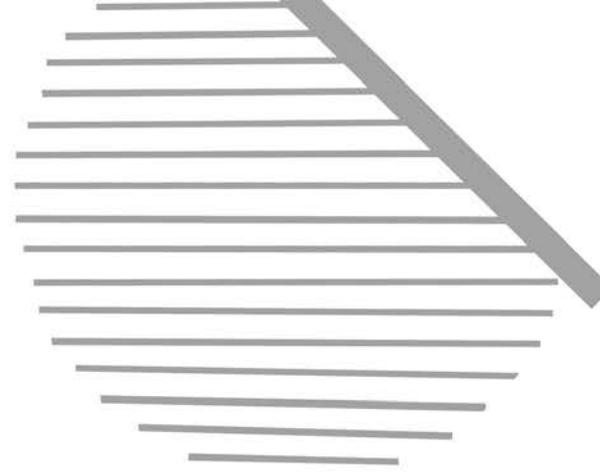
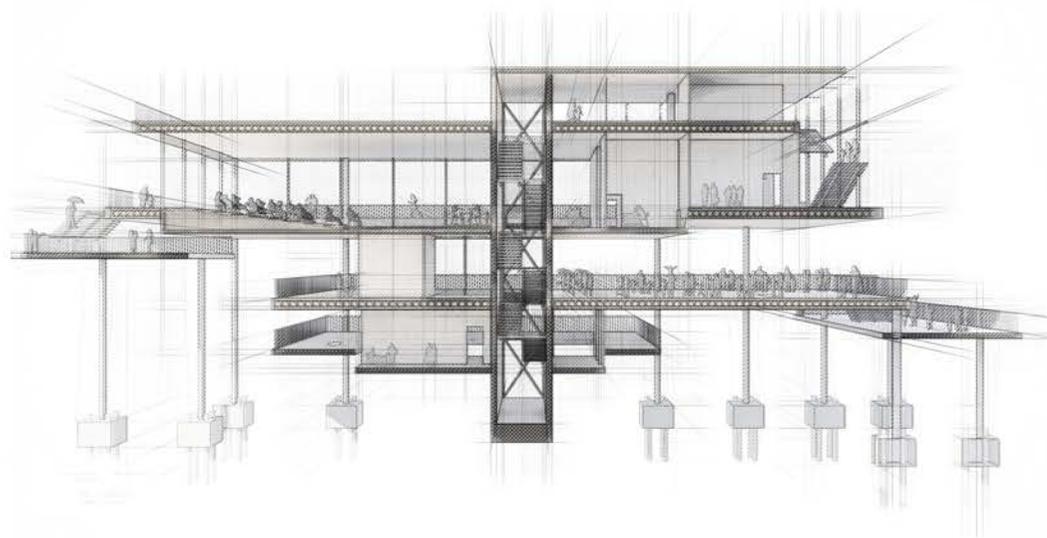
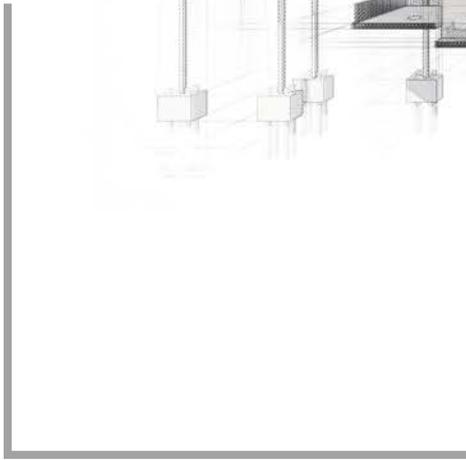




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# PORT FOLIO

Architecture Design





# CHRIS, KWUN KUEN LAM

ARCHITECTURAL ASSISTANT

## INFO

PHONE  
+852 5533 4104

EMAIL  
kuenlam9326@gmail.com

## SKILLS

Vectorworks  
● ● ● ● ● ●

Adobe Photoshop  
● ● ● ● ● ●

SketchUp  
● ● ● ● ● ●

Microsoft Office  
● ● ●

Enscape  
● ● ●

Autodesk Revit  
● ●

Adobe Illustrator  
● ●

Adobe Indesign  
● ●

Autodesk AutoCAD  
● ●

Autodesk 3ds Max  
● ●

## LANGUAGES

Cantonese  
● ● ● ● ● ●

Mandarin  
● ● ● ● ● ●

English  
● ● ●

## PROFILE

Being an architect had become my dream and I hope someday my works and designs could contribute to the society. I am creative and analytical thinker, not just capable of working independently and also to contributing to team work and share ideas with my team. I have a positive mind. I like challenges and I believe "if it's to be, it's up to me!"

## EMPLOYMENT HISTORY

**Architectural Assistant, Stidio Zhai Ltd.** **Hong Kong**  
Oct 2016 - Sep 2019

**Full time Interior Designer, Design Information Centre Ltd.** **Hong Kong**  
Jul 2016 - Oct 2016

**Part time sales, I.T APPARELS LTD** **Hong Kong**  
Mar 2016 - May 2016

**Part Time Clerk, SUNSHINE MOBILE INTERNATIONAL Ltd** **Hong Kong**  
Jun 2014 - Aug 2015

## EDUCATION

**Architecture/Architecture (International)** **United Kingdom**  
**(RIBA Part 1) BA(Hons), University of Huddersfield**  
Sep 2019 - Aug 2020

**Higher Diploma in Architectural Studies,** **Hong Kong**  
**HKU Space Community College**  
Sep 2014 - Aug 2016

**Kei To Secondary School** **Hong Kong**  
Sep 2007 - Aug 2014

## COURSES

**BIM Revit for Architecture and Engineering.,**  
**Hong Kong Interior Design and Architecture Institute**  
Jul 2019 - Aug 2019

**AVAILABILITY** **Immediate**

# Table of Contents

## University of Huddersfield (Academic)

.01 The Parallel Theatre (Conwy) 3

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.04 Lula Jade Hotel (Hong Kong) 20

.05 Leon Lai's Concert (Mainland) 23

## 01 THE PARALLEL THEATRE.

The project site is located in Conwy, which is a historical small town in North Wales. But what this town currently lacks is a community space. Therefore, the proposed project is a theatre, mainly to provide a venue for events, such as "National Eisteddfod". To achieve the idea of seeing through the architecture, the designed form was constructed by numbers horizontal planes and the glazed boxes defining the interior spaces. When people are walking through the harbour side, the architecture allows the people see through the building and know what is the event happening within those parallel planes.

