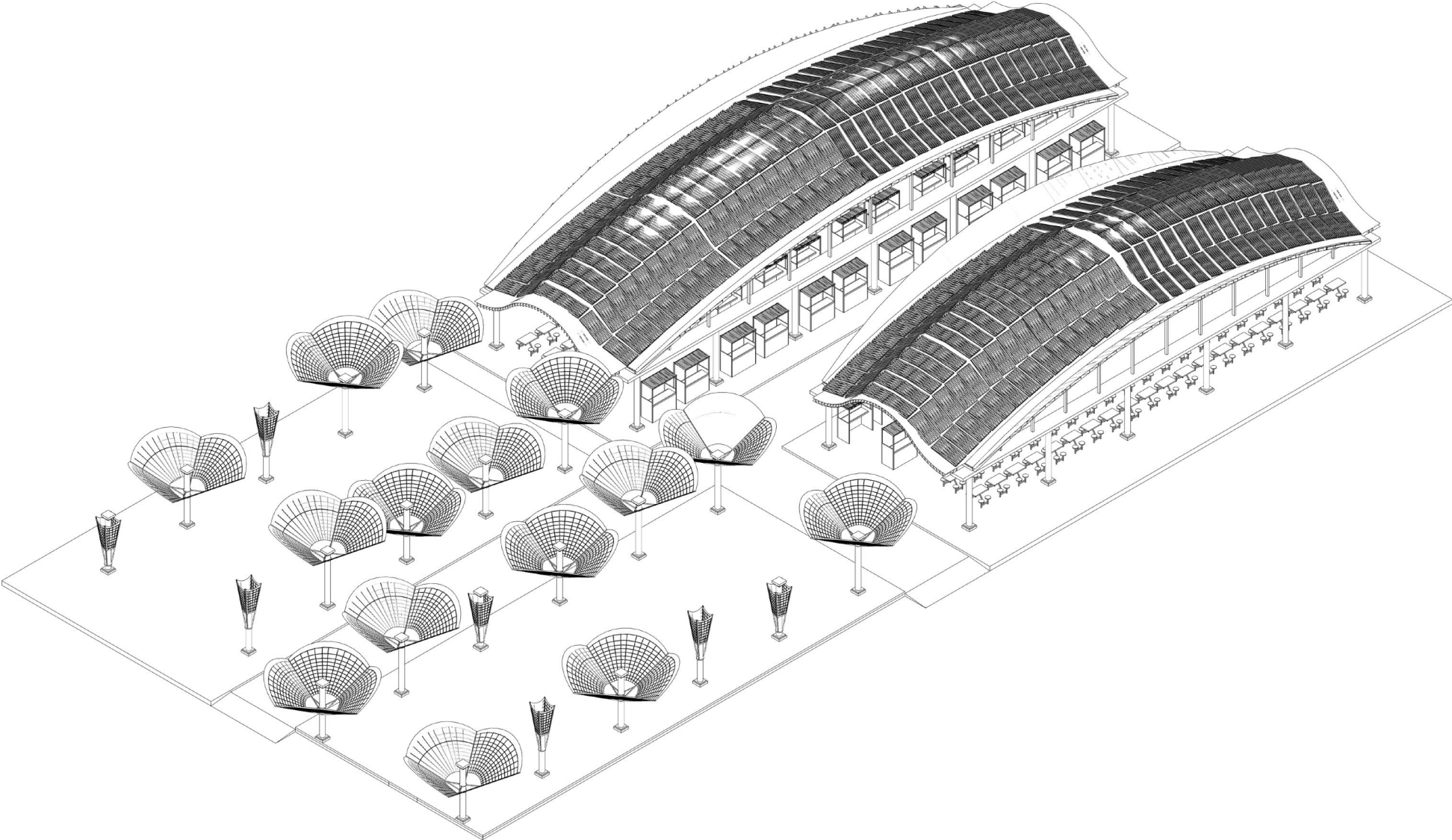
The central theme of this project is "Connect." Teluk Intan's history is rich with festivals and community gatherings that celebrate its culture and respect its heritage. However, these traditions have faded, becoming more like fairy tales than reality. Our vision is to reignite these connections, rekindling the bond between people and their culture, heritage, and each other.

Imagine a space where the vibrant tapestry of Teluk Intan's culture is interwoven with its rich heritage. A place where people gather not just to eat but to connect, share stories, and celebrate their shared identity. This project aims to breathe new life into the Medan Selera Food Court, transforming it into a dynamic space that honours the past while embracing the future.

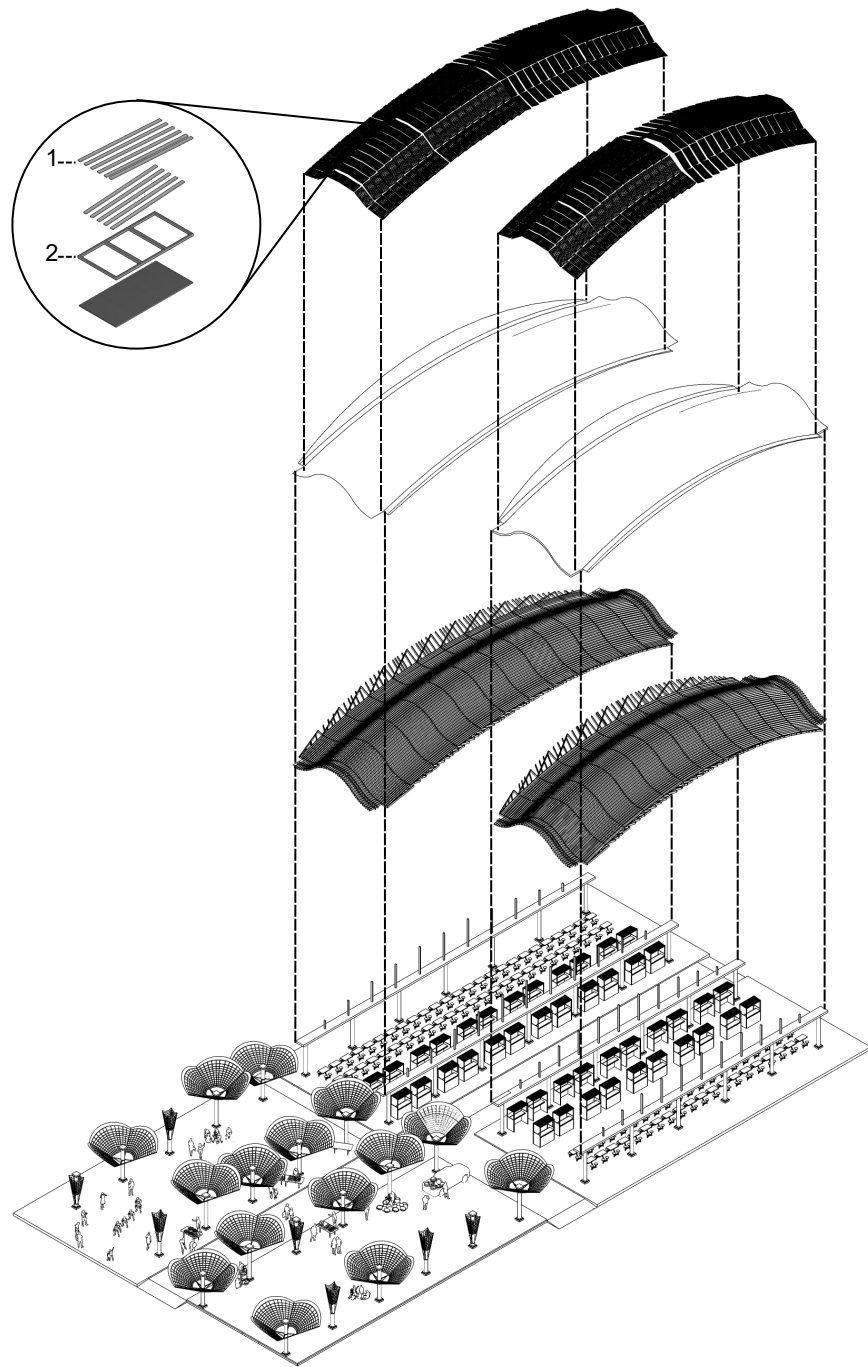
MODEL PHOTOGRAPHY



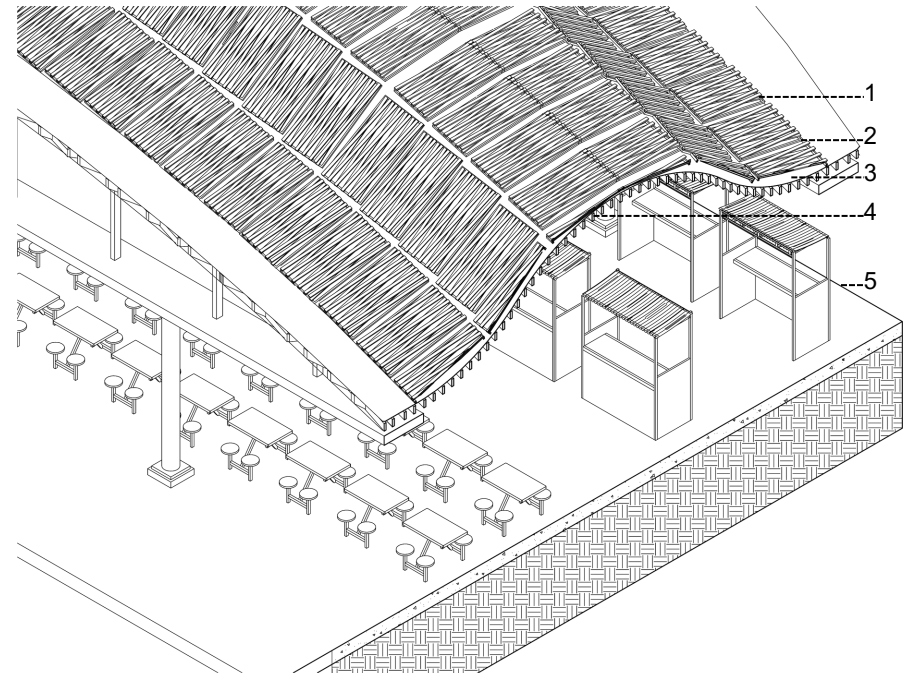
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



- 1- 70MM WIDTH BAMBOO STRIP
- 2- 30X40MM CENGGAL WOODEN PANEL FRAME
- 3- 900GSM PVC COATED POLYESTER ROOF FINISHES
- 4- 160X50MM CENGGAL WOODER ROOF RAFTER
- 5- 300MM THICK CONCRETE SLAB FLOORING FINISHES

TIMETHREAD HUB

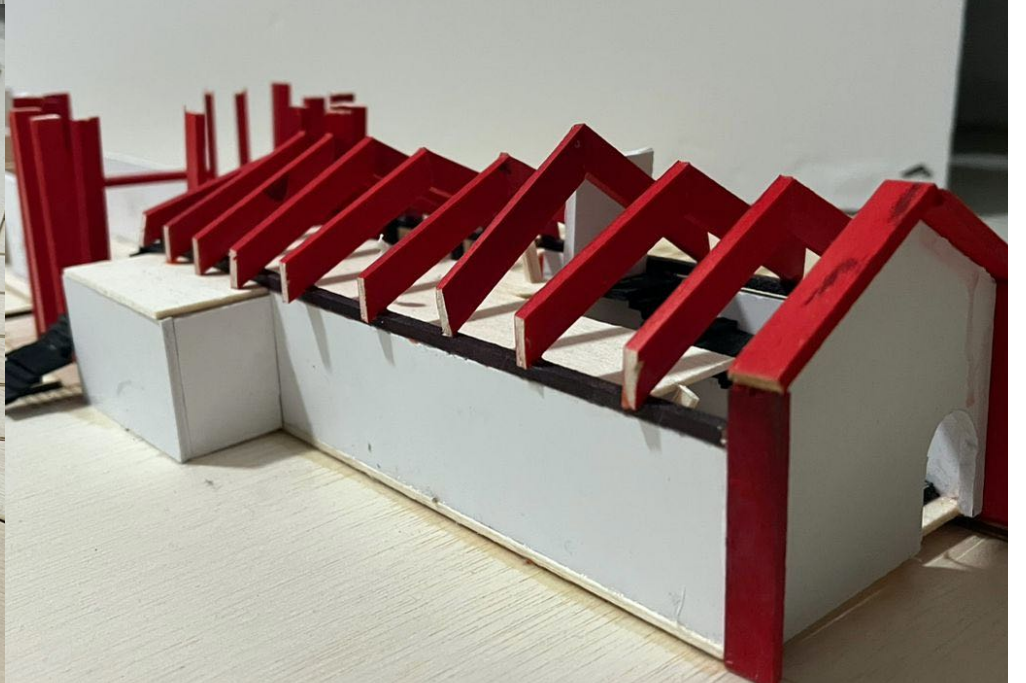
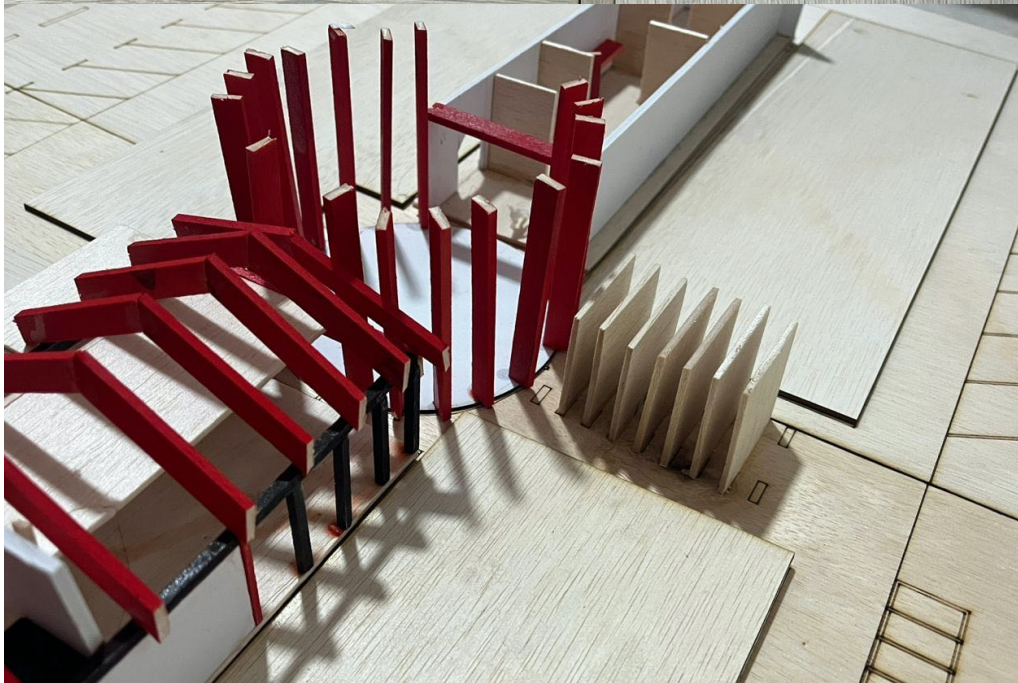
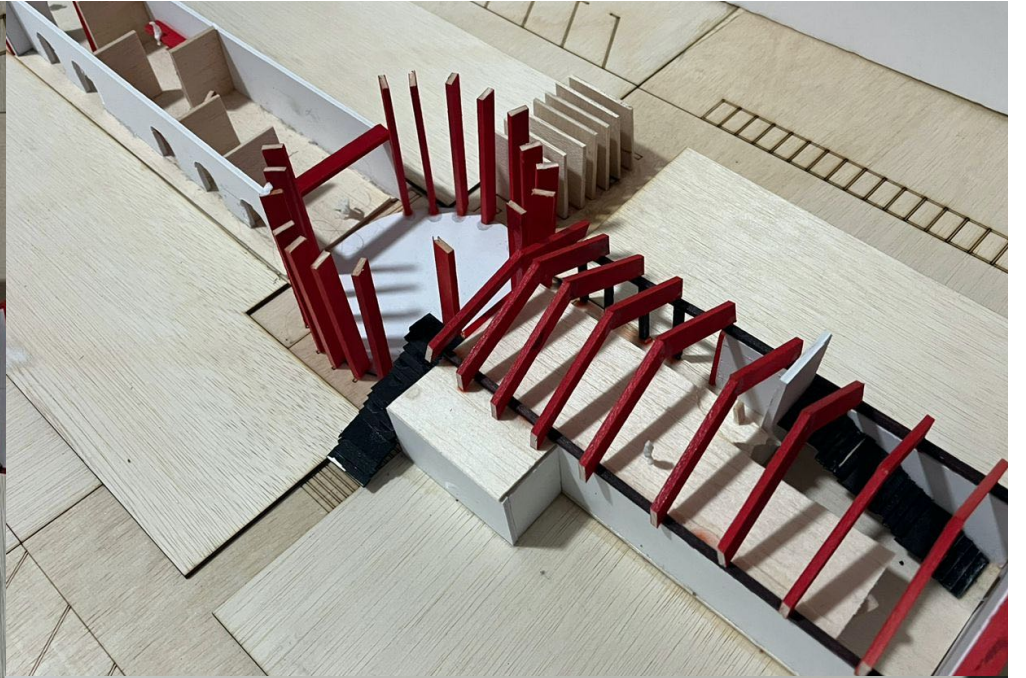
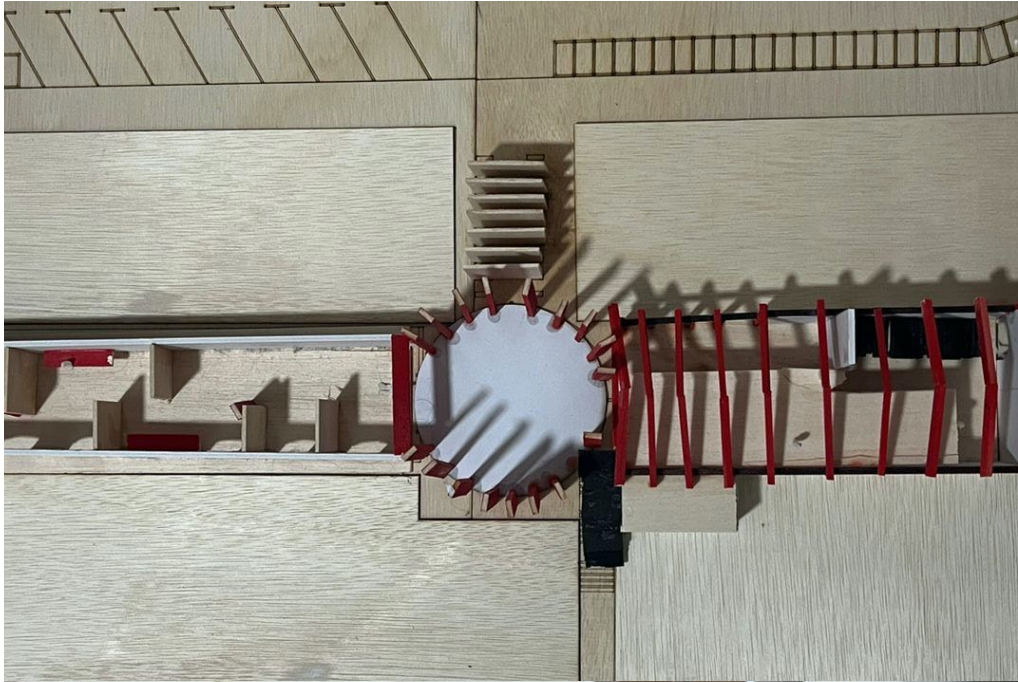
Annatasha binti Zulkiffi
1002266076

Step into a distinctive cultural haven in the heart of Teluk Intan, Perak. The building seamlessly integrates historic preservation, adaptive reuse, and immersive experiences. The establishment is a place and a journey - a premier traditional attire rental service and an engaging historical information centre.

