

CHRIS LOH





PERKINS&WILL | PRINCETON MUNICIPAL CENTER

PRINCETON MUNICIPAL CENTER

BRIEF | To design a new municipal center for the City of Princeton, Texas.

DESIGN TEAM | Chris Loh, Robert Ting, Kevin Mereness, Kevin Plath, Meredith Hunt, et al.

LOCATION | Princeton, Texas, USA

PROJECT TYPE | Civic

CONSTRUCTION COST | US \$20,000,000

GFA | 45,000 SqFt

STATUS | Completed 04.2022

AWARDS |

Texas Society of Architects' 2023 Design Award
Architect's Newspaper 2023 Best of Design Award

To better serve its rapidly growing population, the City of Princeton set out to build a new town hall. It would bring together their Police Department, Fire Department Administration team, and all city government offices while being a place for the community — with a multipurpose Council Chamber for public meetings and an outdoor courtyard that connects to the new adjacent park.

By creating an atmosphere which emphasizes a correlation between its staff, citizens, and the environment, the Princeton Municipal Center is a facility that reflects the integrity of Princeton's unique character and inherent values, while leading the city on its path to progress.

Recognized for its integration with the surrounding community and context, and for its contemporary placemaking approach to local government building design, the Princeton Municipal Center is the recipient of multiple awards including the Texas Society of Architects' 2023 Design Award and the Architect's Newspaper 2023 Best of Design Award.



PHASES INVOLVED |

Concept Design
Schematic Design
Design Development
Construction Drawings
Contract Administration

Engaging the client early in the process, the Perkins&Will team was able to help the City of Princeton cast a vision for both its city and its city hall. We facilitated the initial project public forums and helped to develop the building's program.

Working closely with the senior designer, I was the point person from the Design Studio on the project team. We conducted the initial research to understand the history, culture and values of Princeton, Texas, and facilitated design charrettes with other team members. I synthesized the key ideas into core concepts and developed the design narrative and diagrams. We then worked together to translate the concept into architectural spaces and expressions.

I built digital design models and managed the production of architectural drawings, renderings, and physical models. I composed all design presentations and, with the senior designer, delivered them at client meetings.

In collaboration with the project architect, I also built much of the Revit documentation model, refined construction details, coordinated with consultants, and resolved on-site challenges ensuring the design narrative held true throughout the construction process. I also worked with the interior design team to create a holistic experience.

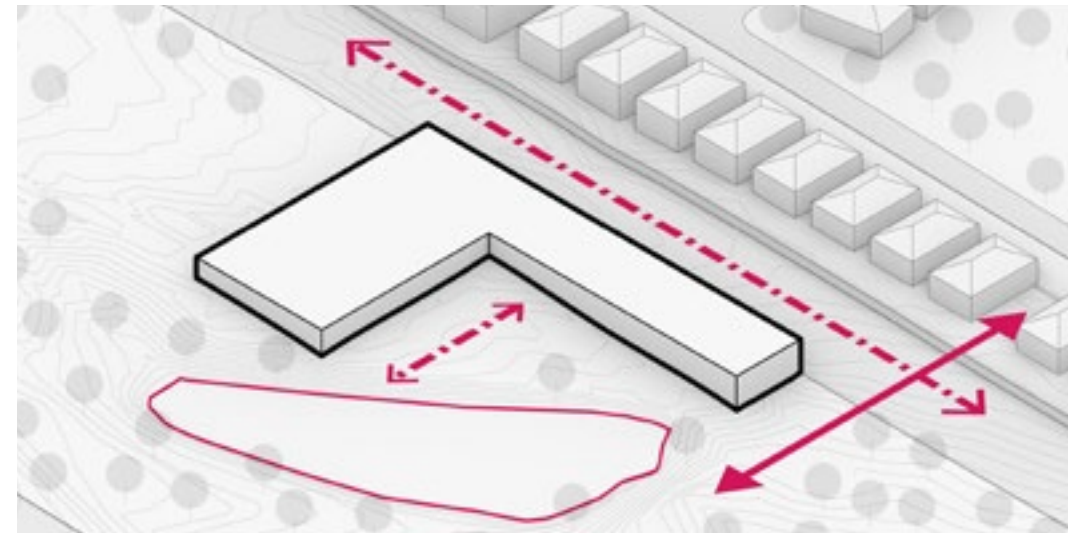
LAND

PEOPLE

SKY

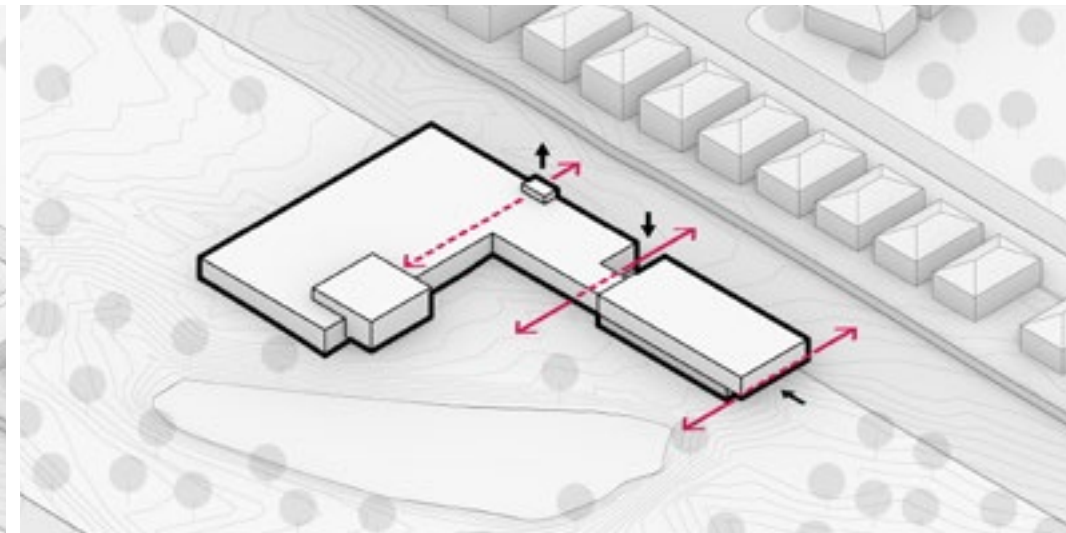
1. MASSING

The building mass spans across the site interacting with the lake, the street, and the neighborhood.



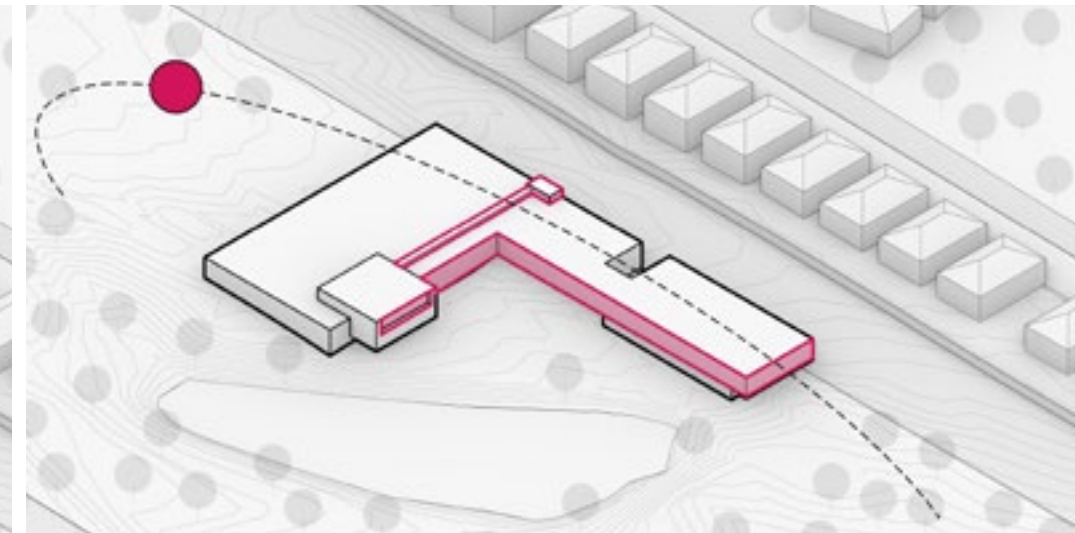
3. CONNECTIONS

Entry points both into the building and into the landscape are highlighted by shifts in the massing.



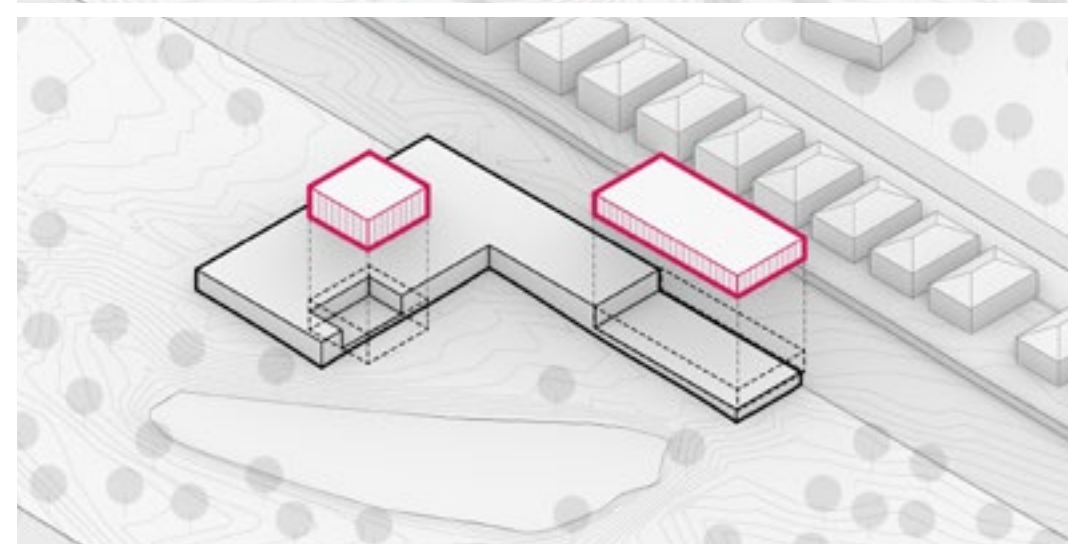
5. SOLAR ORIENTATION

Natural light is invited into the building through a rhythm of punched windows, clerestory windows, and a shaded curtain wall at Main Street.



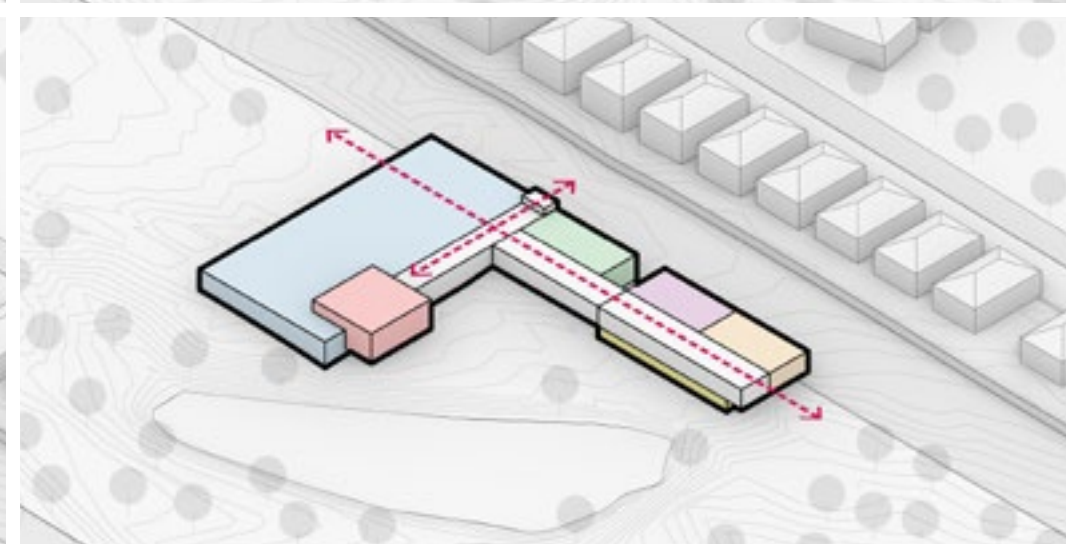
2. MATERIALS

The dark brick base references the Blackland soil of the ground, while the metal boxes work as beacons that conceptually guide towards progress.



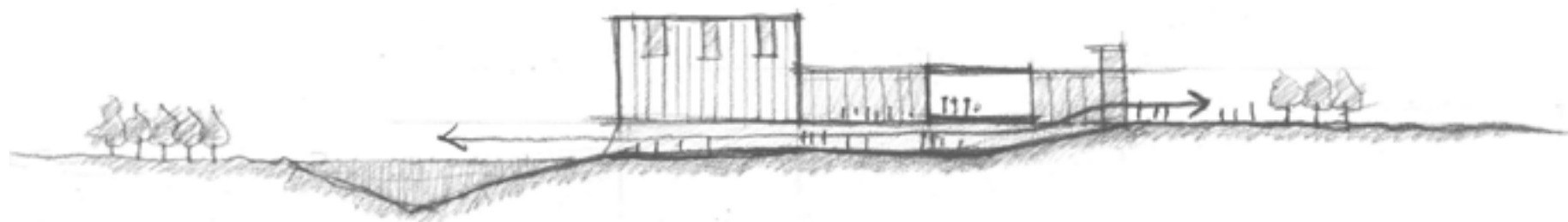
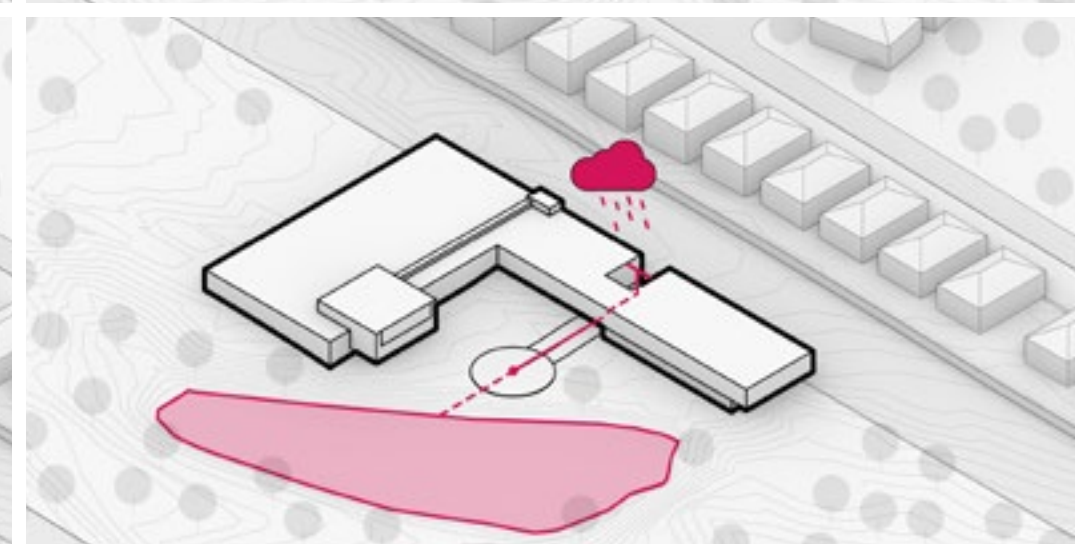
4. PROGRAM

The complex public and private functions of the building are tied together along two simple and clear axes, including a central path referred to as Main Street.

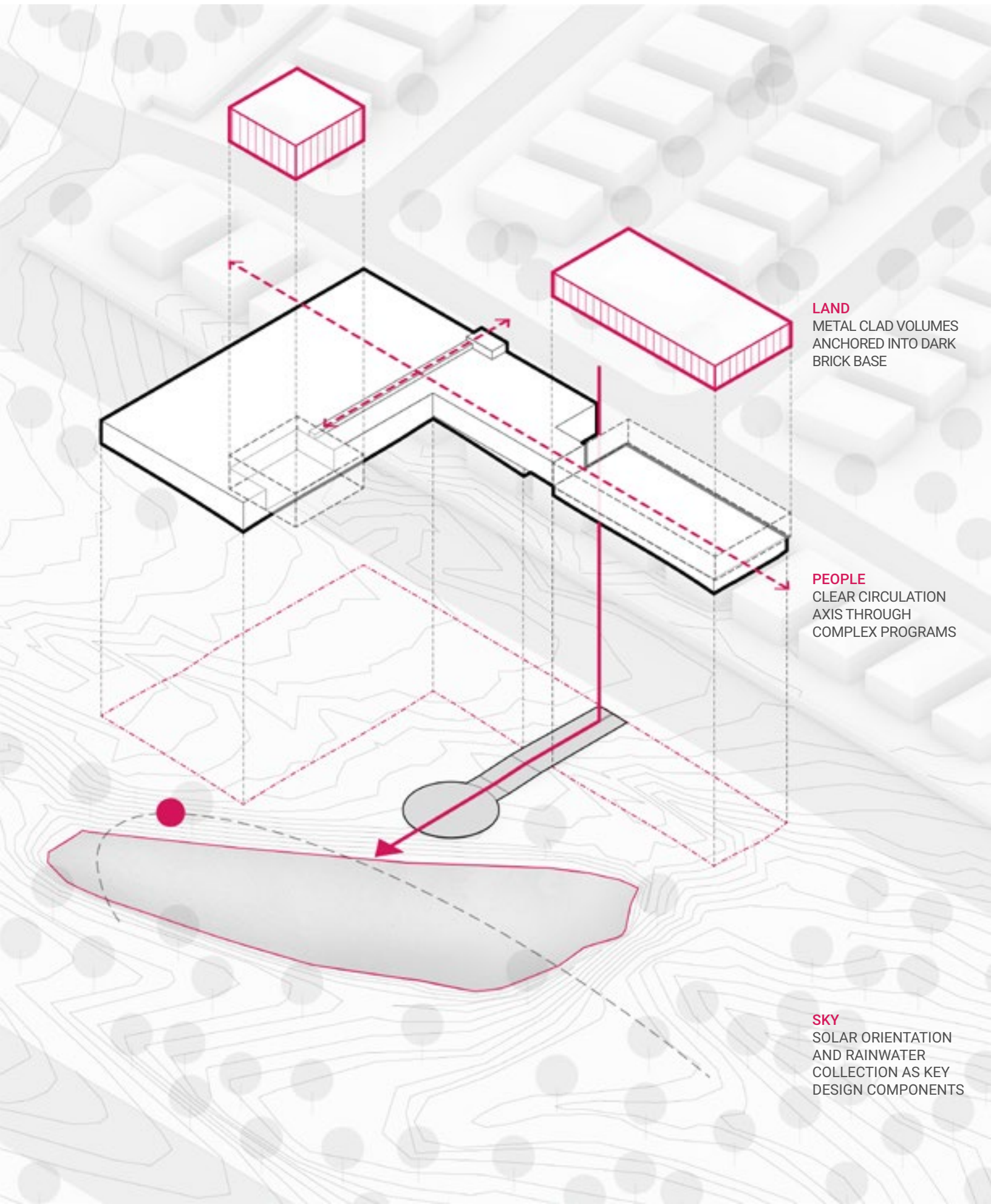


6. RAIN

The collection of rainwater is celebrated and fed to the on-site natural pond with a water feature that bisects the pass-through and lower civic plaza.



People, Land, Sky | For generations, the people of Princeton, Texas, have worked the land which receives from the sky. This elemental relationship is celebrated first in materiality, with the dark velour brick referencing the Blackland soil of the ground. Regional building materials help enhance local economy while paying homage the local aesthetic.



LAND
METAL CLAD VOLUMES
ANCHORED INTO DARK
BRICK BASE

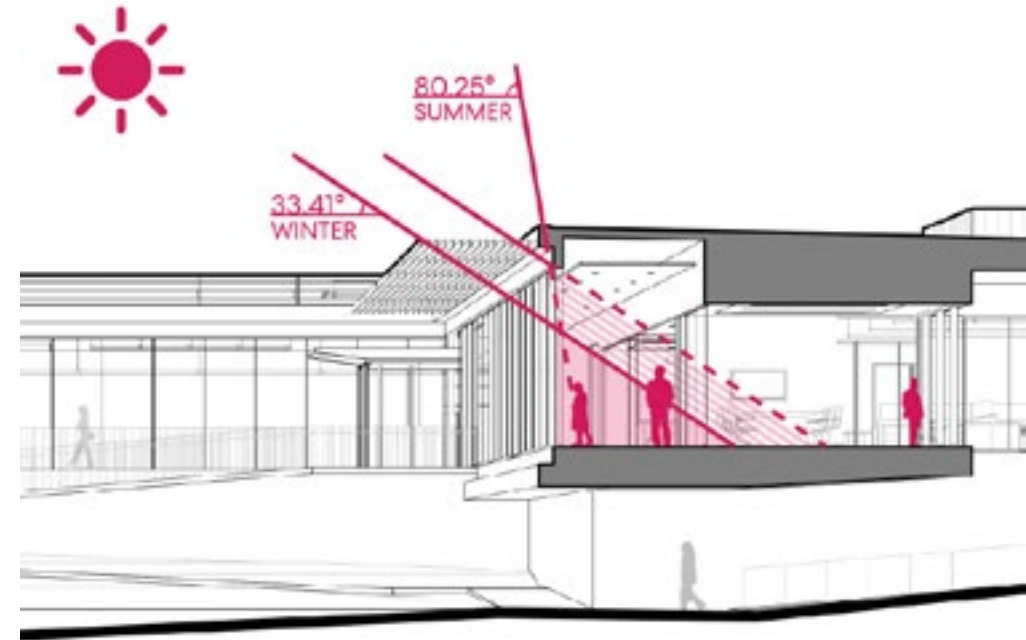
PEOPLE
CLEAR CIRCULATION
AXIS THROUGH
COMPLEX PROGRAMS

SKY
SOLAR ORIENTATION
AND RAINWATER
COLLECTION AS KEY
DESIGN COMPONENTS

CONNECTION
TO THE SKY IS
CELEBRATED
BY DRAWING
ATTENTION TO
THE COLLECTION
OF RAIN.



SUNSHADE
TRELLISES ARE
DESIGNED TO
BRING IN AN
ABUNDANCE OF
SUNLIGHT.



CLERESTORIES
AND GLAZING
OPEN TO
VIEWS OF SKY,
NATURE, AND
LANDSCAPE.

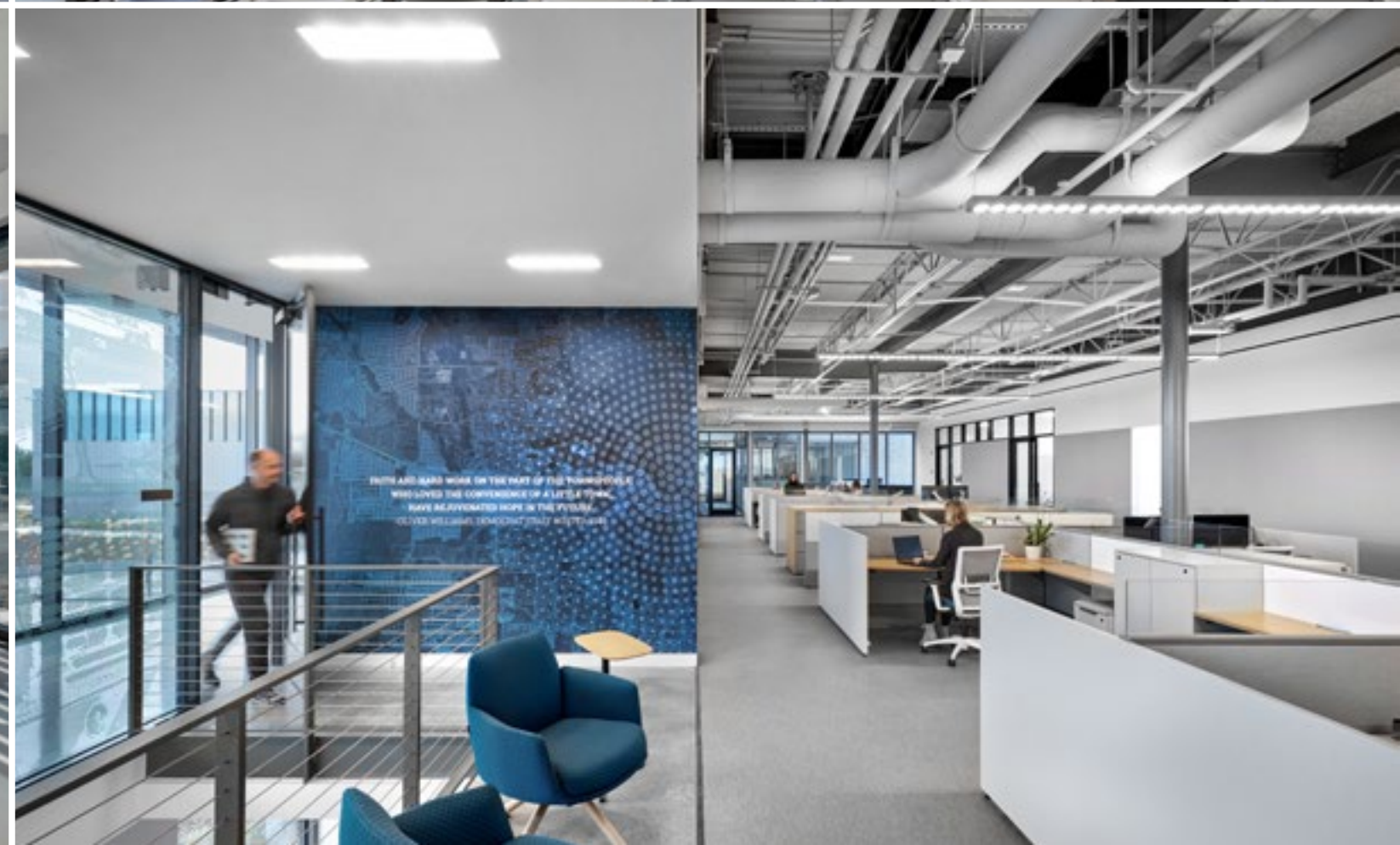












6 STAIR 2 / RAMP 3 SECTION
3 RAMP 2 SECTION
5 STAIR 2 / RAMP 3 ENLARGED PLAN
2 RAMP 2 ENLARGED PLAN
4 AXON - RAMP 3
1 AXON - RAMP 1

Perkins&Will
 PROJECT: PRINCETON MUNICIPAL CENTER
 CITY OF PRINCETON
 133 WEST PRINCETON BL, PRINCETON, NJ 08540
 ISSUE FOR CONSTRUCTION SEPTEMBER 4, 2020
 ENLARGED SITE PLACEMENTS AT PLAZA RAMP
 SHEET NUMBER: **A01-04**

1 MAIN LEVEL - OVERALL FLOOR PLAN

OVERALL FLOOR PLAN GENERAL NOTES
OVERALL FLOOR PLAN LEGEND

Perkins&Will
 PROJECT: PRINCETON MUNICIPAL CENTER
 CITY OF PRINCETON
 133 WEST PRINCETON BL, PRINCETON, NJ 08540
 ISSUE FOR CONSTRUCTION SEPTEMBER 4, 2020
 OVERALL FLOOR PLAN - MAIN LEVEL
 SHEET NUMBER: **A10-02**