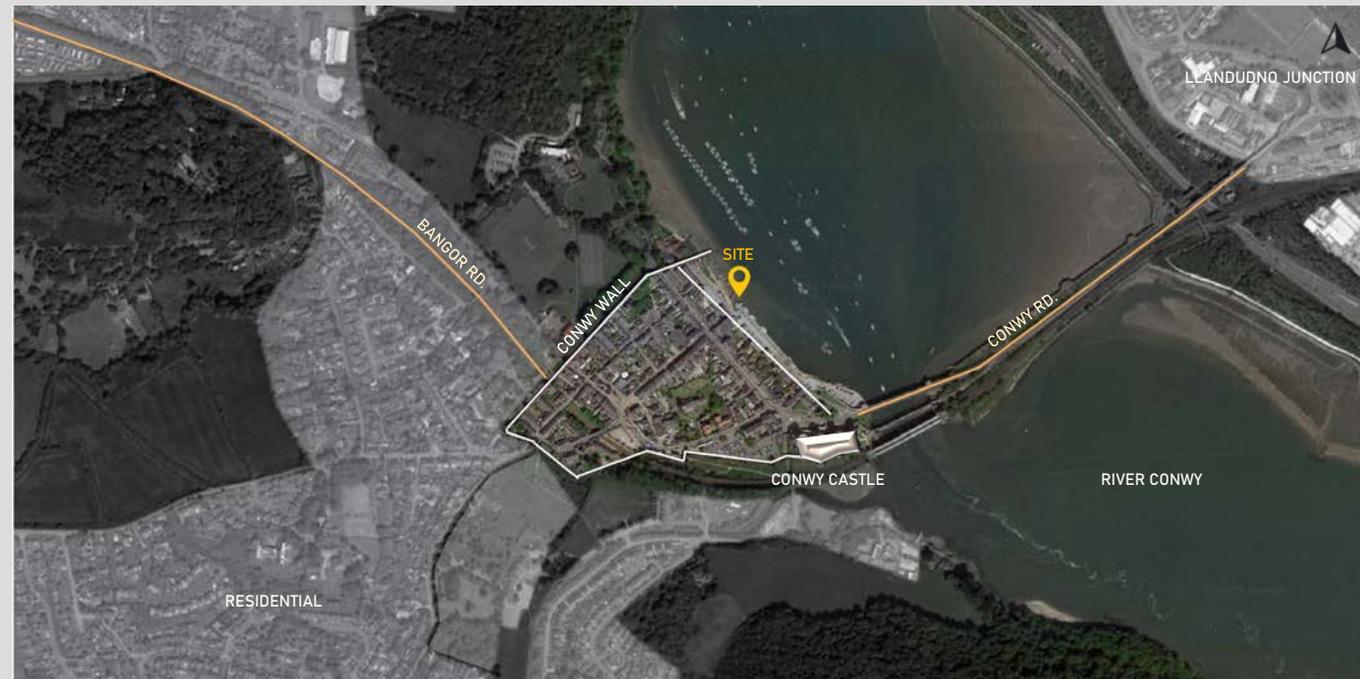




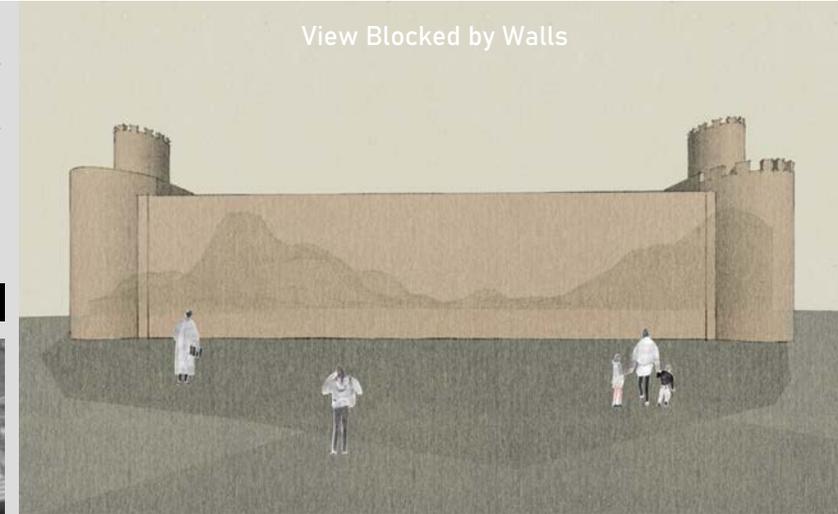
## Design Concept.

The Feature in Conwy is the castle and the walls which was built in 1287, The purpose of this historical structure is for defend the enemies attack. However, the significant of the castle and the wall are no longer necessary. My first impression of the town is the town is completely enclosed and contain by its historical wall, most of the human activities are happening inside the wall, the capacity of the building is full already. Therefore, for my interpretation of this project, my design idea is to release Conwy from the walls, the achievement in my design is to make the architecture become transparent, and open up the town from the wall.