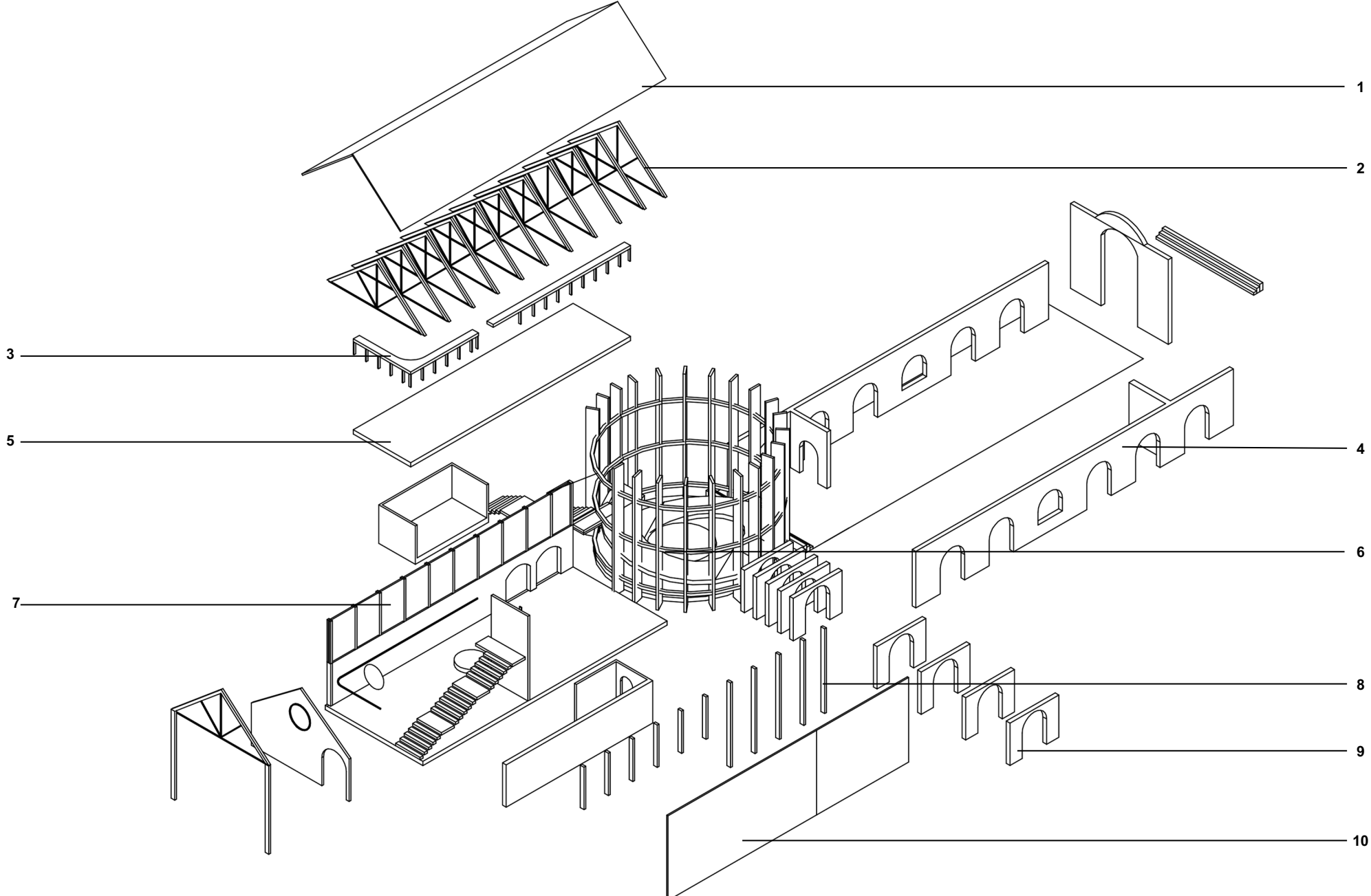
Immerse yourself in a world that beautifully fuses the allure of history with contemporary relevance. Preserving its historical charm, the meticulously maintained building unfolds the diverse tapestry of our heritage, inviting exploration of the past while embracing the present. Upon entry, you'll be surrounded by the ambience of bygone eras, and the carefully curated collection of traditional attires invites you to step into the shoes of those who have shaped our history. Whether it's the sophistication of colonial fashion or the vivid hues of local cultural dress, the selection provides a unique opportunity to experience history rather than merely observe it.

The establishment stands as a symbol of commitment to historic preservation and an open invitation for you to participate actively in the heritage trail. Discover, learn, and fully immerse yourself in the narratives of Teluk Intan, where the threads of history are intricately woven into the fabric of our present. Welcome to a space where tradition seamlessly meets innovation, ensuring that the past isn't just remembered but vividly relived.

MODEL PHOTOGRAPHY



EXPLODED AXONOMETRIC DRAWING



THE BERLIAN PLAZA

WONG ZI XUAN

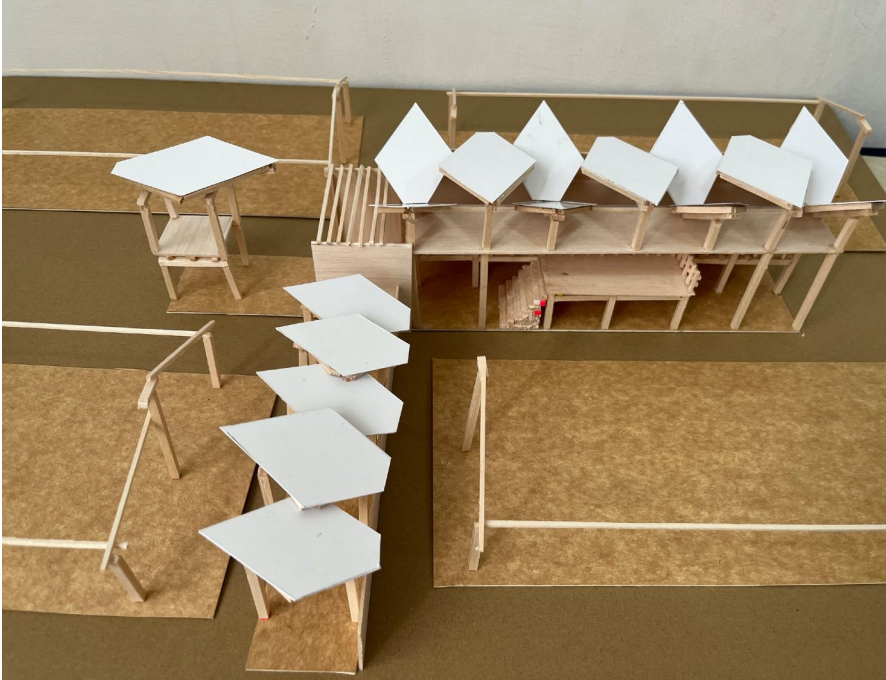
1002162127

The Berlian Plaza reflects Teluk Intan's identity, often referred to as the diamond of Perak. This project aims to create a space that showcases the hidden beauty of the town's cultural art and craft, offering an opportunity for people to come together as a community. Through tectonic expression, the plaza seeks to embody the true essence of a diamond, capturing the attention of residents and visitors alike.

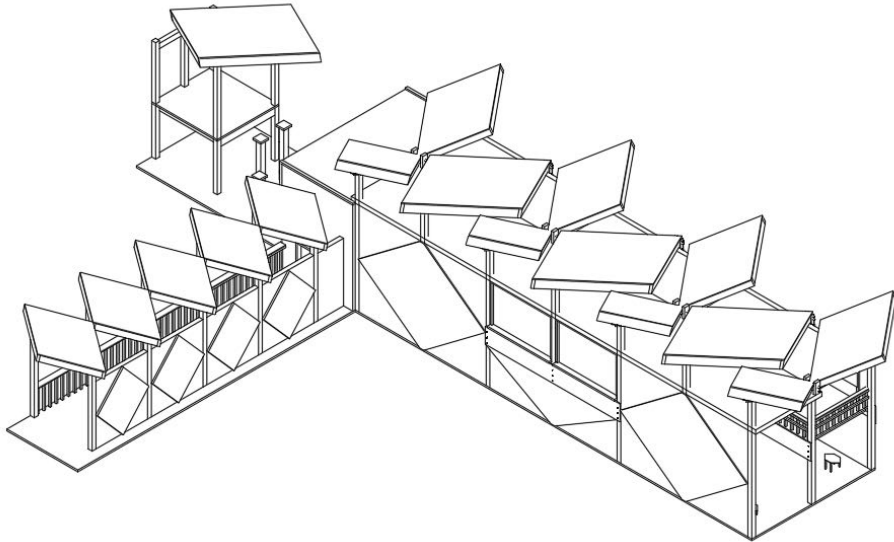
The design concept of the Berlian Plaza is rooted in celebrating Teluk Intan's cultural heritage. By providing a platform to display local art and craft, the plaza becomes more than just a physical space; it symbolises unity and pride for the community. The use of tectonic expression allows the plaza to convey the brilliance and allure of a diamond, serving as a beacon that draws people in to explore and appreciate the town's rich cultural tapestry.

The Berlian Plaza is not just a place to showcase art and craft; it represents Teluk Intan's identity and spirit. It is a space where the past, present, and future converge, inviting people to connect with their roots and celebrate the town's unique heritage. The plaza aims to shine bright like a diamond through thoughtful design and tectonic expression, illuminating Teluk Intan's cultural legacy for future generations.

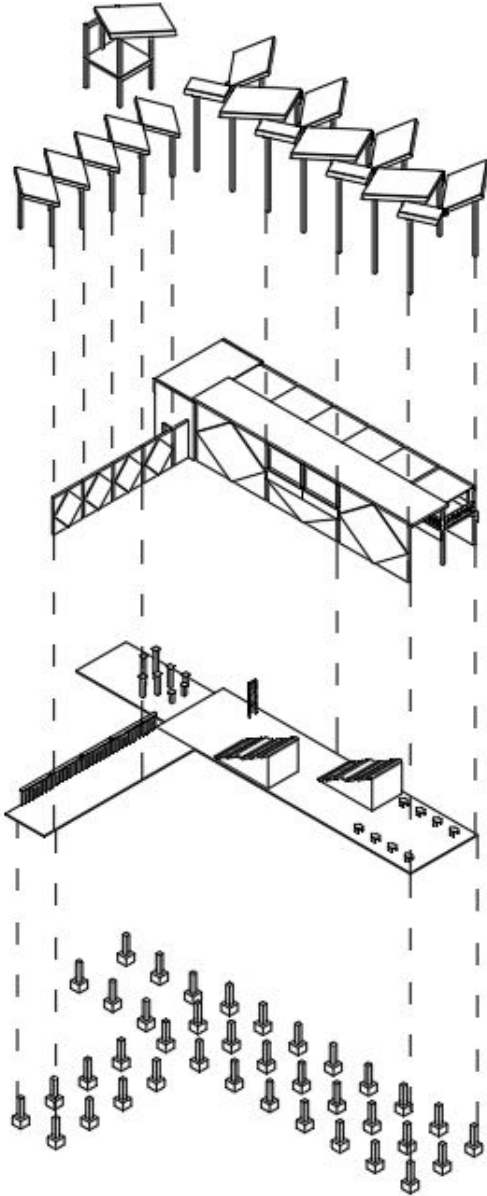
MODEL PHOTOGRAPHY



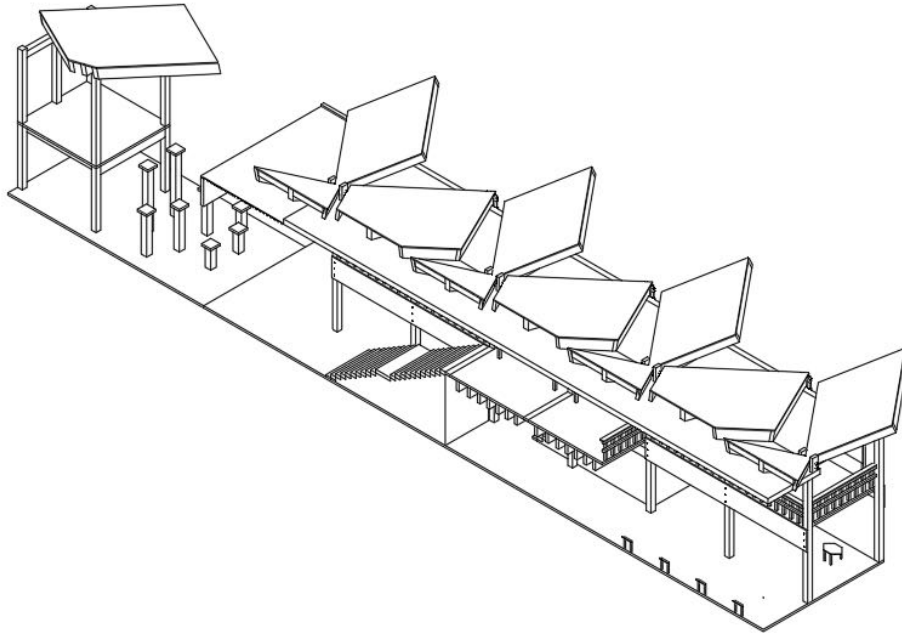
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



SECTIONAL AXONOMETRIC DRAWING



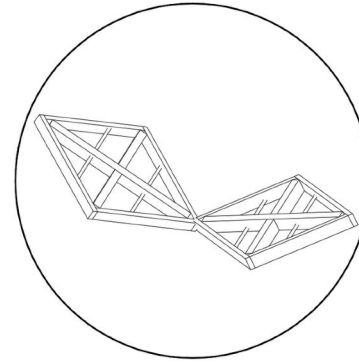
JOINERY OF ROOF STRUCTURE FRAME

150MM X 450MM X 3600MM STEEL BEAM FOR ROOF FRAME

150MM X 450MM X 3300MM STEEL BEAM FOR ROOF FRAME

150MM X 450MM X 5100MM STEEL BEAM FOR ROOF FRAME

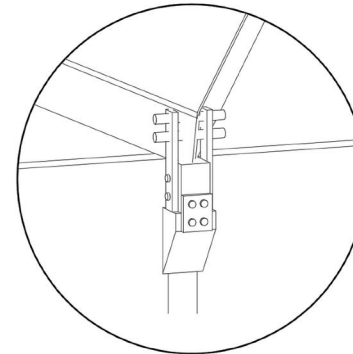
50MM RADIUS STEEL TESNILE BAR TO CONNECT AND SUPPORT ROOF STRCUTURE



40MM RADIUS X 600MM LONG BOLT AND NUT FOR LOCKING FOR LOCKING JIONERY

50MM X 250MM X 300MM STEEL PLATE TO CONNECT

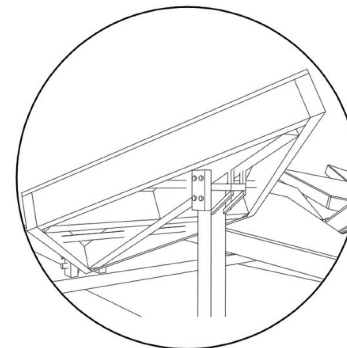
30MM RADIUS X 500MM LONG BOLT AND NUT FOR LOCKING JIONERY



100MM X 250MM X 500MM STEEL PLATE TO CONNECT

40MM X 50MM X 430MM STEEL PLATE OF CONNECT

50MM X 50MM X 200MM STEEL TRUSS TO CONNECT



BECA HUB

Maureen Patricia Martin
1002266006

This project aims to revive a piece of Teluk Intan's cultural heritage that has yet to be lost to time. The iconic Beca, a traditional mode of transportation, was a common sight in Teluk Intan until 2012, when its numbers began to dwindle and eventually disappeared. This project intends to create a space where locals can operate Beca as tour guides, allowing locals and tourists to become more familiar with Teluk Intan's history and culture, leaving them with a memorable and enriching experience.

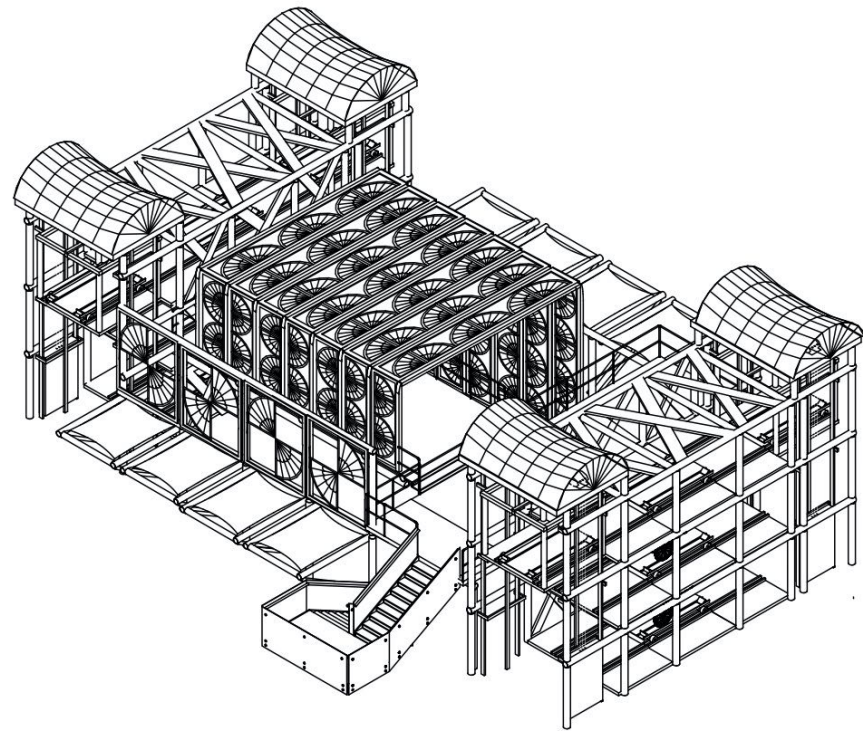
The reintegration of Beca into Teluk Intan's cultural landscape serves as a bridge between the past and the present, offering a glimpse into the town's rich history. By providing a platform for locals to operate Beca as tour guides, this project not only preserves a traditional form of transportation but also creates opportunities for the community to showcase their heritage actively. Additionally, for tourists, riding a Beca becomes more than just a mode of transport; it becomes a journey through time, leaving them with a deeper understanding and appreciation of Teluk Intan's unique charm.

Ultimately, this project seeks to breathe new life into Teluk Intan's cultural heritage by reviving the tradition of Beca. It is a testament to the town's commitment to preserving its history and ensuring that future generations can continue to experience and cherish this critical aspect of their cultural identity.

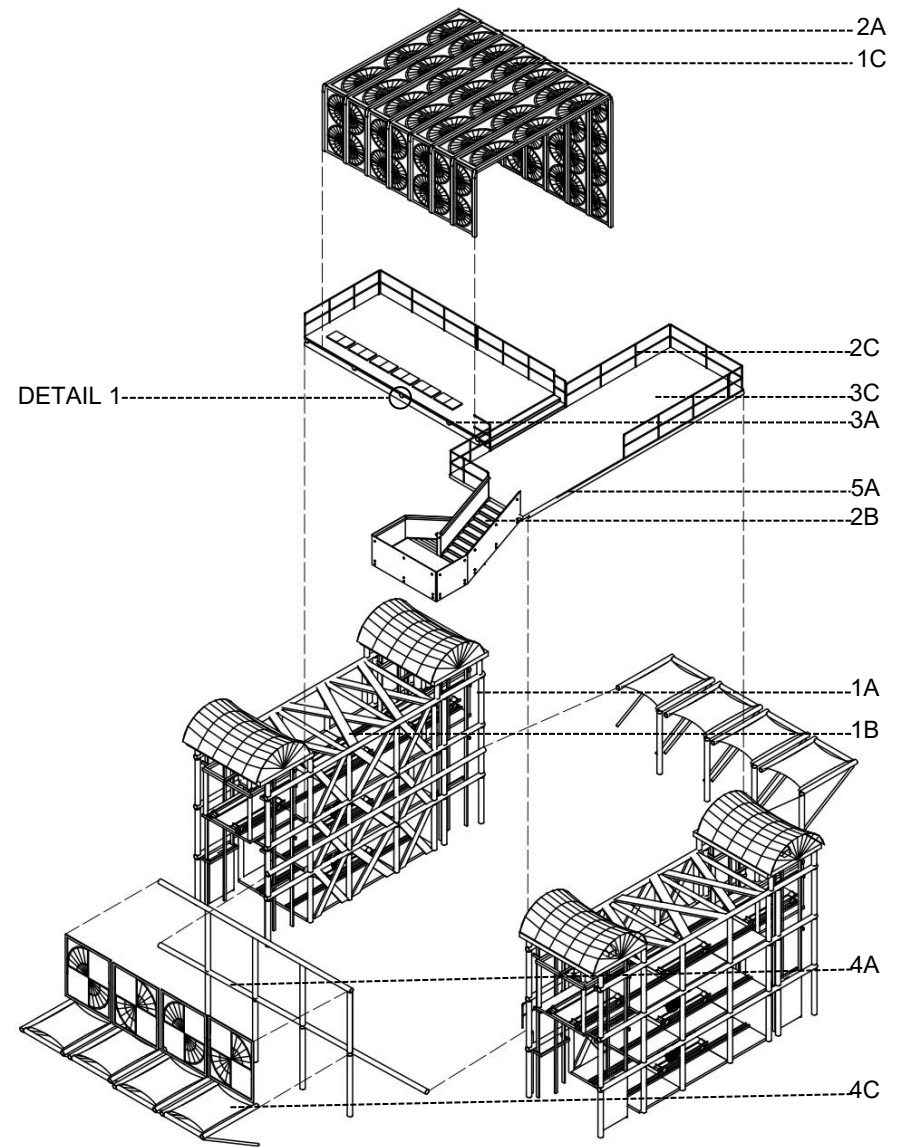
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING

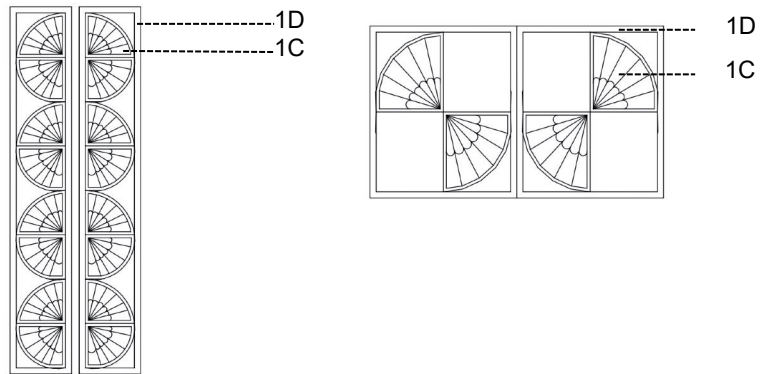


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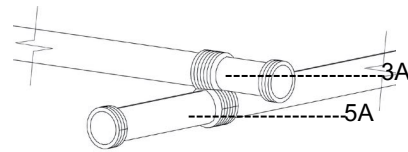
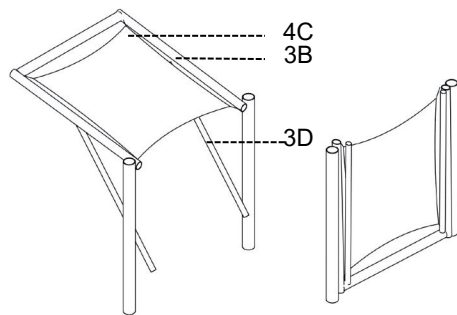