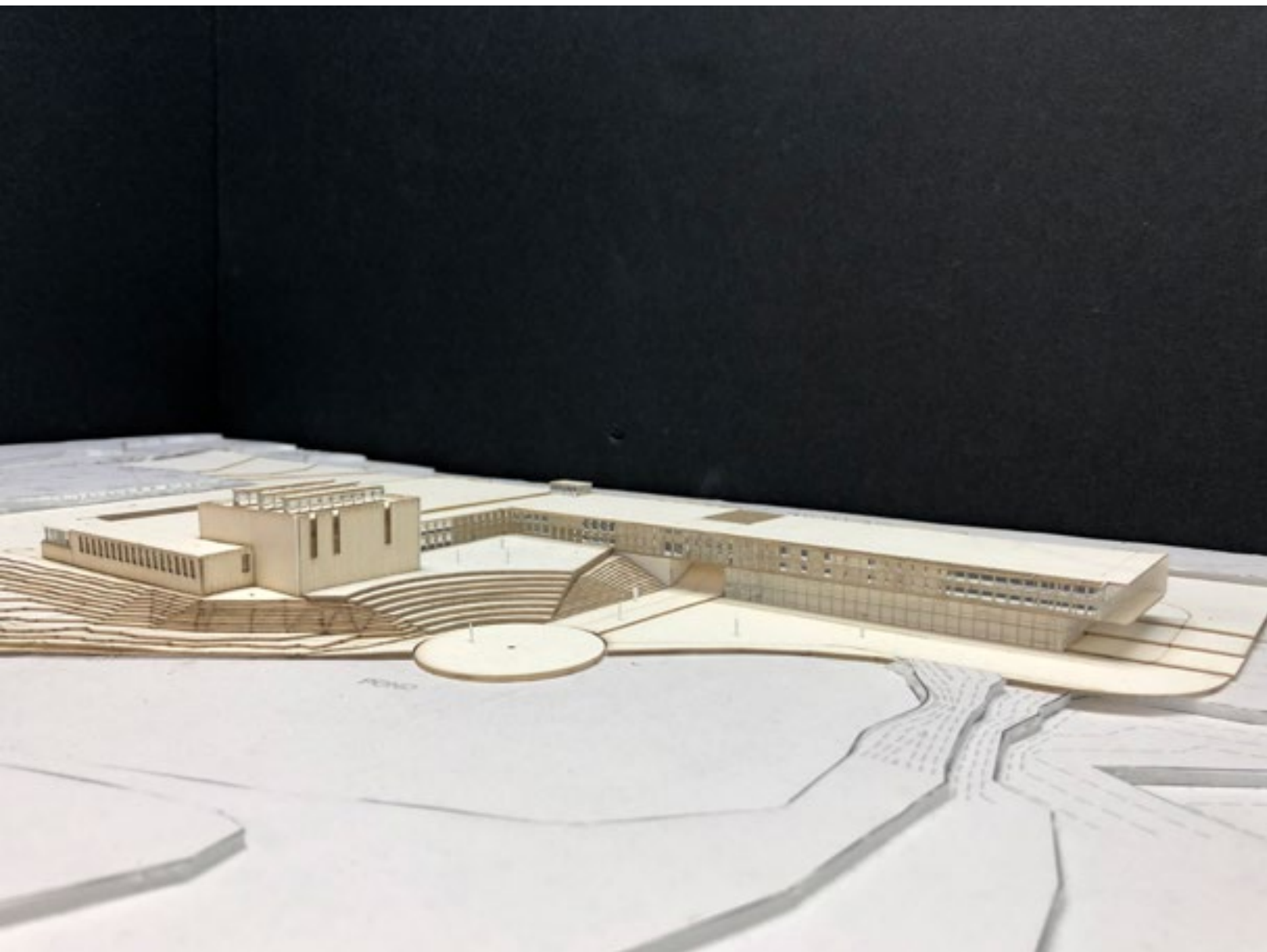
5 CURTAIN WALL HEAD / PARAPET DETAIL AT COUNCIL CHAMBER
3 MIT-1 PARAPET DETAIL AT COUNCIL CHAMBER
2 DETAIL AT MIT-1 TRANSITION TO MV-1
4 CURTAIN WALL SILL AT COUNCIL CHAMBER FURR-OUT
1 AXON - COUNCIL CHAMBER
6 HOLLOW METAL DOOR HEAD / MIT-1 AT COUNCIL CHAMBER

Perkins&Will
 PROJECT: PRINCETON MUNICIPAL CENTER
 CITY OF PRINCETON
 133 WEST PRINCETON BL, PRINCETON, NJ 08540
 ISSUE FOR CONSTRUCTION SEPTEMBER 4, 2020
 TYPICAL DETAILS AT COUNCIL CHAMBER
 SHEET NUMBER: **A32-22**

1 REFLECTED CEILING PLAN - MAIN LEVEL - AREA C

RCP GENERAL NOTES
RCP LEGEND
RCP NOTES BY NUMBER

Perkins&Will
 PROJECT: PRINCETON MUNICIPAL CENTER
 CITY OF PRINCETON
 133 WEST PRINCETON BL, PRINCETON, NJ 08540
 ISSUE FOR CONSTRUCTION SEPTEMBER 4, 2020
 REFLECTED CEILING PLAN - MAIN LEVEL - AREA C
 SHEET NUMBER: **A12-02C**





PERKINS&WILL | DISTRICT 121 OFFICE & GARAGE

DISTRICT 121 OFFICE & GARAGE

BRIEF | To design an office tower and garage at the new District 121 mixed-use development.

DESIGN TEAM | Chris Loh, Robert Ting, Gardner Vass, Kevin Plath, Matt Prigmore, et al.

LOCATION | McKinney, Texas, USA

PROJECT TYPE | Commercial

CONSTRUCTION COST | US \$20,000,000

GFA | 478,000 SqFt (Office 200,000 SqFt)

STATUS | Completed 06.2023

As the tallest building in McKinney, Texas, this 8-story office tower is the anchor of the new District 121 suburban development. Located along Hwy-121, it is also an important piece of the 121 Corridor Masterplan and the premier office location for local entrepreneurs. The adjacent 5-story precast concrete parking garage serves both the office building and retail stores that surround the central green across the street.

McKinney has quickly grown into a thriving modern city, while holding on to its traditional values centered on family, recreation, and a unique pioneering spirit. This heritage is celebrated in the brick skin of the building that peels away to reveal the contemporary metallic core housing forward-thinking communities.

With HWY 121 at the south and the public green to the north, this building has two front facades. Framed glazed “portals” are, therefore, proposed at these locations, cantilevering out towards both vehicular and pedestrian audiences. This places innovative people, cultures, and activities on display while serving as a beacon to the neighborhoods beyond.

The brick facades pay homage to two histories: it references the red-brick industrial buildings of the historic McKinney downtown while relating to the soil of the ubiquitous Blackland Prairie. Here, the two colors blend to form a dark-orange sheen, nodding towards cultural heritage while ushering-in further progress.



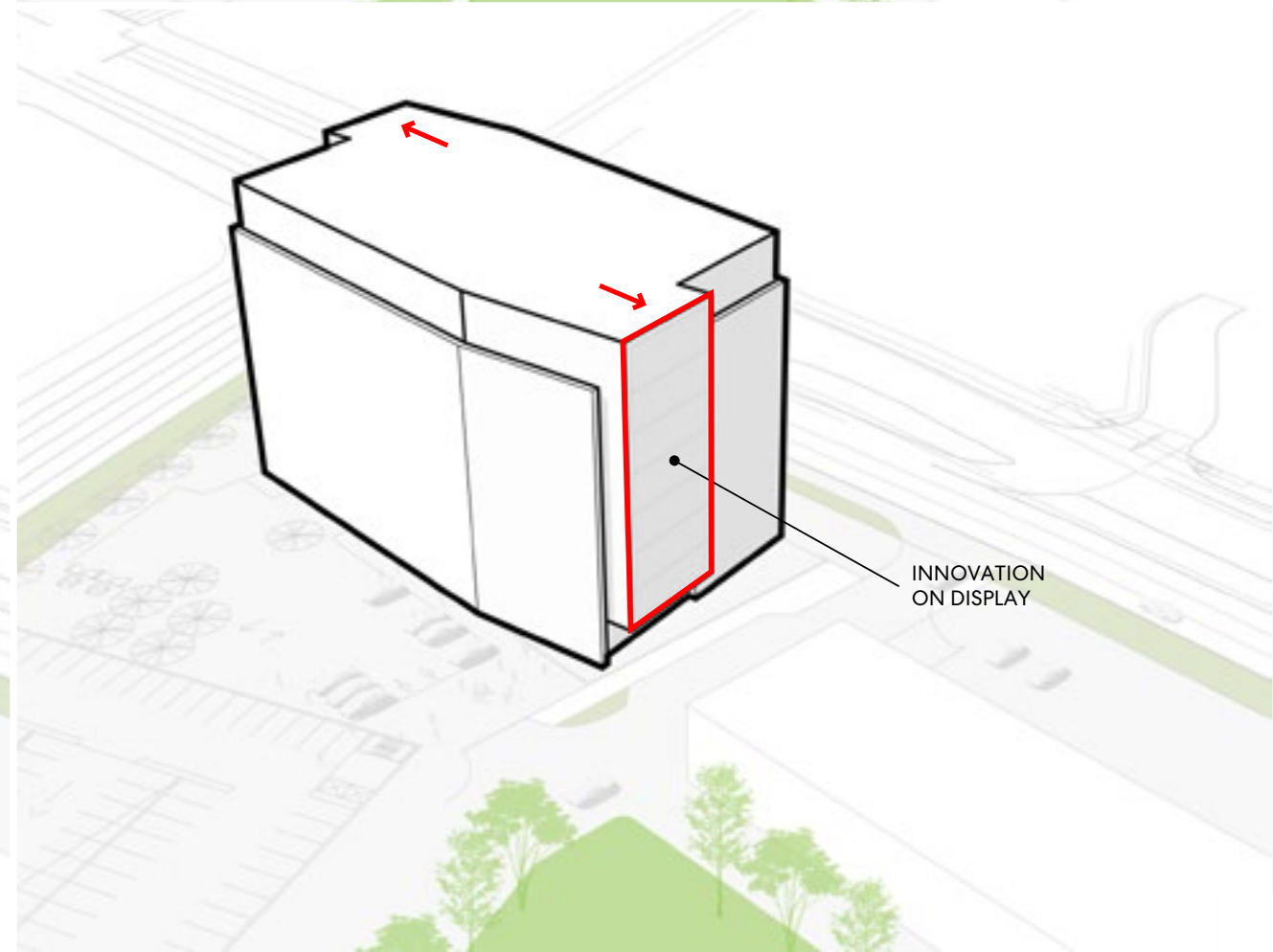
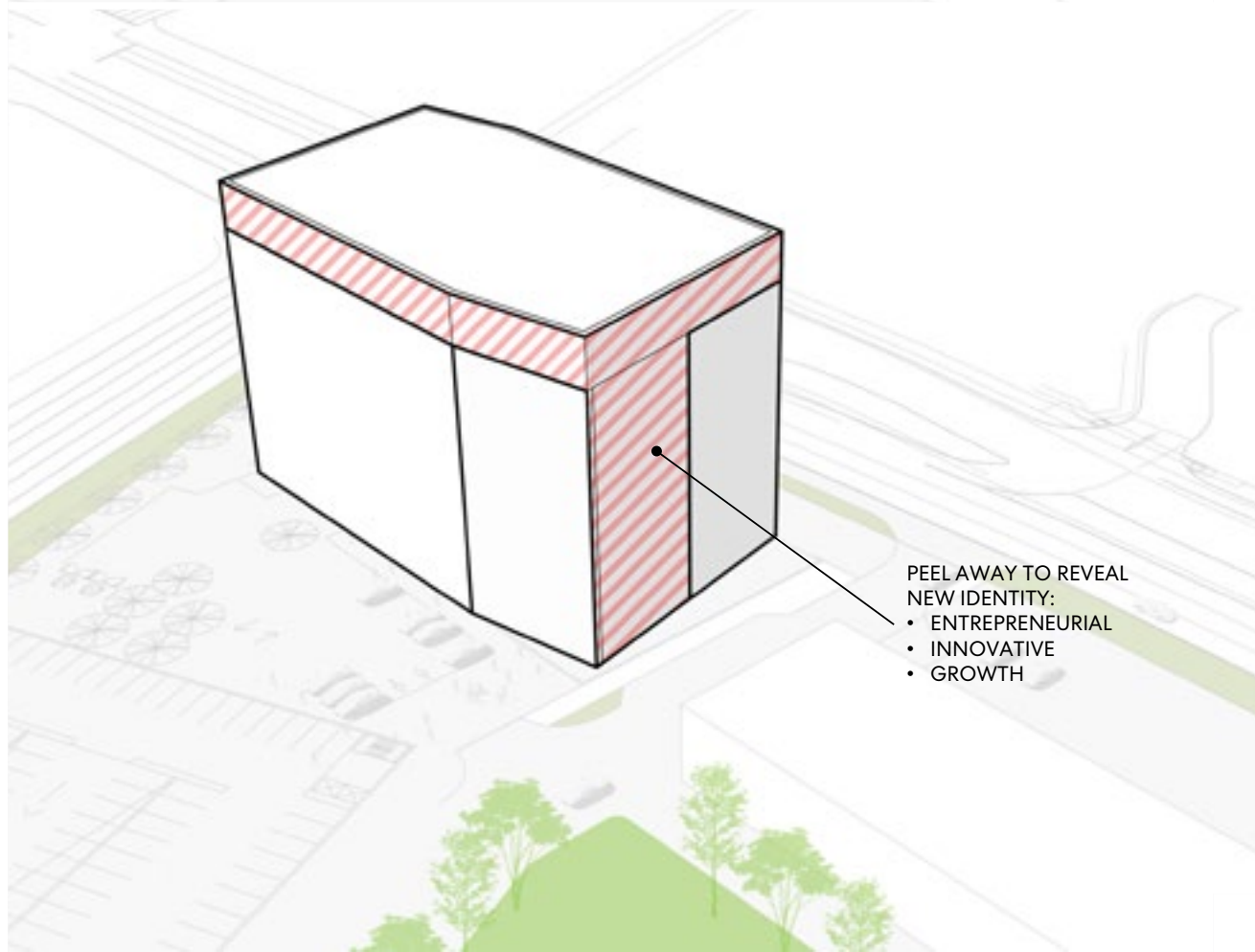
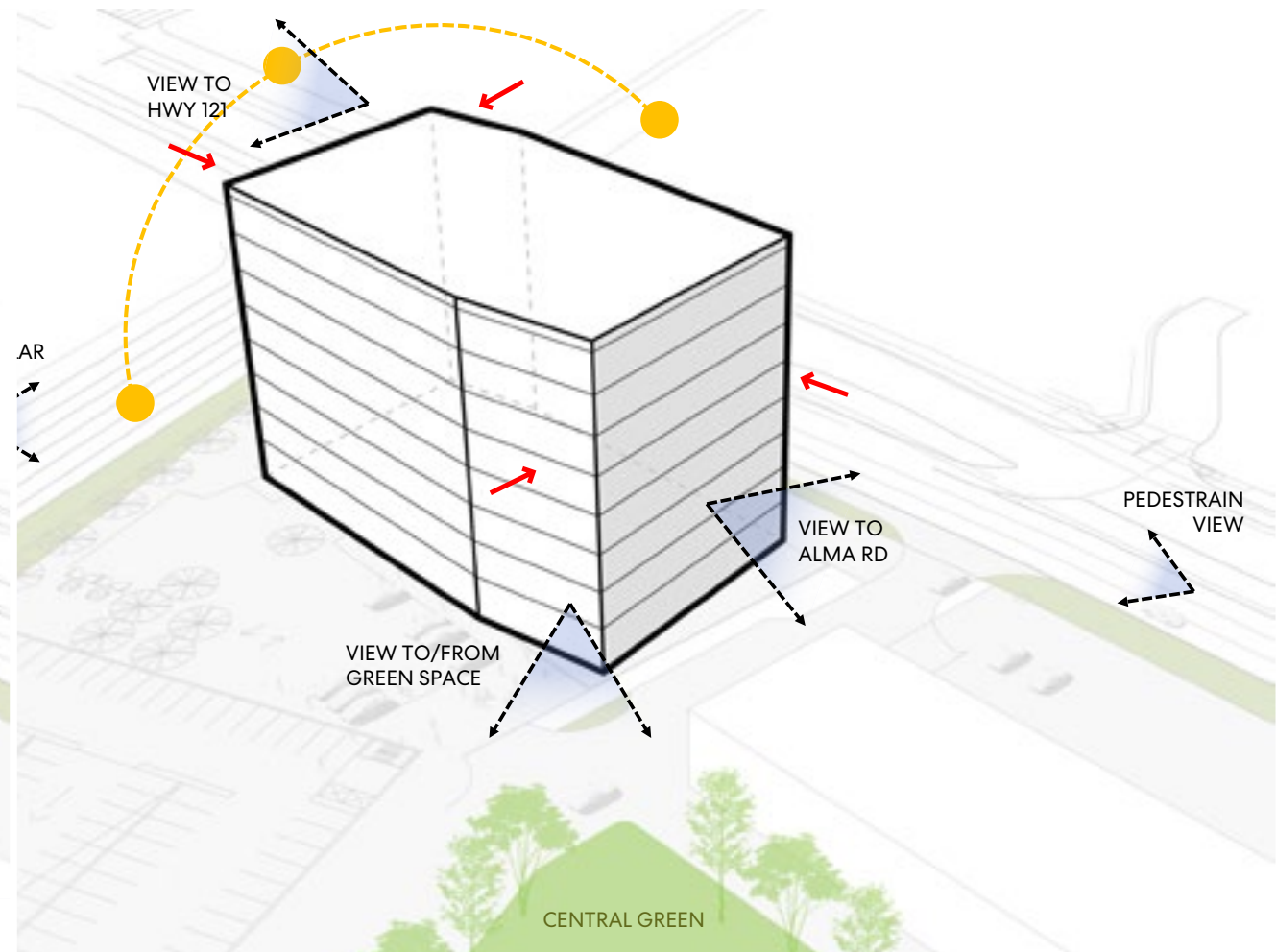
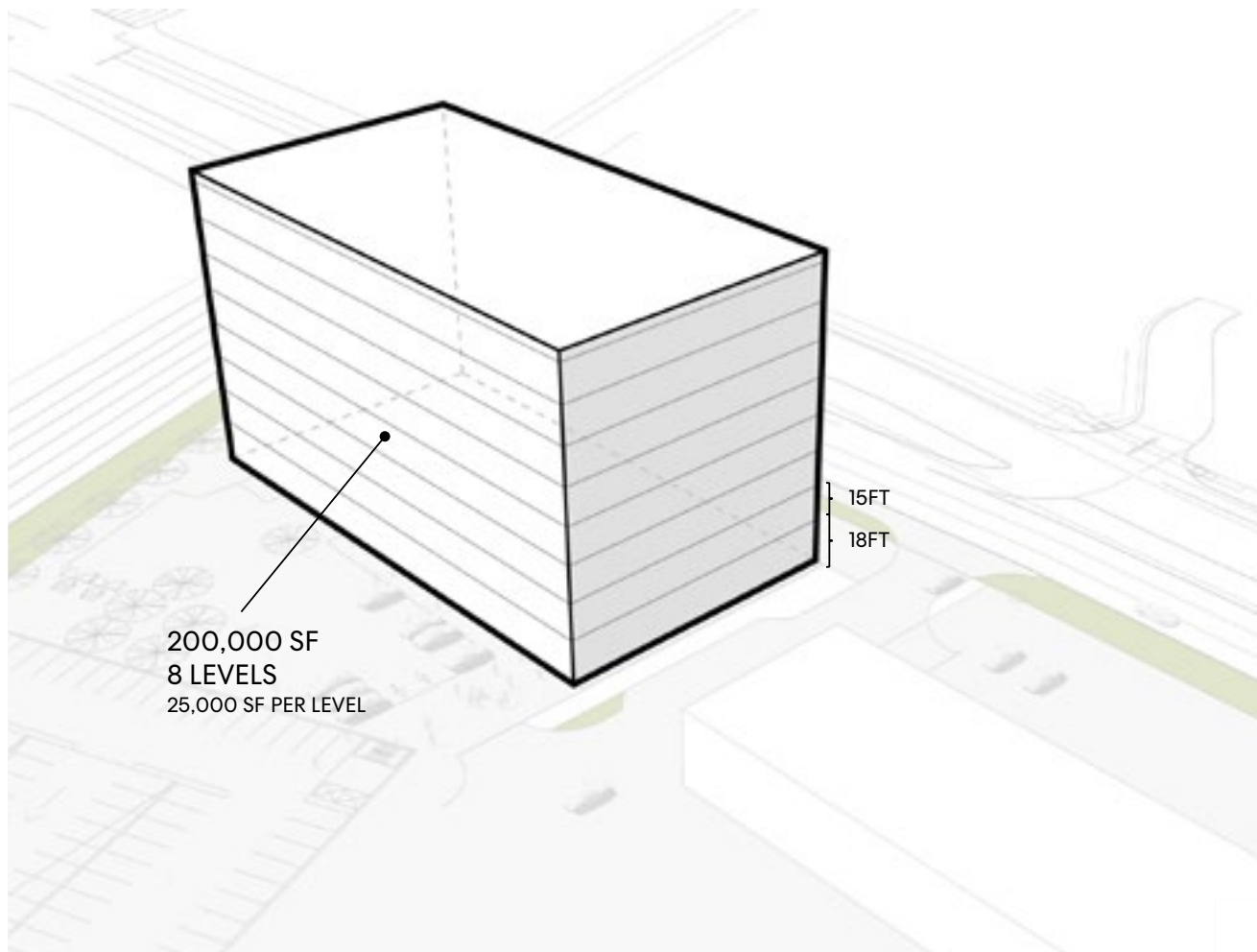
PHASES INVOLVED |

Concept Design
Schematic Design
Design Development
Construction Drawings
Contract Administration

We worked quickly to understand the people, history, and culture of McKinney, the developing 121-Corridor, as well as our client. I integrated our findings with the client's preferences to form the simple concepts that drove the design process and created the few diagrams needed to explain the narrative. I compiled the presentations and delivered them at client meetings with the senior designer.

After several iterations, I designed the final building that incorporated the characteristic brick facade with gun-metal ACM panels. Working in SketchUp and Lumion, I built all the digital design models and managed the production of renderings. I also assisted in generating the Revit documentation model and drawings, ensuring the proportions and details reflected the design intent. The senior designer and I collaborated with the interior design team to help guide their explorations as well.

Due to the tight construction schedule, we engaged Gate Precast Concrete early in the process to manufacture the thin-brick-cladded façade panels. We also collaborated closely with Cloud Ceramic brick suppliers to find the right blend of colors, and Fitzgerald Formliners to create the custom gasket form liner for a continuous-stair-step one-third running bond pattern.









1 ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

SITE PLAN GENERAL NOTES

PARKING SPACES REQUIRED

PARKING SPACES PROVIDED

SITE PLAN LEGEND

Perkins&Will
DISTRICT 121
KAIZEN
KAIZEN DEVELOPMENT PARTNERS
ARCHITECTURAL SITE PLAN
A01-01

2 TYPICAL PARAPET AT A/C

3 TYPICAL GLAZING HEAD AT A/C

4 TYPICAL SLAB EDGE AT PRECAST WALL PANEL AT PLASTER

5 TYPICAL TRANSITION FROM T.O. PAC 1 AT PLASTER

6 TYPICAL COOPING AT T.O. PAC 1 / LEVEL OF SILL

7 THINSET BRICK RECESS AT PRECAST BAY HEAD

8 AXON - TYPICAL NORTHSOUTH BAY

Perkins&Will
DISTRICT 121
KAIZEN
KAIZEN DEVELOPMENT PARTNERS
TYPICAL NORTH / SOUTH FACI BAY DETAILS
A32-21

2 NORTH ELEVATION
1/8" = 1'-0"

3 EAST ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

EXTERIOR ELEVATION LEGEND

EXTERIOR MATERIAL LEGEND

Perkins&Will
DISTRICT 121
KAIZEN
KAIZEN DEVELOPMENT PARTNERS
EXTERIOR ELEVATIONS
A20-01

2 TRANSVERSE SECTION
1/8" = 1'-0"

3 CONDITIONAL SECTION
1/8" = 1'-0"

Perkins&Will
DISTRICT 121
KAIZEN
KAIZEN DEVELOPMENT PARTNERS
BUILDING SECTIONS
A21-01



PERKINS&WILL | TARLETON STATE UNIVERSITY FORT WORTH IPE BUILDING

TARLETON STATE UNIVERSITY FORT WORTH IPE BUILDING

BRIEF | To design the Interprofessional Education Building at TSU's new Fort Worth campus.

DESIGN TEAM | Chris Loh, Robert Ting, Kevin Mereness, Brad Bailey, David McMillan, et al.

LOCATION | Fort Worth, Texas, USA

PROJECT TYPE | Higher Education

CONSTRUCTION COST | US \$49,000,000

GFA | 102,000 SqFt

STATUS | Under Construction

The new Interprofessional Education building will allow TSU to better serve the community of North Texas by providing state of the art facilities for the College of Health Sciences & Human Services and the College of Education. It will establish the identity of the new campus, activating one edge of the central arrival quad (which will be made complete with the future Building 03) and reaching out to the proposed mixed-used development across the entry drive.

Throughout the exploration of this project, we found ourselves creating relationships: the relationship between rural and urban, tradition and future, man and nature, laboratories and classrooms, nursing and education... The crafting of relationships, therefore, formed the foundational principle that drove our design process.

With the campus located on Chisholm Trail Pkwy, we realized that the journey of a student is not unlike the travels of ranchers that trekked from Texas to Kansas: Both are courageous expeditions marked by memorable moments that shapes identity and expands horizons. The journey that connects the community to the campus is celebrated with a loggia that runs down the slope: a porous threshold that activates the quad. As users traverse through the campus, key moments are located to connect students, educators, and professionals to the outdoors and to one another — catalyzed by collaboration spaces, vistas, and natural daylight.



PHASES INVOLVED |

Concept Design
Schematic Design
Design Development
Construction Drawings

With oversight from the senior designer, I served as lead project designer on the team. I conducted research and design explorations and facilitated design charrettes. Together, we established the design concepts based on the culture and history of Fort Worth, the values and identity of TSU, and the vision and foresight of the campus masterplan.

I executed the initial planning process, organizing the program and circulation based on the design narrative of Relationships and Journeys. I drew all the concept diagrams, composed design presentations, and delivered them at client meetings. I explored various design options through sketches and digital modeling in SketchUp before creating the final renderings in Lumion.

I helped to construct the Revit model and assisted with documentation especially with regards to site and architectural elements, exterior envelope design, glazing and material articulation, and construction details. I also collaborated with the interior design team and consulted on their design process.