Site Plan 1:5000



View Blocked by Walls



See Through by Horizontal Planes



# Design Development.



## Massive

- Start with a single structure design
- Massing has contrast with site context



## Divide

- Divided in to the smaller units
- Create visual connection with High St.



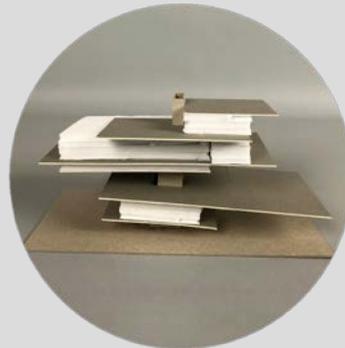
## Floating

- The architecture is built above water, to relate the site environment, I start to explore floating form



## Minimized

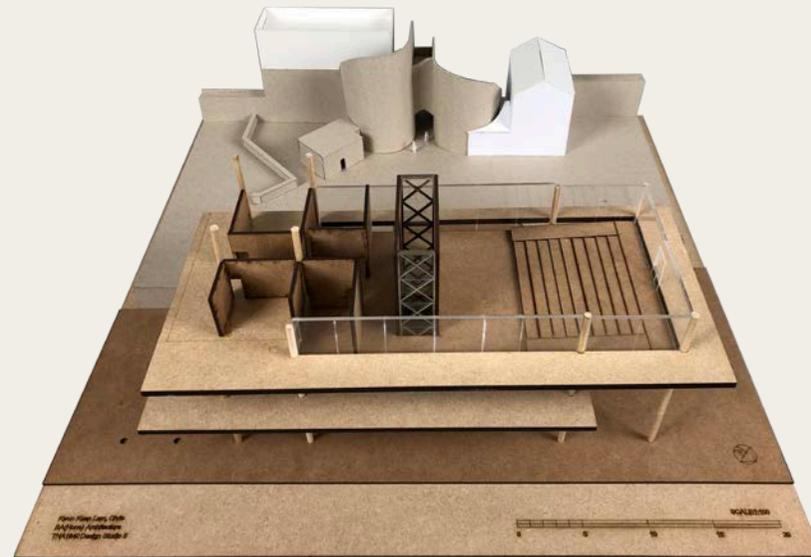
- To achieve the transparency I minimized the boxes to the horizontal planes.



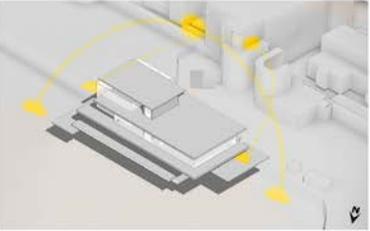
## Core

- Consider for the lateral loads, I designed to add the core for the horizontal planes

## Final Model

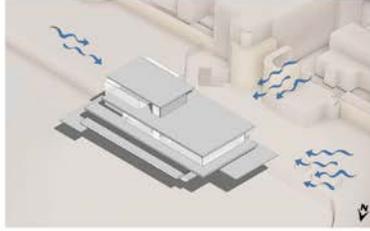


# Architectural Design.



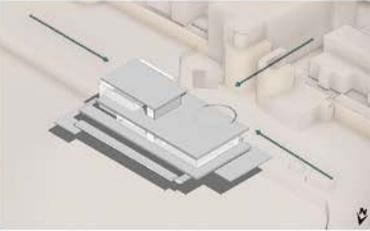
SUN PATH

- Office and cafeteria facing east to gain natural lights
- Controllable environment space like indoor performance space, placed on west side



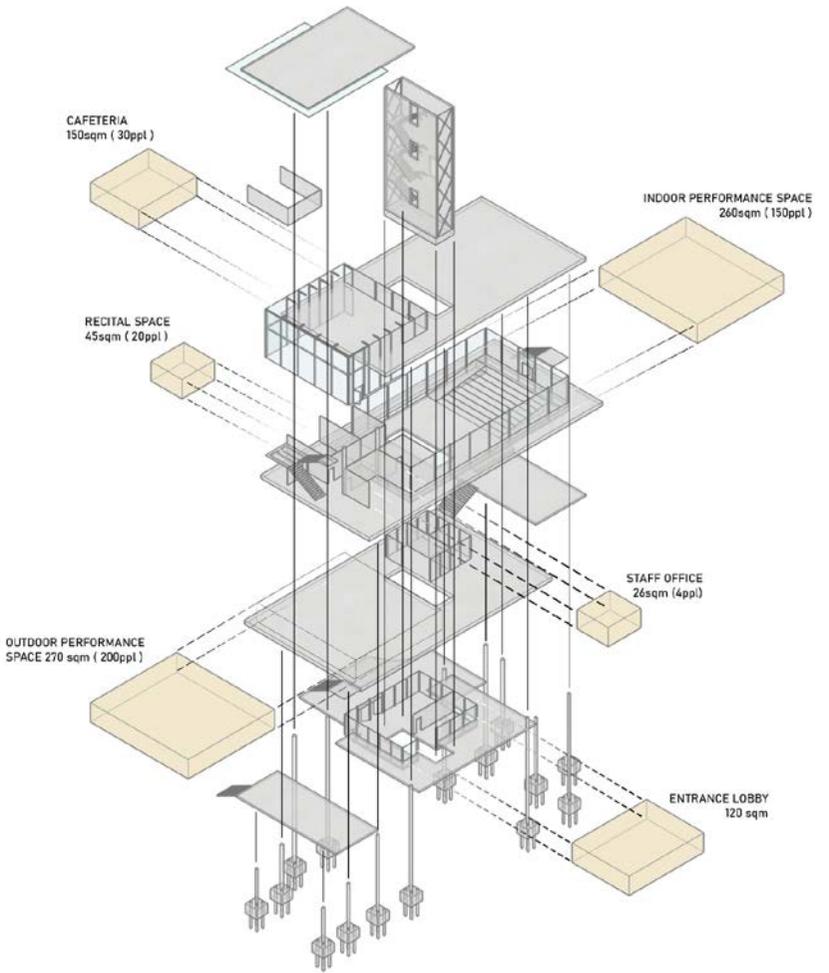
WIND PATH

- Wind come from west most of the time, the outdoor performance area was placed behind the core wall for protect the audience from direct wind comes