DETAIL DRAWING

ROOF MOTIFS



MOVEABLE ROOF

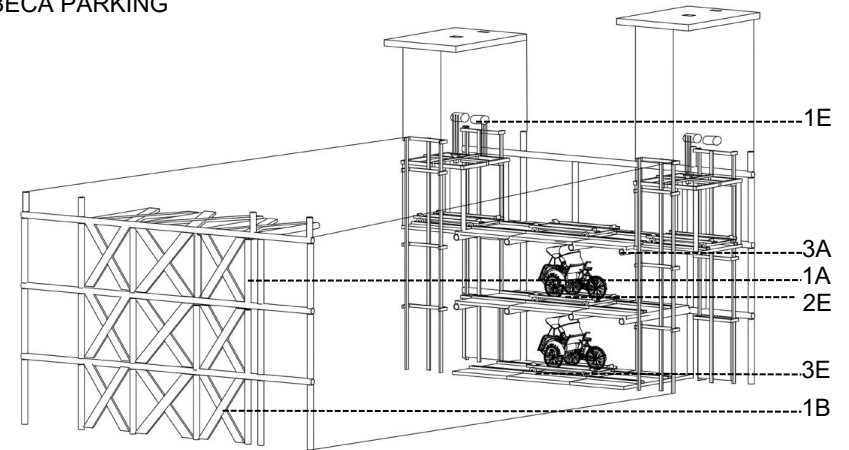


DETAIL 1
FLOOR JOIST AND BEAM JOINERY,
LASHING METHOD

BECA PARKING ROOF



BECA PARKING



PRIMARY STRUCTURE

- 1A. 100M DIAMETER, THICKNESS 12MM BAMBOO COLUMN
- 2A. 150 × 100MM BAMBOO RECTANGLE PLANK ARCHWAY
- 3A. 100M DIAMETER, THICKNESS 12MM BAMBOO FLOOR JOIST
- 4A. 100M DIAMETER, THICKNESS 12MM BAMBOO HORIZONTAL STRUCTURE
- 5A. 100M DIAMETER, THICKNESS 12MM BAMBOO FLOOR BEAM

SECONDARY STRUCTURE

- 1B. 400 × 80MM CHENGAL WOOD X BRACE
- 2B. STAIRCASE
- 3B. 100M DIAMETER, THICKNESS 12MM BAMBOO SECONDARY

FINISHING

- 1C. RED POLYCARBONATE ROOF ARCHWAY FINISHING
- 2C. BAMBOO RAILINGS
- 3C. BAMBOO FLOOR FINISH
- 4C. TENSILE FABRIC

ROOF

- 1D. ROTAN ROOF FRAMING
- 3D. 80MM DIAMETER BAMBOO
- 4D. STEEL FRAMING

BECA PARKING

- 1E. ELEVATOR MECHANICAL
- 2E. STEEL TROLLEY
- 3E. STEEL TRACK

RIVER CRUISE

LOADING YARD

Tham Le Yi
1002266046

Teluk Intan is situated along a meandering river, with the chosen site's meandering river gradually evolving into an oxbow lake. The morphology remains in its initial stage, with the river's erosion persistently encroaching upon the land. Over time, this area often floods due to the soil connection being cut off. Against this backdrop, the objective is to plan and design an activity space capable of alleviating the stress of residents there when floods occur and enhancing community quality of use within the area for social activities.

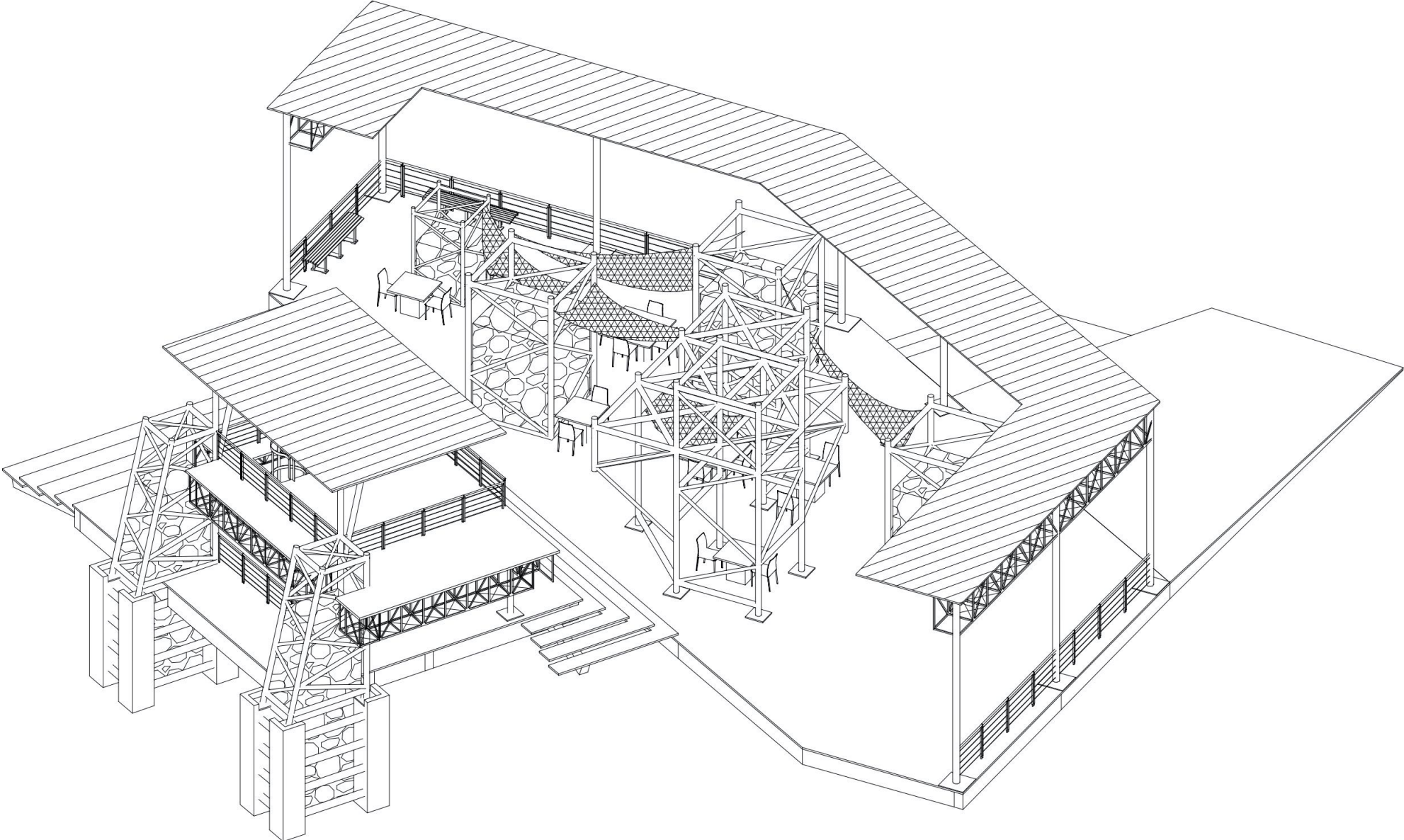
The idea is to use gabion with wire mesh fill in a square steel truss structure. The square truss is standing on the ground level, under the water, and will go from decking to river ground. Gabion can help dissipate some of the energy in the water flow through the rough surface and voids between the individual rocks within the gabion.

A tensile structure is connected between some steel trusses, which serve as the shading device of the area, and in front is a dock for loading and unloading cargo for ships.

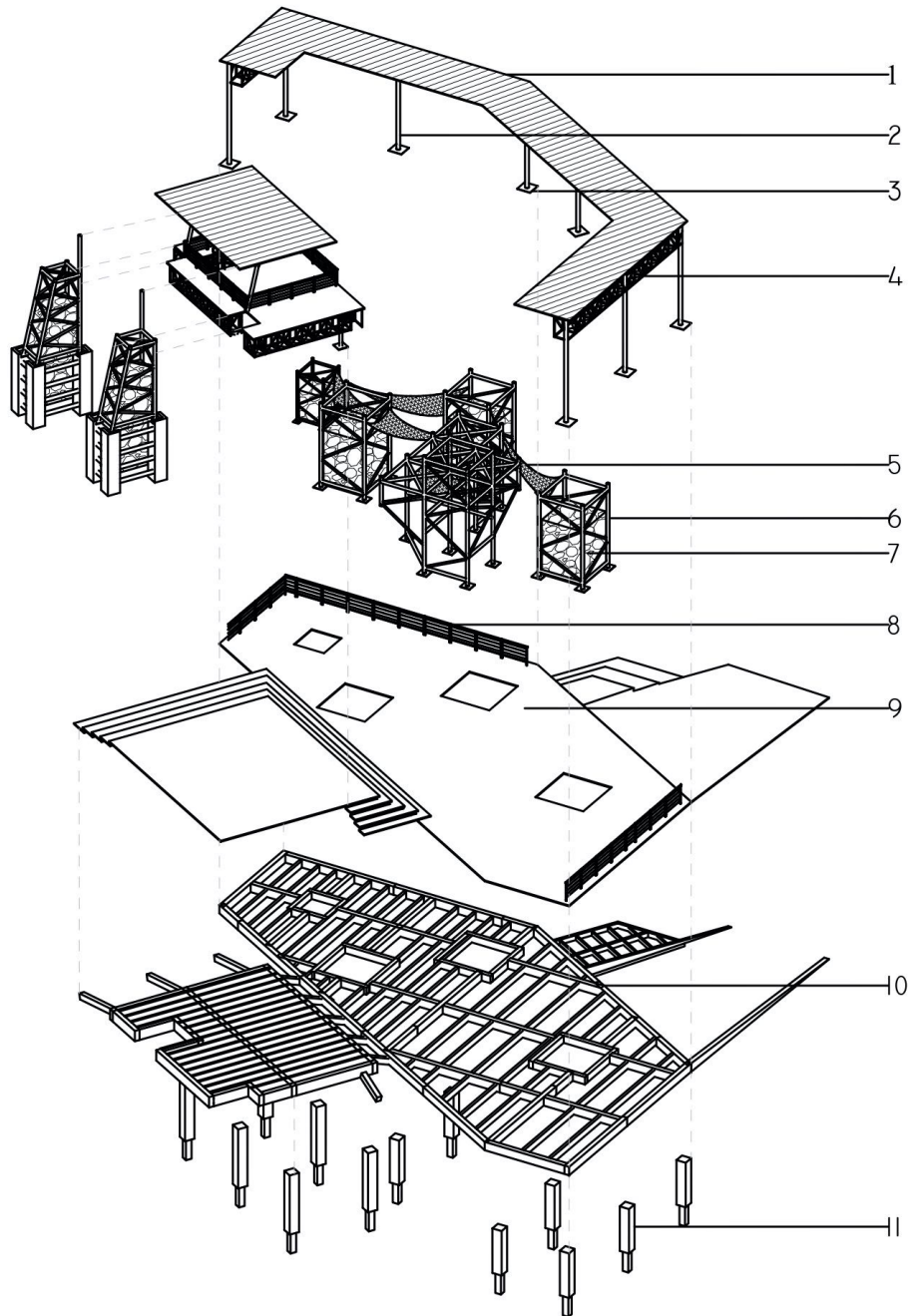
MODEL PHOTOGRAPHY



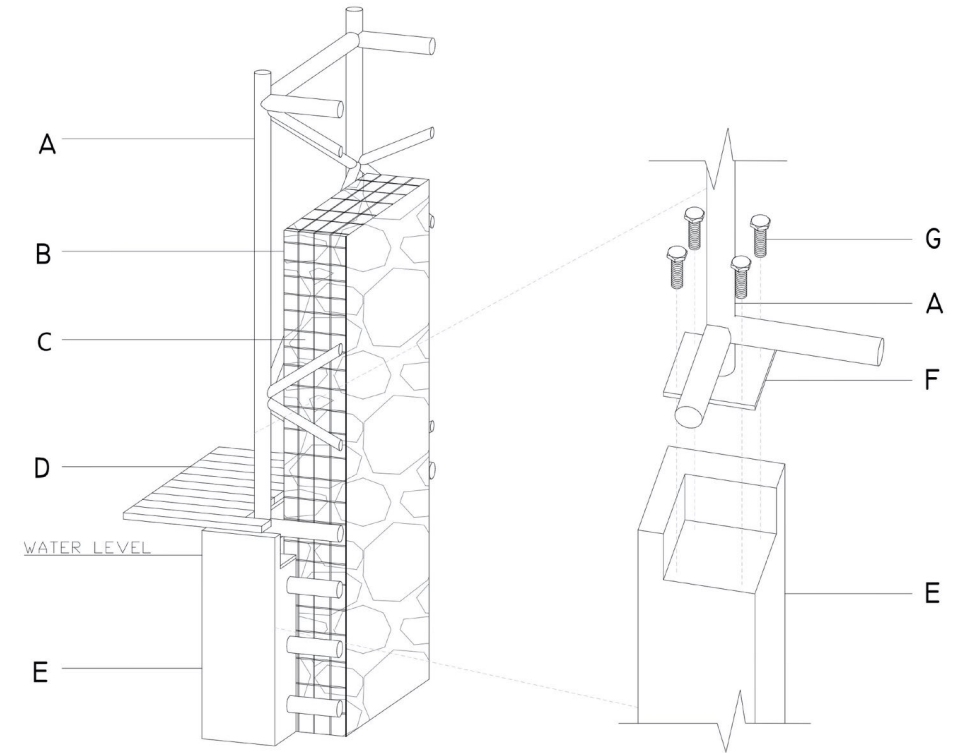
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



1. 2440 X 1200MM POLYCARBONATE ROOF FINISH @ 600C/C W/ SELF- DRILLING SCREWS WITH NEOPRENE WASHER JOINERY
2. 150MM ALLUMINIUM COLUMN W/GALVANISHED COATING
3. 500MM ALLUMINIUM METAL PLATE W/GALVANISHED COATING
4. 500 X 450MM ALLUMINIUM SQUARE TRUSS W/GALVANISHED COATING
5. TENSILE FABRIC @FIBERGLASS MEMBRANE PLATE
6. 4500 X 2500MM STEEL TRUSS
7. 3000 X 2200MM GABION STRUCTURE
8. 1400 X 1200MM ALLUMINIUM RAILLING
9. 500 X 1250MM HARD WOOD TIMBER DECKING @3MM C/C
10. 550 X 150MM HARD WOOD FLOOR FOUNDATION
11. 500 X 500 X 4300MM COMPOSITE PILE

- A. 150 X 4500MM STAINLESS STEEL POST
- B. 55MM GALVANISHED WELDED WIRE MESH
- C. STONE
- D. 500 X 1250MM HARD WOOD TIMBER DECKING @3MM C/C
- E. 650 X 650MM CONCRETE PILE @STEEL BOLT JOIN
- F. 500 X 500MM STEEL PLATE
- G. 90 X 200MM BOLT

FLOATING TREASURE

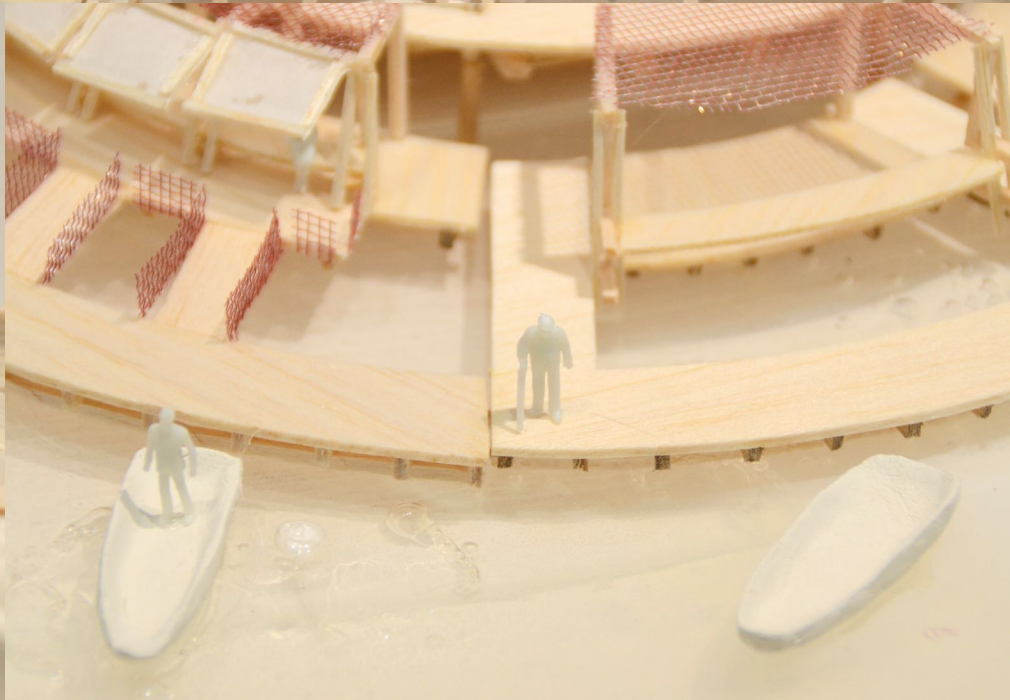
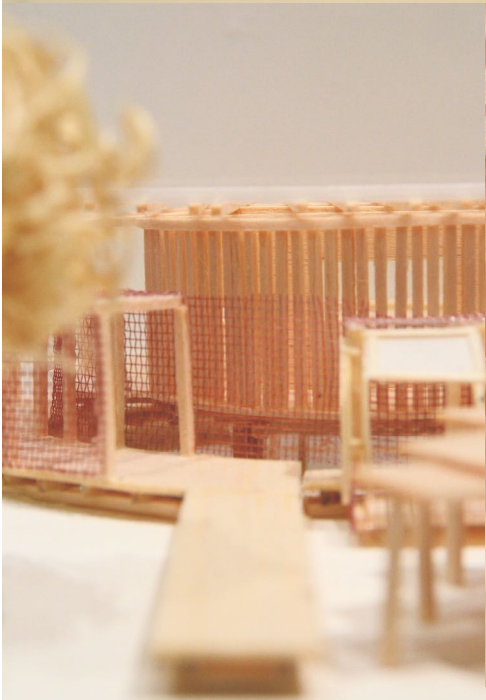
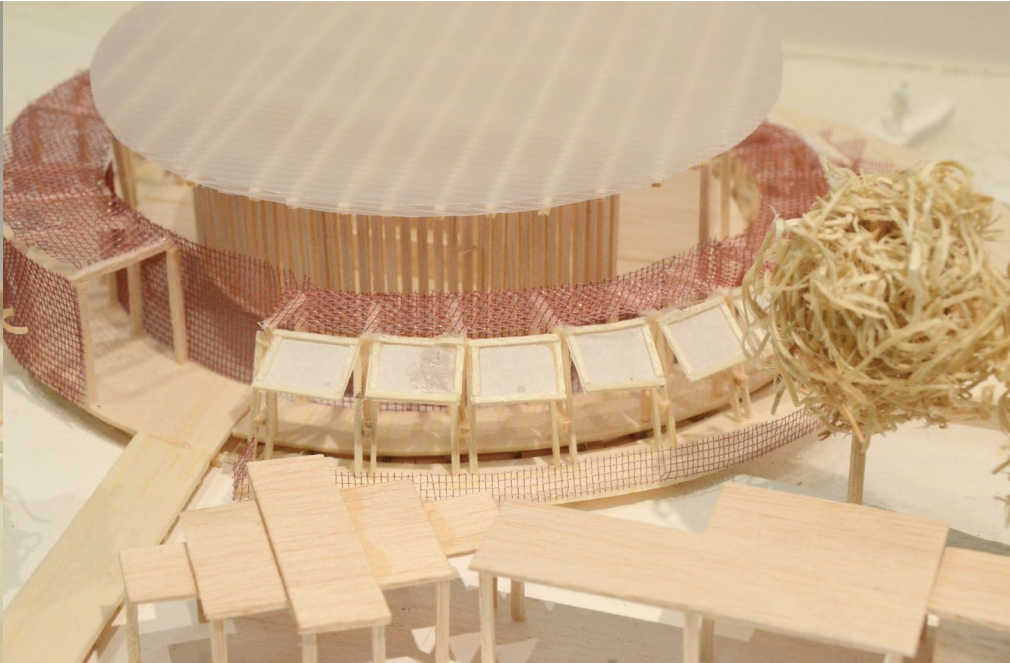
Low Jin Hui
1002161819

Teluk Intan is renowned for its rich cultural heritage and vibrant river activities. Among these, udang galah fishing stands out as a hidden gem. The Perak River teems with fresh Giant River prawns, and local fishermen ply their trade in small boats along its waters. Floating Treasure aims to unveil these hidden fishing activities and provide a space for locals to showcase the region's famous cuisine, such as mee udang galah and udang galah tepung. Additionally, the venue offers a dining area with a scenic view of the sunset, and its walkway features shading panels that move with the tides, creating a unique and immersive experience along the river.