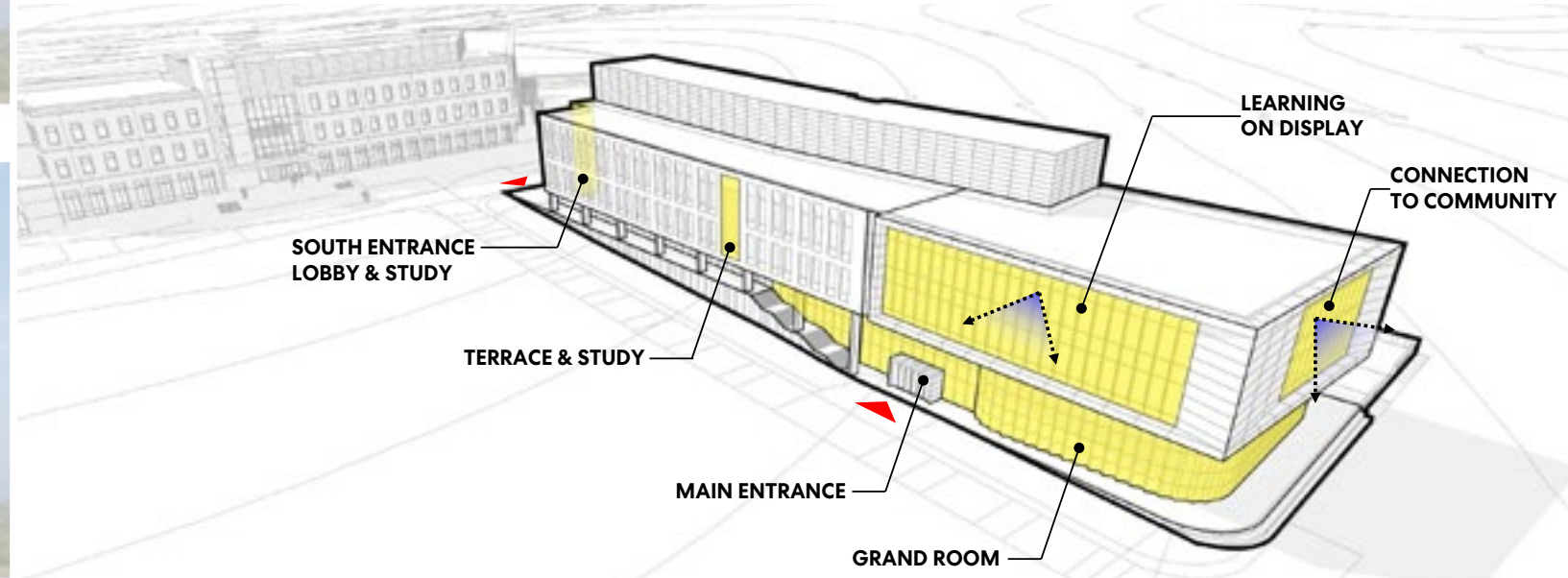
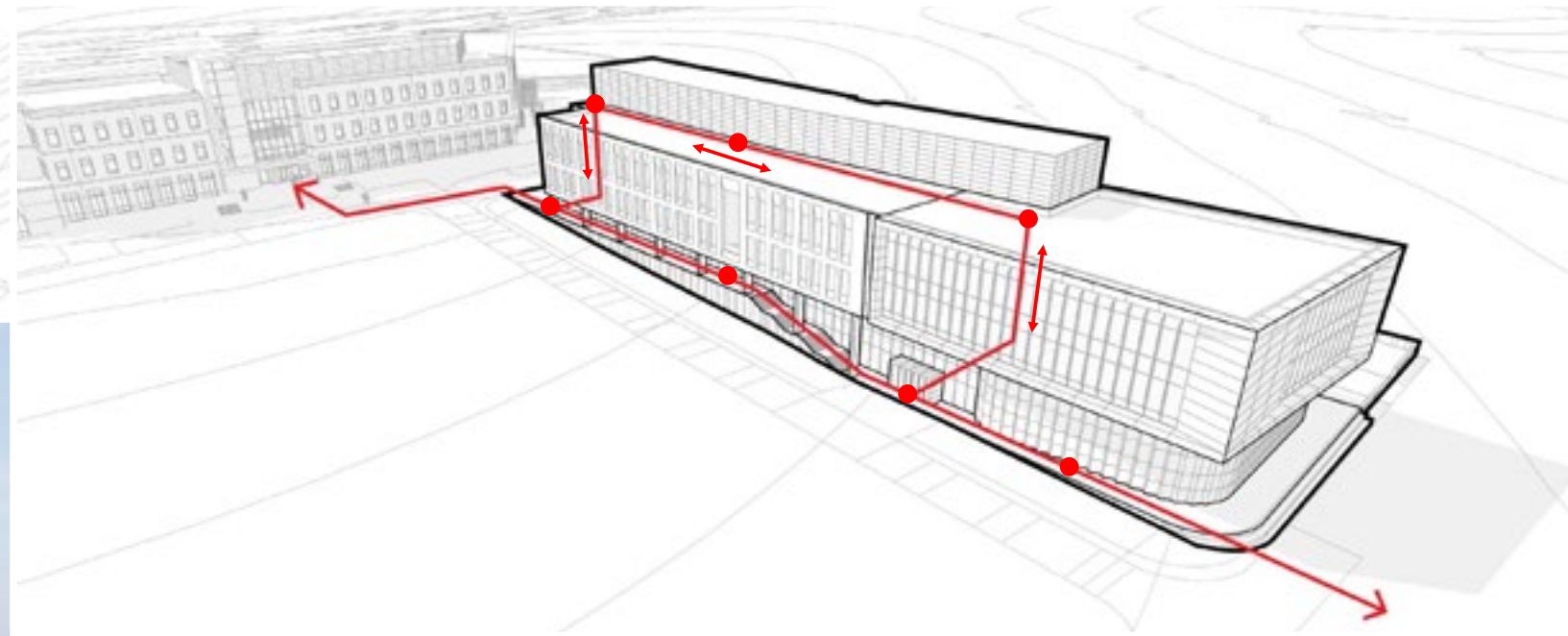
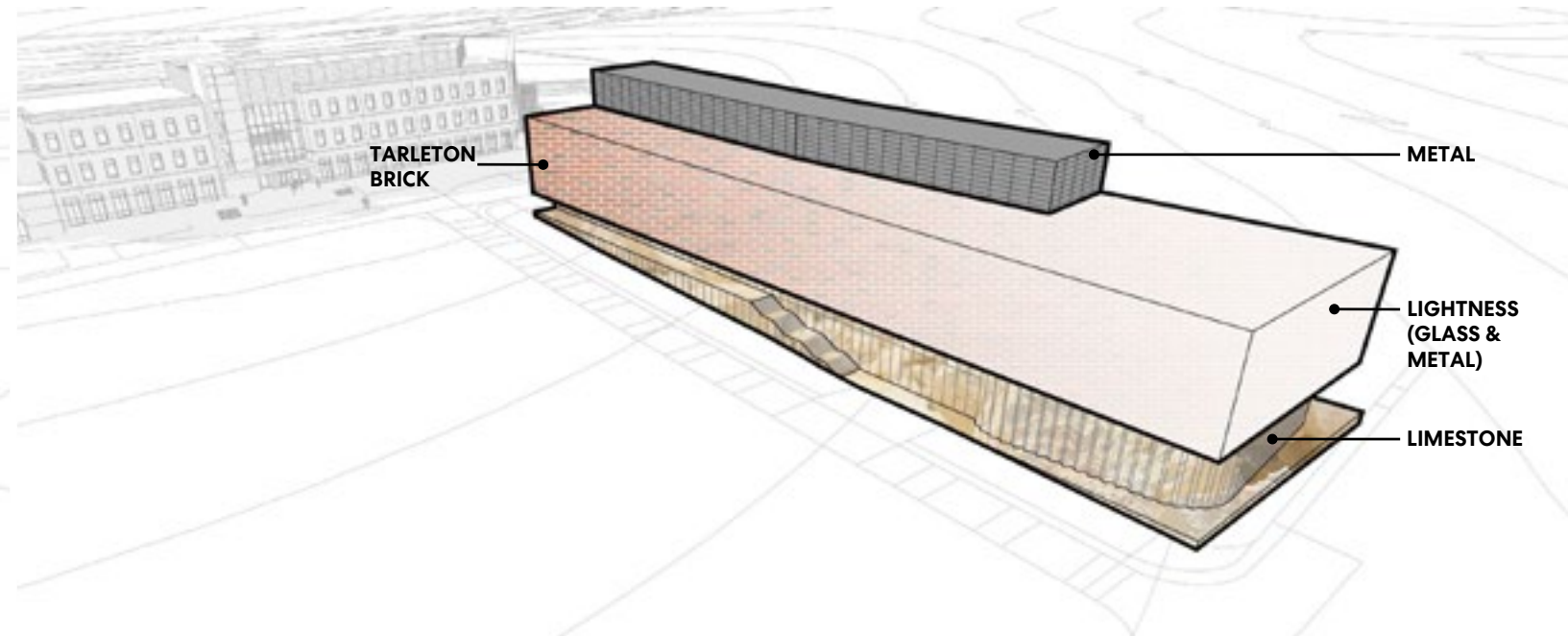
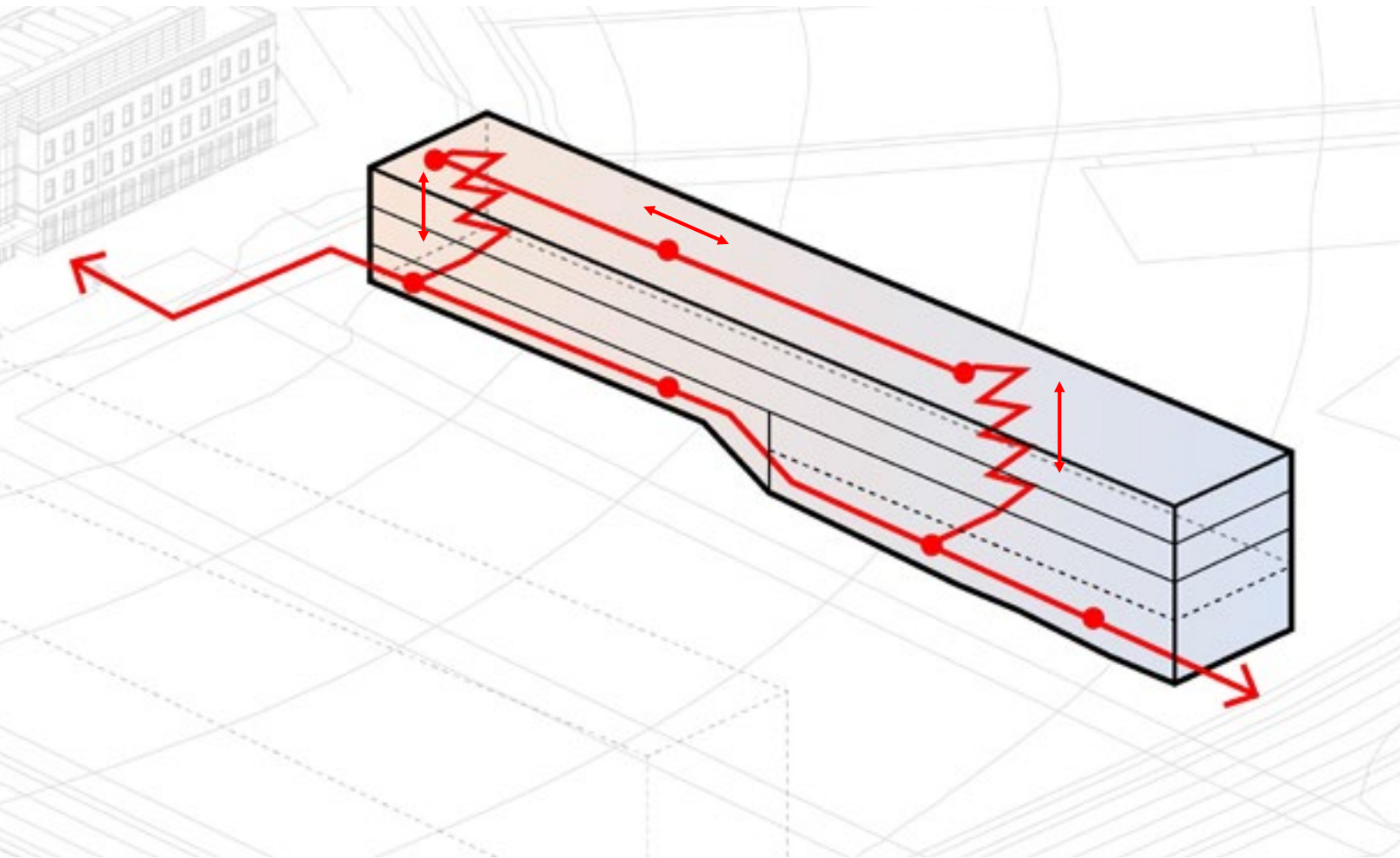
FORT WORTH
The City of Confluence



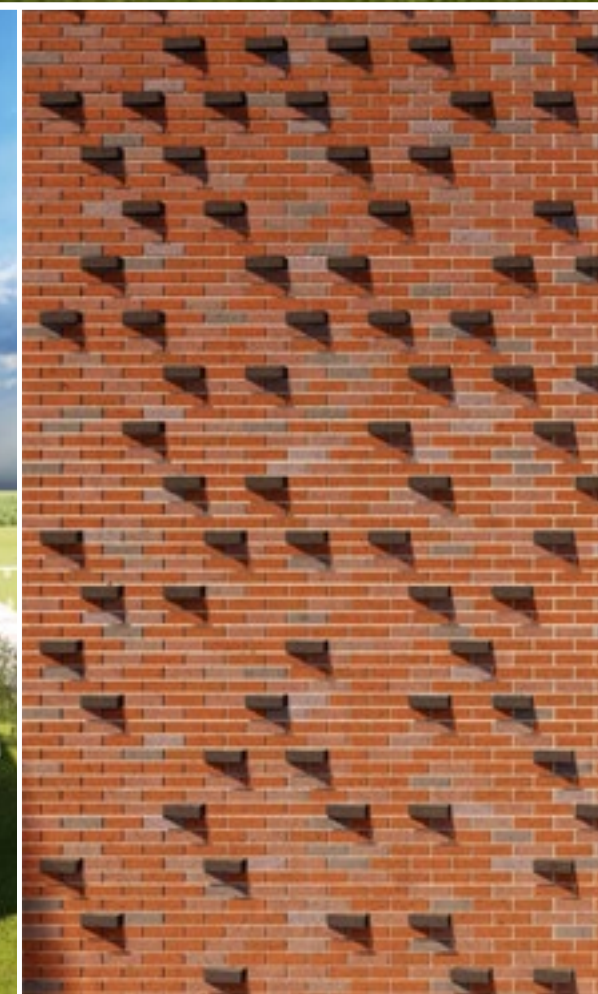
THE CHISHOLM TRAIL
Connection to Opportunity



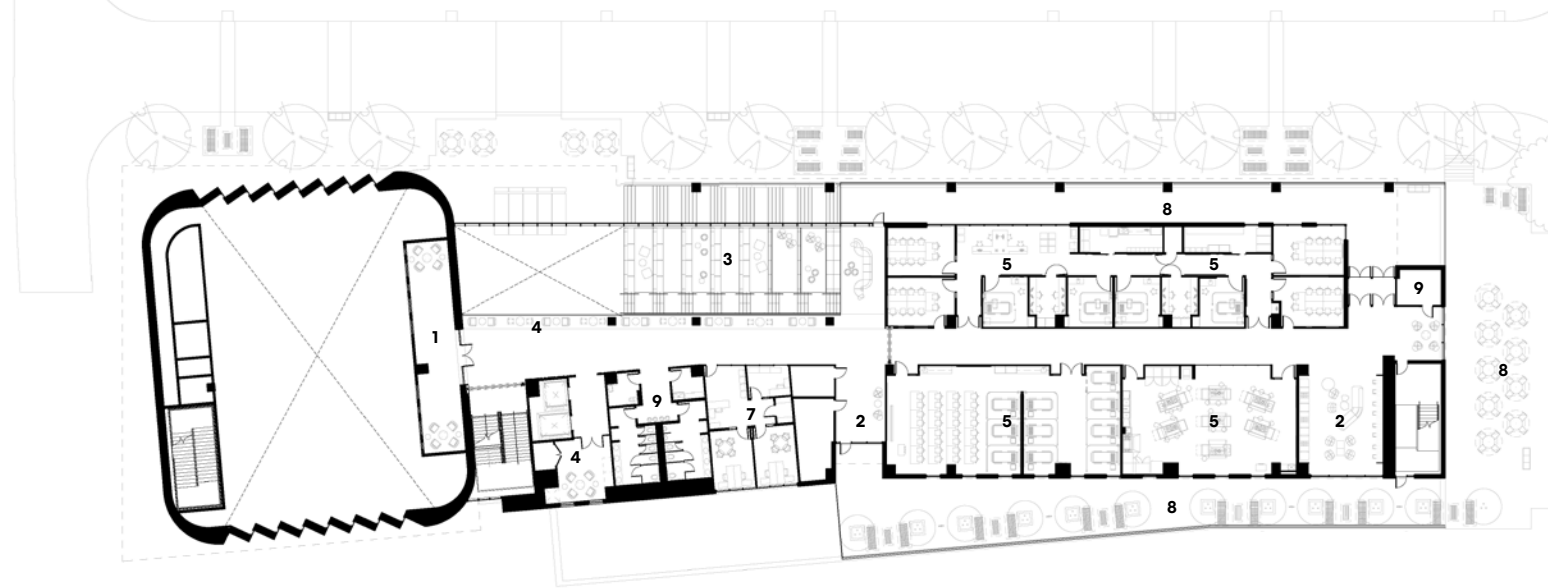
WENO LIMESTONE & GRAND PRAIRIE
Flora, Fauna and Fossils







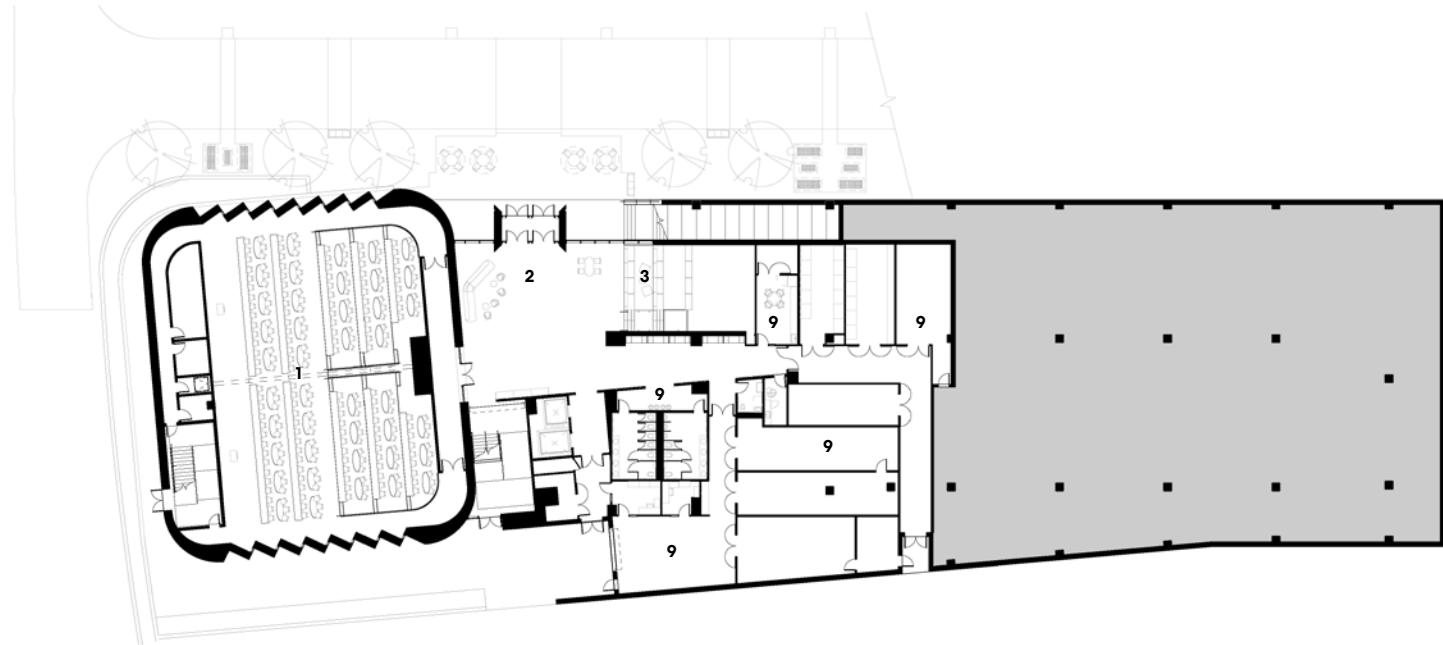
FLOOR PLANS | LEVEL 02



FLOOR PLANS | LEVEL 04



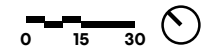
FLOOR PLANS | LEVEL 01



FLOOR PLANS | LEVEL 03



- 1. GRAND ROOM
- 2. ENTRY LOUNGE
- 3. LEARNING STAIR
- 4. STUDENT COMMONS
- 5. LAB
- 6. CLASSROOM
- 7. FACULTY OFFICE
- 8. TERRACE/ LOGGIA
- 9. SUPPORT





PERKINS&WILL | RENOWN HEALTH SOUTH MEADOWS SCC

RENOWN HEALTH SOUTH MEADOWS SCC

BRIEF | To design the new Specialty Care Center at Renown Health's South Meadows campus.

DESIGN TEAM | Chris Loh, Robert Ting, Junye Zhou, Holly Ewing, Thomas Newsom, et al.

LOCATION | Reno, Nevada, USA

PROJECT TYPE | Healthcare

CONSTRUCTION COST | US \$178,000,000

GFA | 160,000 SqFt

STATUS | Under Construction (Redesigned)

The Renown Health group has been serving the greater Nevada region since the 1860s. They have grown with the city of Reno and its surrounding areas, providing innovative health solutions and devoted care.

Reno is located at the edge of the Sierra Nevada and the Great Basin — two regions with vastly different landscapes. The transition between these textures can be experienced along the Truckee River which connects Lake Tahoe to Pyramid Lake. This beautiful journey became the core concept for the design of the new Specialty Care Center at Renown Health's South Meadows campus.

Mapping this journey onto the building inspired shifting masses that create covered outdoor terraces and cantilevering public areas with access to views and natural light. Not only are the dynamic textures part of the exterior glazing, they continue into the interior spaces and the new central plaza before becoming part of the existing buildings — connecting the entire campus.

In addition to Lake Tahoe, the Truckee River is fed by six reservoirs and is Reno's main source of water. These six moments bring life to the river and to the city. Significant life experiences happen at the Renown South Meadows campus, and these moments on the journey are celebrated architecturally as indentations in the building facade and openings in the grand courtyard canopy.





PHASES INVOLVED |

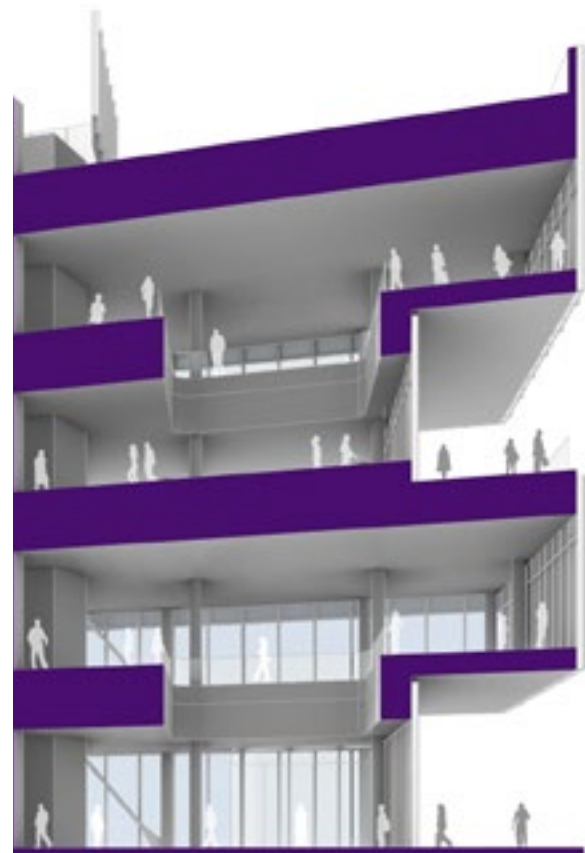
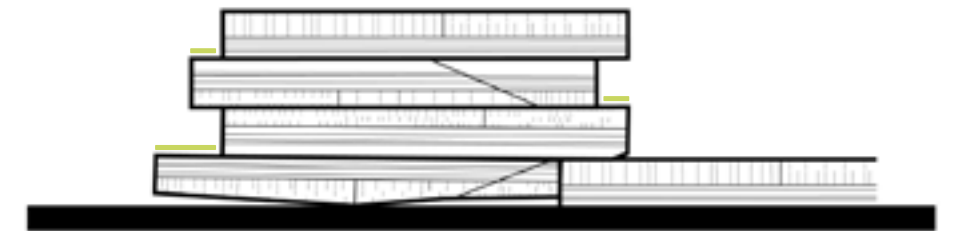
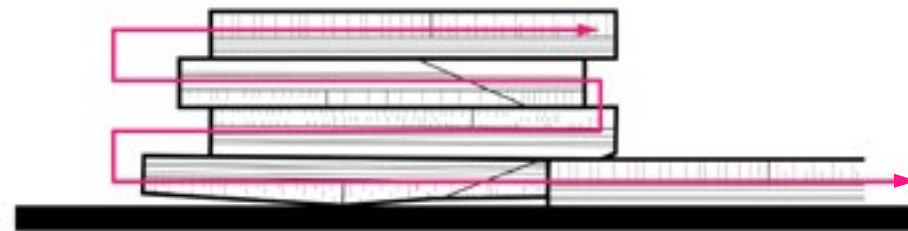
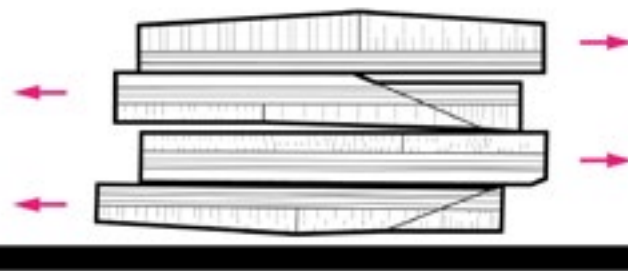
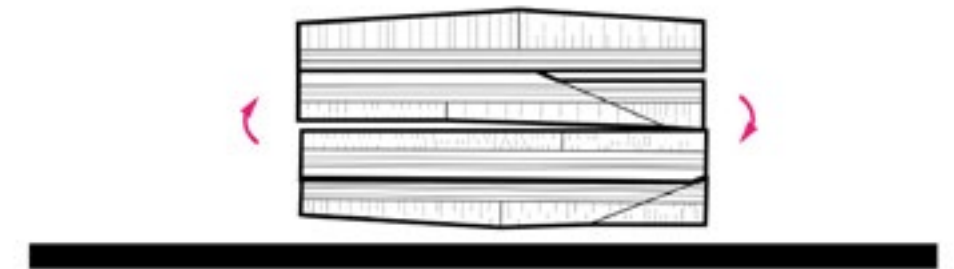
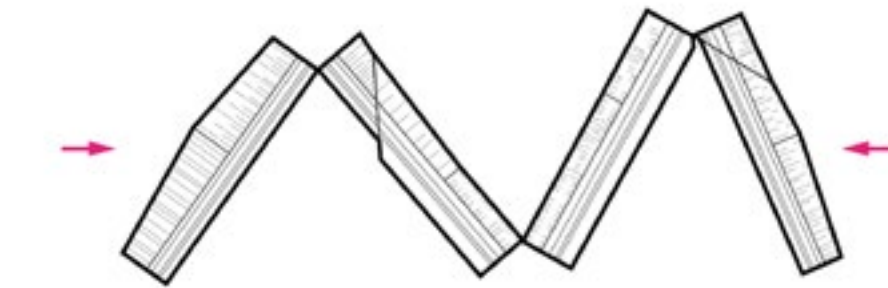
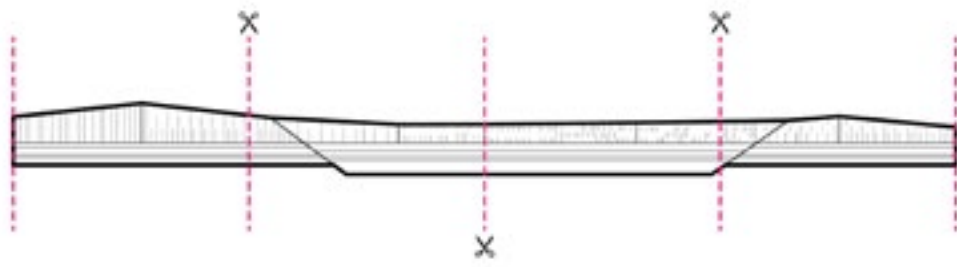
- Concept Design
- Schematic Design
- Design Development
- Construction Drawings

This project was part of a large contract that included renovations and additions both at the South Meadows campus and the central Reno campus. We collaborated with the Houston office on this project, who took charge of the planning and documentation process. The senior designer and I were lead project designers for the South Meadows SCC team.