PEDESTRIAN MOVEMENT

- The site connect to the High Street, which is a main circulation from the town
- Human activities pass through the harbour side

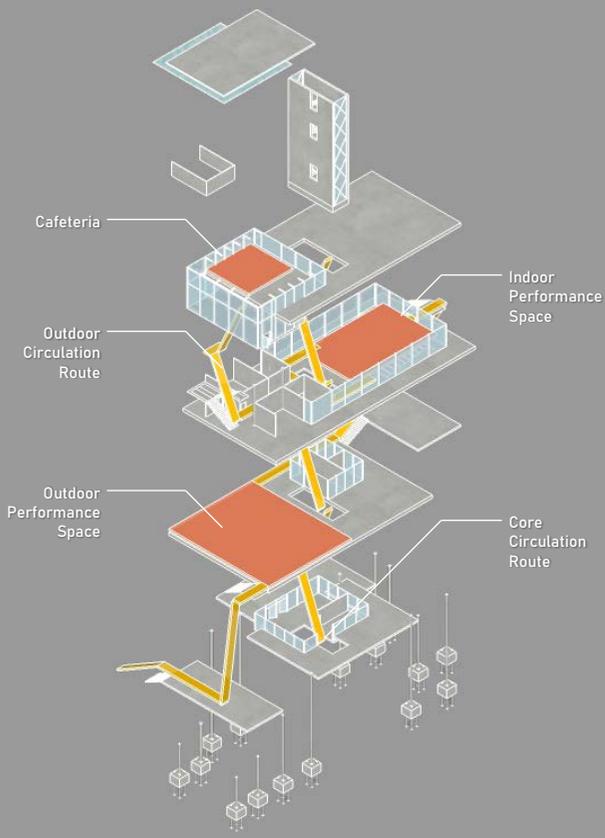


# Spatial Design.

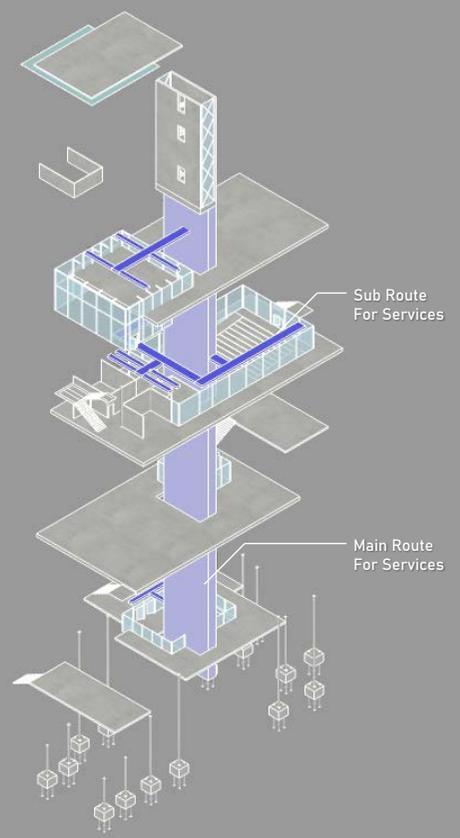


Internal Performance Space

What Conwy currently lacks is a community space, the proposed project is a theatre, mainly to provide a venue for events, such as "National Eisteddfod". It has one internal performance space on west side, for those performances required highly control space, like the Drama, philharmonic and so on. In my design the external wall for the performance space are glazed wall, for the acoustic control, I design to use the acoustic curtain for the performance space. Acoustic curtain is a good acoustic product for the performance used, it is flexible to decide open up the space or to enclose it, not just to control the sound also the natural lights as well.