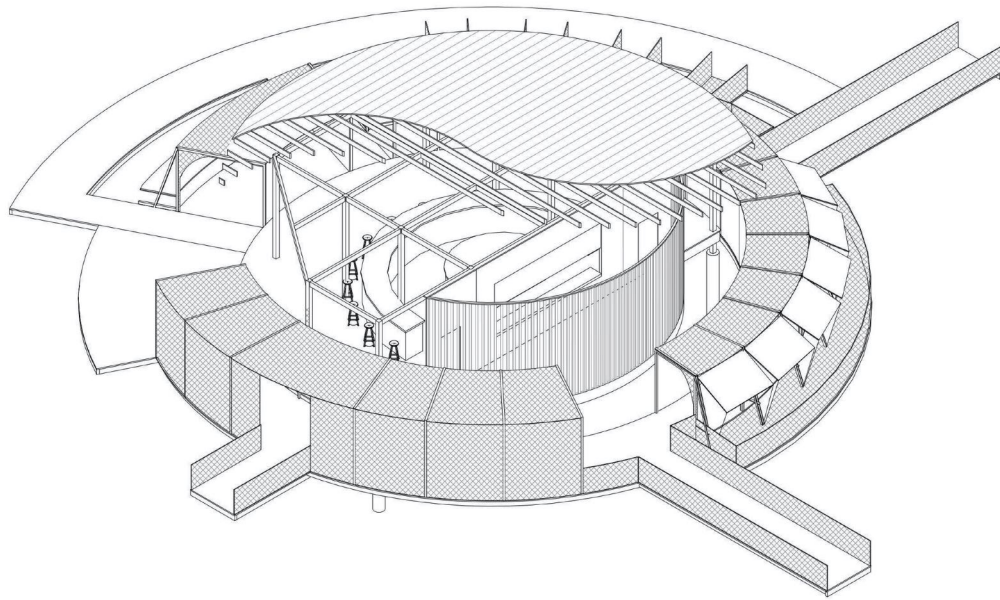
The project seeks to celebrate Teluk Intan's river culture and culinary delights, offering visitors a glimpse into the local way of life. Floating Treasure bridges the gap between tradition and modernity by showcasing udang galah fishing activities and providing a space for regional cuisine. The dining area's strategic location allows guests to enjoy a meal and a panoramic view of the picturesque river, enhancing their overall dining experience.

Furthermore, the shading panels that move with the tides provide practical sun protection and add dynamism to the space, mimicking the ebb and flow of the river. This innovative design feature not only enhances the project's aesthetic appeal but also symbolises the resilience and adaptability of Teluk Intan's river community.

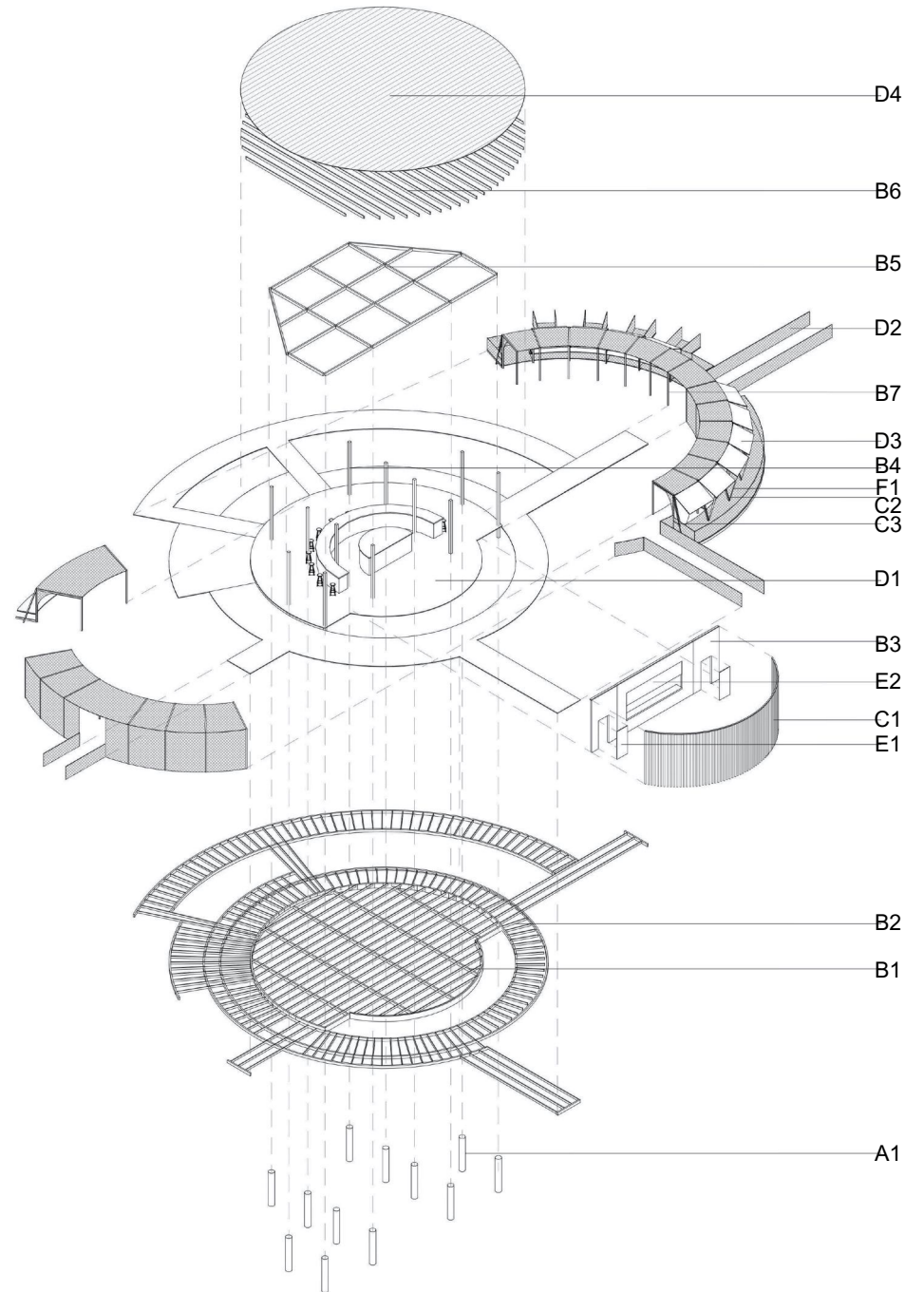
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING

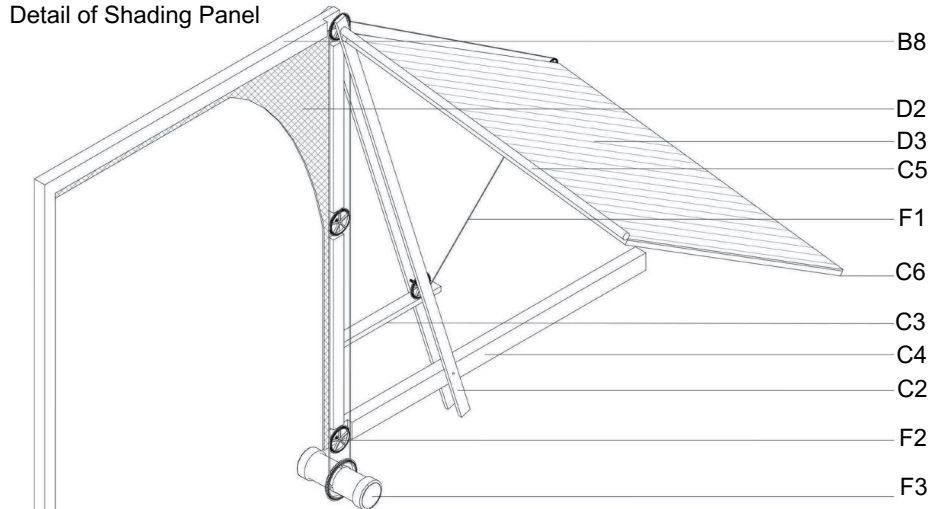


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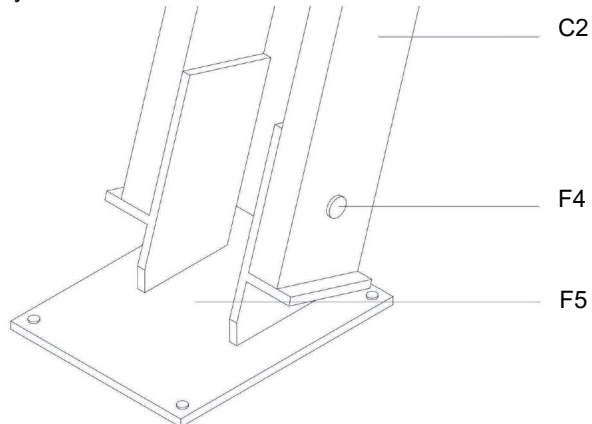


DETAIL DRAWING

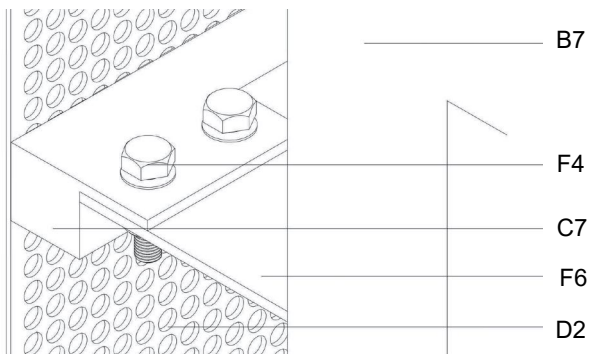
Detail of Shading Panel



Joinery of Stainless Steel Bar with Floor



Joinery of Perforated Sheet



A. SUPERSTRUCTURE

1. 300MM DIA. CONCRETE PILE FOUNDATION

B. PRIMARY STRUCTURE

1. 89X184MM CHENGAL WOODEN FLOOR BEAM @2000MM C/C
2. 35X140MM CHENGAL WOODEN FLOOR JOIST @600MM C/C
3. 100MM TIMBER LOAD BEARING WALL
4. 120X120MM CHENGAL WOODEN COLUMN
5. 89X184MM CHENGAL WOODEN BEAM
6. 50X184MM CHENGAL WOODEN ROOF RAFTER @600MM C/C
7. 70X70MM STAINLESS STEEL HOLLOW BAR COLUMN @RED PAINT COATING
8. 70X70MM STAINLESS STEEL HOLLOW BAR BEAM @RED PAINT COATING

C. SECONDARY STRUCTURE

1. 70X70 MM CHENGAL WOOD VERTICAL LOUVRE @130MM C/C
2. 20X60MM STAINLESS STEEL HOLLOW BAR TRUSS @RED PAINT COATING
3. 36X70MM STAINLESS STEEL HOLLOW BAR TRUSS @RED PAINT COATING
4. 50X70MM STAINLESS STEEL HOLLOW BAR TRUSS @RED PAINT COATING
5. 20MM DIA. STAINLESS STEEL HOLLOW BAR TRUSS @RED PAINT COATING
6. 20X20MM PINE WOODEN FRAMING
7. 30X30MM STAINLESS STEEL HOLLOW BAR TRUSS @RED PAINT COATING

D. FINISHES

1. 30X140MM TIMBER FLOOR PLANKS @TIMBER FINISH SYELEK
2. 3MM STAINLESS STEEL PERFORATED SHEET @RED PAINT COATING
3. 8MM CLEAR POLYCARBONATE SHADING PANEL
4. 10MM CLEAR POLYCARBONATE ROOF PANEL @ 10MM JOINER CAP

E. OPENING

1. 980X2100MM PLYWOOD SINGLE SWING DOOR
2. 10MM FROSTED GLASS KITCHEN OPENING

F. MISCELLANEOUS

1. 6MM WIRE ROPE TENSION @METRIC THREAD EYEBOLTS & NUTS
2. 8M STAINLESS STEEL SPUR GEAR
3. 300MM DIA. PE BUOYS
4. M8 STAINLESS STEEL BOLT AND NUT
5. 45° ANGLED STAINLESS STEEL PLATE JOINERY
6. 4X30MM STAINLESS STEEL PLATE @RED PAINT COATING

EXPERIENCE

THE MANGROVE

Clara Winiputri
1002266347

This place-making project delves into the Apple Mangrove found along the river in Teluk Intan, dissecting its various components—roots, trunks, branches, and fruits. Visitors to this space will journey through these different parts of the tree, offering them a unique and immersive experience. The project also aims to raise awareness about the importance of mangroves, a tree with significant ecological value in coastal areas.

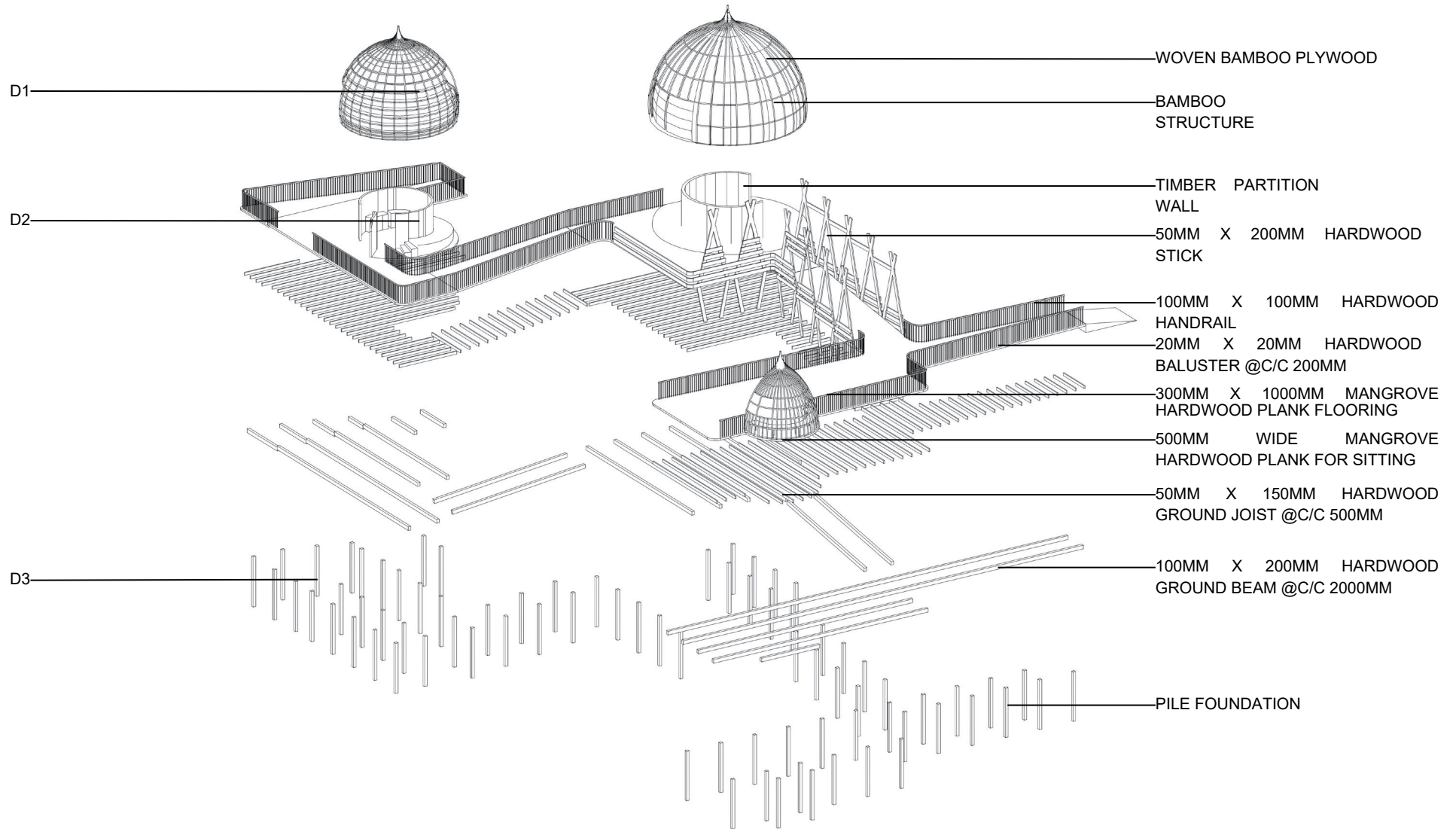
The design of the place-making project incorporates mangrove timber, abundant in the area, and bamboo. Bamboo was chosen for its structural properties and availability on the site, blending harmoniously with the other materials used. The use of bamboo not only serves a functional purpose but adds to the overall aesthetic of the space, creating a seamless blend of nature and architecture.

The Apple Mangrove tree's form and structure inspire the project's architectural elements. The linear arrangement of timber planks on the platform reflects the repetitive pattern in the tree's roots. Similarly, the structures along the ramp mimic the shape of the trunk and branches, while the bamboo structures imitate the structure of mangrove leaves. The design also incorporates spaces that mirror the shape of the Apple Mangrove fruit, creating a cohesive and immersive experience that celebrates the beauty and importance of this coastal tree.

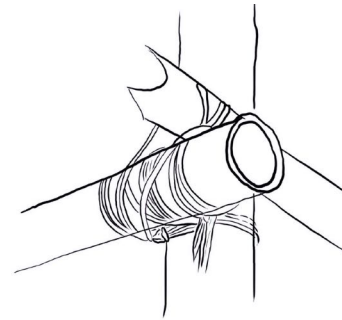
MODEL PHOTOGRAPHY



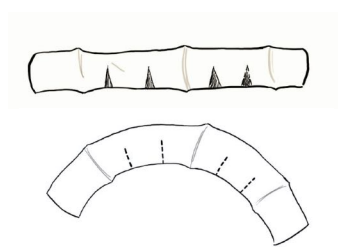
EXPLODED AXONOMETRIC DRAWING



BAMBOO JOINERY (D1)

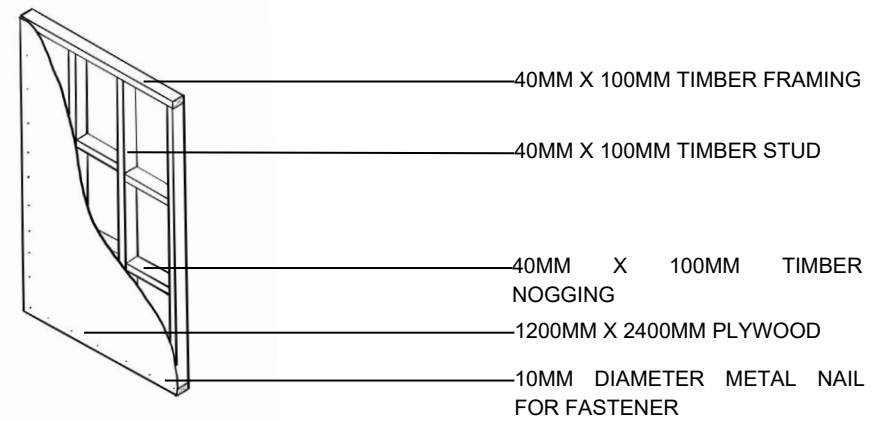


BAMBOO LASHING

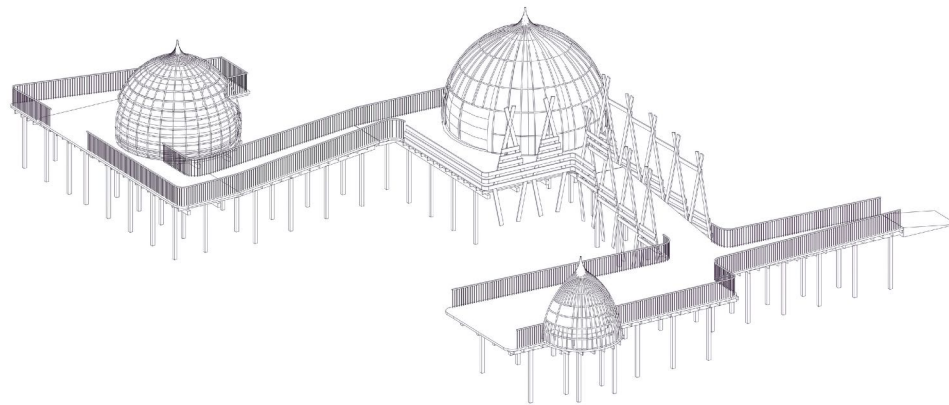
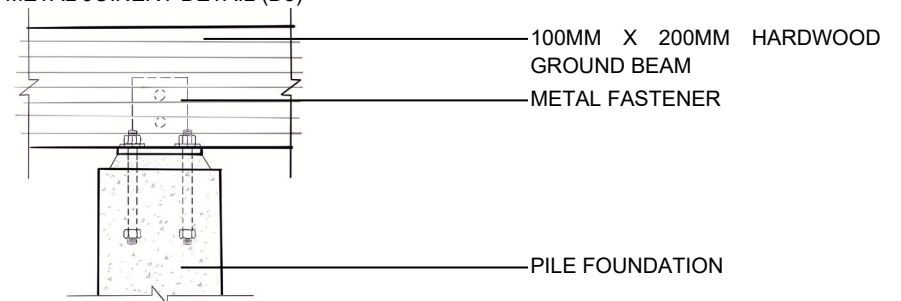