Under the senior designer's leadership, my colleague and I conducted research and synthesized information that developed into core concepts. I drew most of the concept diagrams and put together all design presentations. We developed several iterations of the design, testing ideas through digital modeling in Rhino and physical model-making. We then produced renderings through Lumion. I also collaborated with the interior design team and consulted on their design process.

Working with the project architect in Houston, I assisted in the Revit modeling and documentation. I specifically aided in the exterior facade design, site design, and canopy documentation.

Unfortunately, due to the steep rise in construction costs caused by the Covid-19 pandemic, the project has undergone a complete redesign based on new budget parameters.

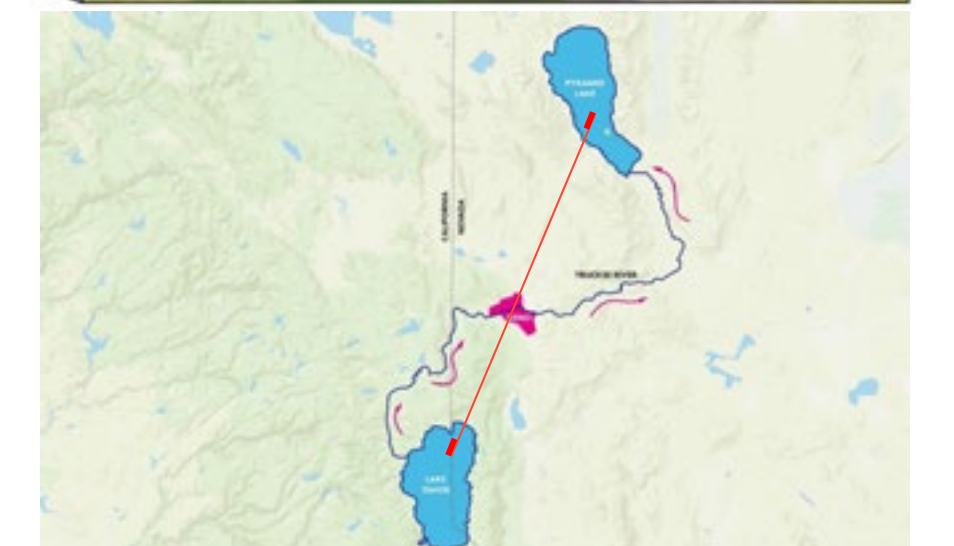
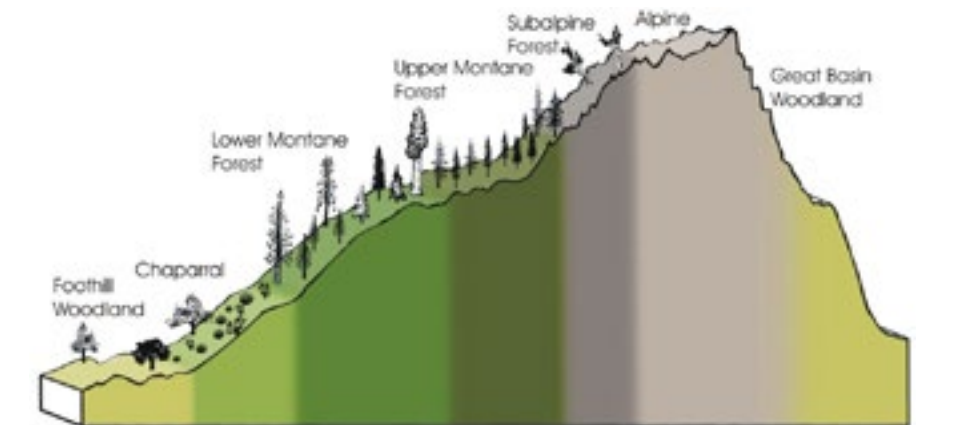


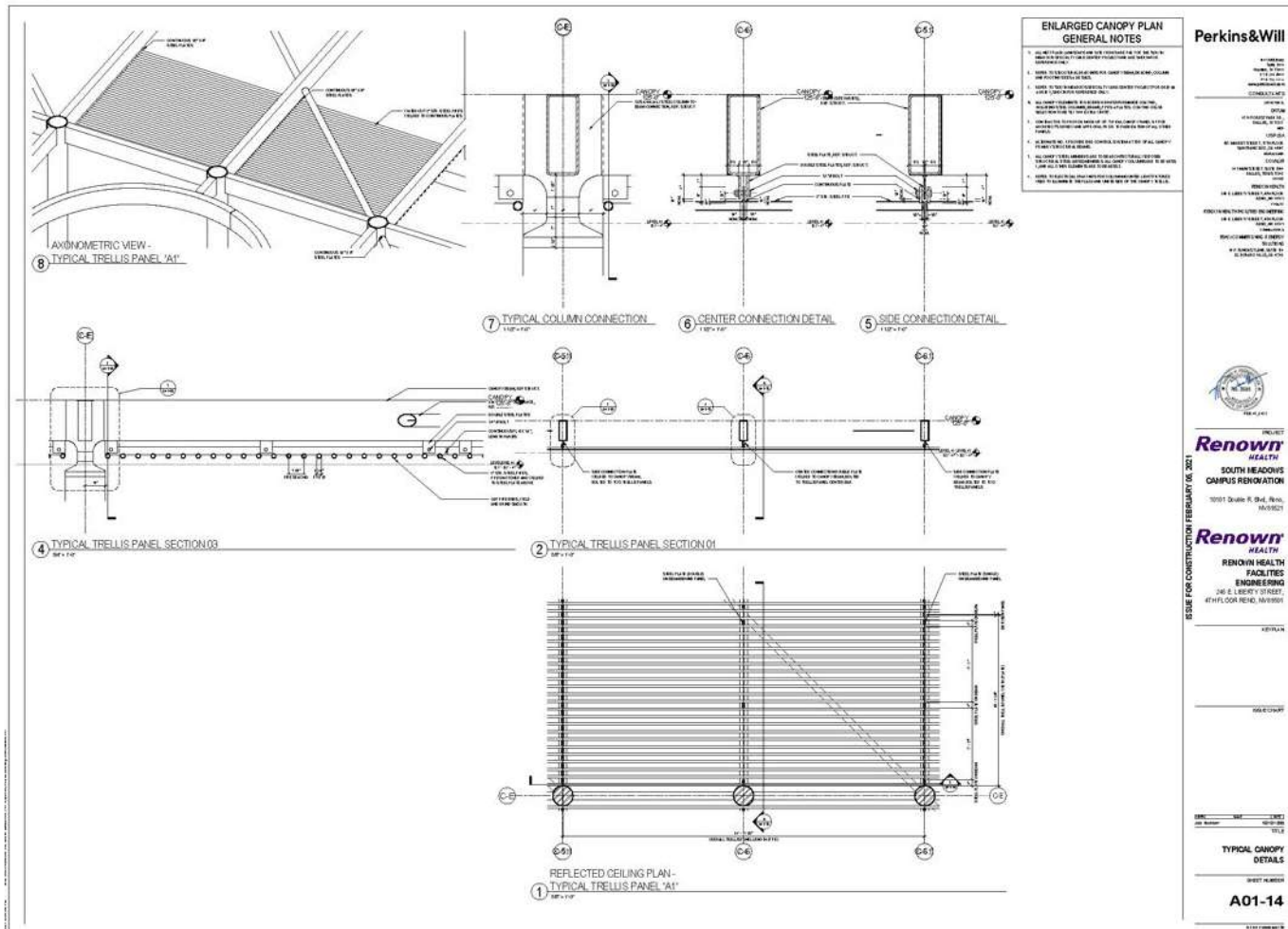
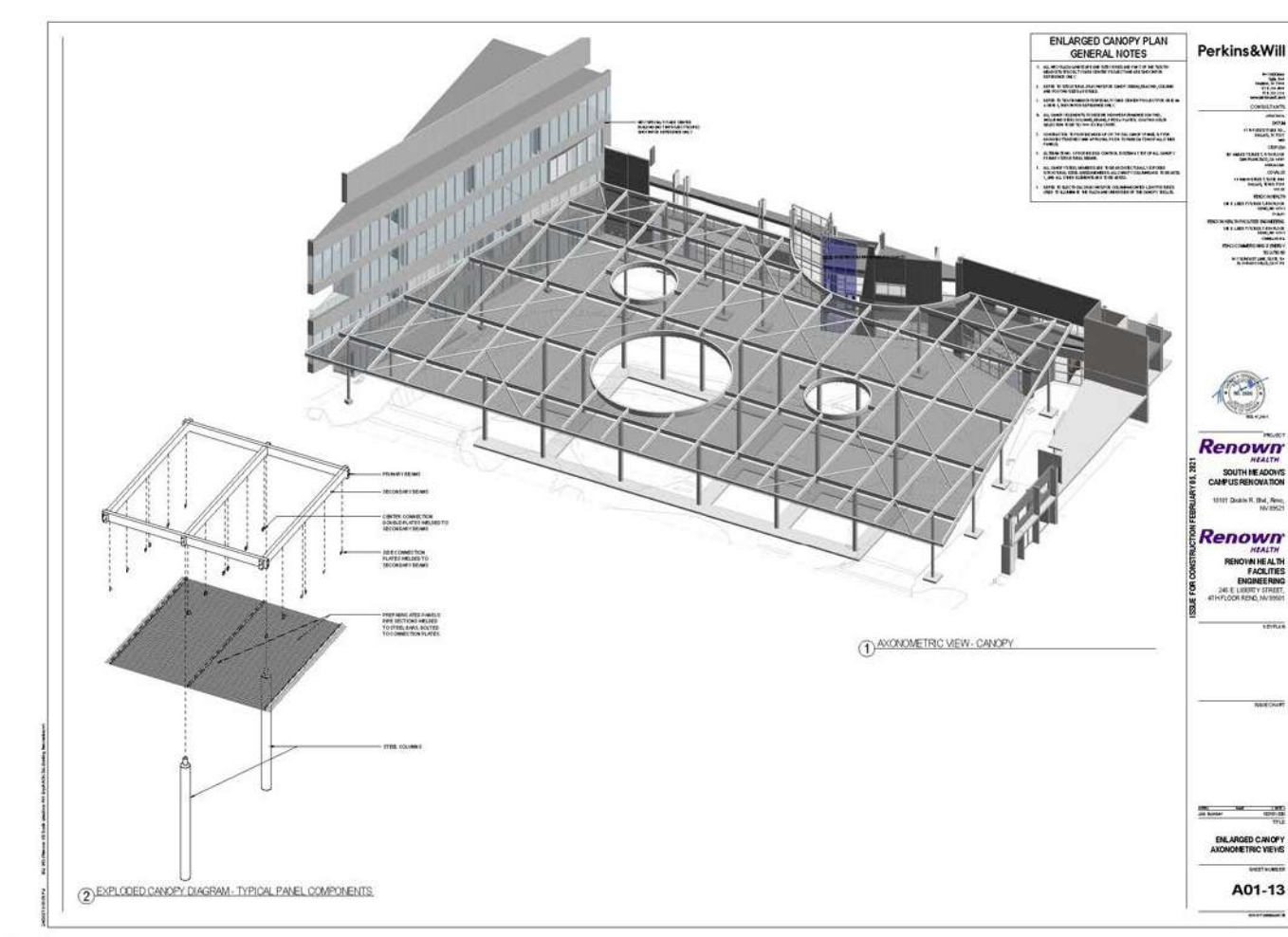
LEVEL 4 | CLINICS

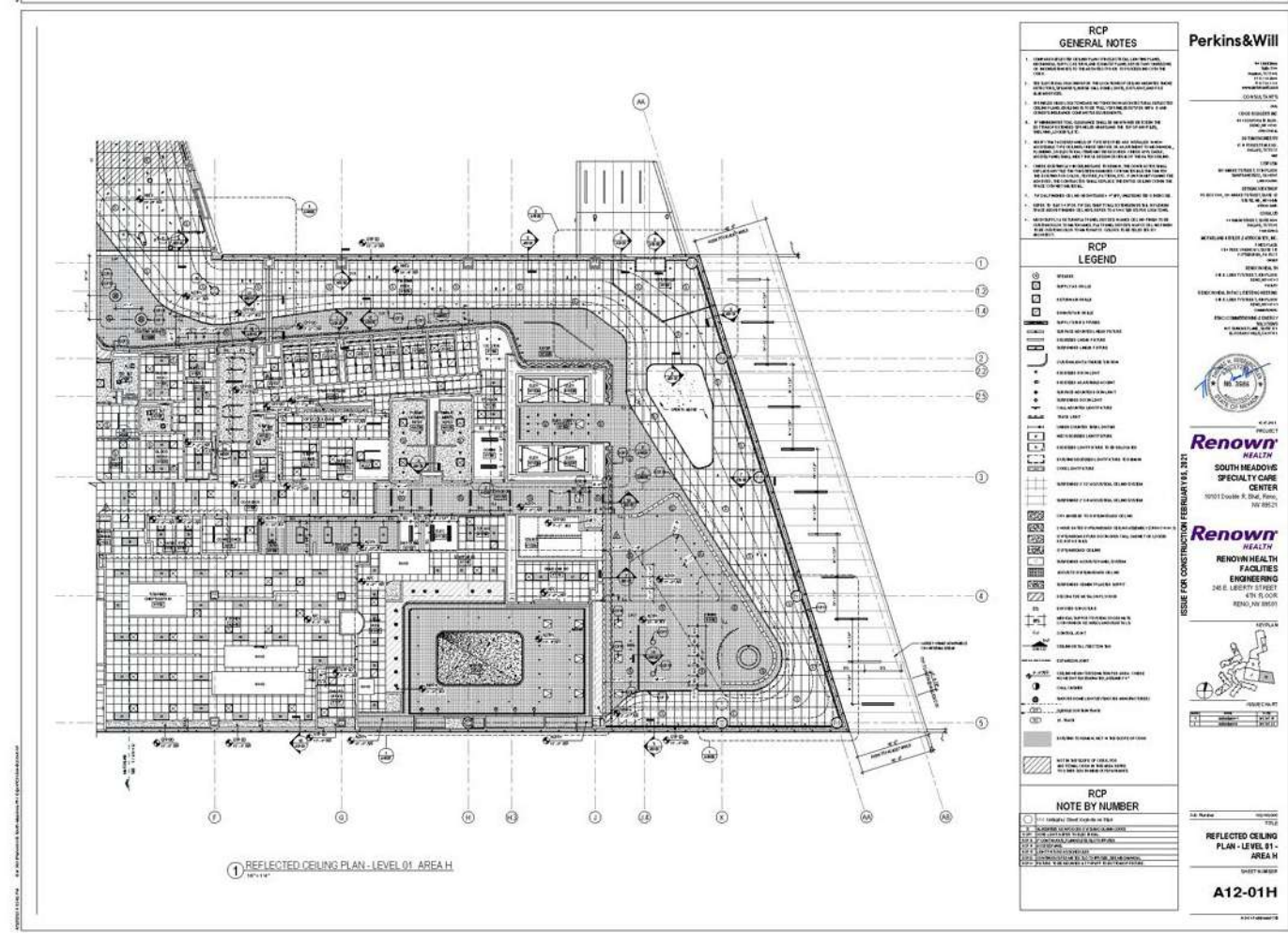
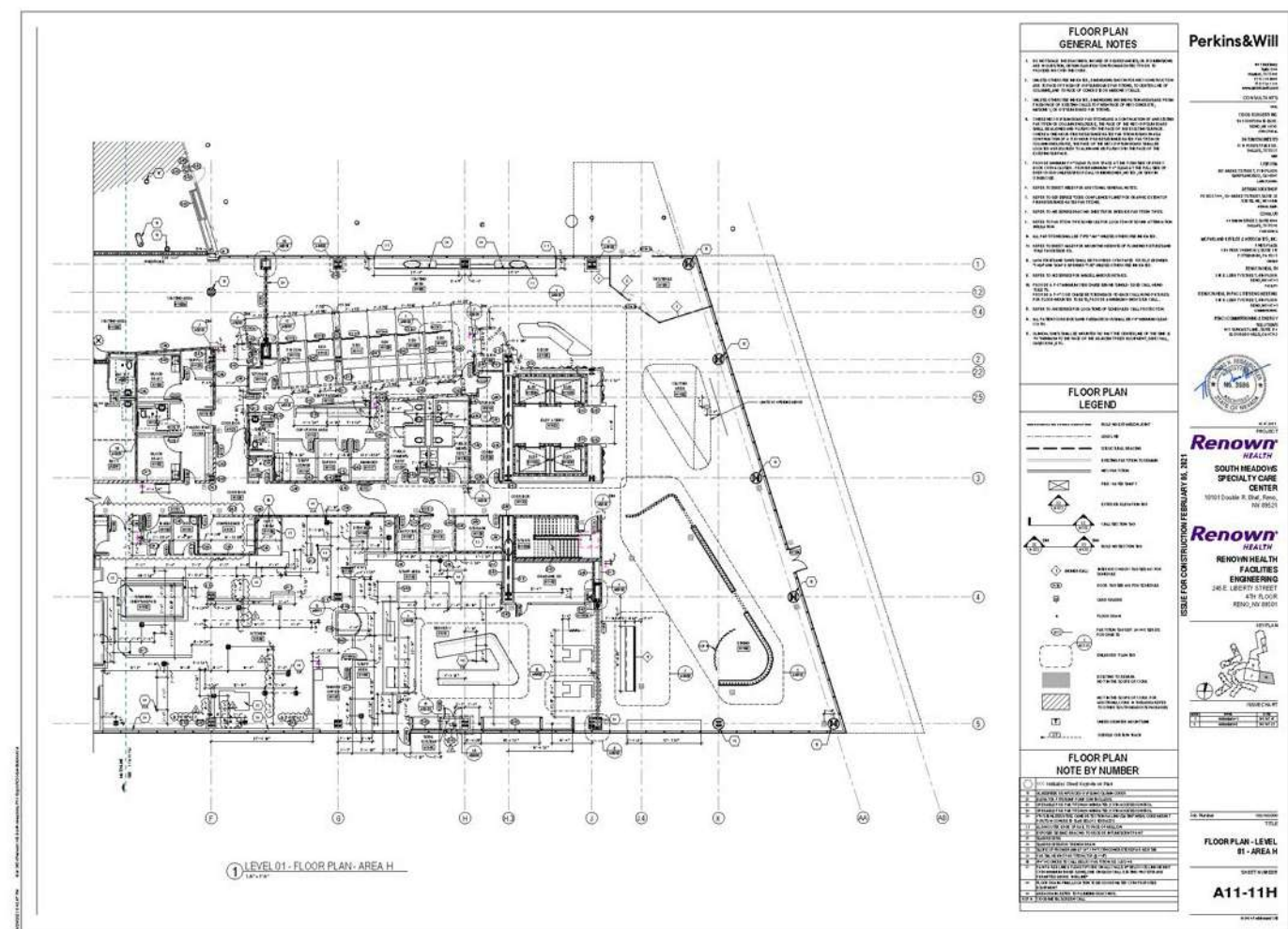
LEVEL 3 | CLINICS

LEVEL 2 | SURGERY & RADIOLOGY

LEVEL 1 | PRE-ADMIT & DINING









AEDAS | ZHUHAI NEW HOLIDAY RESORT HOTEL & SPORTS CENTER

ZHUHAI NEW HOLIDAY RESORT HOTEL & SPORTS CENTER

BRIEF | To design a new 5-Star 300-room hotel and sports center (including their interiors), and to redevelop the masterplan of the surrounding compound to include a retail mall, conference center, clubhouse, and additional staff facilities in the future.

DESIGN TEAM |

Chris Loh, Benjamin Chan, Helen Zhou, Cara Wang

LOCATION | ZhuHai, GuangDong, China

PROJECT TYPE | Hospitality & Recreation

CONSTRUCTION COST | US \$68,144,000

GFA | 505,904 SqFt (Hotel 441,320 SqFt)

STATUS | Complete 2018 (Opened 08.2020)

Founded in 1984, the ZhuHai Holiday Resort Hotel is set in a retreat compound in the heart of ZhuHai city, at the bay of the South China Sea. Aedas was awarded the contract to design its new hotel and sports center upon winning the closed competition for the project.

The form of the hotel organically sprouts from the site, as it curves around the man-made lake central to the park of the resort. Massing shifts in the podium of the tower further emphasize connections to nature and water. Fins were introduced both as a shading device and a privacy screen, creating intimate balcony spaces for guests in lake-view rooms. An outdoor deck with an infinity pool serves as a pedestrian bridge connecting hotel guests to the facilities at the sports center.



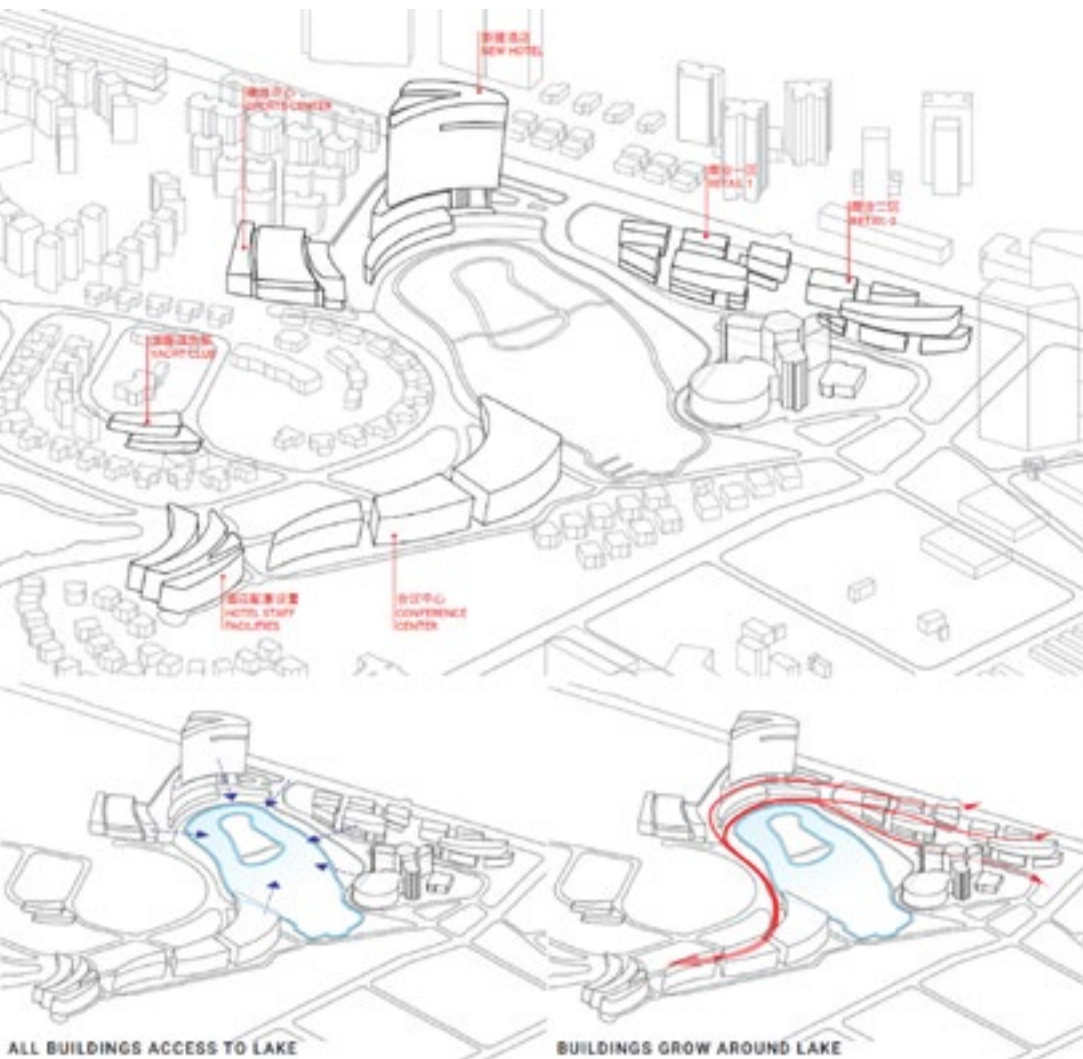
PHASES INVOLVED |

Concept Design (Competition)
Schematic Design
Design Development
Facade Design
Interior Schematic Design

Invited to compete against several globally celebrated architects, I led the pursuit with the project director: conducting site analysis and conceptual research, crafting the narrative, designing the complex of buildings, and producing the final submission. Using Revit, I created 3D models for several design options and narrative diagrams of the final scheme. I performed planning explorations to guarantee compliance with FAR and GFA requirements as well as program and branding guidelines. I also directed the visualization contractor to produce all renderings.

Upon winning the competition, I managed a team of two architectural designers and generated all subsequent architectural drawings. I oversaw the schematic design, design development, and facade design drawings for the hotel and sports center. I collaborated closely with the Local Design Institute (LDI) and their team of engineers to ensure structural and MEP requirements were met in compliance with architectural goals. I also participated in the interior design process.











AEDAS | JINHUA CROWNE PLAZA HOTEL

JINHUA CROWNE PLAZA HOTEL

BRIEF | To design a 4-Star 330-room IHG Crowne Plaza Hotel on the new development site in JinDong District of JinHua, ZheJiang.