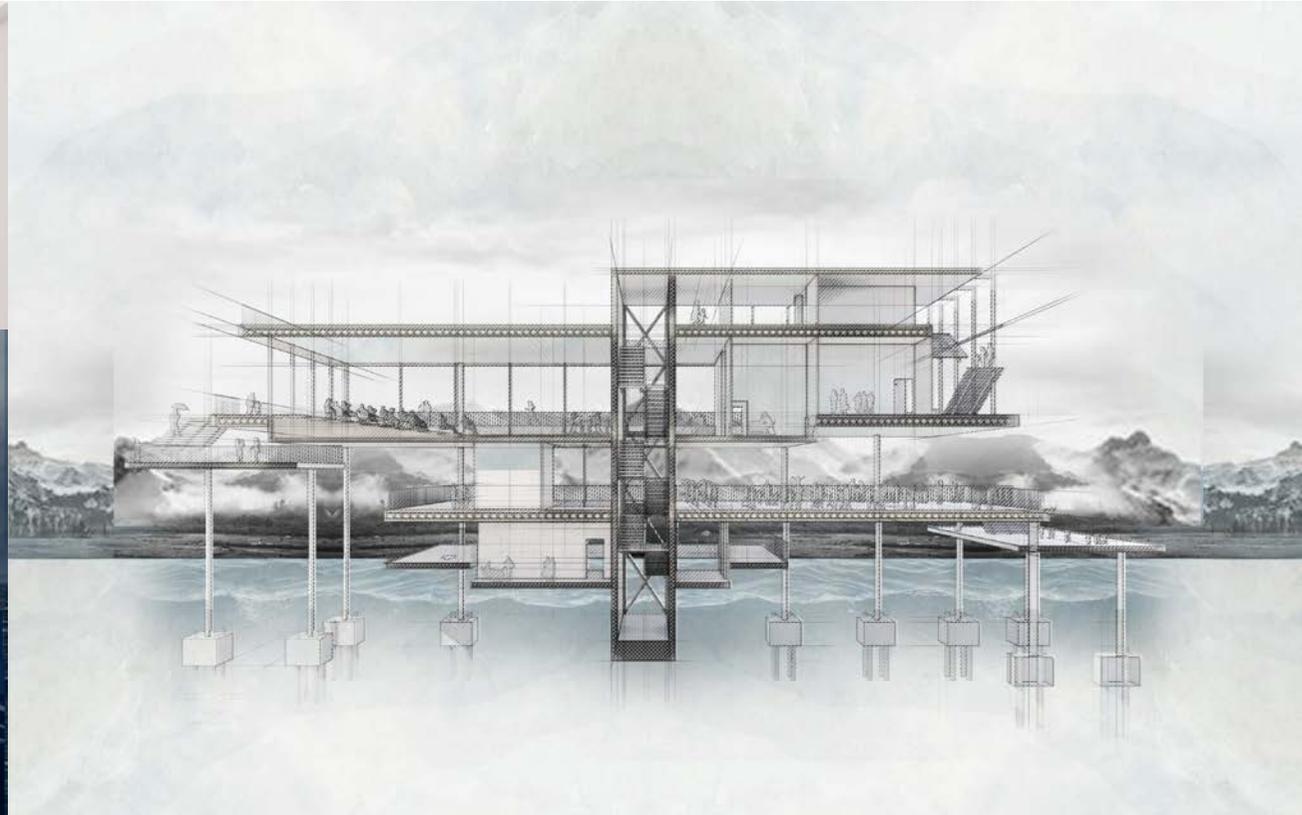
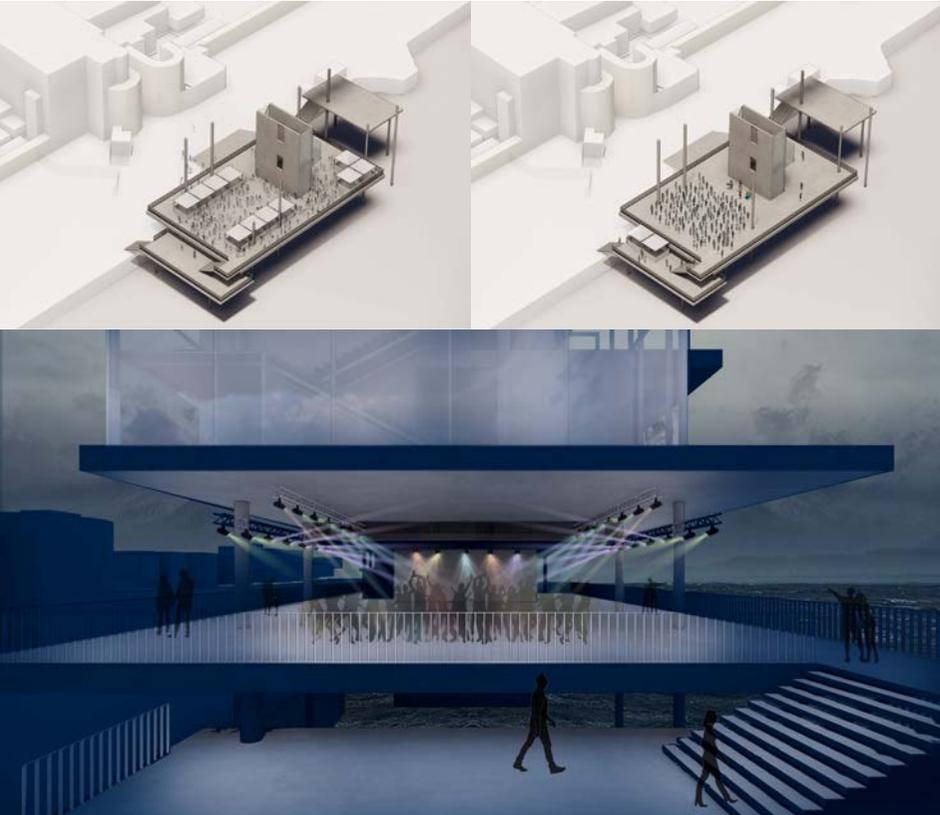


Circulation Route



Building Services Route

## Spatial Design.



The architecture has a external performance space on the east side, the capacity of this space allows more than 400 audiences gather in this place, the space is flexible to change the layout and become a community event space, it would become a best spot of the local annual event "Conwy Feast".

To achieve the transparency of the architecture, the bubble deck construction is the most suitable construction type of my design, the weight of the bubble deck is light, it allows to achieve the long span structure and the clean slab without any beams to minimize the mass of building. It supports by a center core and columns, the core strengthen the structure to resist lateral force and the vertical loading.



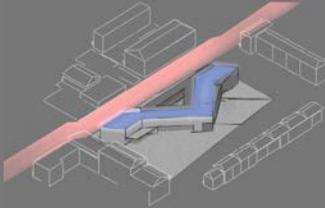
## 02 TANGENT COURTYARD.

The proposed site locates in the oldest district in Liverpool, which is Ropewalks area, this place has contained different cultural influences, the most interesting spot is Chinatown, it is the oldest such community in Europe. However, the existing Chinatown had become rather decayed and shabby. Therefore, the idea of this project is to reactivate Chinatown and bring it back to life. The proposed project brief is the amphitheater, the target users of the building are the Chinese and the surrounding education organisations. The purpose is to provide a community space for the Liverpoolian and Chinese society.

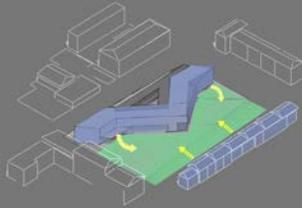
# Site Context.