TO BEND BAMBOO, NEED TO CUT 3/4 OF THE DIAMETER THEN BEND AND PUT ADHESIVE TO LOCK IT

PARTITION DETAIL(D2)



METAL JOINERY DETAIL (D3)



OASIS

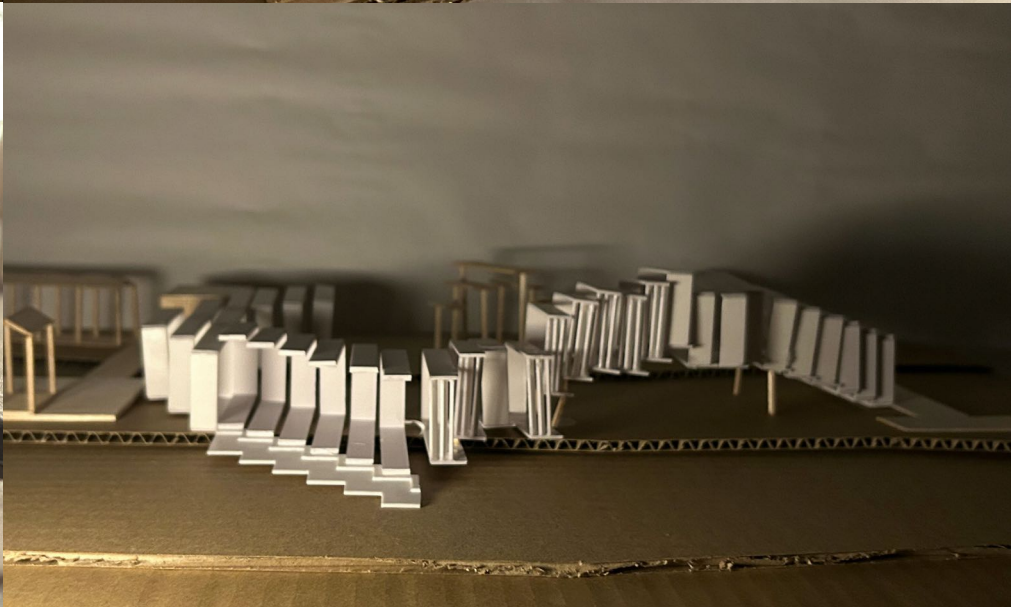
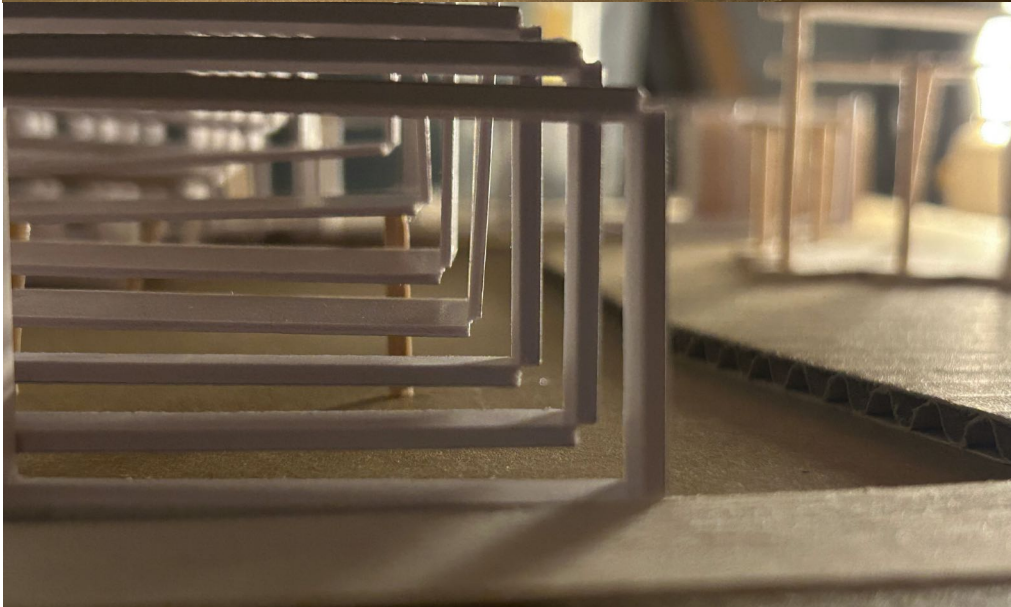
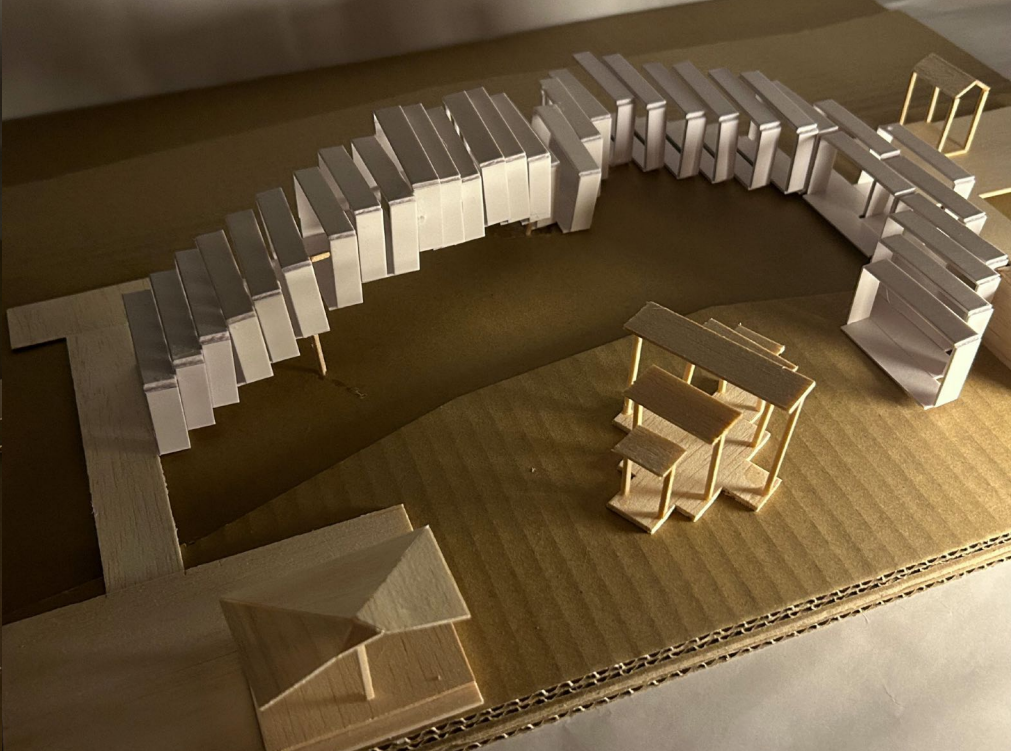
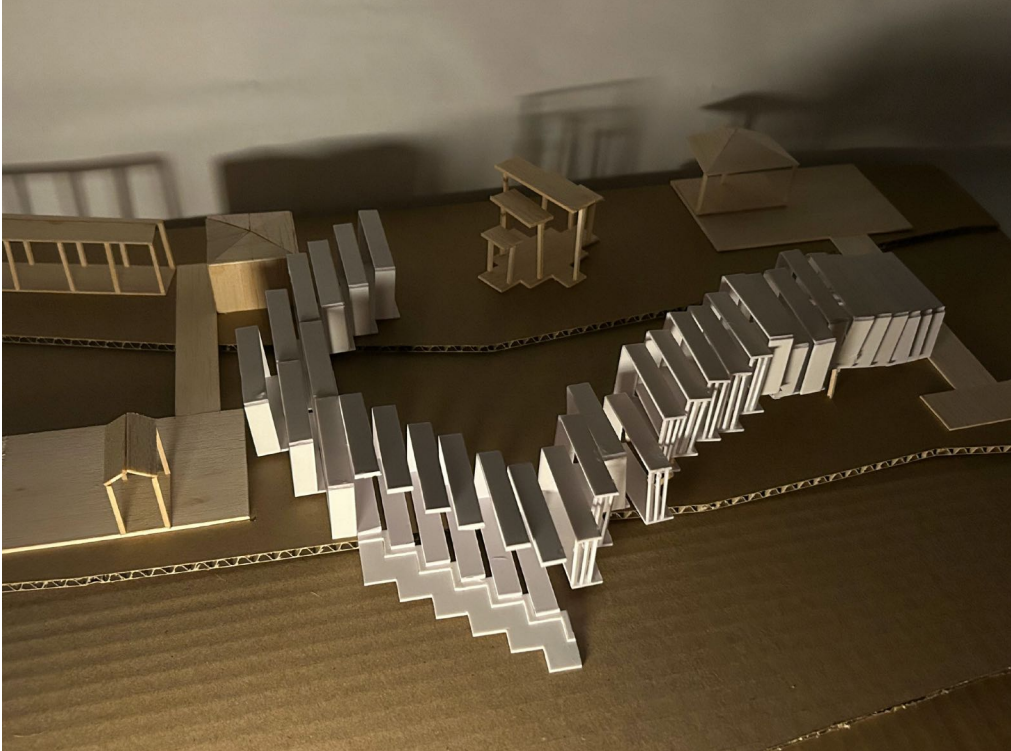
Lim Li Jin
1002266728

Teluk Intan's charm extends beyond its iconic leaning tower, Menara Condong. The town is home to a treasure trove of hidden gems along the Perak River, including Pulau Bangau, a Bird Sanctuary, and the traditional Udang Galah fishing activities.

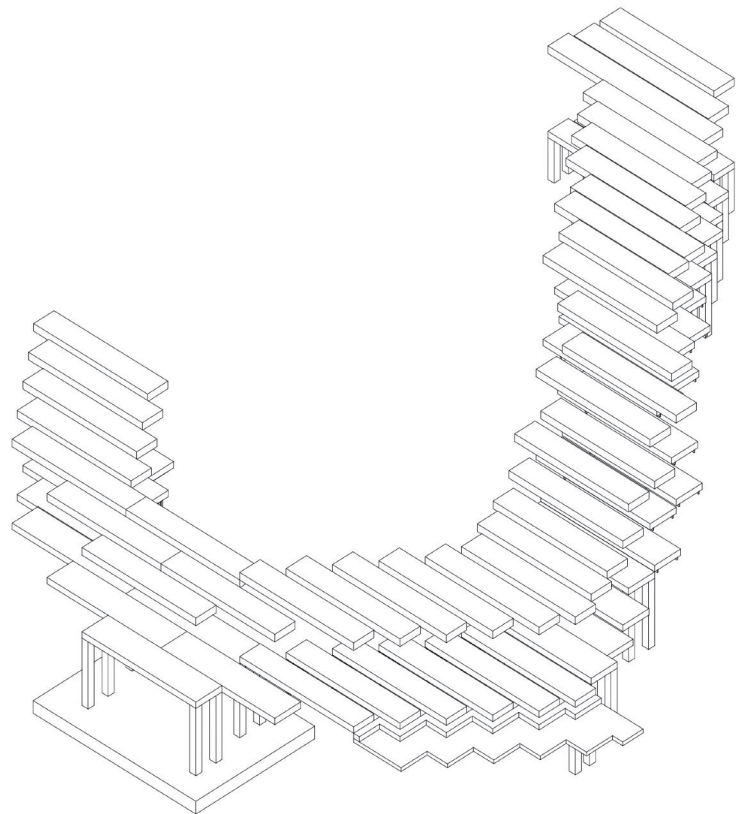
This project, aptly named "An Oasis," aims to serve as a focal point where the area's diverse activities and natural beauty converge. Drawing inspiration from its namesake—a fertile spot in a desert where water is found—An Oasis seeks to offer visitors a multifaceted experience. From observing the graceful return of Bangau birds to Pulau Bangau to witnessing the serene flow of the river and engaging in picturesque fishing adventures, this space promises a blend of natural beauty and cultural richness.

The design of An Oasis is guided by the desire to create a harmonious and engaging environment that celebrates Teluk Intan's natural and cultural heritage. Through thoughtful design elements and immersive experiences, the project aims to showcase the town's hidden treasures and give visitors a deeper appreciation of its unique identity.

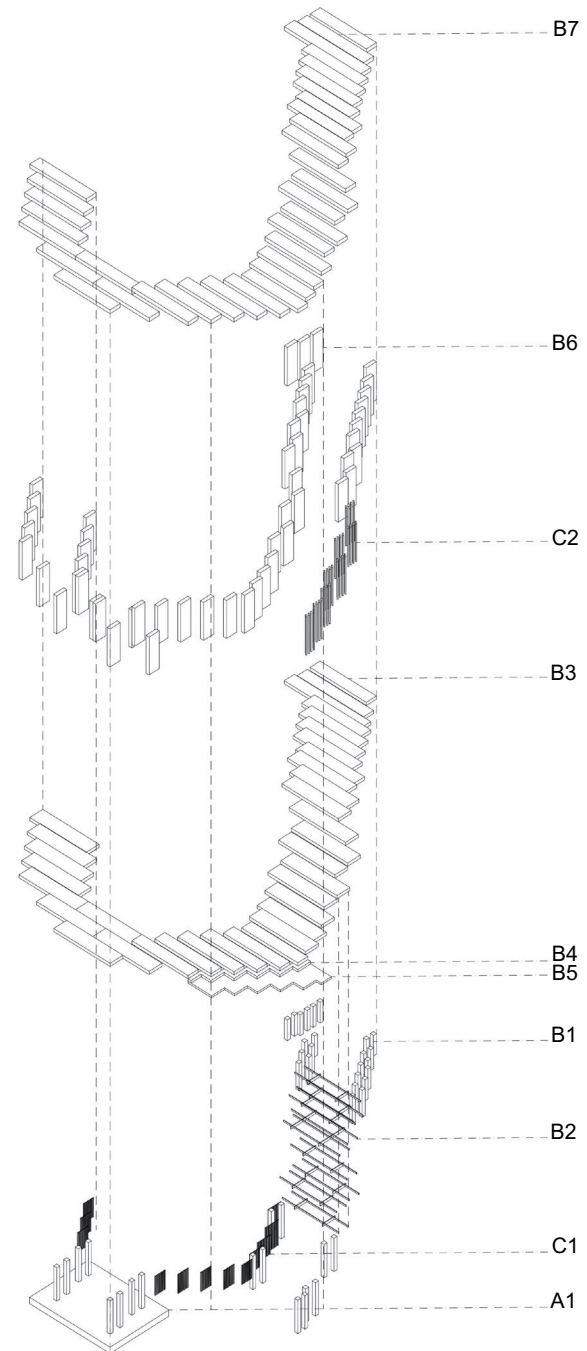
MODEL PHOTOGRAPHY



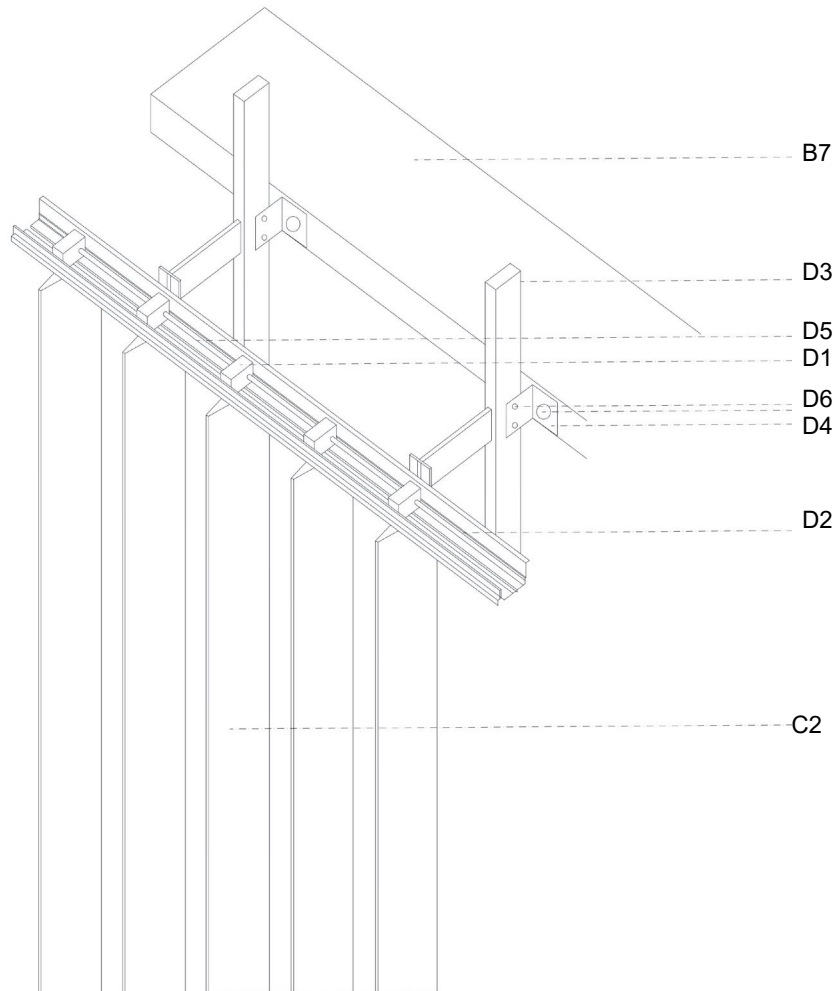
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



Joinery of Movable Vertical Louvers

A. SUPERSTRUCTURE

A1 RAFT COMBINED FOUNDATION, TO COMBINE ALL COLUMNS THAT ARE CLOSE TO EACH OTHER

B. PRIMARY STRUCTURE

B1 300MM × 300MM CONCRETE COLUMN, TO SUPPORT PLATFORM ABOVE

B2 40MM × 100MM CHENGAL BEAM

B3 300MM THICK 5000MM × 1000MM LIGHTWEIGHT CONCRETE FLOOR

B4 250MM × 180MM LIGHTWEIGHT CONCRETE, TO IMITATE STAIRS

B5 PLATFORM FOR FISHING ACTIVITIES

B6 1000MM × 300MM CHENGAL WOOD WALL

B7 5000MM × 1000MM LIGHTWEIGHT CONCRETE SLAB ROOF

C. SECONDARY STRUCTURE

C1 40MM × 40MM CHENGAL COLUMN, TO INCREASE SAFETY OF GATHERING AREA

C2 300MM × 80MM CHENGAL SLAT, MOVABLE LOUVERS

D. MISCELLANEOUS

D1 50MM × 106MM HEAD GEAR

D2 GUIDE RAIL

D3 50MM × 200MM STEEL MULLION

D4 100MM × 87MM L BRACKET

D5 10MM DIA. DRIVING AXIS

D6 M8 STAINLESS STEEL BOLT AND NUT

HARMONY PAVILLION

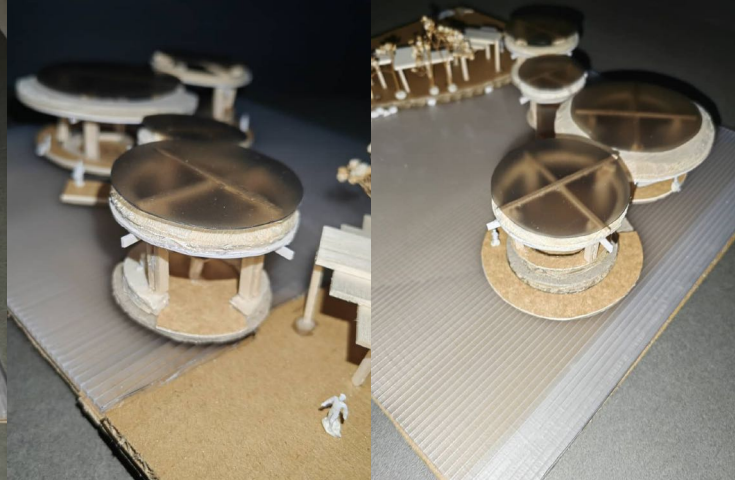
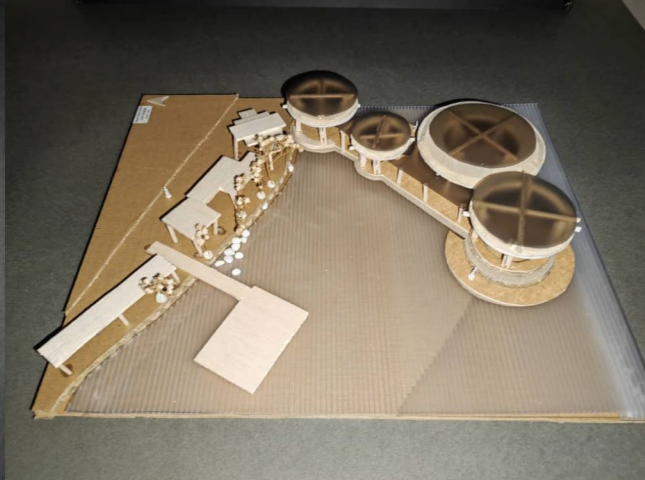
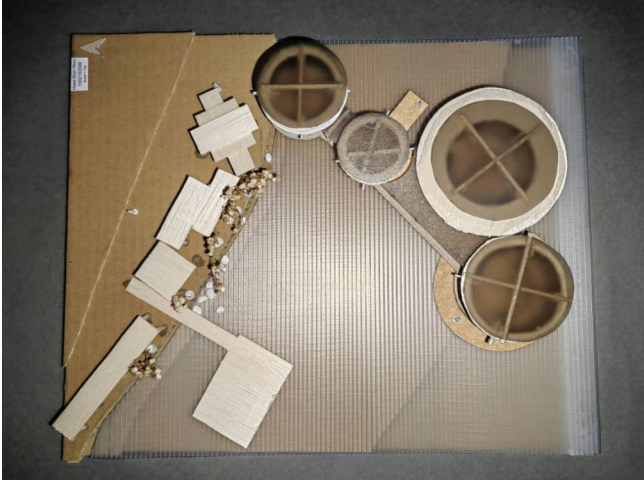
Hiew Sher Minn
1002162586

"Embracing Generations in Seafood Haven, Teluk Intan Harbour" is a project designed to address the growing need for spaces where younger and older generations can interact and engage with each other. With the elderly population increasing annually in Teluk Intan, there is a greater need for spaces that promote social interaction and companionship. This project aims to create such a space by drawing inspiration from the dynamic movements of the Lion Dance, symbolising vitality and interaction.