DESIGN TEAM |

Chris Loh, Benjamin Chan, Helen Zhou

LOCATION | JinHua, ZheJiang, China

PROJECT TYPE | Hospitality

CONSTRUCTION COST | US \$62,543,000

GFA | 621,411 SqFt

STATUS | Unbuilt/ Discontinued

Aedas was appointed to create the master plan for a new development in JinDong district. Upon approval by the municipal government, our team was chosen to design the hotel proposed in the development.

The project site is located south of the JinHua Architecture Park and AiQing Memorial Square. The design of the hotel was, therefore, inspired by musical notes and rhythms in reference to poems by AiQing — renowned Modernist poet and father of contemporary artist AiWeiWei.

The complex requirements of the full-service hotel were housed in individual rectilinear volumes that danced across the site, connected via roof decks that opened to views of the pedestrian plaza to the south and JiWu River to the north.





PHASES INVOLVED |

- Schematic Design
- Design Development

I joined the project at the beginning of the schematic design phase, just as the concept design was being confirmed. With the project director and another architectural assistant, we developed the 3D model in Revit and used it to generate all subsequent architectural drawings including plans, elevations, sections, façade details, structural core (stair and elevator) details, perspective and axonometric references, etc. Working with a visualization contractor, I also managed the production of all renderings.

As primary liaison for consultant and client teams, I coordinated with the Local Design Institute (LDI), structural, MEP, curtain wall engineers, interior architect, and kitchen consultant: ensuring we received and communicated crucial information in a timely manner. I performed circulation and parking analysis to comply with code and functional requirements. I conducted planning explorations of amenity areas, back-of-house spaces, and guestrooms, adhering to both our design intent and the hotel operator's design guidelines.



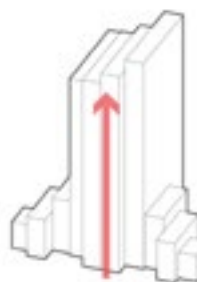
LINEAR MODULE
線性模塊
單元



PLANAR SHIFT
平面錯位
單元



ELEVATIONAL SHIFT
垂直錯位
單元



ELEVATIONAL SHIFT
塔樓
單元







材料编号 MATERIAL LEGEND	
AL01	铝单板 ALUMINUM PANEL
AL02	铝塑板 ALUMINUM PANEL
SL01	不锈钢饰面 INOX STAINLESS COLOR FINISH
GL01	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL02	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL03	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL04	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL05	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
ST01	幕墙龙骨 METAL STONE PANEL
ST02	幕墙龙骨 METAL STONE PANEL

大堂扶梯 3D 透视图, ESCALATOR LOBBY PERSPECTIVE

6 幕墙详图 50-201 剖面 II CALLOUT 50-201 SECTION 2
 4 幕墙详图 50-201 剖面 I CALLOUT 50-201 SECTION 1
 1 幕墙详图 50-201 放大东立面 CALLOUT 50-201 ENLARGED EAST ELEVATION

1 扶梯大堂幕墙包柱大平面图 ESCALATOR LOBBY CURTAIN WALL ENLARGE VERTICAL SUPPORT

材料编号 MATERIAL LEGEND	
AL01	铝单板 ALUMINUM PANEL
AL02	铝塑板 ALUMINUM PANEL
SL01	不锈钢饰面 INOX STAINLESS COLOR FINISH
GL01	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL02	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL03	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL04	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
GL05	LOW-E 中空玻璃 LOW-E MIDDLE GLAZED UNIT
ST01	幕墙龙骨 METAL STONE PANEL
ST02	幕墙龙骨 METAL STONE PANEL

4 幕墙玻璃幕墙大平面图 TYPICAL CAP MULLION DETAIL

5 幕墙玻璃幕墙大平面图 TYPICAL BUTT MULLION DETAIL

2 幕墙玻璃幕墙大平面图 EXTENDED CAP MULLION DETAIL

3 幕墙玻璃幕墙大平面图 EXTENDED CAP MULLION 2 DETAIL

4 幕墙详图 50-201 扶梯大堂包柱 CALLOUT 50-201 ISOMETRIC DRAWING

2 幕墙详图 50-201 三层平面图 CALLOUT 50-201 F3 PLAN
 3 幕墙详图 50-201 二层平面图 CALLOUT 50-201 F2 PLAN
 1 幕墙详图 50-201 一层平面图 CALLOUT 50-201 F1 PLAN

1 二号楼梯下一层平面图 STAIRCASE 3 F2 PLAN
 4 二号楼梯下一层平面图 STAIRCASE 3 F1 PLAN
 5 二号楼梯下一层平面图 STAIRCASE 1 F1 PLAN
 6 二号楼梯二层平面图 STAIRCASE 3 F2 PLAN
 7 二号楼梯三层平面图 STAIRCASE 3 F3 PLAN
 8 二号楼梯四层平面图 STAIRCASE 3 F4 PLAN

3 二号楼梯剖面图 STAIRCASE 3 SECTION

2 二号楼梯一层平面图 STAIRCASE 3



KEBAYA F&B. MANAGEMENT CO. | NYONYA KITCHEN CHINA WORLD MALL

**NYONYA KITCHEN CHINA
WORLD MALL**

BRIEF | To design a branch of the Nyonya Kitchen restaurant at the newly constructed extension of China World Mall.

DESIGN TEAM | Chris Loh

LOCATION | Beijing, China

PROJECT TYPE | Restaurant Interior

SEATING | 76

GFA | 1507 SqFt

CONSTRUCTION COST | US \$137,800

STATUS | Completed 03.2017

The China World Trade Centre is Beijing's premier mixed-use development located in the CBD. The construction of a brand new 58-story office tower came with an extension of the existing shopping mall. Nyonya Kitchen was invited to relocate to level 5 of the new mall, alongside some of the most renowned restaurants in the city.

Previously celebrated as an ethnic, mom-and-pop restaurant serving authentic Malaysian food, Nyonya Kitchen had to undergo a vigorous rebrand to compete with Beijing's ever evolving food scene. The result was a modern, contemporary restaurant with the warmth and hospitality of a Malaysian home. The new restaurant was designed to cater to the high volume of fast-paced office patrons while providing a comfortable, inviting atmosphere and preserving its unique cultural flare.





PHASES INVOLVED |

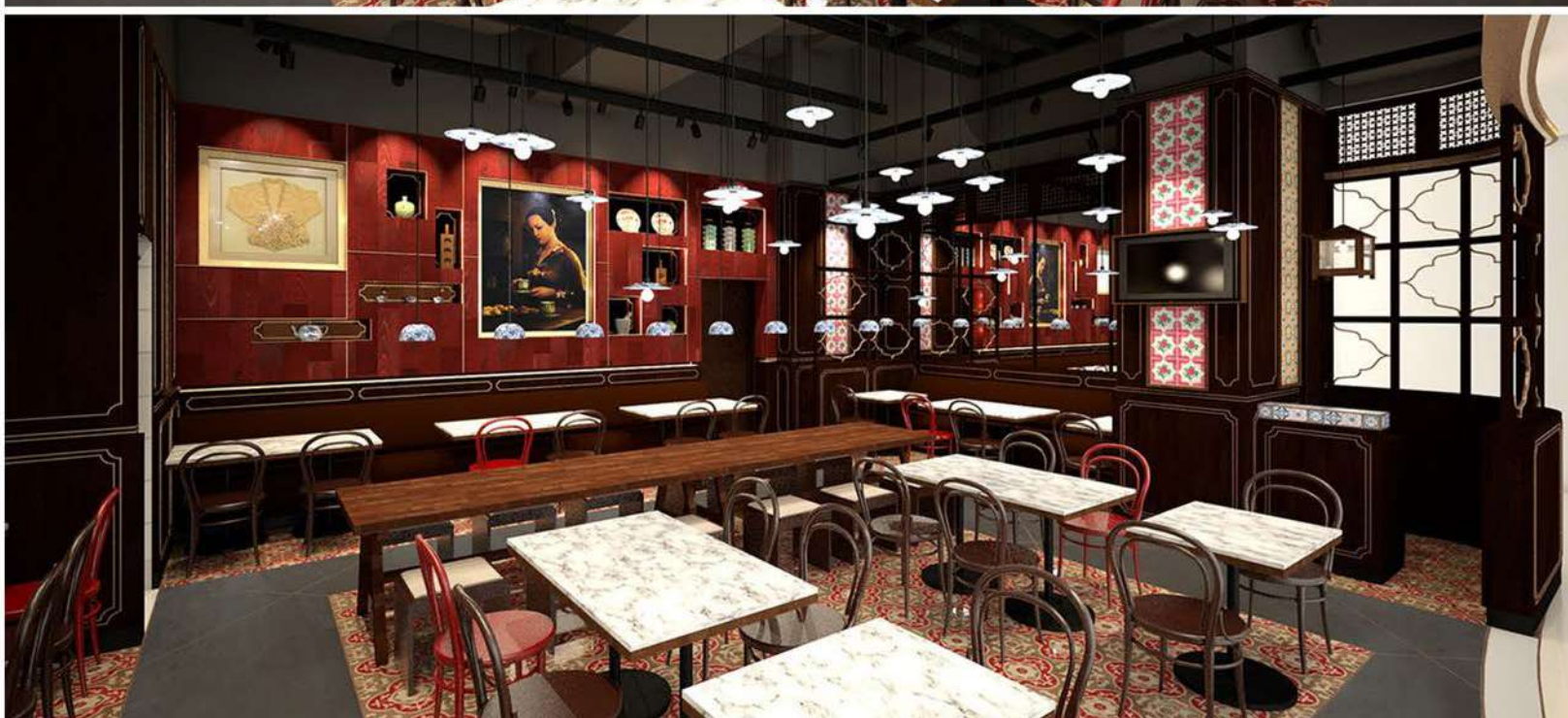
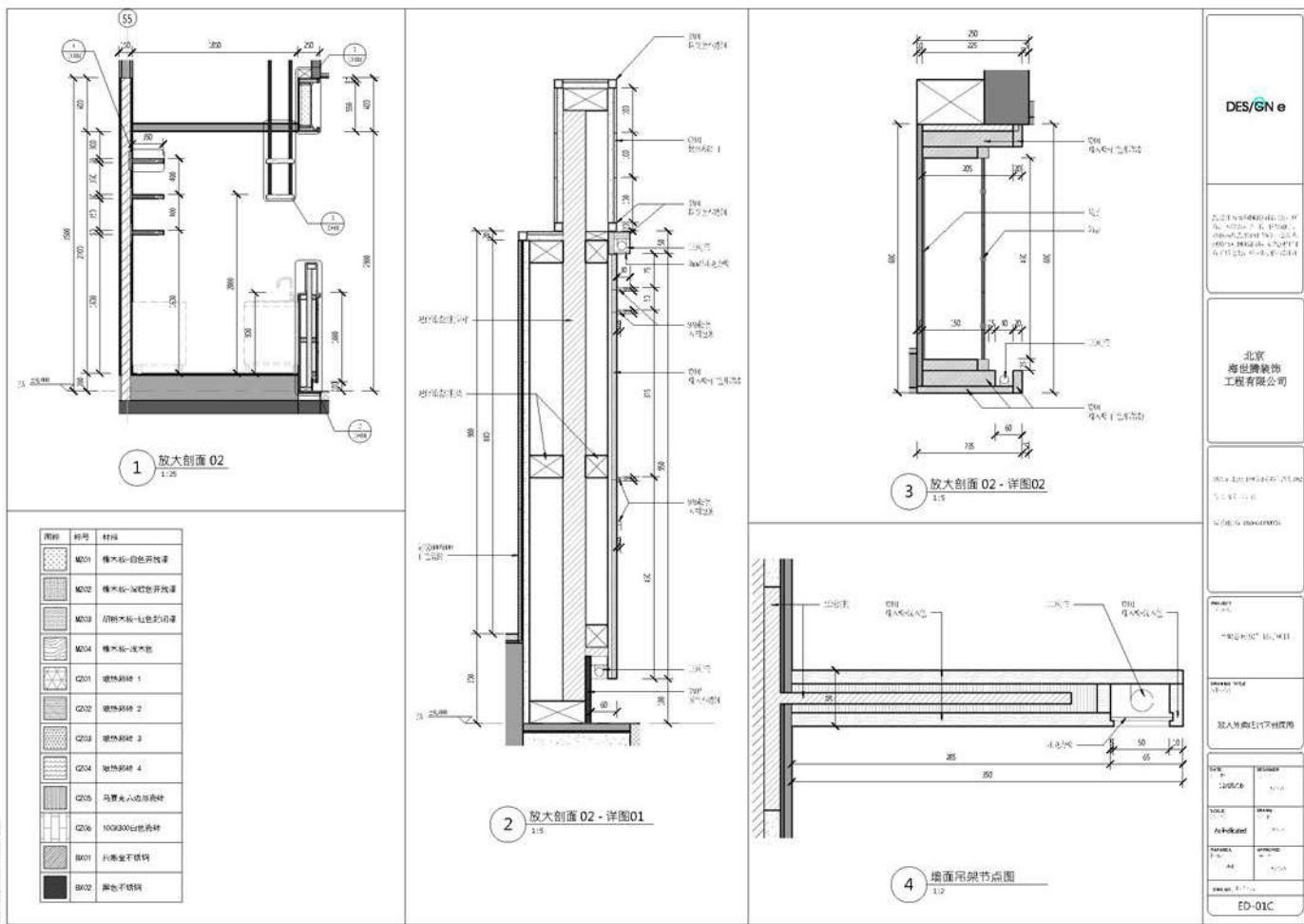
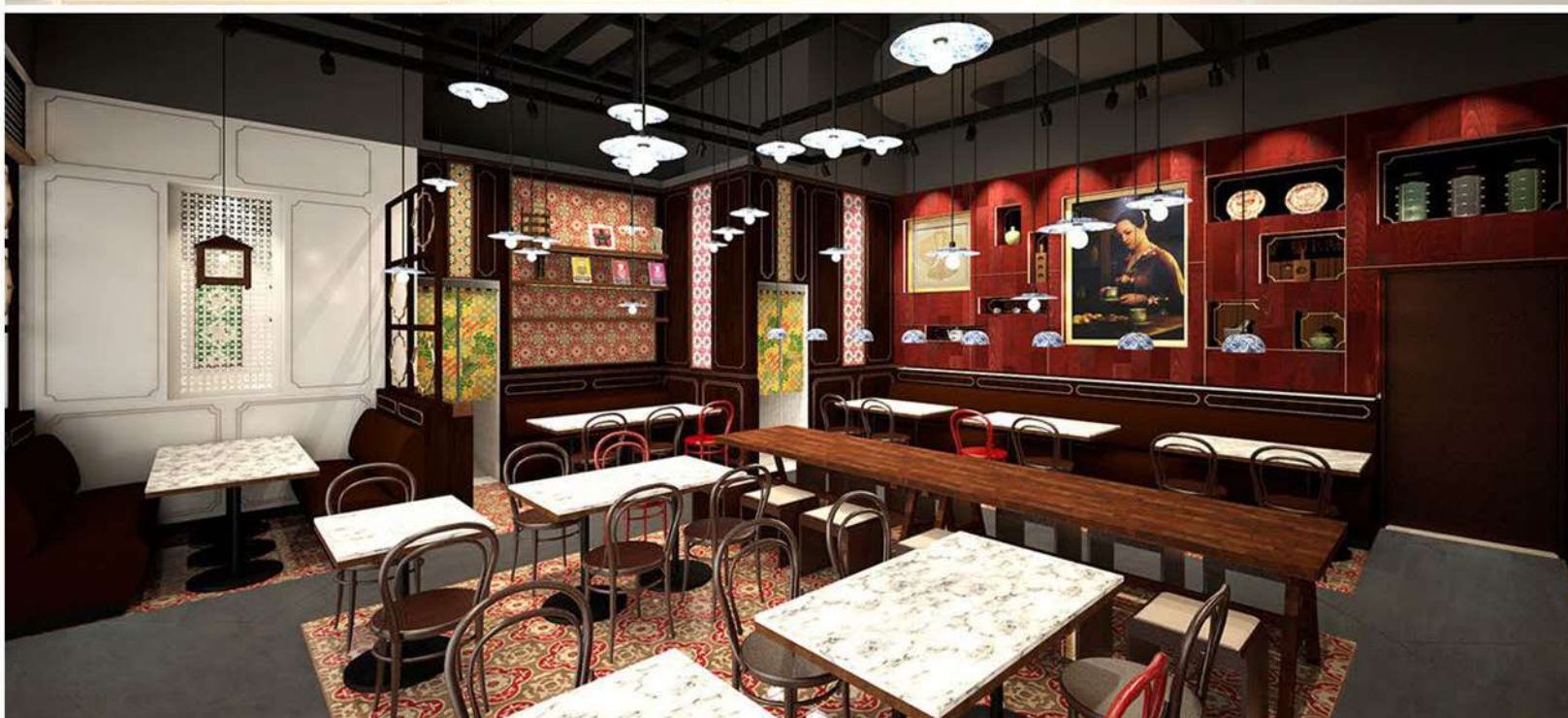
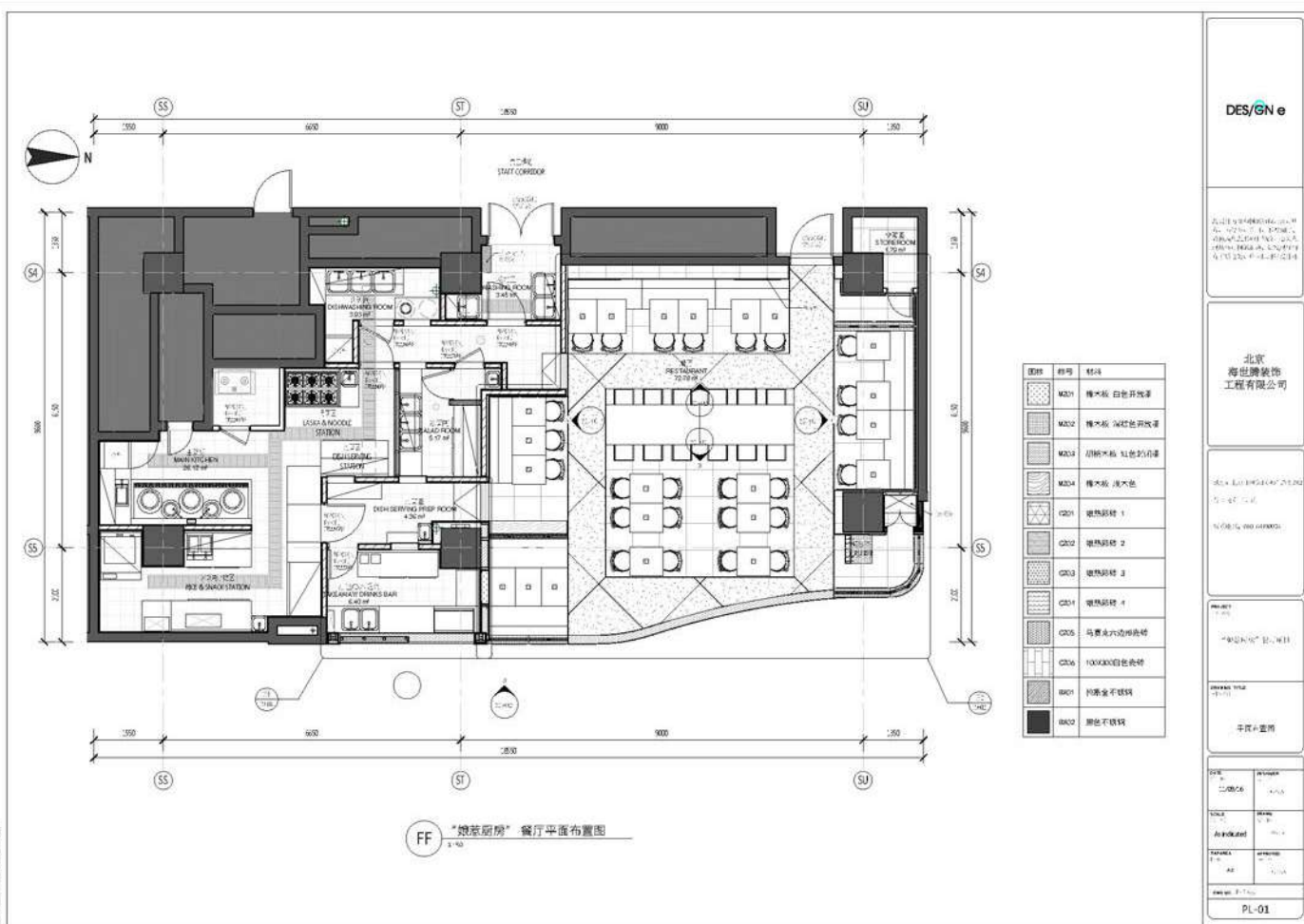
- Concept Design
- Schematic Design
- Design Development
- Construction Drawings
- Contract Administration

As the interior designer, I used Revit to develop all concept and schematic designs for the restaurant, which included multiple design options and accompanying computer renderings (created by participating in V-Ray's new Revit plug-in beta-testing program).

I produced the construction drawings and worked closely with the construction team on-site. I managed the tight construction budget and three-month schedule: coordinating materials, equipment, and furniture to be delivered in-step with construction milestones. I sought out and collaborated with vendors to create bespoke design features such as screens, millwork, and lighting. With the help of a project manager, we ensured that all required permits were approved at every stage.

Serving as the creative consultant, and partnering with the marketing consultant, I also managed the revamp of the Nyonya Kitchen brand and designed all their new marketing collateral.





The Freshest of Ingredients

最新鲜的食材

Malaysian food is naturally full of health-boosting spices and ingredients. **Lemon grass, galangal and lime** boost the body's immune system, while **cinnamon and chili** help restore your skin's natural glow. A bit of **tumeric** or **fennel** can be especially good for promoting digestive balance.

马来西亚美食使用的是自然香料和充满促进健康的食材。例如香茅、南姜和青柠檬能提高人体的免疫系统，而肉桂和辣椒帮助恢复皮肤的自然光泽。姜黄或茴香对促进消化平衡特别好。

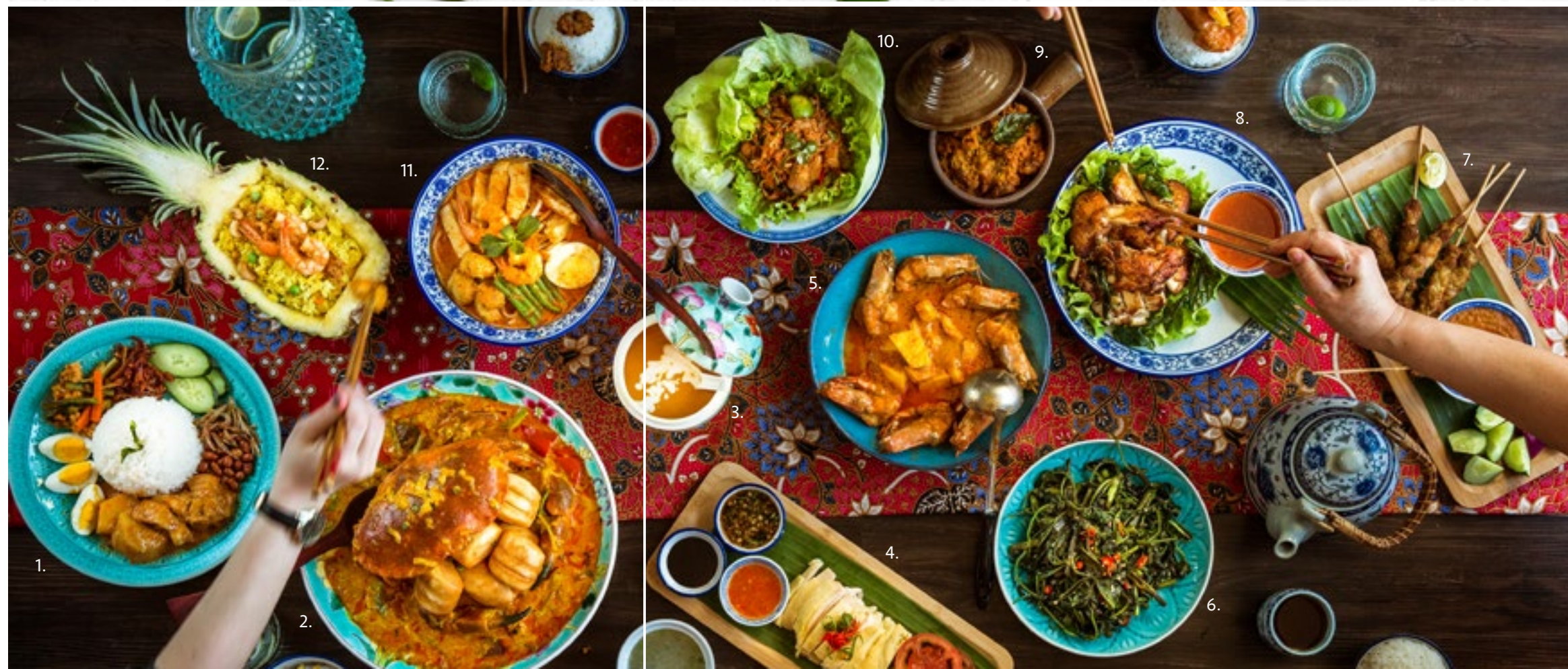


Our Favourites

厨师精选

A feast fit for sharing with friends
与朋友分享的盛宴

1. Nasi Lemak 椰浆饭
2. Golden Curry Crab 金宝咖喱蟹
3. Nyonya Kitchen Pumpkin Soup 娘惹厨房南瓜汤
4. Hainanese Chicken Rice 海南鸡饭
5. Pineapple Curry King Prawns 菠萝咖喱大虾
6. Sambal KangKong 马来风光
7. Chicken Satay 沙爹鸡肉串
8. Nyonya Roast Chicken 娘惹烧鸡
9. Beef Rendang 干咖喱牛肉
10. Spicy Tuna Lettuce Wraps 金枪鱼生菜包
11. Laksa 拉沙
12. Pineapple Seafood Fried Rice 菠萝海鲜炒饭





Nyonya Kitchen Pumpkin Soup
娘惹厨房南瓜汤

Herbal Black Chicken Soup
药材乌鸡汤

Bak-Kut-Teh
肉骨茶

Soups 汤

Bak-Kut-Teh 肉骨茶 48元

We used to drive 40 km to Port Klang just to eat Bak-Kut-Teh!
Main Ingredients: pork rib, tofu puff, Chinese medicinal herbs
为了吃一碗香喷喷的肉骨茶, 我们会开车40公里去巴生港口!
主要食材: 排骨、猪肉、豆腐泡、中药材、香料

Herbal Black Chicken Soup 草药乌鸡汤 32元

In times of stress, mother would serve this refreshing, body-strengthening soup.
Main Ingredients: black chicken, Chinese medicinal herbs, longan, goji berry
在压力大的时候, 母亲会端上这碗养身滋补汤。
主要食材: 乌鸡、山药、龙眼肉、枸杞子、党参、茯苓、黄芪

Nyonya Kitchen Pumpkin Soup 娘惹厨房南瓜汤 32元

Ping Ping's special recipe.
Main Ingredients: pumpkin, onion, turmeric, coconut milk
老板娘冰冰特色南瓜汤。
主要食材: 南瓜、洋葱、姜黄、椰奶



Chicken Satay
沙爹鸡肉串

Snacks 小吃

Satay (Chicken or Beef) 沙爹肉串 (鸡肉或牛肉) 38元
6 sticks 六串

A must-have at our big family gatherings!
Main ingredients: chicken or beef, satay spices, peanut sauce
一家人团聚不可缺少的小吃!
主要食材: 鸡肉或牛肉、沙爹香料、黄瓜、洋葱、沙爹花生酱

Inche Kabin (Boxer Chicken Drumlets) 娘惹炸鸡翅根 38元
6 pieces 六个

This is a typical Nyonya dish - crispy chicken with a special dipping sauce.
Main ingredients: chicken drumlets, chili, spices
这是一道典型的娘惹菜-脆皮鸡配上特制的蘸酱。
主要食材: 鸡翅根、辣椒、香料

Lobak (Fried Pork Roll) 香炸肉卷 36元

Growing up, we loved this hawker stall snack.
Ingredients: tofu skin, minced pork, water chestnut, carrot, wood ear fungus
我们小时候最爱的大排档小吃。
主要食材: 豆腐皮、肉末、荸荠、胡萝卜、木耳

Kueh Paiti 桂柏地 28元
6 pieces 六个

Bite-sized, pop-in-your-mouth Nyonya veggie cups.
Main ingredients: carrot, fried onion, peanuts, crispy pastry
这是娘惹菜中最有名的小吃之一, 做得精巧香脆!
主要食材: 杯形脆饼皮、沙葛、胡萝卜、炸小葱圈、花生

Nyonya Tofu 娘惹炸豆腐 28元

Main ingredients: tofu, fish, prawn, mushroom, carrot, wood ear fungus
主要食材: 鱼、虾、蘑菇、胡萝卜、木耳

Curry Puff 咖喱角 12元
per pastry 一个

If Malaysia had a national snack, this would be it.
Ingredients: chicken, potato, curry spices, puff pastry
马来西亚著名小吃。
主要食材: 鸡肉、土豆、咖喱香料



Kueh Paiti
桂柏地

Inche Kabin
娘惹炸鸡



FRESH MALAYSIAN FAVOURITES
马来西亚营养美食

MENU COVER



BUSINESS CARD

娘惹厨房国贸
北京市朝阳区
建国门外大街1号院17号楼
国贸商城 3期BS 北区五层NL5008
(国贸地铁站E2口)

NYONYA KITCHEN GUO MAO
China World Mall 3BS North, Level 5 NL5008
JianGuoMenWai Dajie Courtyard 1, Building 17
Beijing, Chaoyang District
(Guo Mao subway stop, exit E2)

Phone | 电话 8415 0863
北京客百雅餐饮管理有限公司



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FRESH MALAYSIAN FAVOURITES
马来西亚营养美食

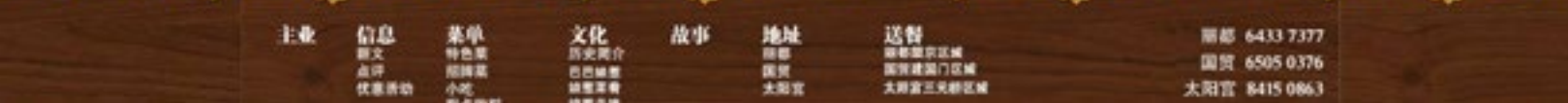
POSTER | FLYER



LUNCHBOX SLEEVE









MCALLISTER ALCOCK ARCHITECTS | STUDENT ARCHITECT

AIRLIE BANK LANE

Built on the disused tennis court of the historical Victoria Police Academy, Airlie Bank Lane is defined by two three-story screens that reference the silhouettes of now gone tennis nets. The screens filter the views in and out of the apartments to provide a frame for climbing plants, filtering the sunshine into the interiors and creating peaceful and private spaces with soft dappled light.