The reason of choosing this specific site is because the idea of link up the whole Chinatown. The diagram shows the red solid line as the parts of the Chinatown, however the middle part are missing, there is no any Chinese elements in this area. Therefore I designed to fill this missing part, and trying to fill the hole and make the Chinatown as one place. The existing site mainly provided 3 function, the sitting area, the pathway and the small playground. The only function value to the site is the site is the diagonal pathway, people are using the diagonal pathway oftenly from the student accommodation and the residential to the Chinatown Street. Therefore I decide to remain this path.

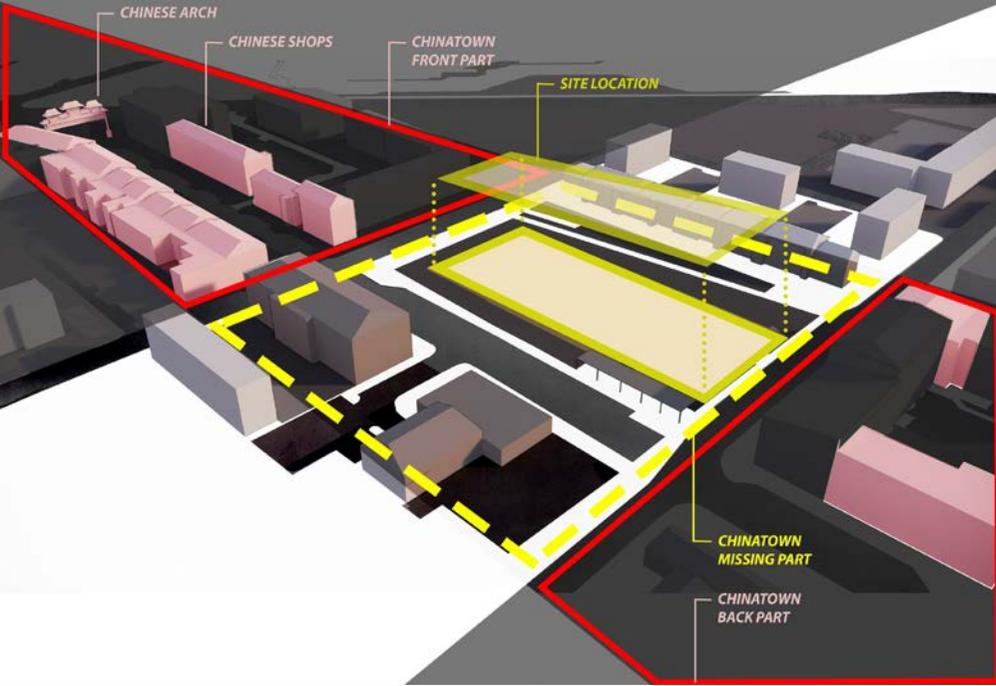
Linear Built Form



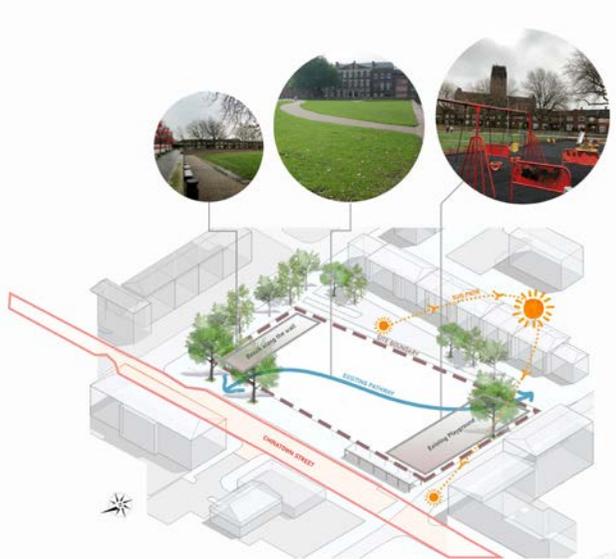
Shared Green Field



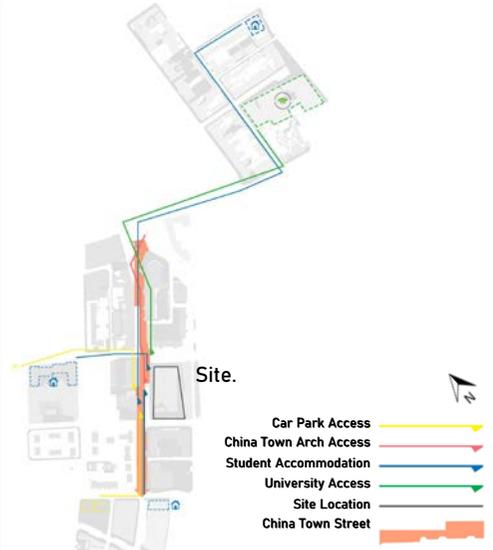
Remained Diagonal Path

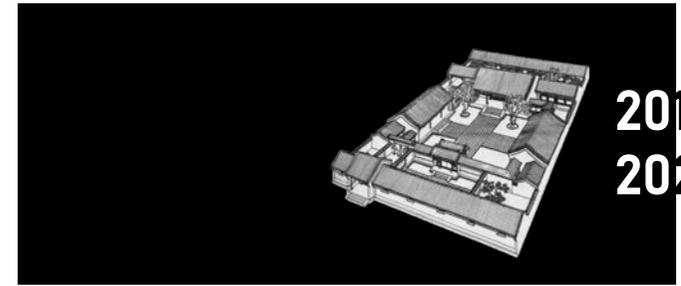


Existing Site Element



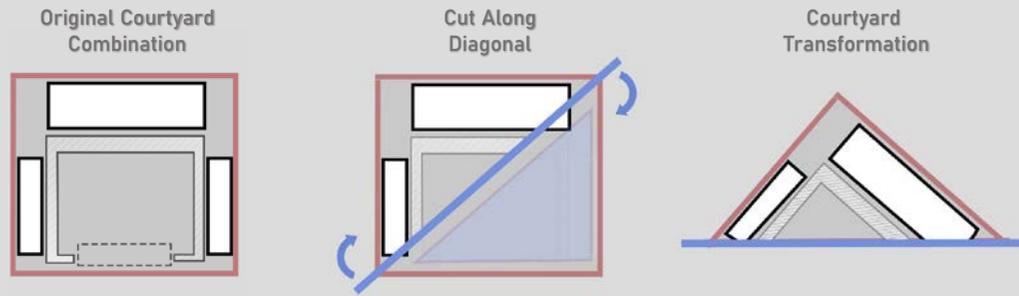
Accessibility Study



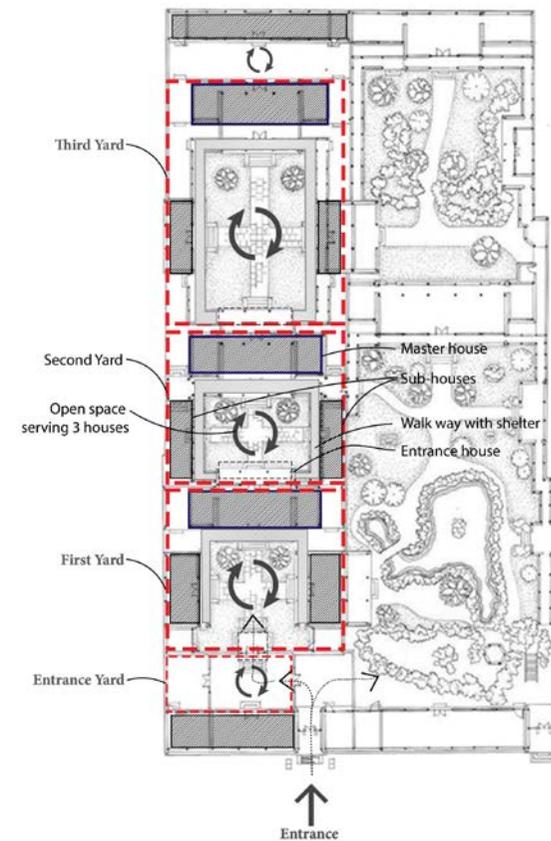


# Design Concept.

## Concept Development

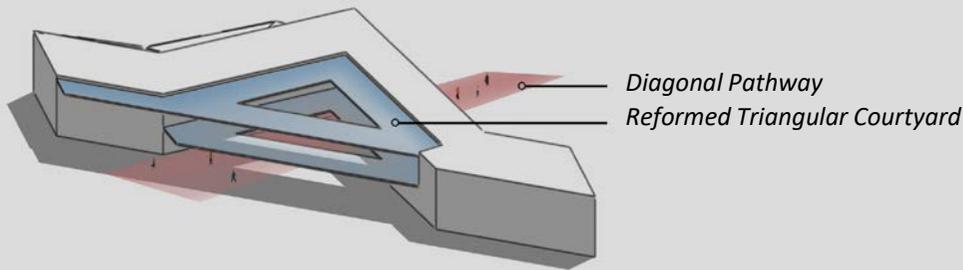