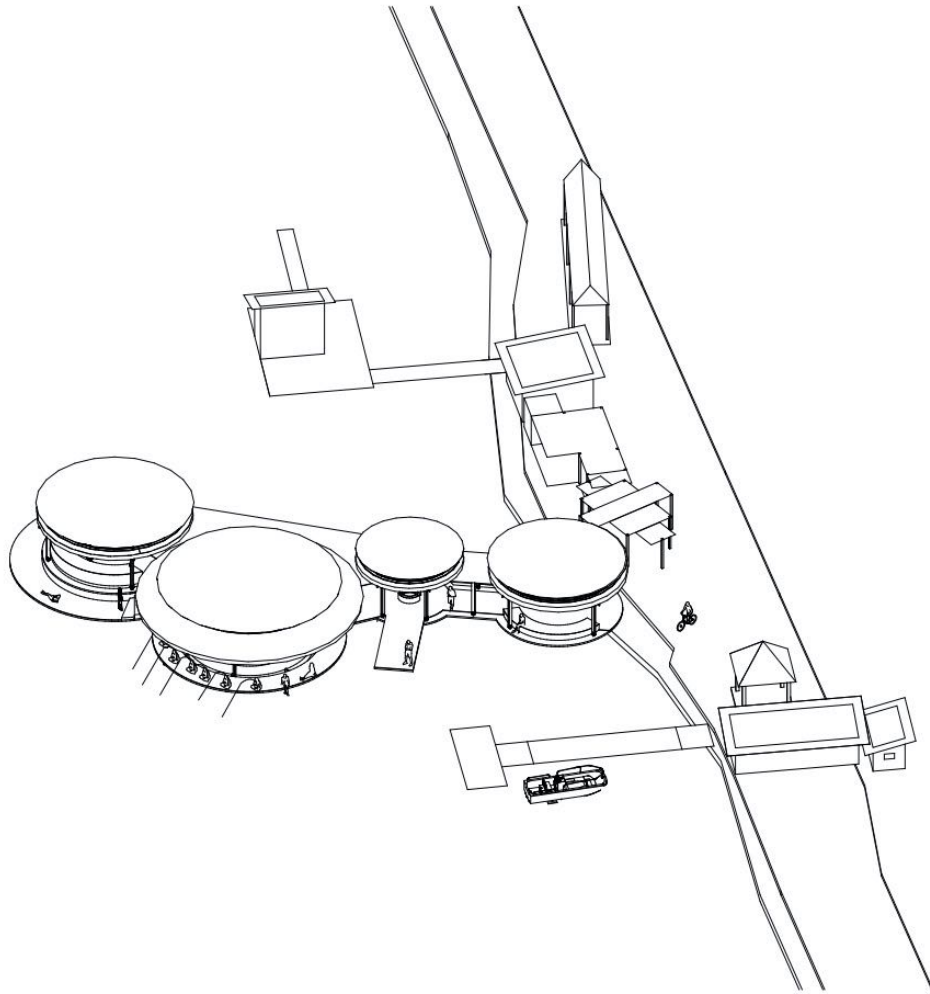
The design concept of this project is not just about creating a physical space but also about fostering a sense of community and connection. Incorporating elements from the Lion Dance, such as its metal pillar levelling and jumping motions, adds a cultural touch to the space while encouraging movement and activity. The intention is to create a space where people can gather, interact, enjoy scenic views, and indulge in the best seafood amidst a refreshing harbour breeze.

Tectonic expression plays a crucial role in the design, focusing on principles like material honesty, exposed structural elements, articulated joists, and responsive forms. These architectural elements enhance the project's visual appeal and contribute to its functionality and sustainability. The design aims to create a harmonious blend of aesthetics, cultural significance, and practicality, making Teluk Intan Harbour a vibrant and engaging destination for people of all ages.

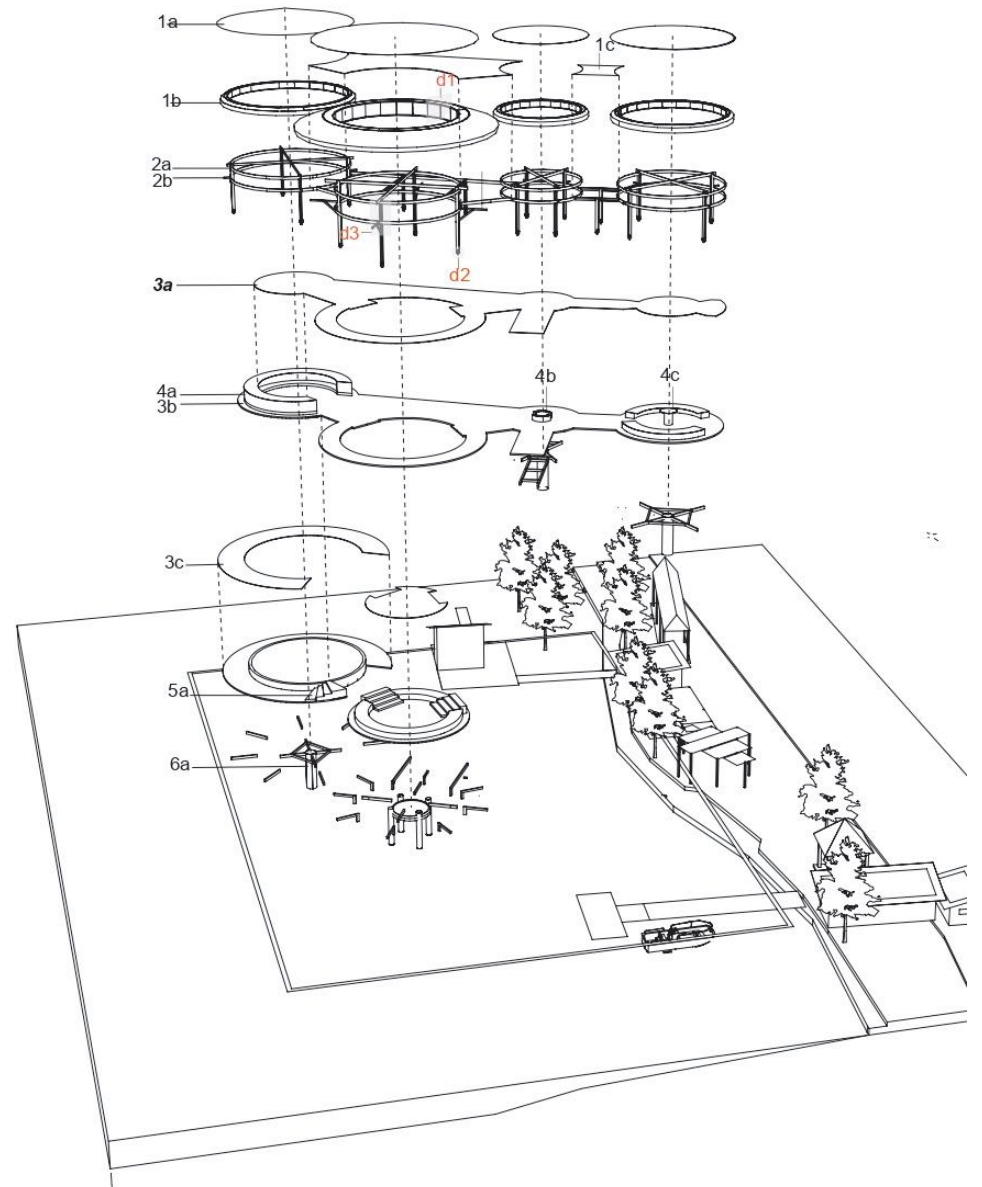
MODEL PHOTOGRAPHY



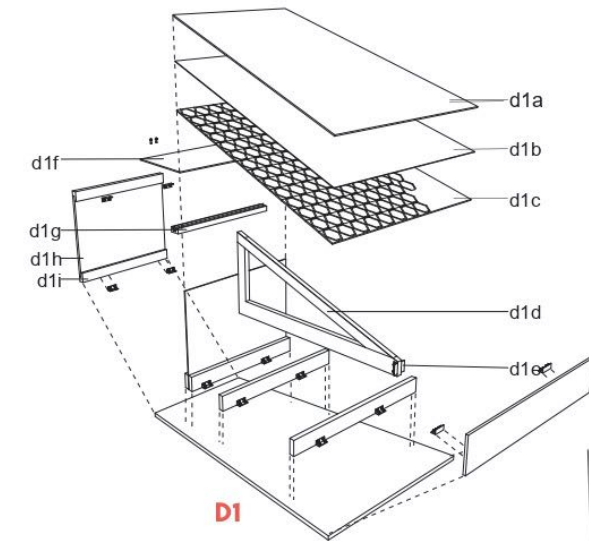
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING

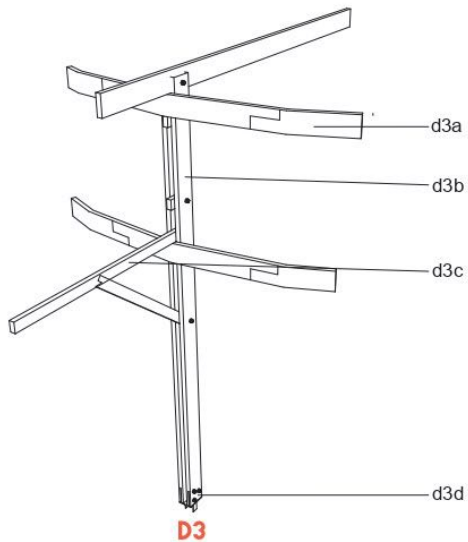
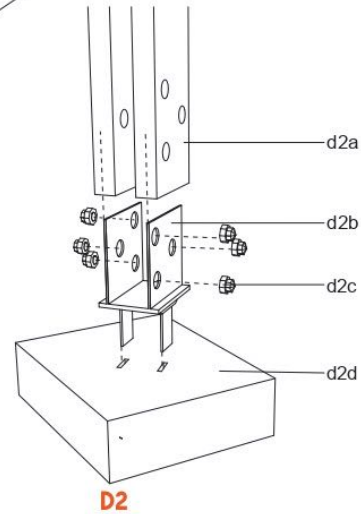


- 1A-10MM TRANSLUCENT PANEL ROOFING@80 PER.
- 1B-10MM PLYWOOD @STRUCTURAL HONEYCOMB PANELS
- 1C-10MM TRANSLUCENT PANEL@60 PER.
- 2A- 50 X150MM CHENGGAL WOOD BEAM
- 2B-50 X100MM ROOF BEAM
- 3A-30MM CHENGGAL WOODEN FLOORINGPLANKS
- 3B-100MM CONCRETE SLAB
- 3C-30MM CHENGGAL WOODEN PLANKS
- 4A-300MM CONCRETE BBQ STOVE WALL
- 4B-30MM CONCRETE FISHING ROD HOLDER
- 4C-10MM PLYWOOD TABLE TOP
- 5A-150MM RISER CONCRETE STAIRS
- 6A-400MM REINFORCES CONCRETE COLUMN

- D1A-5MM ALUMINIUM ROOFING PANEL
- D1B-5MM WATERPROOF INSULATION
- D1C-10MM HONEYCOMB ALUMINIUM PANLE
- D1D-50 X100MM WOODEN TRUSS
- D1E-100 X150MM METAL BRACKET
- D1F-100MM WOODEN PLYWOOD CEILING COVERAGE
- D1G-FLORECENT TUBE LIGHTING @YELLOW COLOR
- D1H-5MM ALUMINIUM TRANSLUCENT PANEL FRAMING

- D2A-50X200MM CHENGGAL WOODEN COLUMN
- D2B-100MM HEIGHT FROM FLOOR METAL HINGE
- D2C-BOILT AND NUTS
- D2D-100MM CONCRETE SLAB

- D3A-50X200MM CHENGGAL WOODEN COLUMN
- D3B 50X100MM CHENGGAL WOODEN CURVE BEAM @RABBIT JOINERY
- D3C-WOODEN ROOF TRUSS



INTERACTO

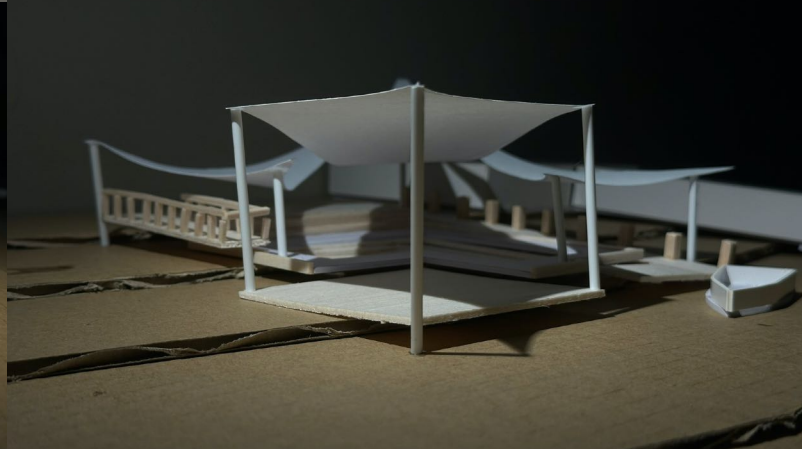
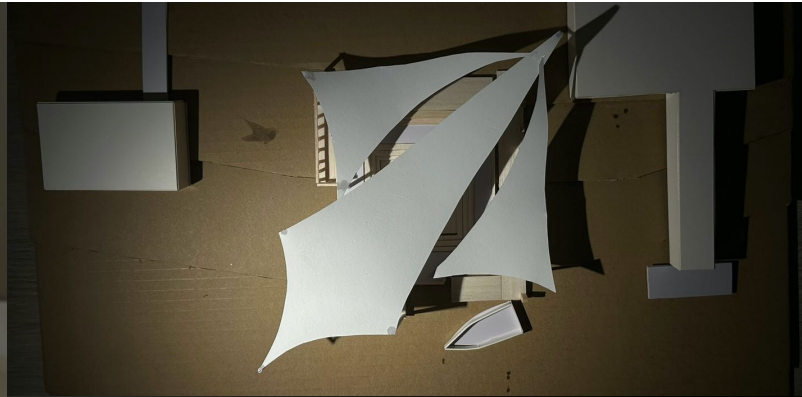
Orville Christopher
1002266408

This placemaking project aims to enhance human interaction within the existing spaces on the site, mainly focusing on the elderly population while also welcoming visitors. Local elderly residents predominantly use the site's areas, but they may not be designed to invite visitors. To address this, the project integrates seating areas without distinct divisions, encouraging interaction between elderly residents and visitors. These interactions serve as a platform for visitors to learn about the authentic history of Teluk Intan directly from knowledgeable local sources.

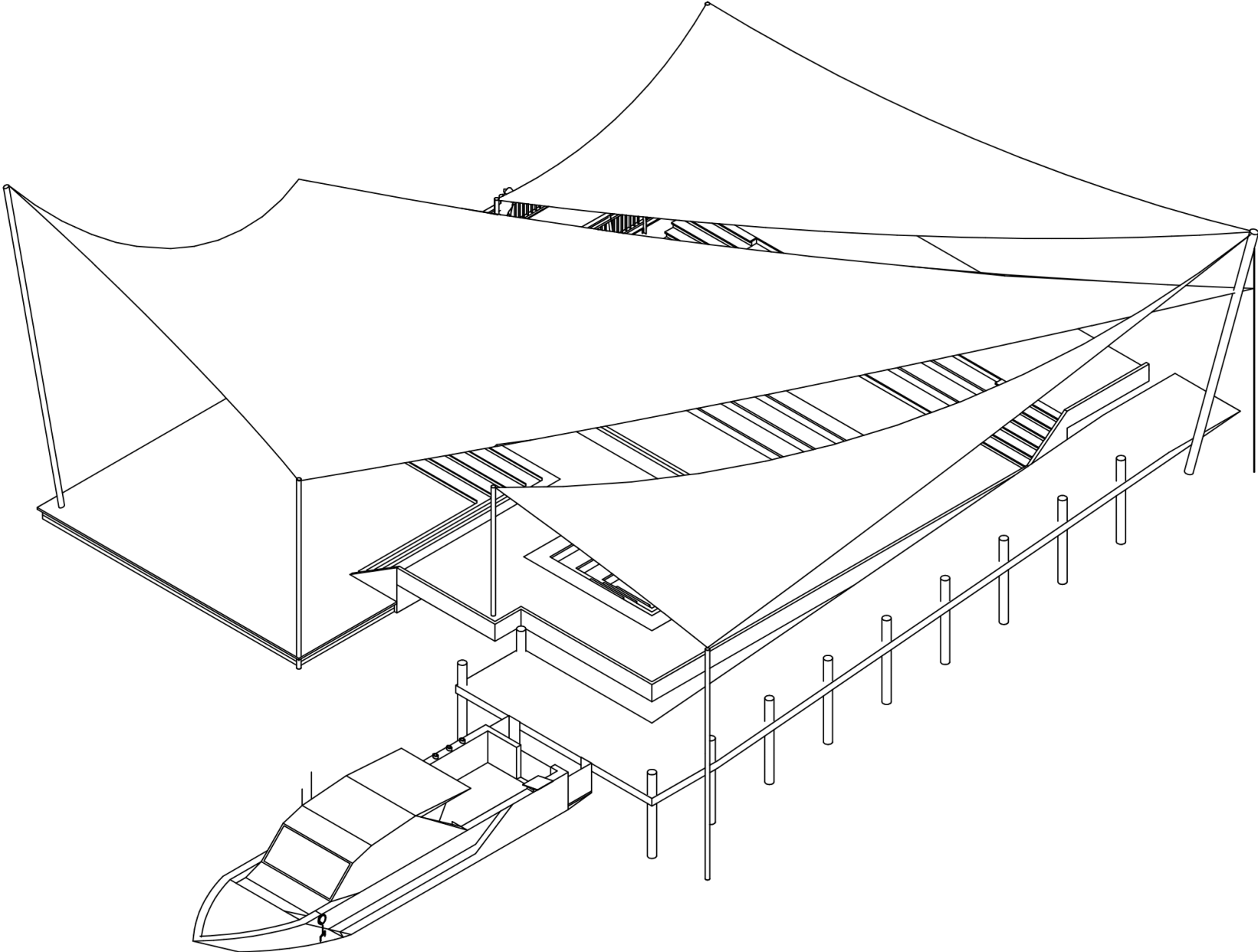
The design concept revolves around creating a space that fosters meaningful human connections and cultural exchange. By breaking down barriers between different user groups, such as elderly residents and visitors, the project seeks to create an inclusive environment where stories and experiences can be shared. The integrated seating areas are strategically placed to facilitate spontaneous interactions, allowing for exchanging knowledge and stories that contribute to a richer understanding of Teluk Intan's history.

This placemaking project aims to transform the site into a vibrant cultural exchange and social interaction hub by integrating welcoming and inclusive design elements. By bridging the gap between residents and visitors, the project seeks to create a space where the unique history and heritage of Teluk Intan can be preserved and celebrated for generations to come.