PHASES INVOLVED |

- Concept Design
- Schematic Design

Working with both principals, I was involved at the beginning stages of the project and aided with the initial architectural plans. I also attended the Victoria Civil & Administrative Tribunal (VCAT) hearing regarding a dispute raised by neighboring tenants.





ELWOOD TOWNHOUSES

These four townhouses were designed to complement the area's many marine-inspired apartments. The floor plans were manipulated to capture the northern sun and maximize cross ventilation, to minimize the need for air conditioning and artificial lighting, as brightly colored spiral stairs rise through central courtyards to open roof decks.

The varied palette of renders and timber have since aged to a patina, and the landscape has established to create a soft halo to the buildings. Both of these features help the townhouses knit into their street and feel part of the Elwood community.

This project was developed by a longstanding Elwood resident, and all of the project team either worked in Elwood or lived in or near Elwood. This is reflected in the delicate and authentic final result which has a strong sense of craft.

PHASES INVOLVED |

- Schematic Design
- Design Development
- Construction Drawing

I assisted the principal, Karen Alcock, with architectural drawing support particularly on Town Planning and Tender drawings. I also helped with the marketing and real estate drawings for the sales consultant.





HARPER LANE

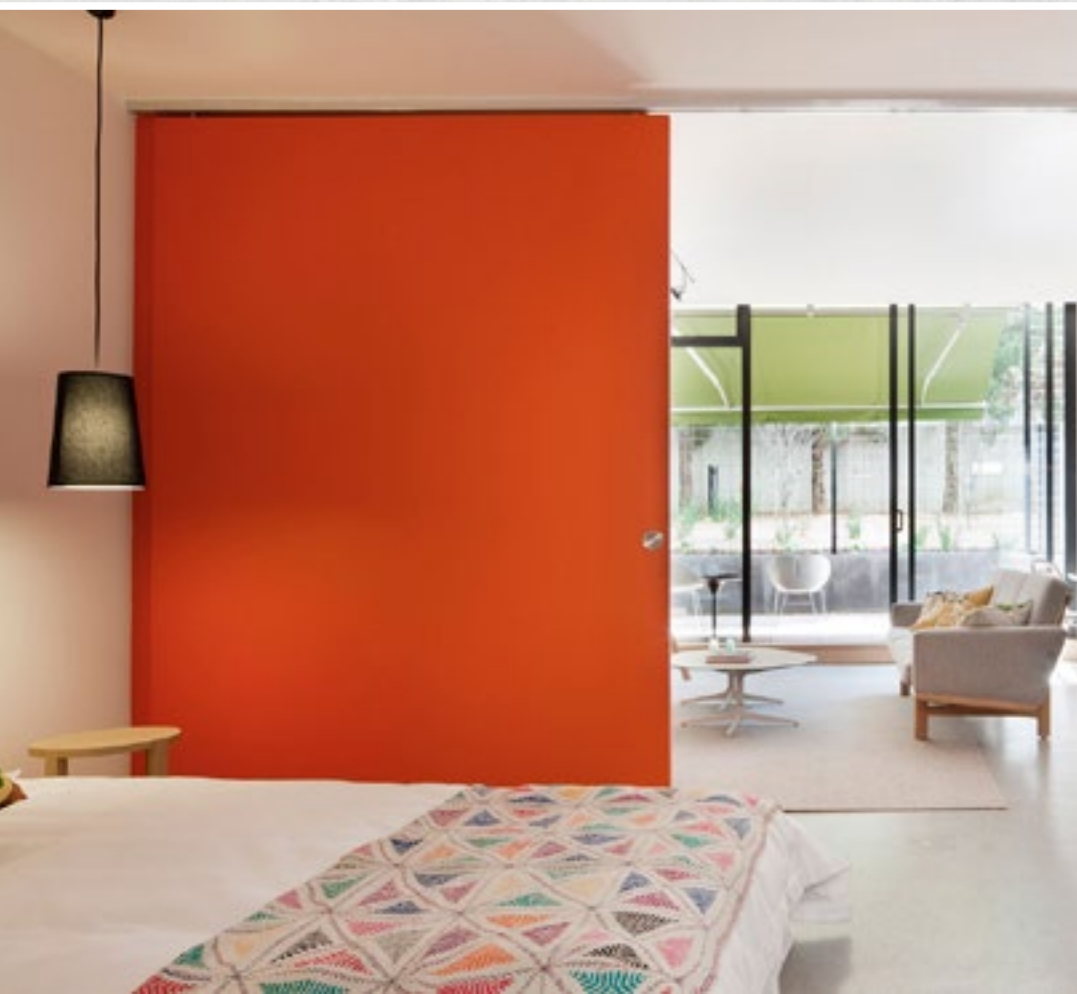
Harper Lane takes its name from the new laneway that links the apartment entries to Inkerman Street. This new lane is activated at the street level by a small café, and provides access to the apartment entries and the communal garden.

The buildings were designed to be taller but with a smaller footprint. This reduced the impact on the adjoining sites and provided a generous north-facing communal garden. The units feature generous ceiling heights, cross ventilation, and either a northern aspect or a view to the lane.

PHASES INVOLVED |

- Schematic Design
- Design Development
- Construction Drawings

I helped both the principal and graduate architect on the project with architectural drawing support and built a presentation model for the project.







M.ARCH THESIS | AUSTRALIAN PAVILION AT THE VENICE BIENNALE

AUSTRALIAN PAVILION AT THE VENICE BIENNALE

BRIEF | To redesign the Australian Pavilion at the Venice Biennale through a personal investigation of one's "ubi consistam" — a place to belong.

DESIGN TEAM | Chris Loh

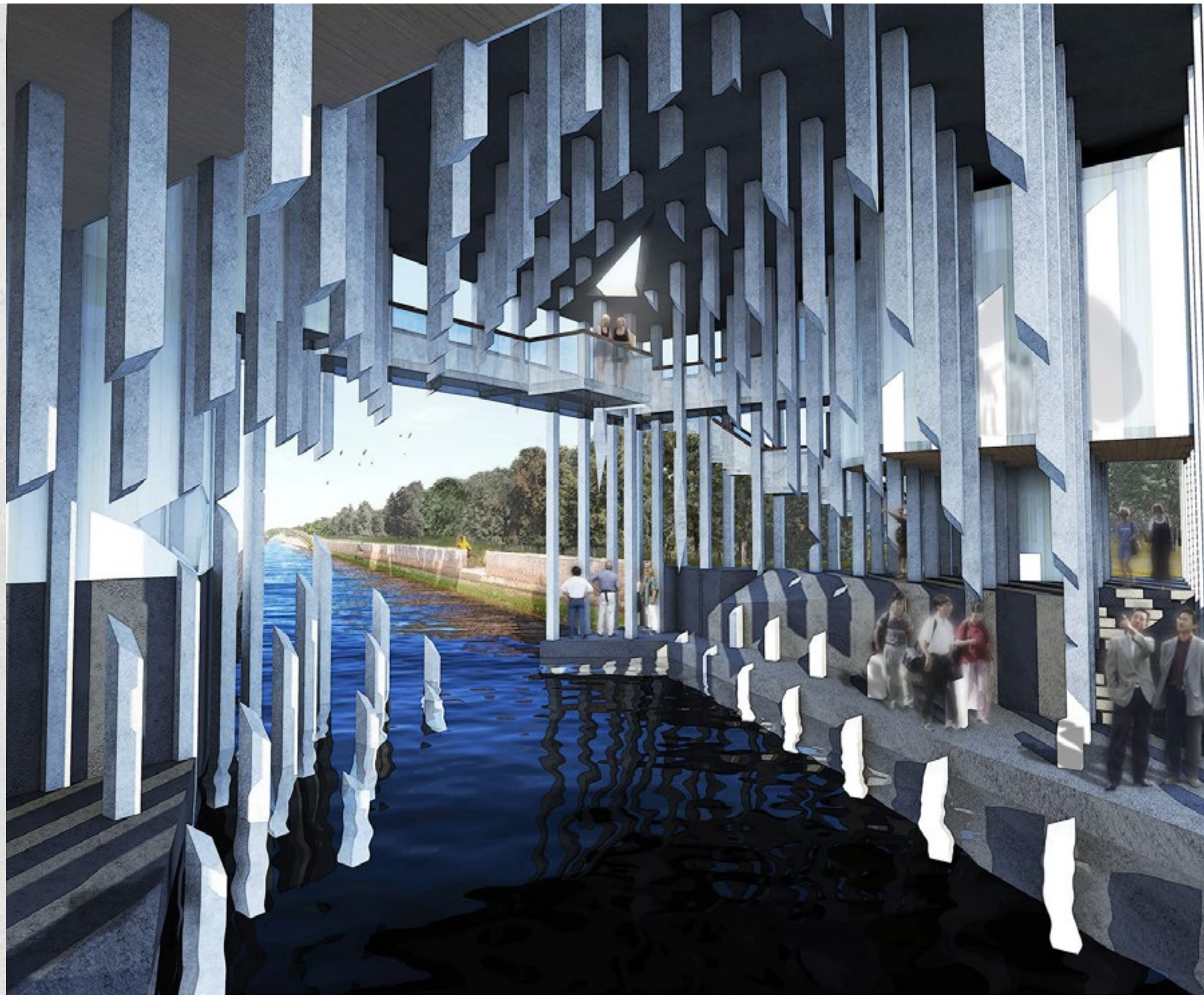
LOCATION | Venice, Italy

PROJECT TYPE | Cultural

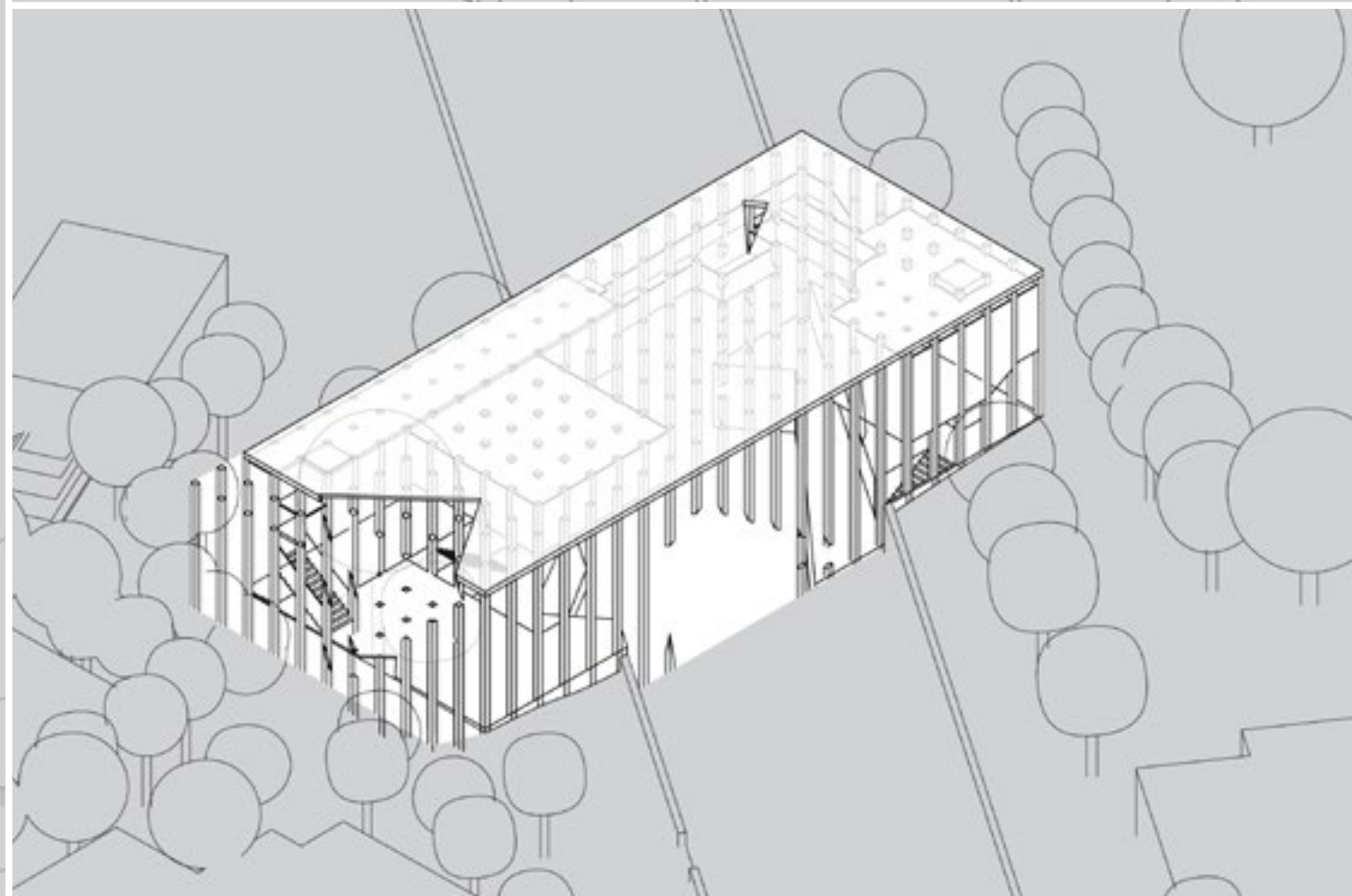
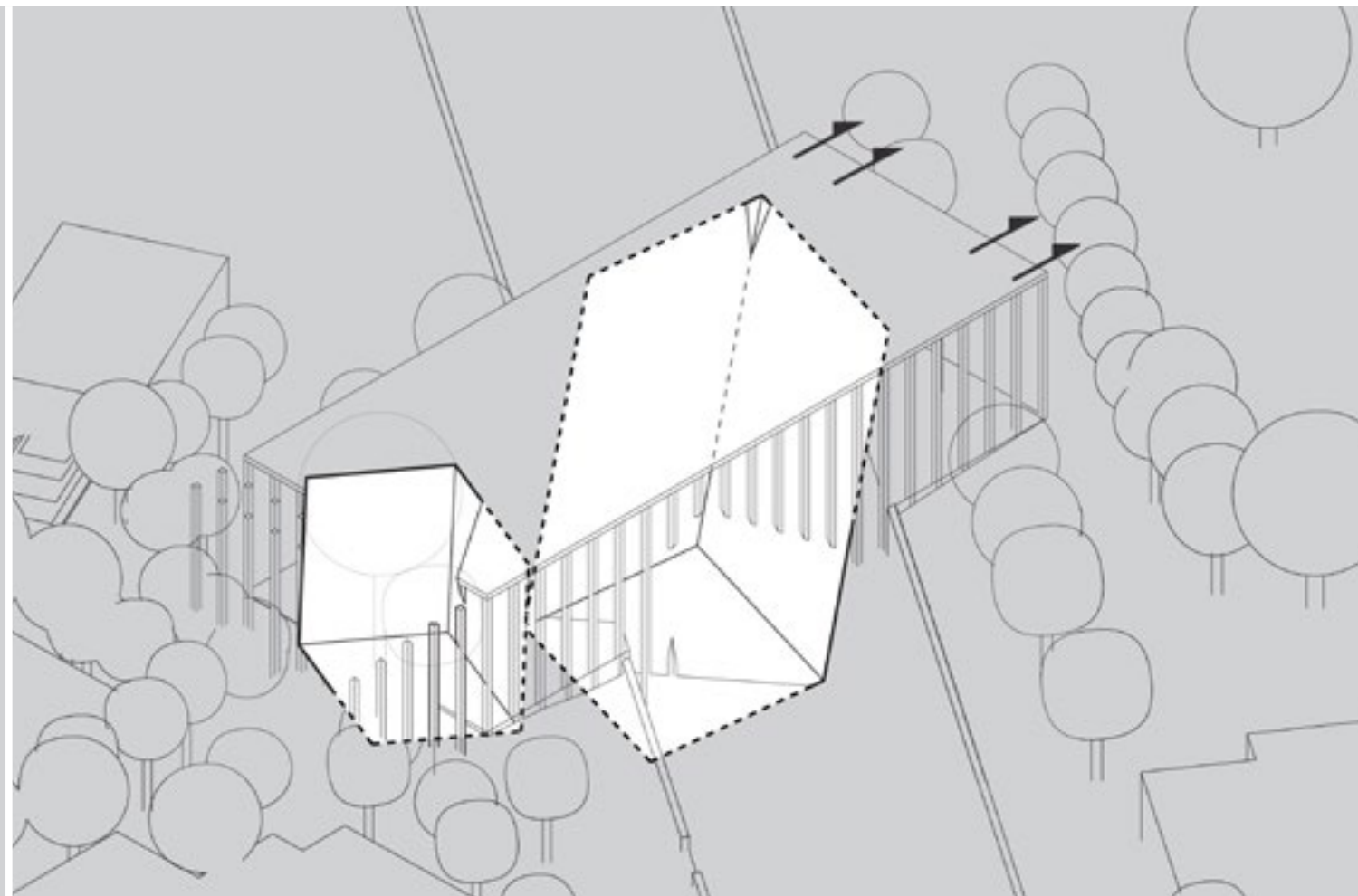
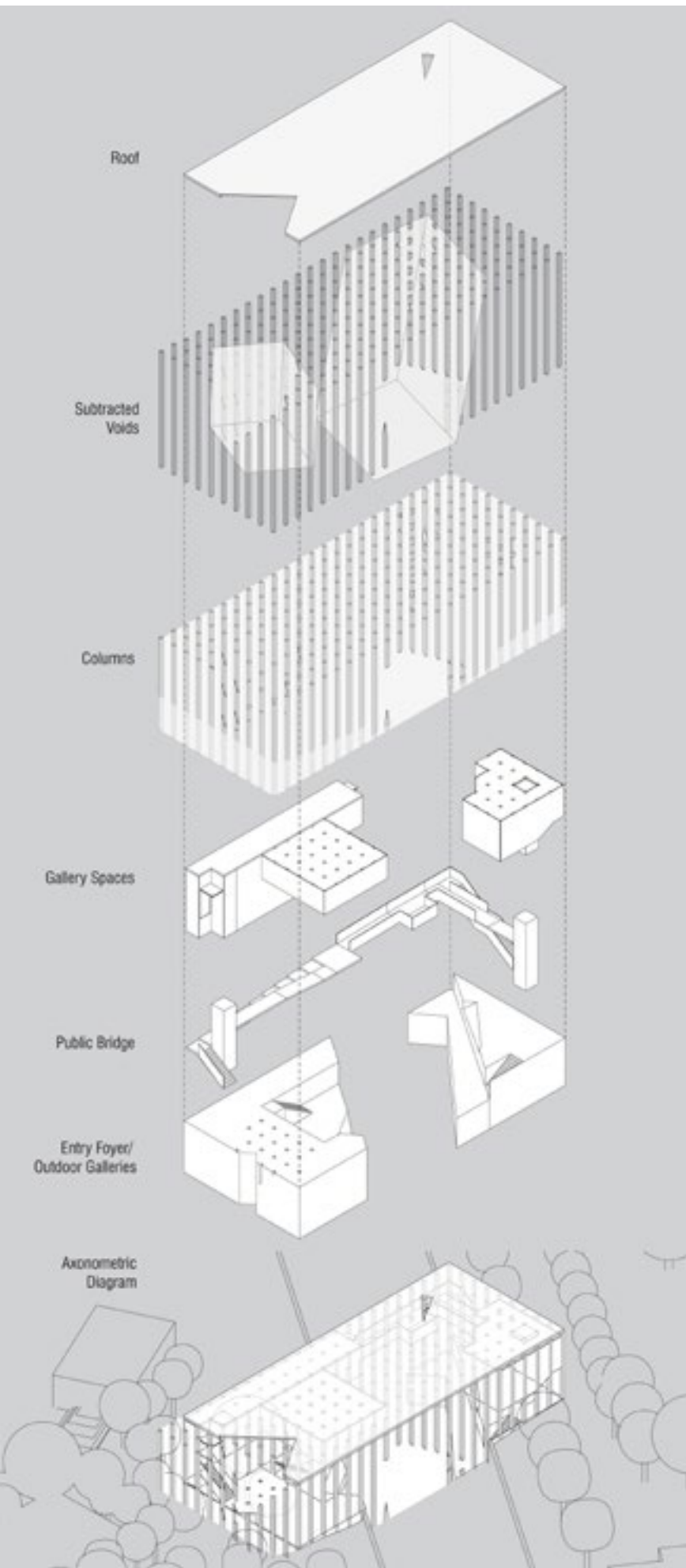
PURPOSE | M.Arch Thesis

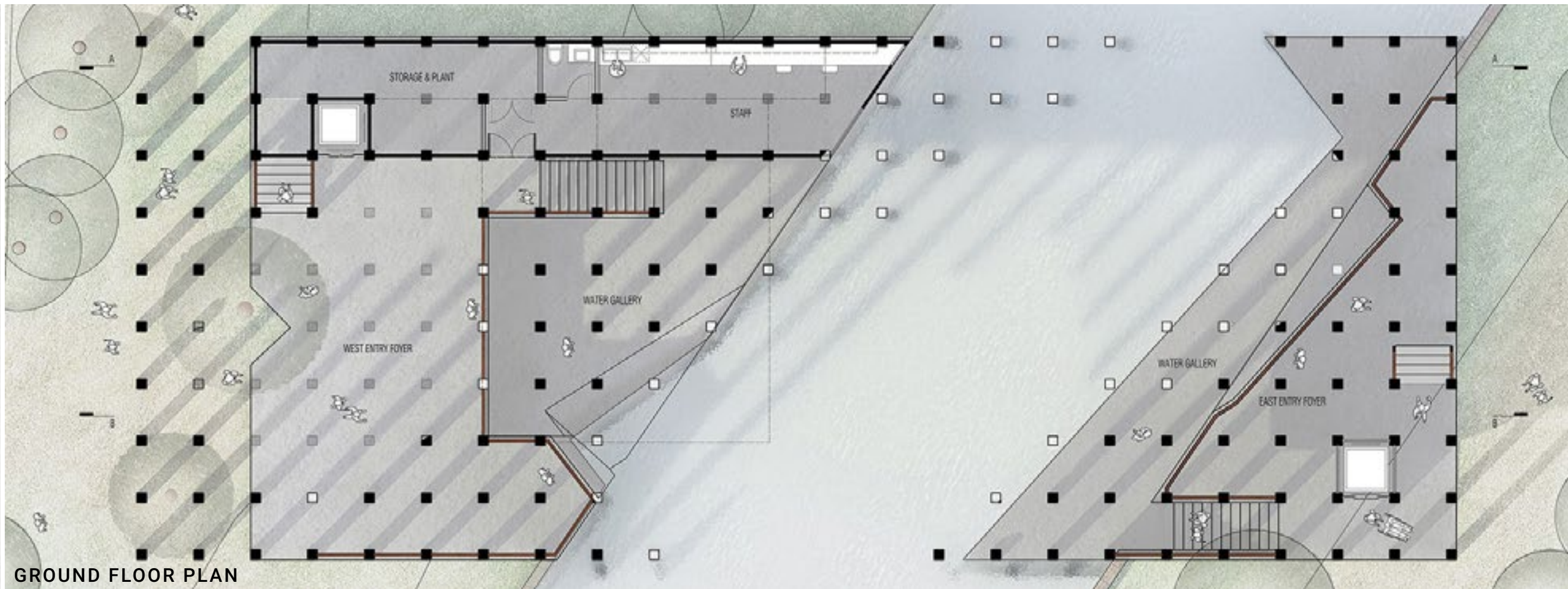
This proposal explores the curious relationship between space and absence. The intention here was for a sculptural space that created both a literal and conceptual experience of being *connected through absence*. The pavilion is designed both as a gallery and a bridge that connects the east and west banks of the canal. The bridge circulates around the private gallery spaces, allowing public access when the pavilion is closed to exhibitions.