## Traditional Chinese Courtyard

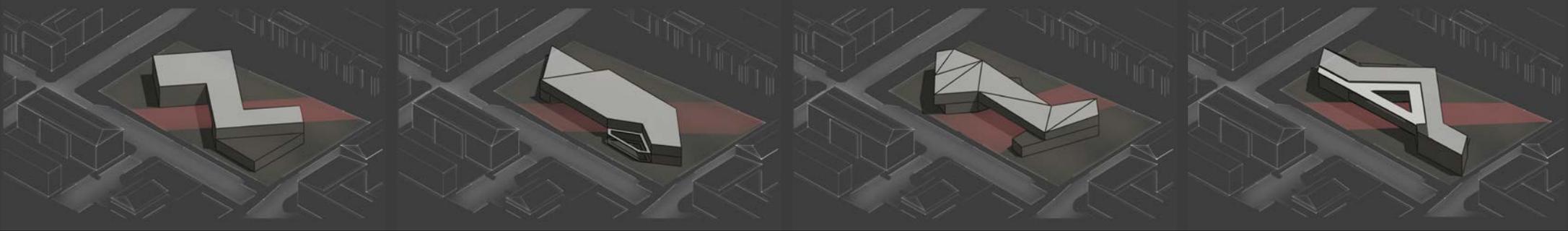


TANGENT  
COURTYARD.

The main idea of the project is to re-activate the Chinatown street, the Siheyuan is the signature of Chinese traditional style of architecture, therefore I chose it as my feature design element of my project. The design concept integrate with the design strategy, one of the external force of the site is the diagonal pathway, the diagram shows how this powerful cut influence the form of the traditional courtyard and make it become a new experience of Chinese courtyard space.



# Design Development.



### Distribution

- Connected diagonal pathway by creating two separate structure on the ground level.
- Start by creating simple geometry to testing the volume of those main program.

### Geometry

- Testing alternatives form in irregular shape.
- Exploring the idea of Chinese courtyard to responds the design concept.

### Refinement

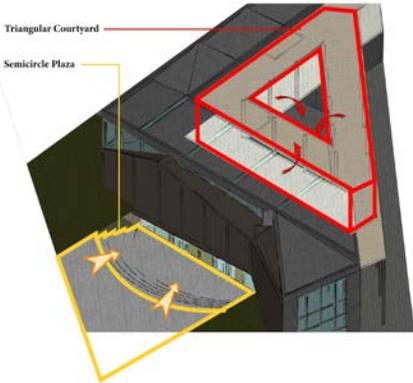
- Developing the architecture form by the idea of "internal Chinese courtyard".
- Refine better proportion of the scheme.