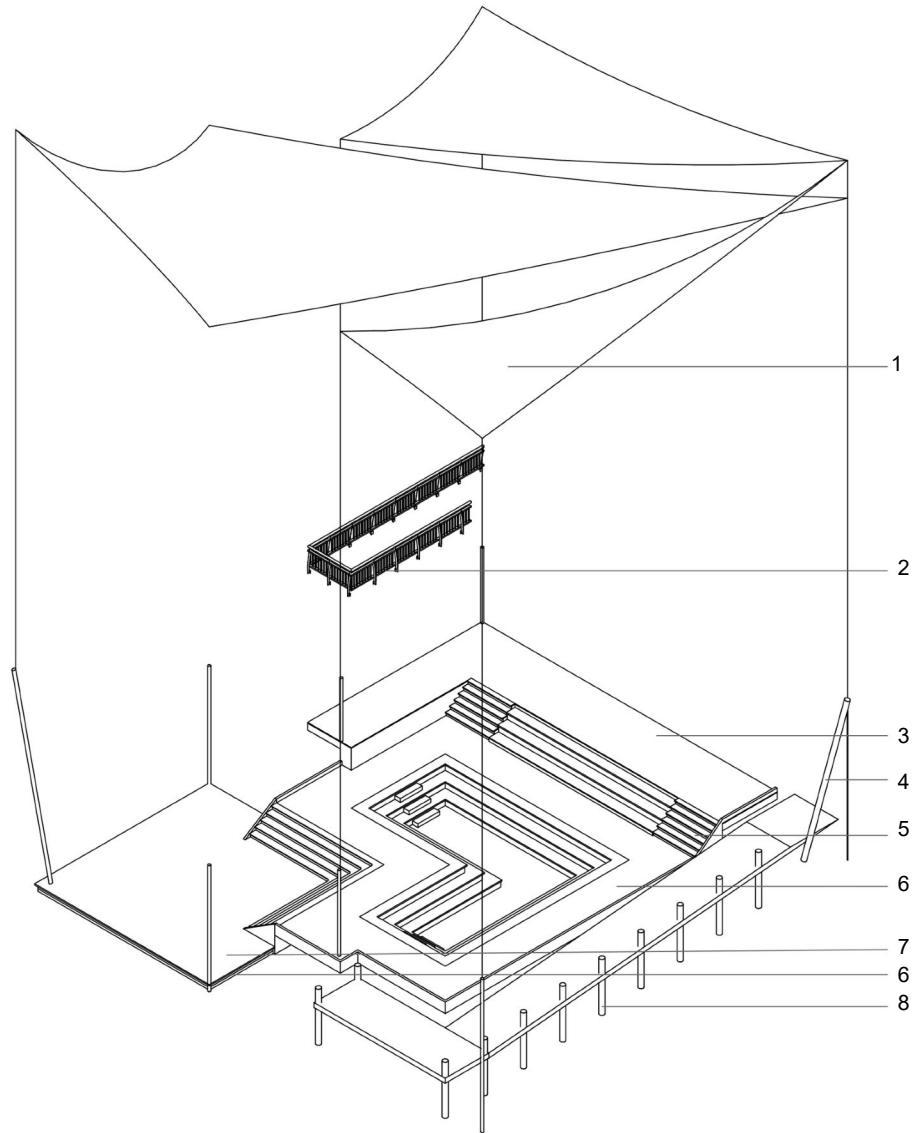
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING



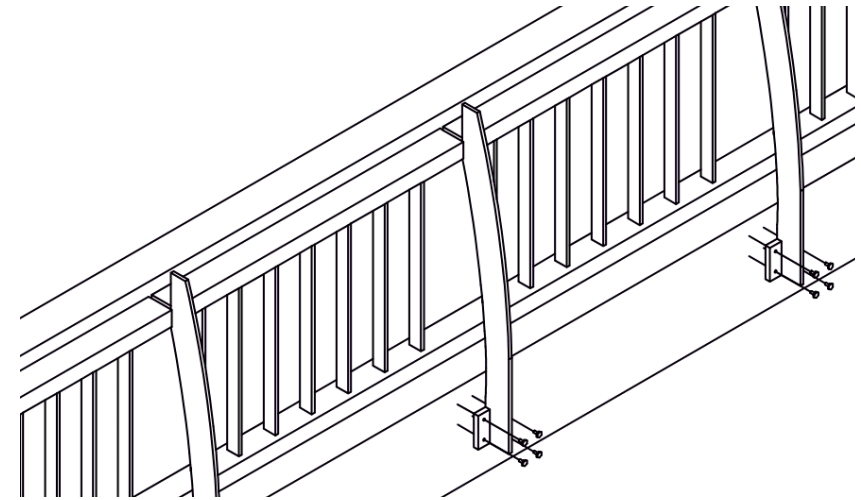
EXPLODED AXONOMETRIC DRAWING



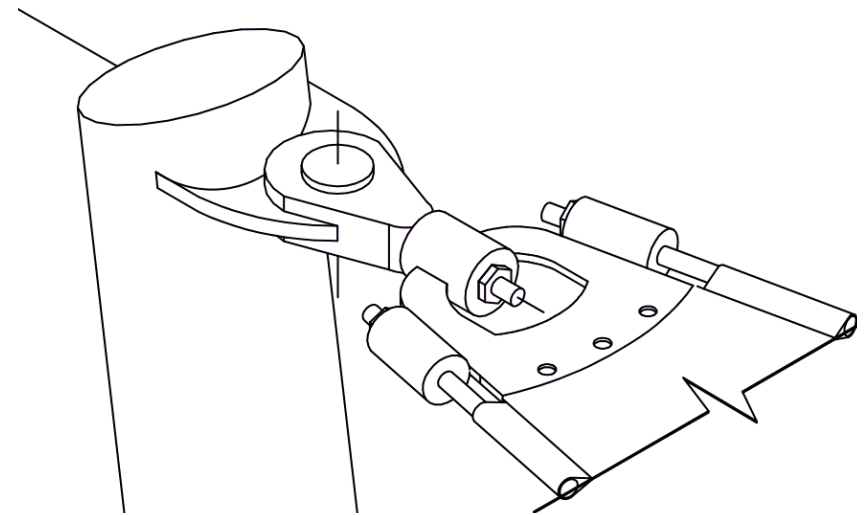
- 1. PVC COATED POLYESTER TENSILE FABRIC ROOF
- 2. PREFABRICATED STEEL HAND RAILING
- 3. 2000MMx250MMx50MM TIMBER FLOOR FINISH
- 4. 200MM DIA. STEEL COLUMN

- 5. 2000MMx250MMx50MM TIMBER STAIR THREAD
- 6. CAST IN PLACE CONCRETE
- 7. 2000MMx250MMx59MM TIMBER FLOOR FINISH
- 8. 200MM DIA. STEEL DECK PILE

DETAIL AXONOMETRIC DRAWING



HAND RAILING CONNECTION



TENSILE FABRIC CONNCTION

LUMINARIA CROSSING PARK

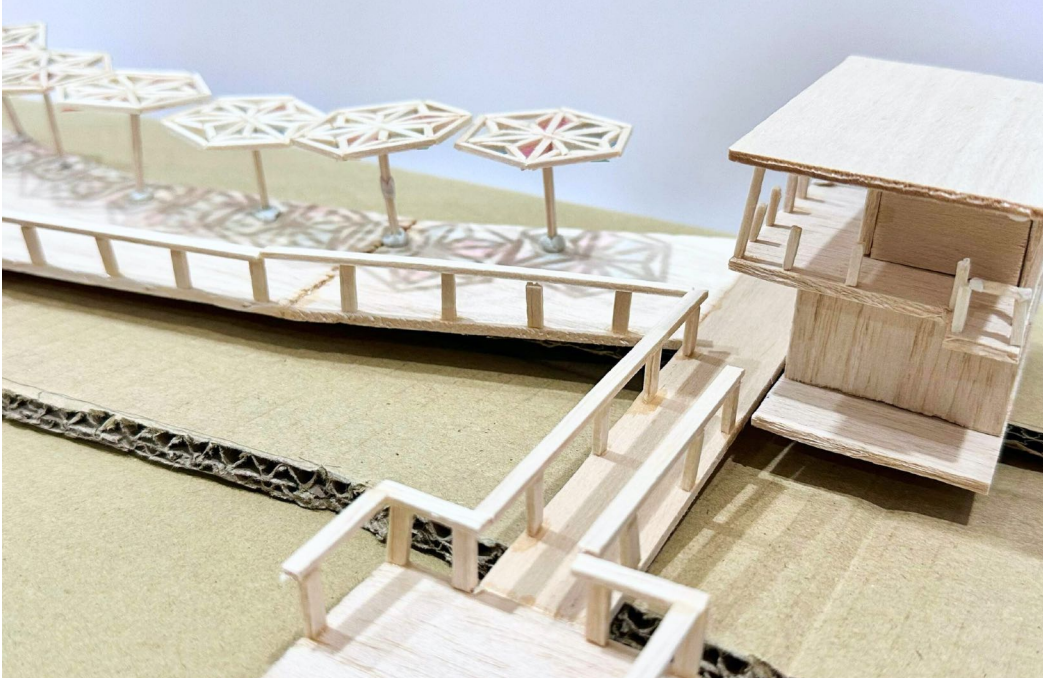
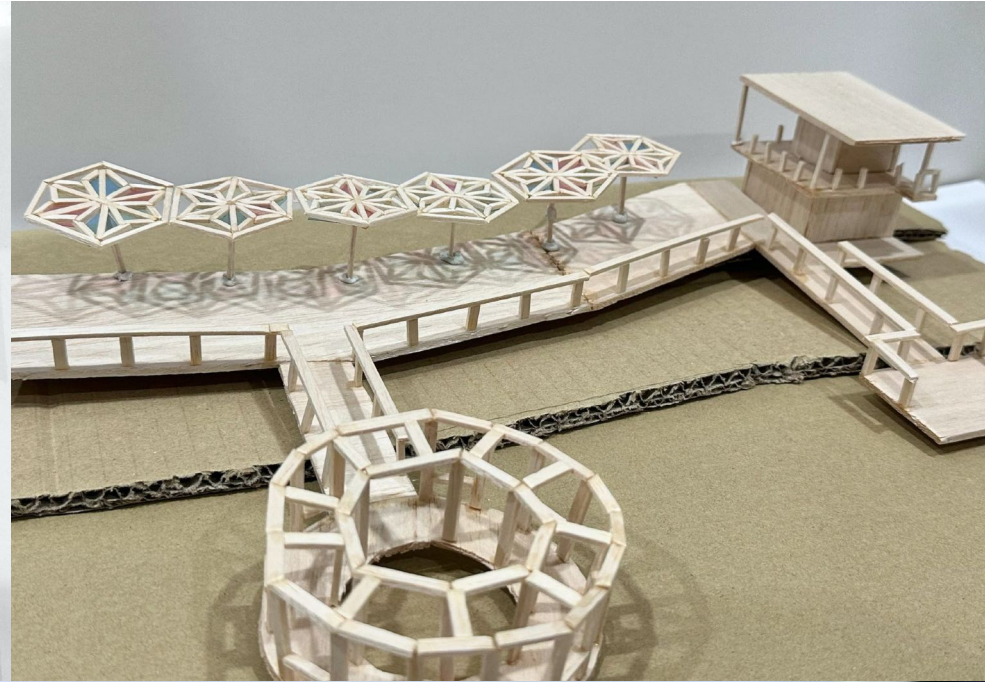
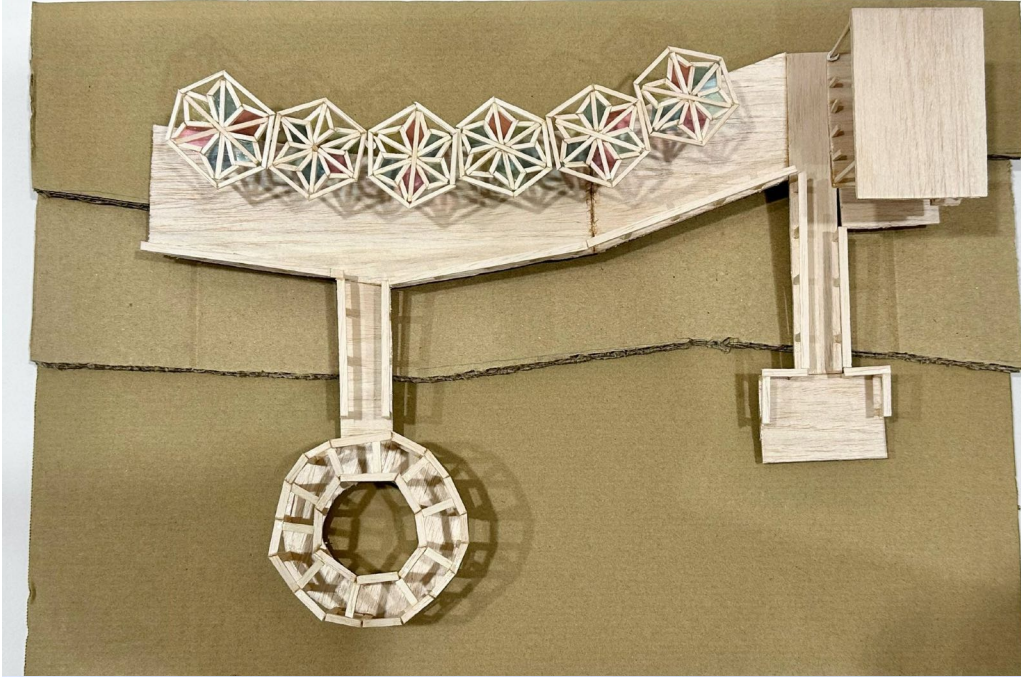
Leong Wan Jee
1002266721

As we journey to Teluk Intan, where the art of lantern-making persists, a craft mainly supported by old craftsmen, serving as a poignant reminder of heritage and a cultural legacy embraced by a decreasing number of successors. The purpose of the project is to preserve traditional lanterns. It aims to encourage more people to cherish this traditional craft.

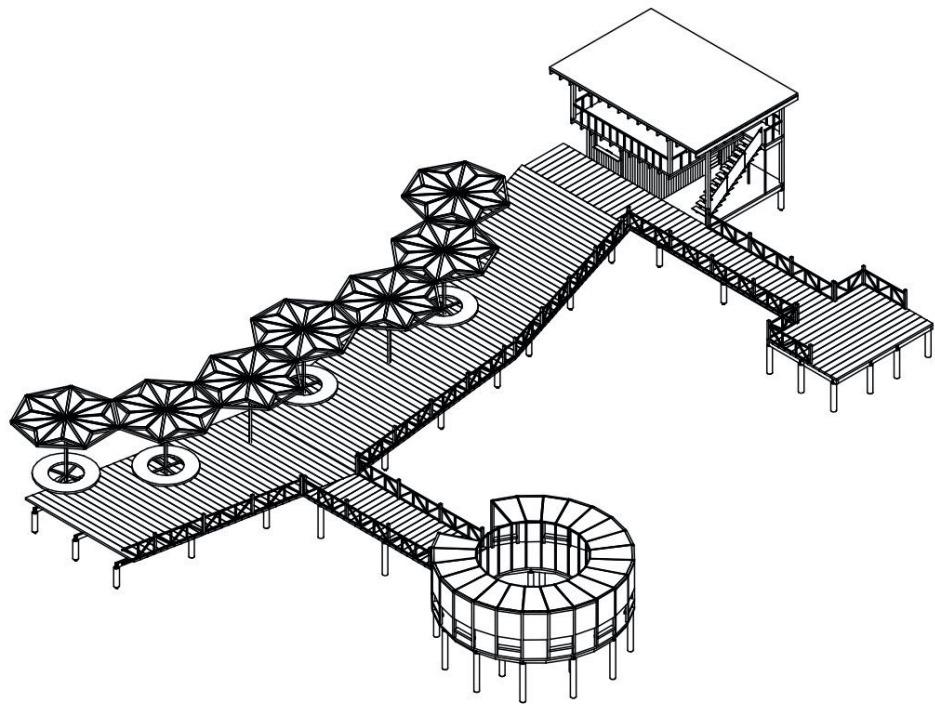
Luminaria Crossing Park with a bridge walkway along a riverbank designed to provide a pleasant environment for people to stroll and enjoy activities. The open and well-ventilated space lends itself to organising lantern-themed events and mini-markets selling handcrafted goods and foods. The River Cruise office and storage are also renewed in this project.

By incorporating local materials into the bridge's design, such as colourful glass paper and semi-translucent paper for the shelter, the bridge takes on a unique aesthetic that aligns with the local architectural style and draws inspiration from the lanterns, further enhancing the cultural significance of the project.

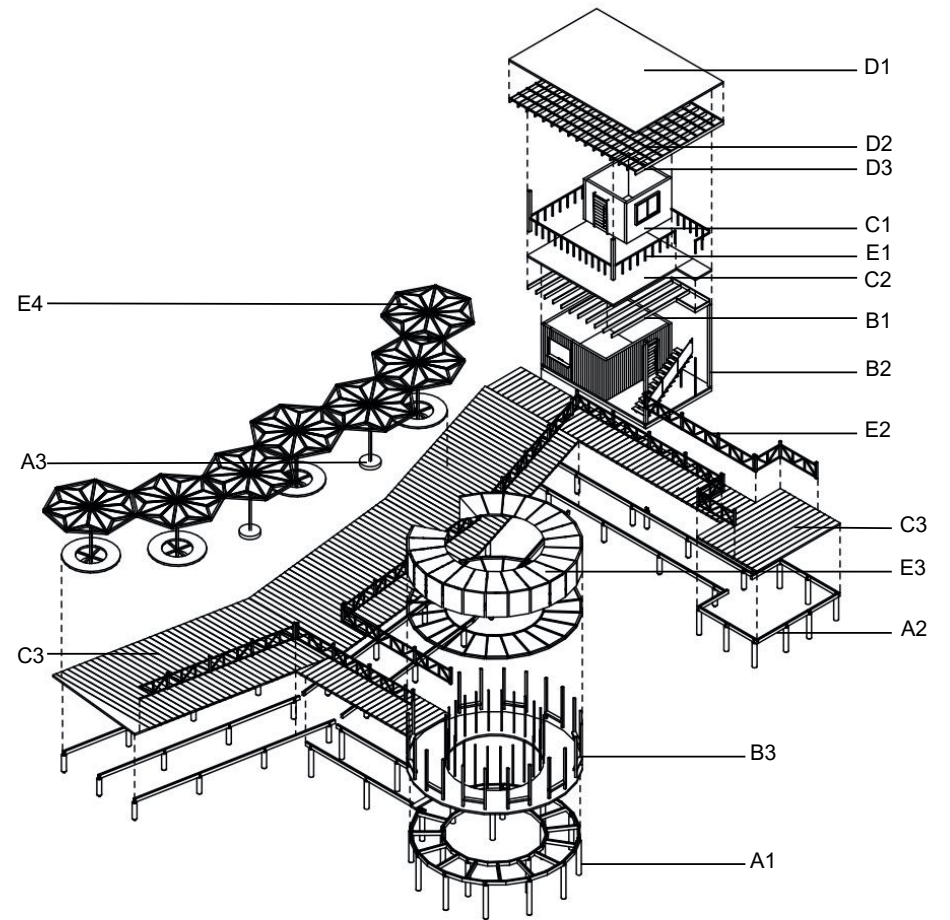
MODEL PHOTOGRAPHY



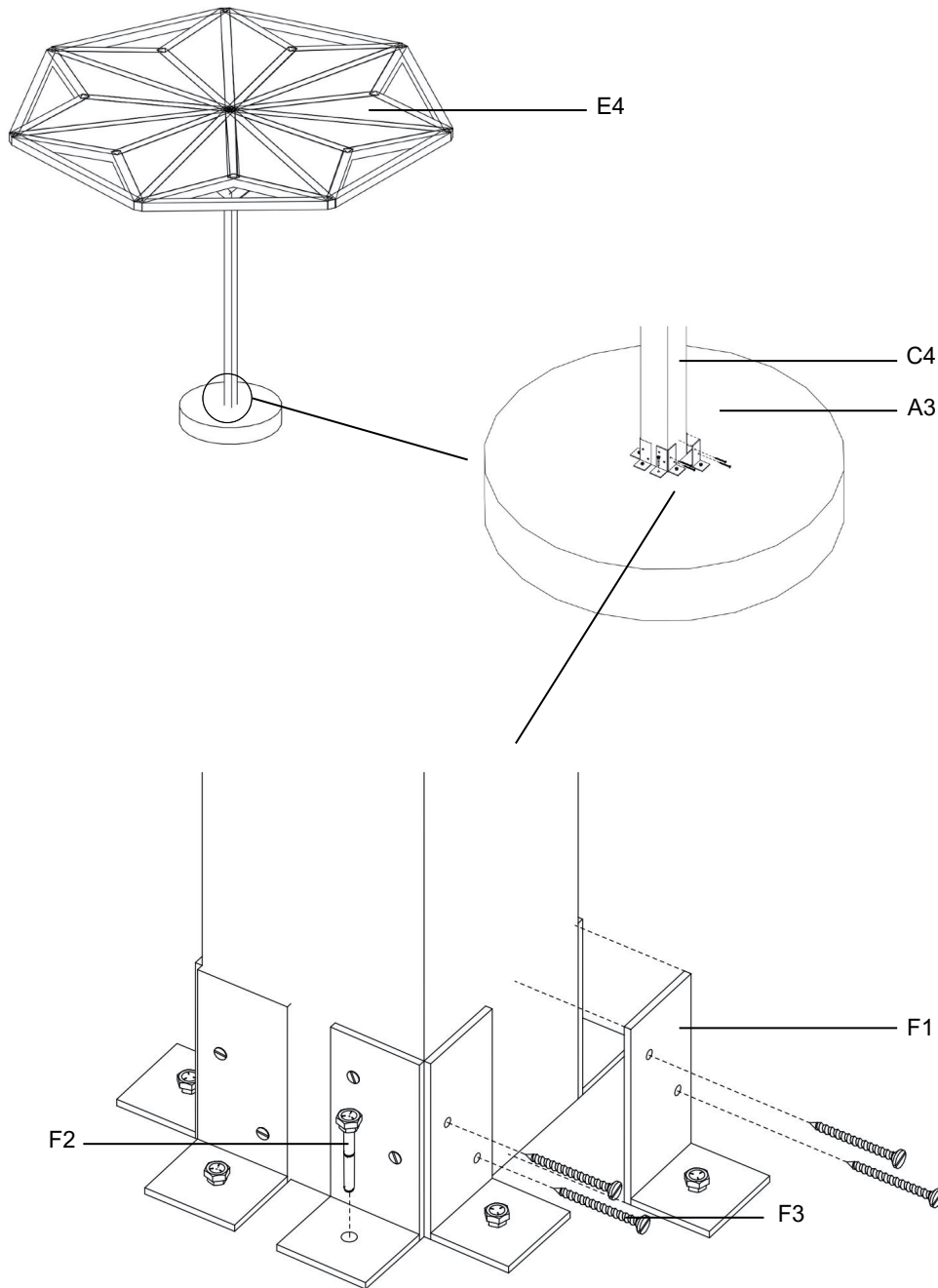
AXONOMETRIC DRAWING



EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING



A. SUPERSTRUCTURE

- A1. 250MM DIAMETER REINFORCE CONCRETE FOUNDATION WITH POST BASE
- A2. 120X200MM HARDWOOD GROUND BEAM
- A3. 1100MM DIAMETER REINFORCE CONCRETE FOUNDATION

B. PRIMARY STRUCTURE

- B1. 50X200MM HARDWOOD TIMBER BEAM
- B2. 150X150MM HARDWOOD TIMBER COLUMN
- B3. 100X100MM HARDWOOD TIMBER FRAMING

C. SECONDARY STRUCTURE

- C1. TIMBER WALL
- C2. 100MM THICK TIMBER FLOOR PLANKS
- C3. 100X350MM TIMBER WOODEN PLANKS
- C4. 100X100MM WOODEN POST

D. ROOF STRUCTURE

- D1. CLAY ROOF TILES WITH 5MM THICK PVC WATERPROOFING MEMBRANE
- D2. 25X50MM HARDWOOD TIMBER ROOF BATTEN
- D3. 50X200MM HARDWOOD TIMBER ROOF JOIST/ CEILING BEAM

E. FINISHING

- E1. 800MM HEIGHT STAINLESS STEEL RAILING WITH BLACK PAINT FINISH
- E2. 1000MM HEIGHT STAINLESS STEEL RAILING WITH BLACK PAINT FINISH
- E3. LANTERN SCREEN PAPER
- E4. 25MM THICK COLOURED STAINED GLASS

F. DETAIL JOINERIES

- F1. 40X80MM STAINLESS STEEL L-BRACKET
- F2. 35MM BOLT AND NUT
- F3. 35MM SCREW

MIX CASUAL JETTY

WANG YU LIU
1002268585

The project aims to redevelop the current pier into a visually striking and functional 'jetty' that serves as the aquatic gateway to the P3 project area. This revamped 'jetty' combines modern architecture with natural elements, offering a space that blends recreation, entertainment, and nature experiences. By creating an attractive destination, the 'jetty' aims to draw locals and visitors, providing a unique entrance to the water within the P3 project.