Absence, related to memory, expectation, and hope, cannot be visualized; it is formed in the mind by traces left behind or by frames that draw attention to its supposed existence. Columns arranged in a rectangular grid were chosen as the sculptural language, creating a simple and recognizable form. The space in between binds them together; it is as important as the columns themselves. A break in the structural element draws attention to the missing piece: seen as a whole, the void that has been removed presents itself.

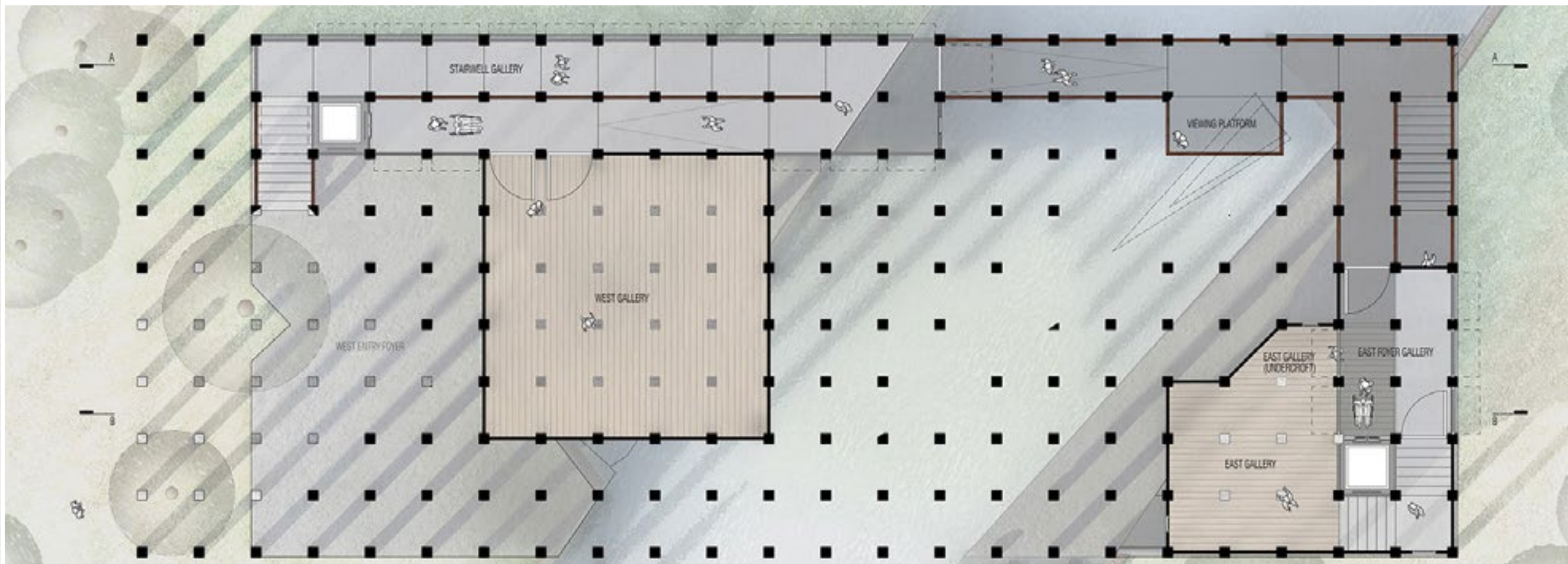








GROUND FLOOR PLAN



UPPER FLOOR PLAN





M.ARCH STUDIO | SKINS 2010 CEILING INSTALLATION

SKINS 2010 CEILING INSTALLATION

BRIEF | To design and fabricate a ceiling installation in the foyer of the Faculty of Architecture, Building and Planning at the University of Melbourne.

DESIGN TEAM |

Chris Loh, Rachel Jones, Alex Wong, Nicole Teh

FABRICATION TEAM | SKINS 2010 Studio Class

LOCATION | Melbourne, Australia

PROJECT TYPE | Installation

STATUS | Completed, 2010

PURPOSE | M.Arch Design Studio B

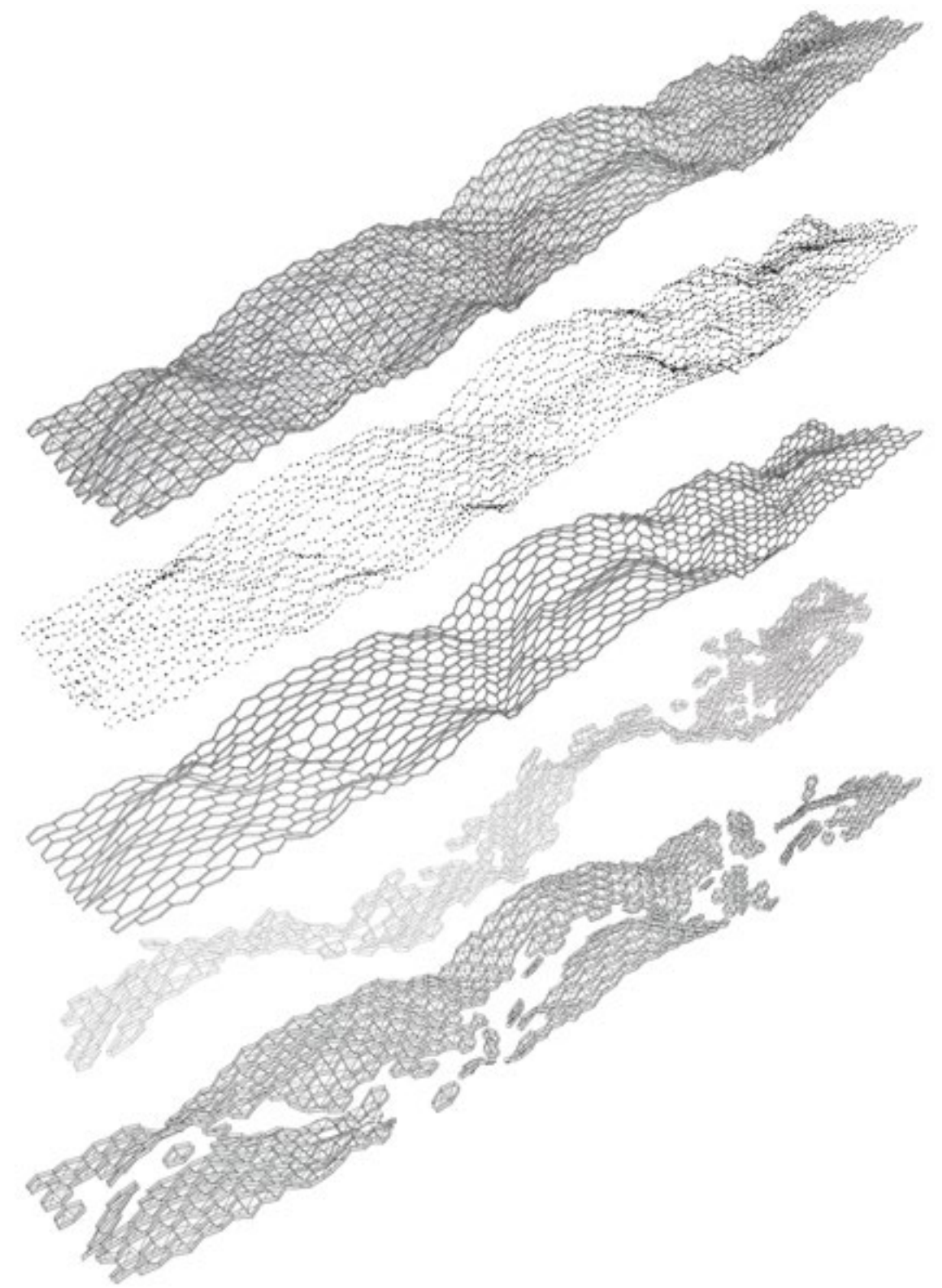
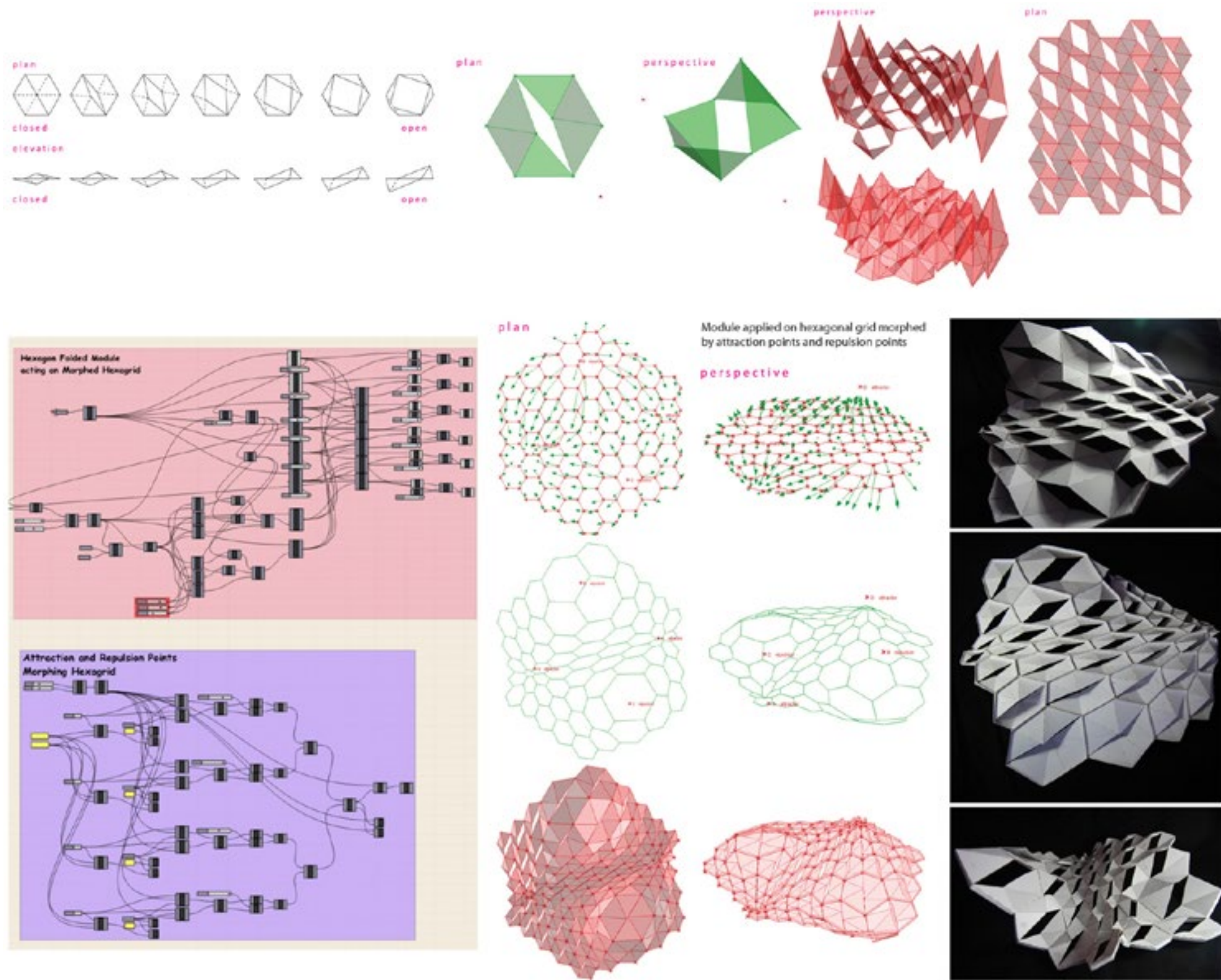
This design-build installation explored the shifting relationship between permeability, perspective and movement. As one passed through the concourse, the ceiling gradually opened and closed in relation to the viewer. The overall form is a record of activity based on studies of stationary and moving bodies within the concourse. The most intense gathering spaces created peaks in the undulating surface, while circulation paths carved between these spaces form troughs.

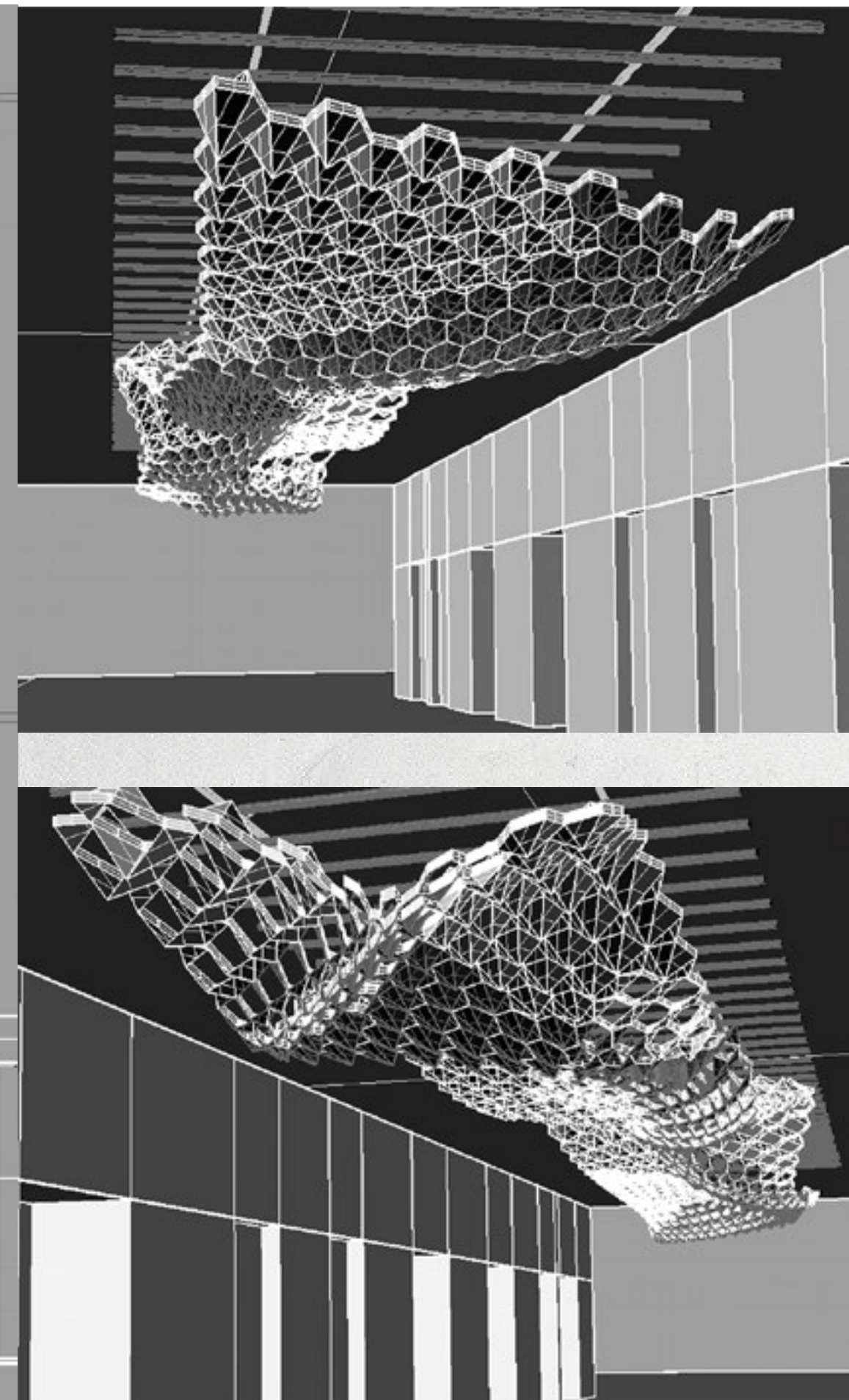
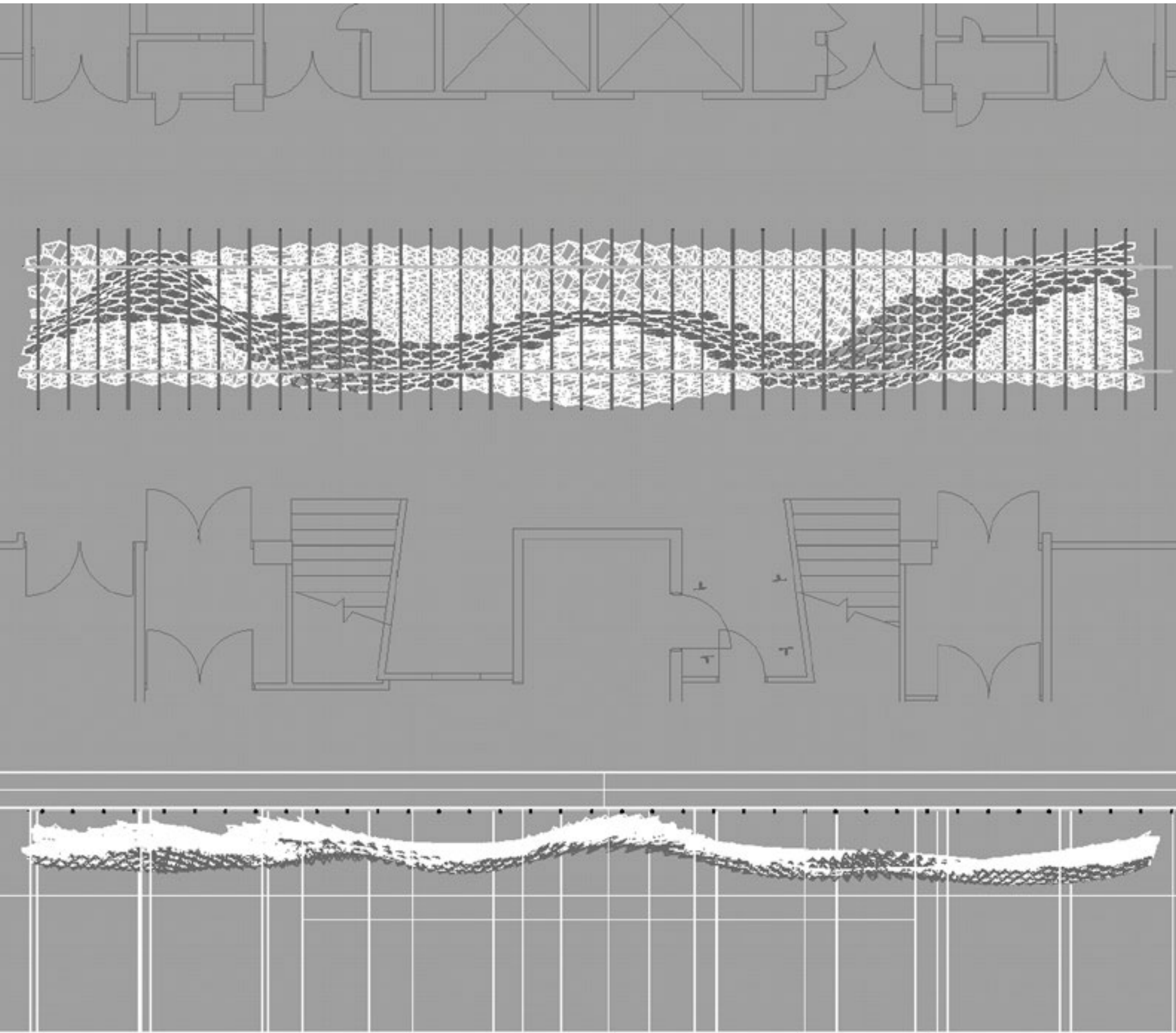
The construction of the installation required 4600 minutes of laser cutting, 378 hours of pre-fabrication, and 3 days of on-site construction with 2 forklifts. 300 sheets of white and translucent polypropylene were used with 16712 steel eyelets and 200 meters of stainless-steel cable. The result was a series of 784 unique modules, 341 white and 443 translucent forms.

The semester was divided into two halves. The first six weeks of the studio was a design competition. Split into four teams, we were tasked to design a ceiling installation that utilized parametric generative algorithms and fabrication methods. Our team created the winning design.

In the second half of the semester, we managed and facilitated the construction of the installation. Each team was responsible for building a quarter of the design, taking shifts with the laser-cutters at the faculty Fabrication Lab. The entire studio worked together over a 3-day weekend to install the final piece.









SKINS 2010 | CONSTRUCTION DETAILS

MODULES AND SYSTEM

Overall Size	2900 X 19000
No. of Modules	660
Smallest Module	W 187mm
Largest Module	W 784mm

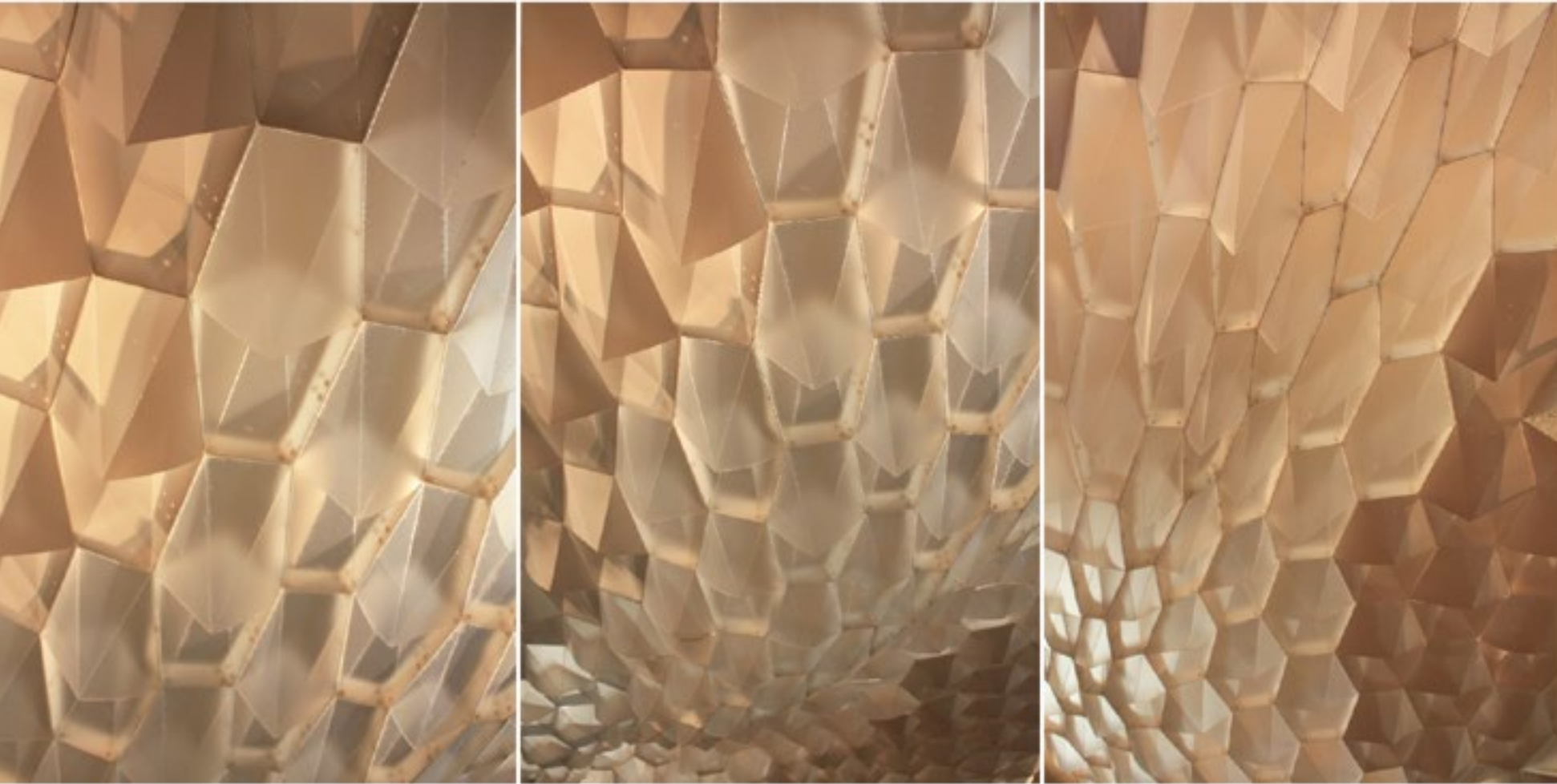
SCHEDULING

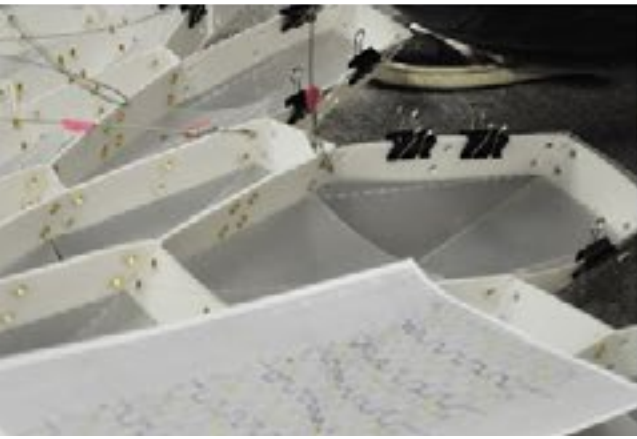
Laser-cutting	4,600mins (3 days)
Pre-fabrication	3 weeks
Installation	3 days

MATERIALS

Polypropylene	300 sheets (900 X 600)
Eyelets	16,327
Mountboard	12 sheets (A1)
Wire Rope	192m









THREEOFIVE STUDIOS

THREEOFIVE STUDIOS**TEAM |**

Chris Loh, Samson Tiew, Beatrice Toh, Adelle Tan, Rodelle Lee, Matthew Tam, & Samuel Liew

COMPANY ROLE |

Founder & Director, Chief Financial Officer, Designer & Manufacturer

LOCATION | Melbourne, Australia

PROJECT TYPE | Product Design

STATUS | Sold/ Closed

In 2009, my friends and I founded the company Threeofive Pty Ltd, specializing in laser-cutting services and products. The studio aimed to explore the relationship between craft, technology, design, and culture, and its subsequent impact on identity and lifestyle. Composed of two brands, Labthreeofive was the design arm of the company and produced a vast array of laser-cut products, custom designs, and installations. Makethreeofive was the service arm of the company, offering small-scale laser-cutting services to artists and designers in Melbourne.

As a team we worked closely in all design projects, including in-house products, custom designs, and commissioned work. We took shifts with laser-cutting and manufacturing.

As the Chief Financial Officer, I was in charge of bookkeeping, payments, and payroll. I worked with a hired accountant and managed tax reports and payments for the company.

After a rebrand as The Make Lab, the company has now been absorbed into the dynamic, interdisciplinary architecture firm, One Design Office (ODO).



Free shipping till end of March+

We are Back!
with new products

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LABTHREEOFIVE IS THE STORY OF SEVEN UNIQUE INDIVIDUALS UNITED BY A COLLECTIVE VISION OF A BETTER TOMORROW. WE SEEK TO ANSWER HUMANITY'S SILENT CRY WITH LIFE-IMPROVING AGENTS. THEIR FORMS MAY BE VARIED BUT THEIR MISSION IS THE SAME: TO ATTACH ITSELF TO MEMBERS OF THE HUMAN SPECIES, WITH THE SOLE PURPOSE OF AWAKENING THE TRUE-SELF OF THE INDIVIDUAL.

THE ORIGINS OF LABTHREEOFIVE ARE A LITTLE HAZY, AND ITS HISTORY LEFT UNRECORDED, BUT THE IDEALS THAT LABTHREEOFIVE WAS FOUNDED UPON STILL SURGE THROUGH THE VEINS OF ITS CURRENT SUCCESSORS - TO RESHAPEN THE MORNS OF SOCIETY AND TO CULTIVATE AN INSPIRED AND FUN-LOVING CULTURE AS INSPIRED BY THE ULTIMATE DESIGNER.

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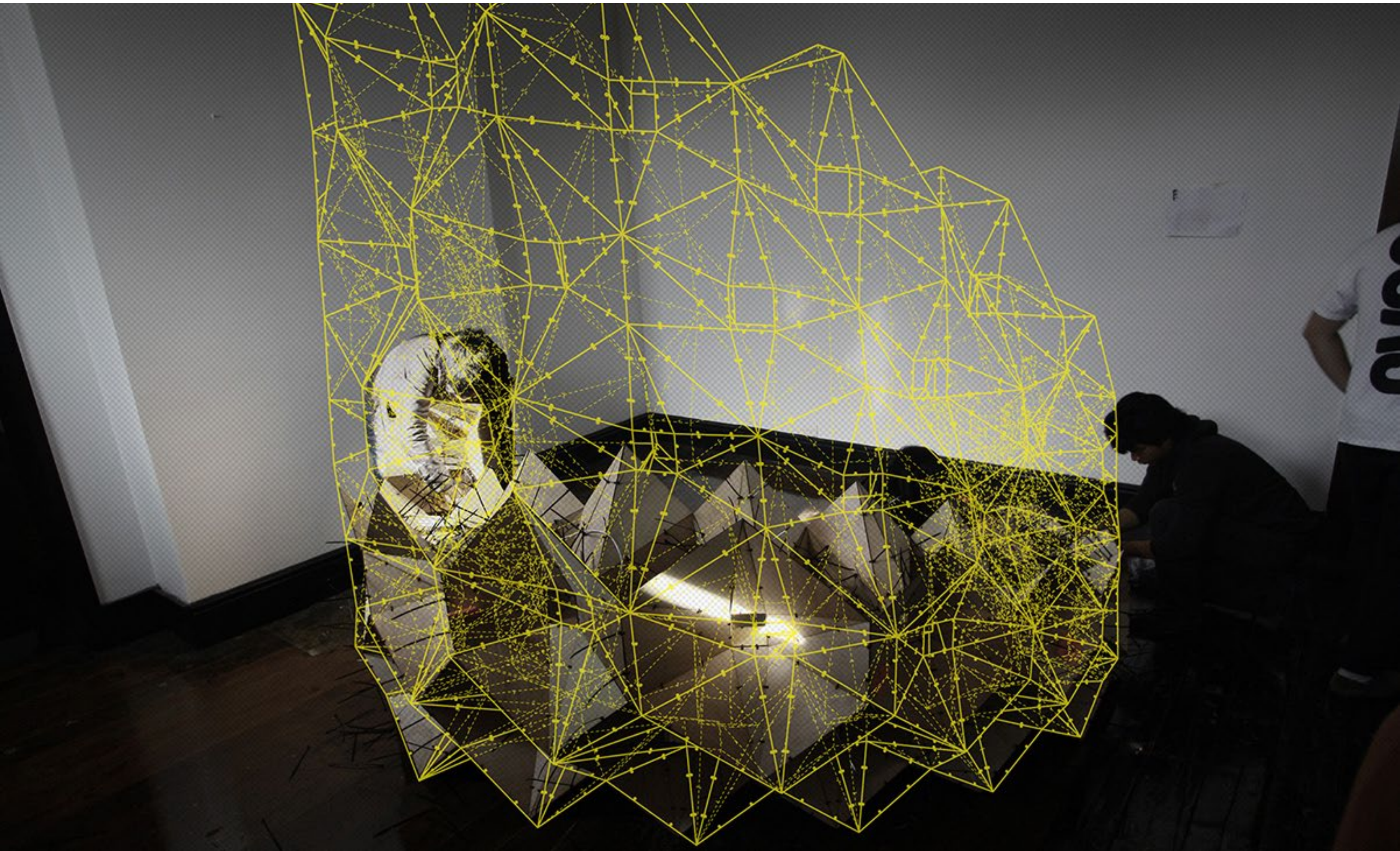


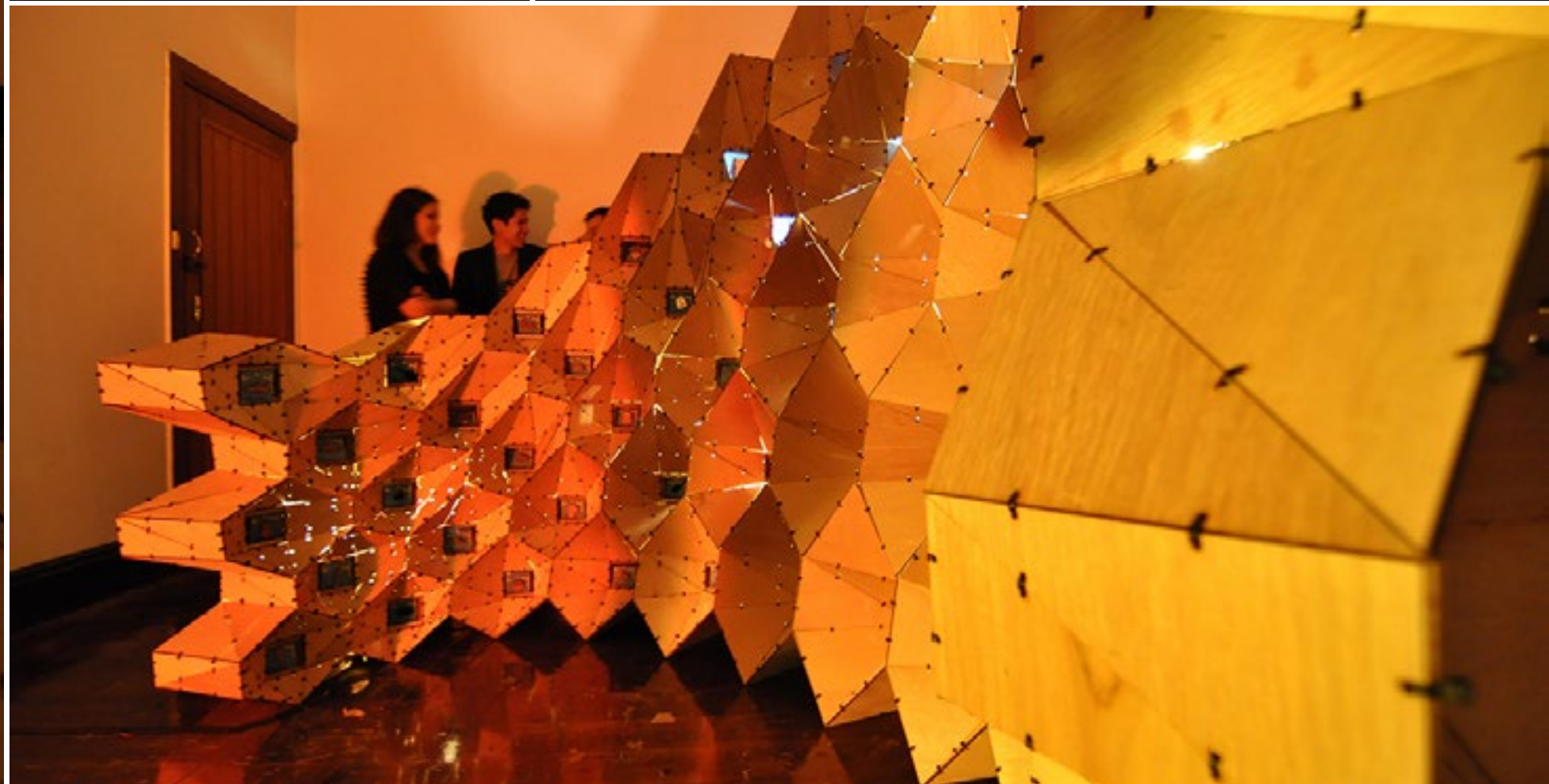
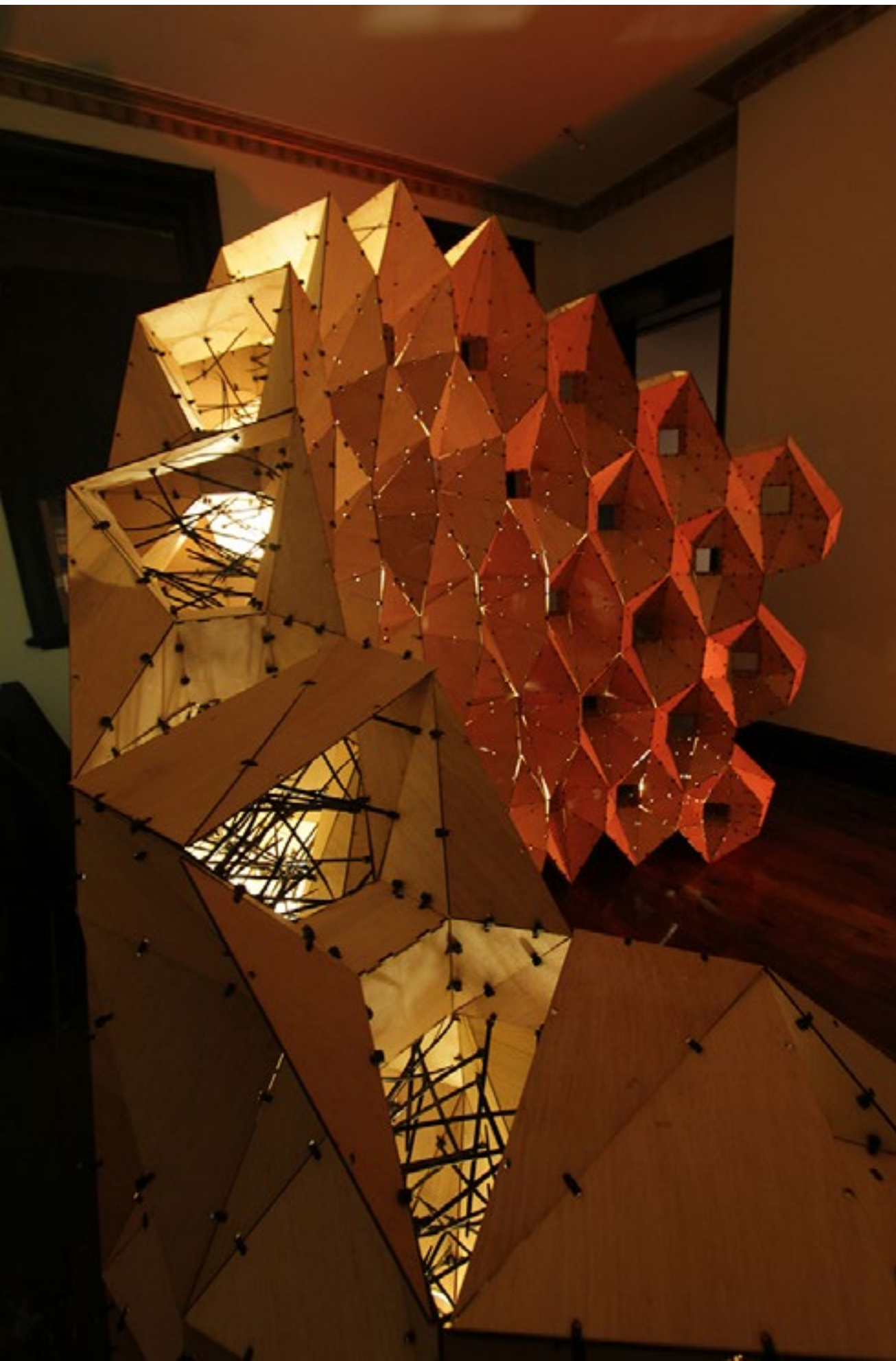
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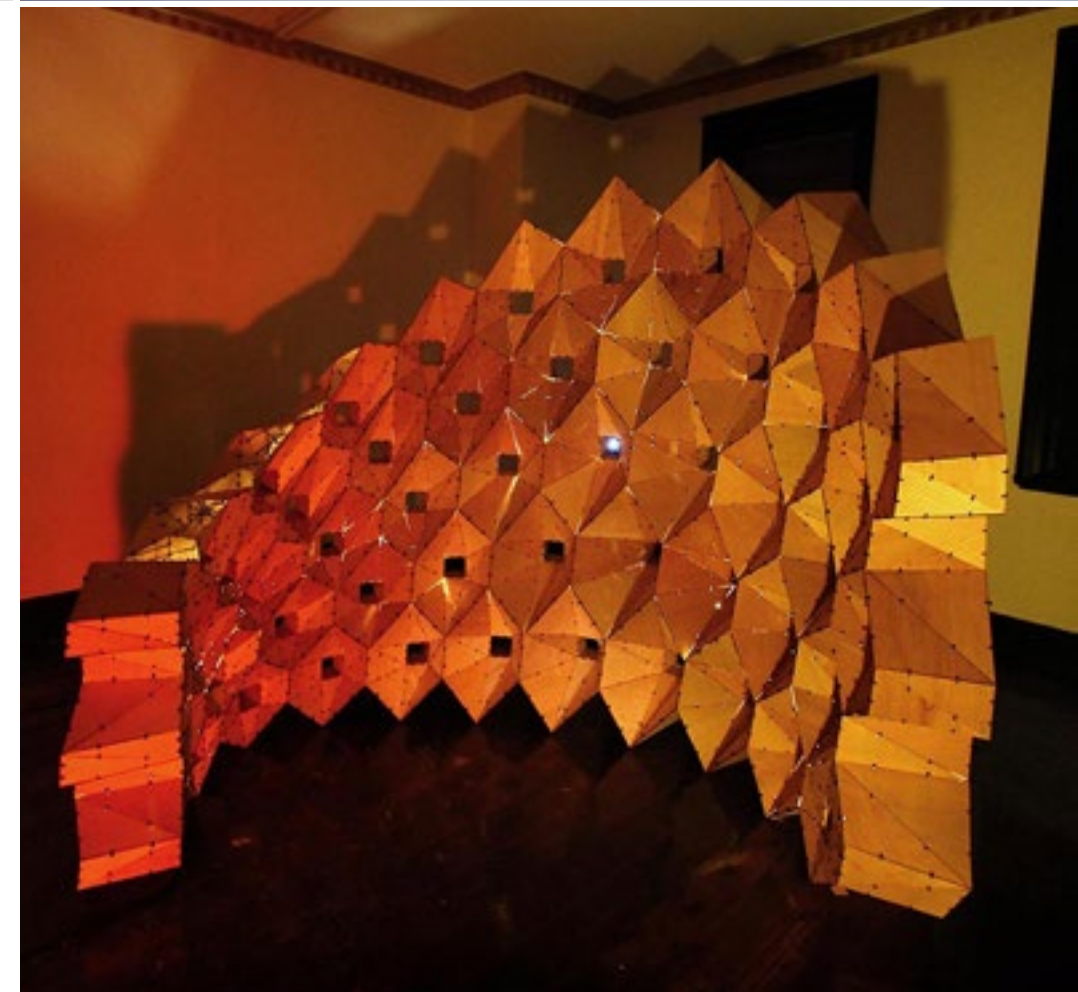
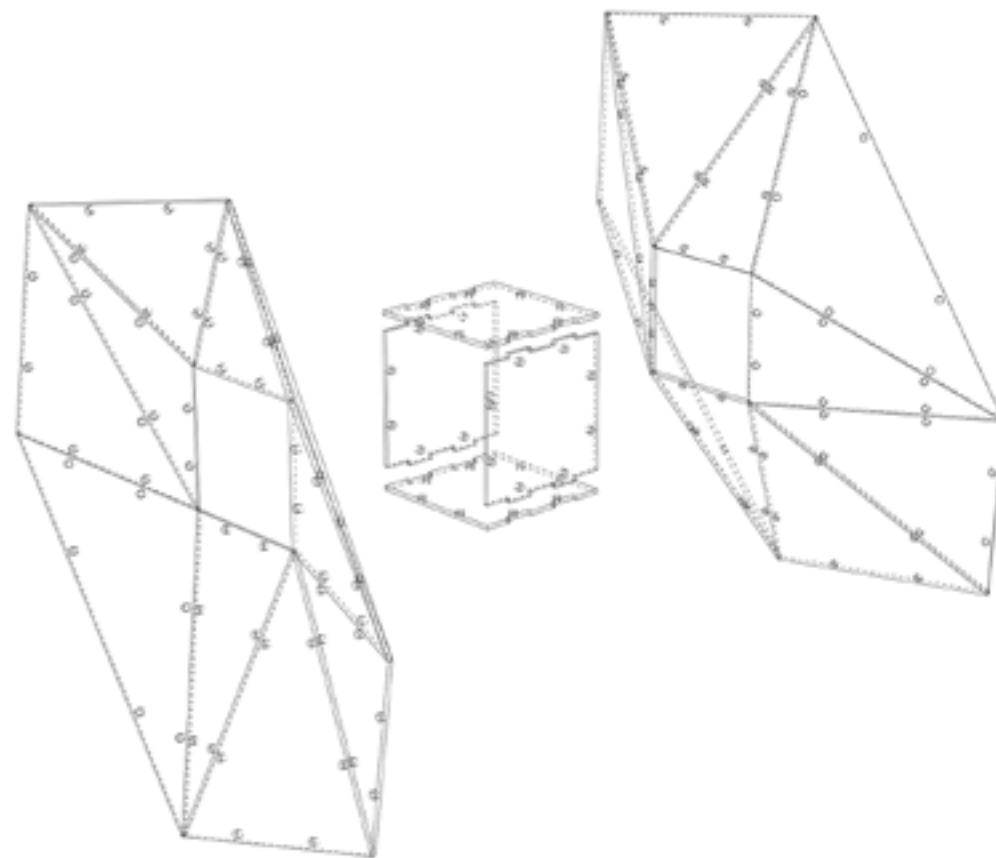
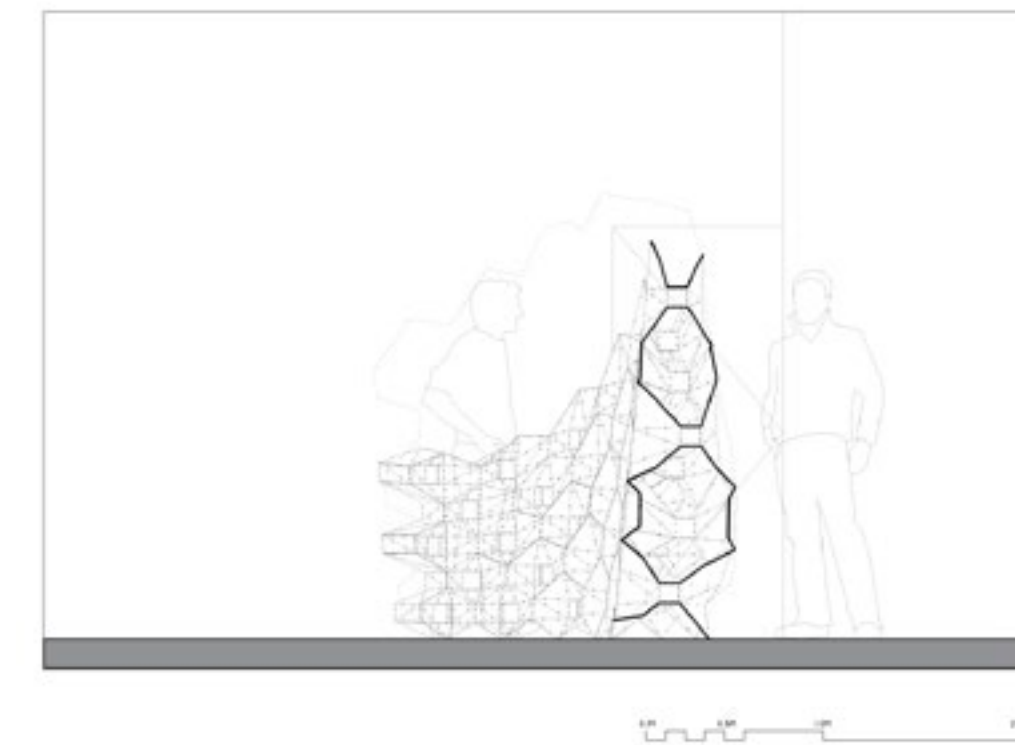
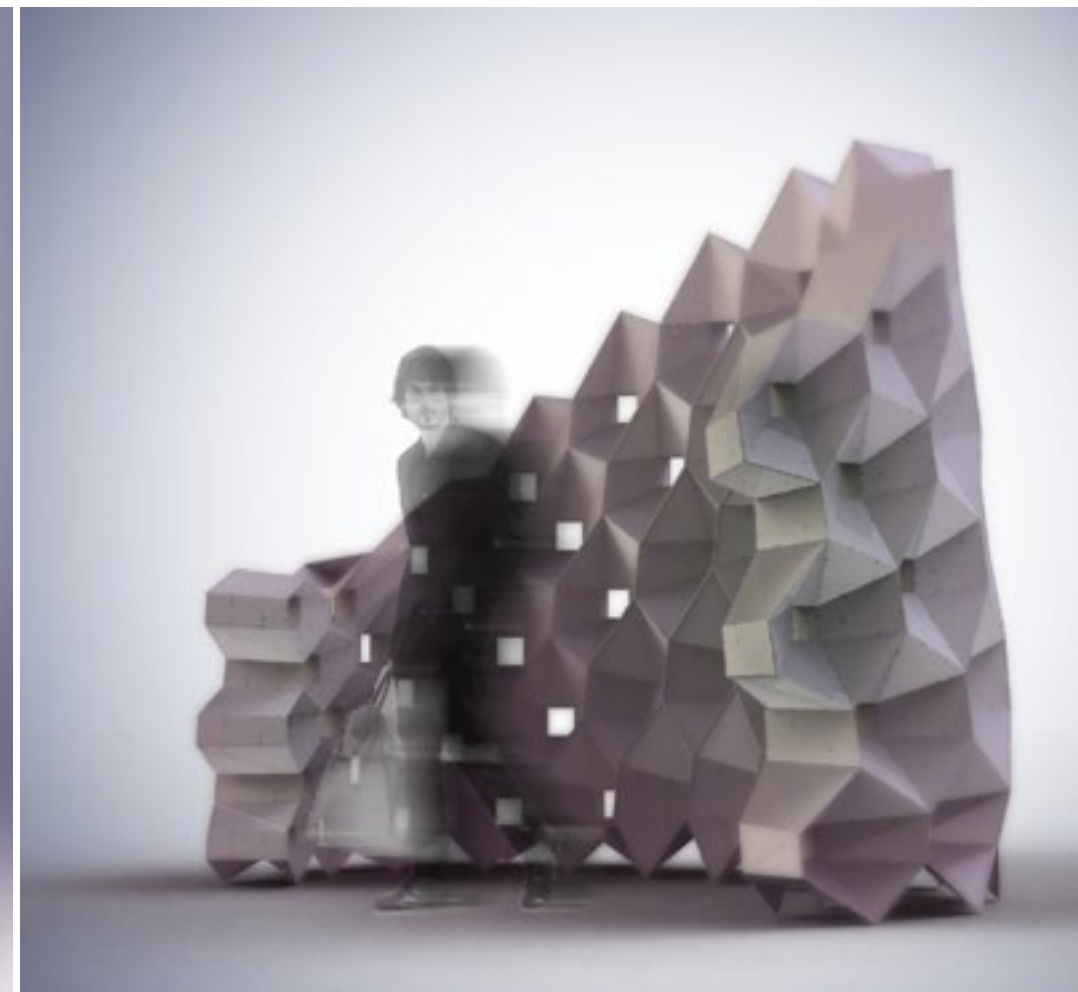
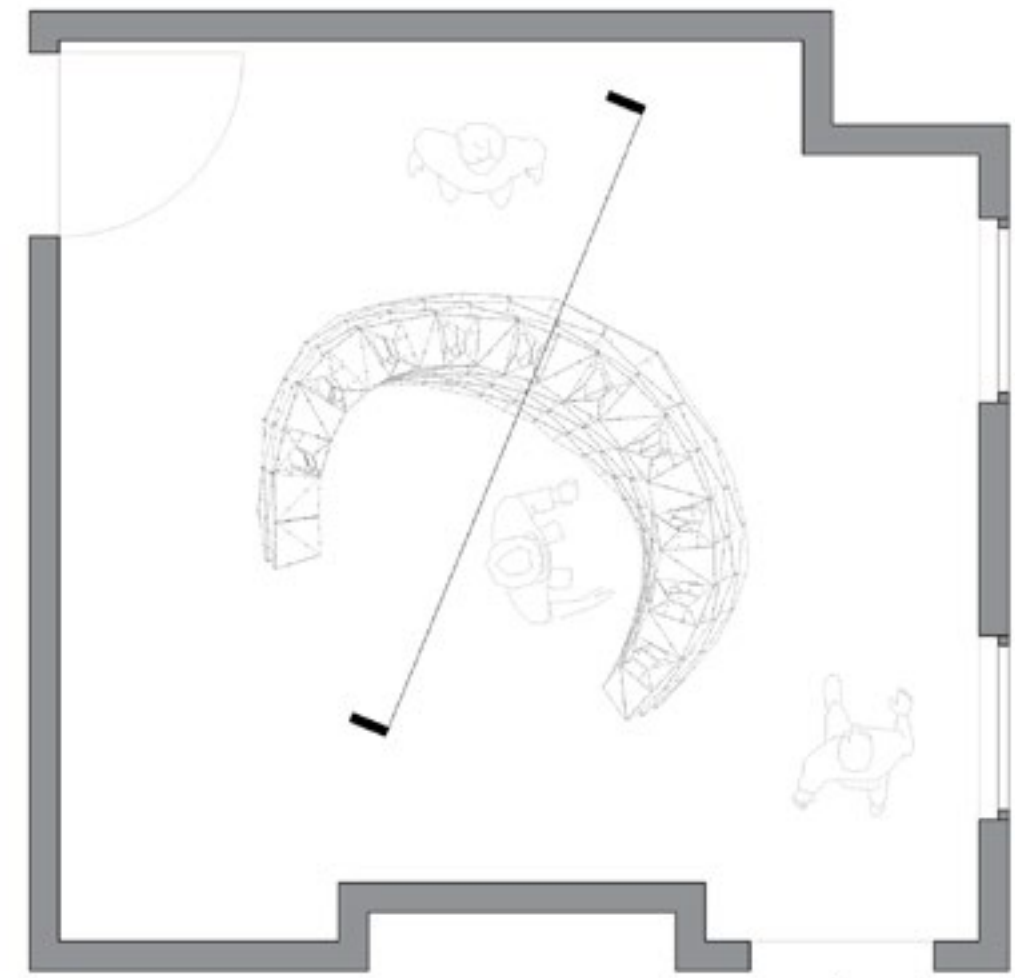
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CHRIS LOH

CONTACT
chris.loh.studios
@gmail.com
(205) 826-9074