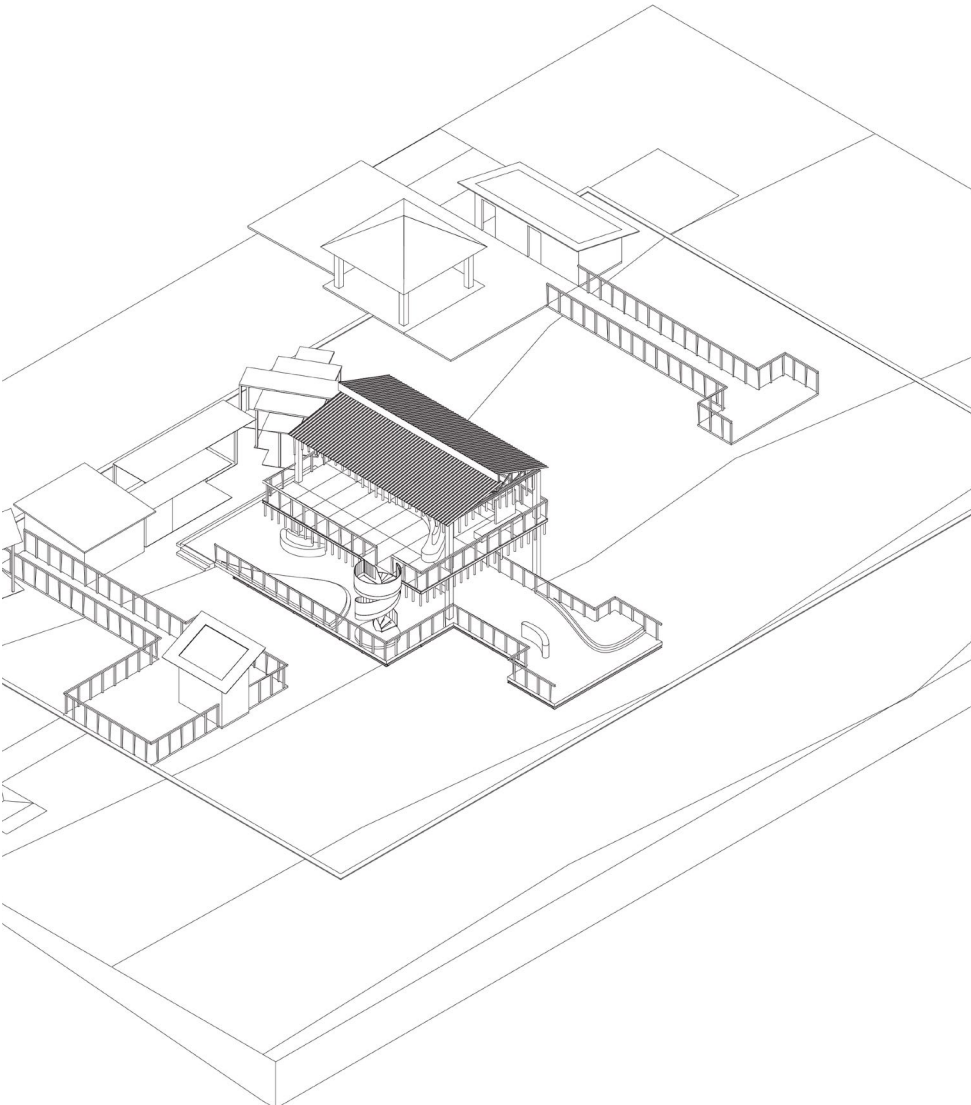
Observing the site's needs, the concept includes a communication space for older people and areas for small-scale exhibitions and boat docking. Bamboo, a local and sustainable material, is proposed for the facade, designed to mimic the water waves, integrating the 'jetty' with its coastal environment. This design approach aims to create a versatile 'jetty' that caters to various activities while maintaining harmony with the natural landscape.

The project revitalises the pier and introduces new elements to enhance the visitor experience. The 'jetty' seeks to become a vibrant hub within the P3 project area with spaces for social interaction, cultural exchange, and leisure activities. Using bamboo for the facade also promotes sustainability and adds a distinctive aesthetic appeal, further integrating the 'jetty' with its coastal surroundings.

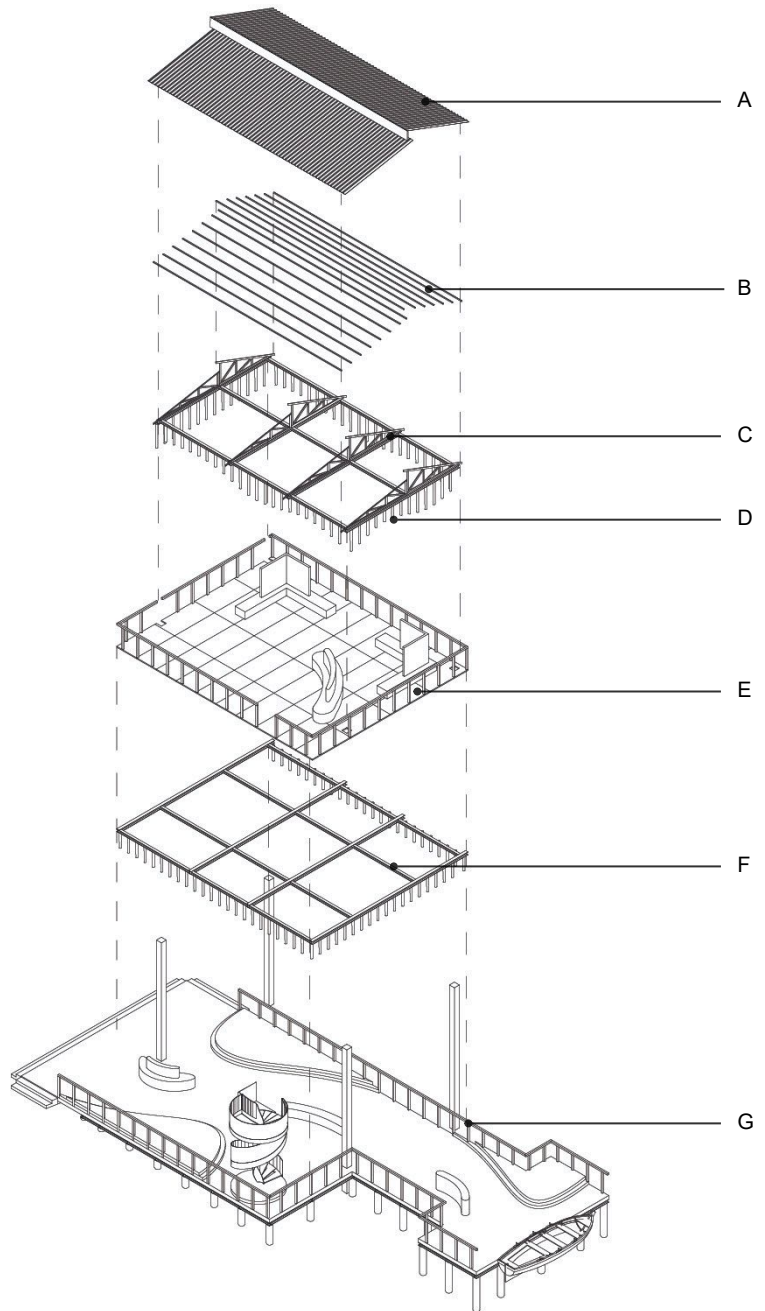
MODEL PHOTOGRAPHY



AXONOMETRIC DRAWING

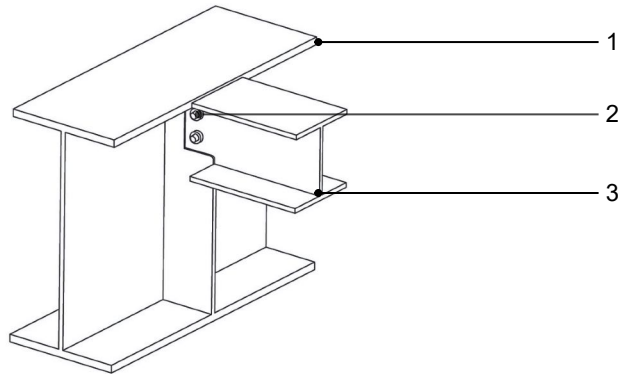


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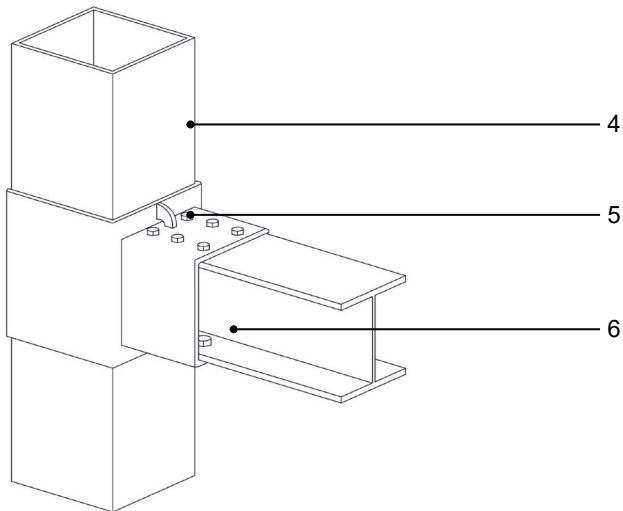
DETAIL DRAWING

CONNECTION OF THE MAIN BEAM
AND THE SECONDARY BEAM



1. 9400X125 X 175 MM MAIN H-SHAPED STEEL BEAM
2. BOLT AND NUTS
3. 3745X100 X 100 MM SECONDARY H-SHAPED STEEL BEAM
4. 6500 X 800 X 800MM STEEL COLUMN
5. STEEL MEMBERS AND HIGH-STRENGTH BOLTS ARE USED TO CONNECT LOAD-BEARING COLUMNS AND BEAMS
6. HIGH-STRENGTH BOLTS ARE USED TO CONNECT THE MAIN BEAM TO THE MEMBERS OF THE LOAD-BEARING COLUMN

THE CONNECTION OF THE STEEL LOAD-BEARING COLUMN AND THE H-SHAPED STEEL BEAM



- A. 4000X11900MM T=0.4MM METAL CORRUGATED ROOFING SHEET
- B. 40X40MM MANGROVE H.W. TIMBER ROOF RAFTER@ C.C 600MM
- C. ROOF TRUSS
- D. R=100MM BANBOO FACADE @ C.C 500MM
- E. REINFORCED CONCRETE SLABS WITH WOOD GRAIN TRIM AS FLOOR FINISHES
- F. 1175X125X125MM SECONDARY STEEL I BEAM@ C.C 2700MM
- G. 1100X80X80MM TIMBER RAILING@ C.C 900MM

AVIAN PAVILLION

Wong Li Yang
1002266867

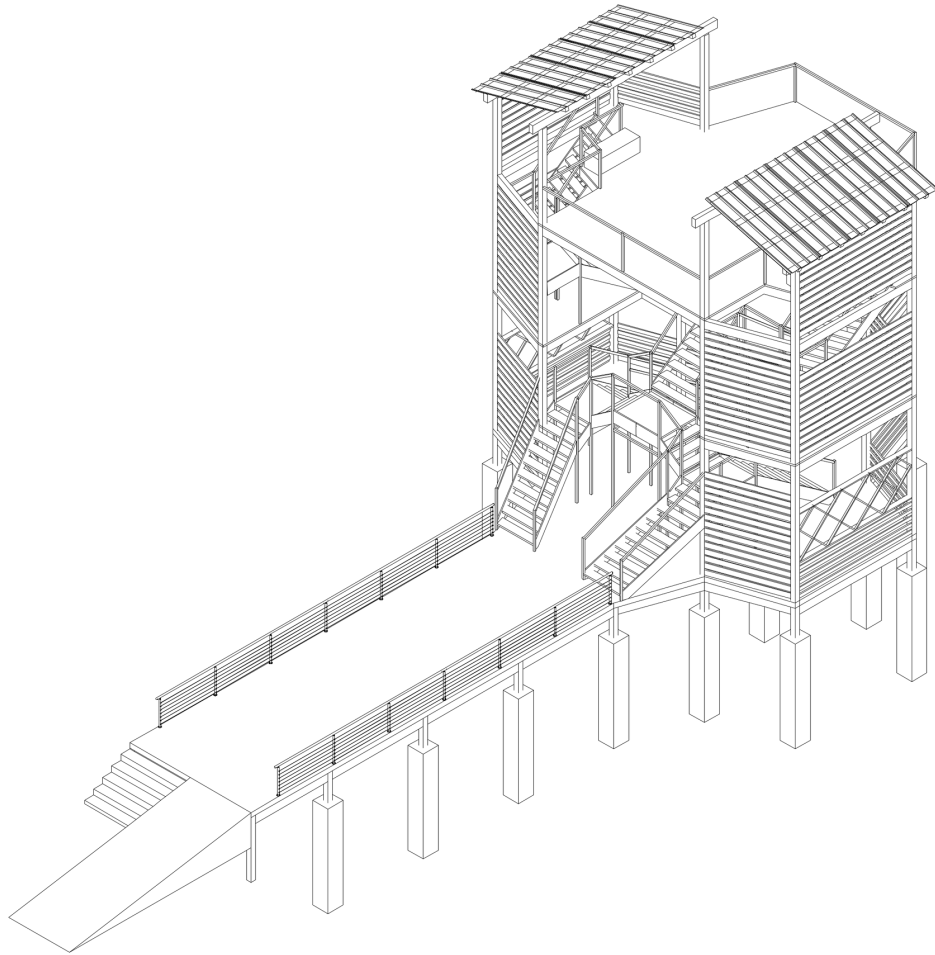
"Avian Pavilion" is a visionary project that blends the practicality of a bird observatory tower with the accessibility of a jetty. It forms a vibrant hub where birdwatchers and nature enthusiasts can converge, observe, and engage with Teluk Intan's diverse bird species. Positioned at the confluence of land and water, this innovative structure acts as a portal to the area's rich avian biodiversity, providing immersive encounters that highlight the marvels of bird migration and environmental preservation.

This project aims to create an iconic landmark that serves as a birdwatching facility and an educational and recreational space for visitors of all ages. The design incorporates elements that encourage sustainable practices and harmonious coexistence with nature. Through its unique design and strategic location, the Avian Pavilion seeks to raise awareness about avian conservation and inspire a deeper appreciation for the natural world among visitors.

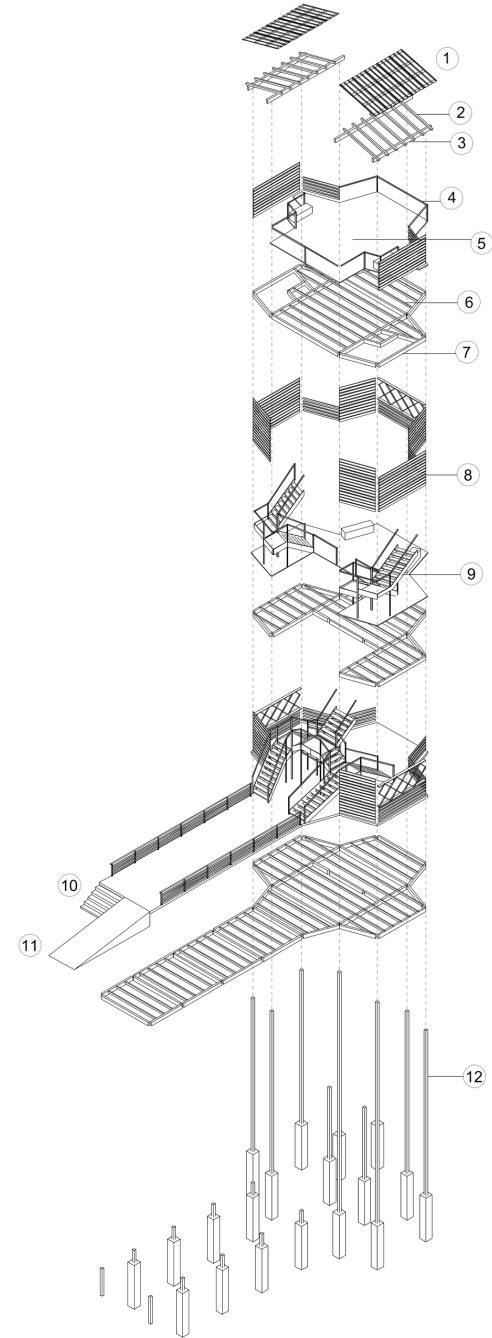
With its strategic positioning and thoughtful design, the Avian Pavilion offers visitors a unique vantage point to appreciate the beauty and diversity of Teluk Intan's birdlife. By providing a platform for education, observation, and interaction, this project aspires to become a focal point for ecotourism, promoting environmental stewardship and enhancing the overall visitor experience in the region.



AXONOMETRIC DRAWING

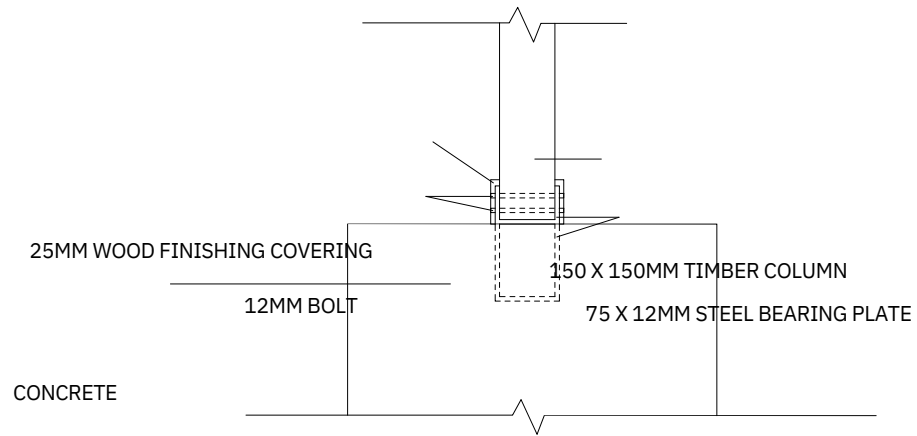


EXPLODED AXONOMETRIC DRAWING



DETAIL DRAWING

CONNECTION OF TIMBER COLUMN AND CONCRETE FOUNDATION



1. CORRUGATED METAL ROOF FINISH
2. 100 X 100MM TIMBER RAFTER
3. 240 X 120MM TIMBER ROOF BEAM
4. TIMBER RAILING
5. 135 X 1000 X 50MM TIMBER FLOOR PLANKS
6. 120 X 60MM TIMBER FLOOR JOIST
7. 240 X 120MM TIMBER FLOOR BEAM
8. 30MM THICK TIMBER LOUVERS
9. TIMBER STAIRCASE
10. CONCRETE STAIRCASE
11. CONCRETE RAMP
12. 150 X 150MM HARDWOOD TIMBER COLUMN WITH PILE FOUNDATION

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