### Refinement

- Remain wider diagonal access on ground level
- Creating feature courtyard spaces  
Triangular courtyard space ( outdoor )  
Underground level courtyard space (indoor)

### Community Spaces

The main idea of the project is to re-activate the Chinatown street, the Siheyuan is the signature of Chinese traditional style of architecture, therefore I chose it as my feature design element of my project. The design concept integrate with the design strategy, one of the external force of the site is the diagonal pathway, the diagram shows how this powerful cut influence the form of the traditional courtyard and make it become a new experience of Chinese courtyard space.



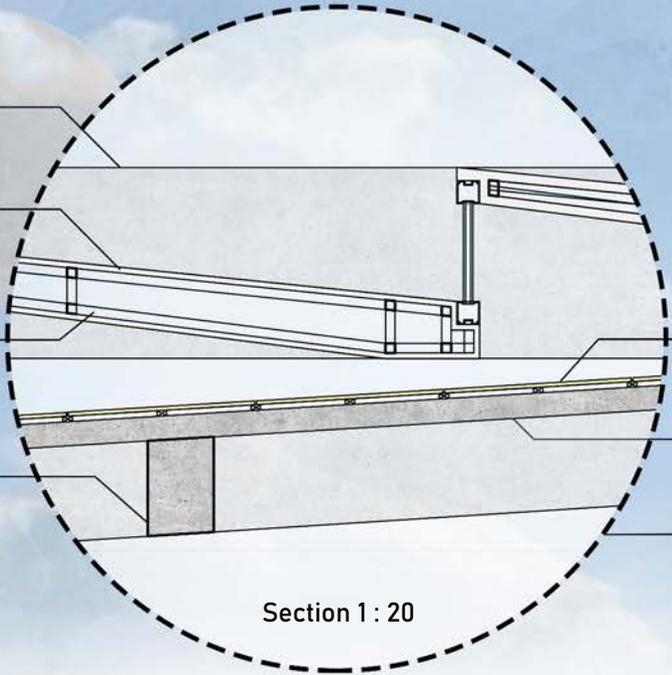


CONCRETE BEAM

GRC PANEL

METAL FRAME

CONCRETE BEAM



Section 1 : 20

WOOD FINISH PANEL

CONCRETE SLAB

Section 1 : 20

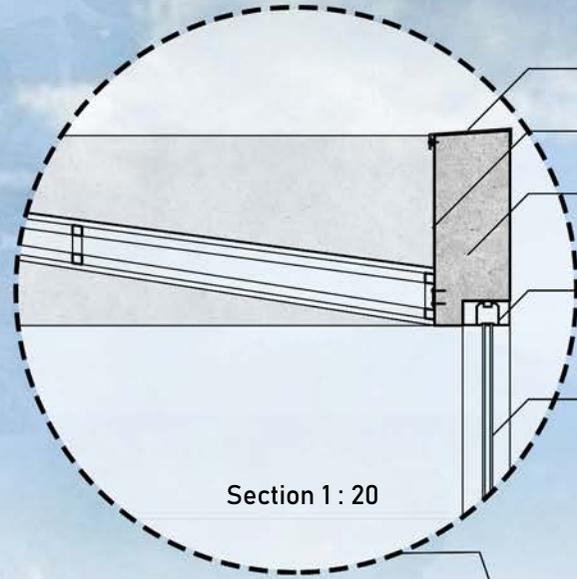
METAL COPING

MEMBRANE ROOFING

CONCRETE BEAM

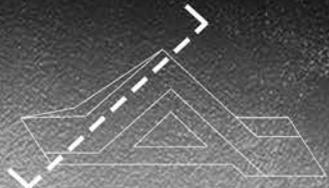
ALUMINUM OFFSET GLAZED SYSTEM

DOUBLE GLAZED

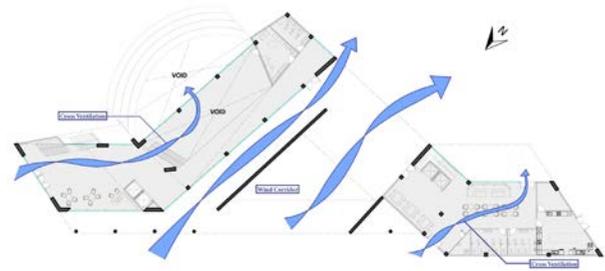


Sectional Perspective 1: 200

S-01



# Environmental Control.

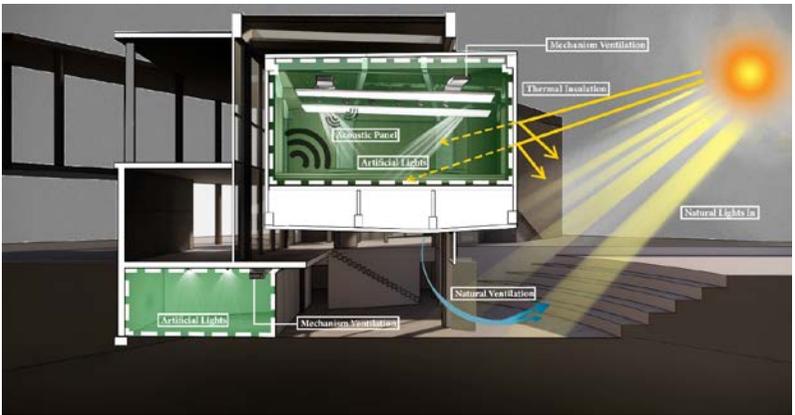
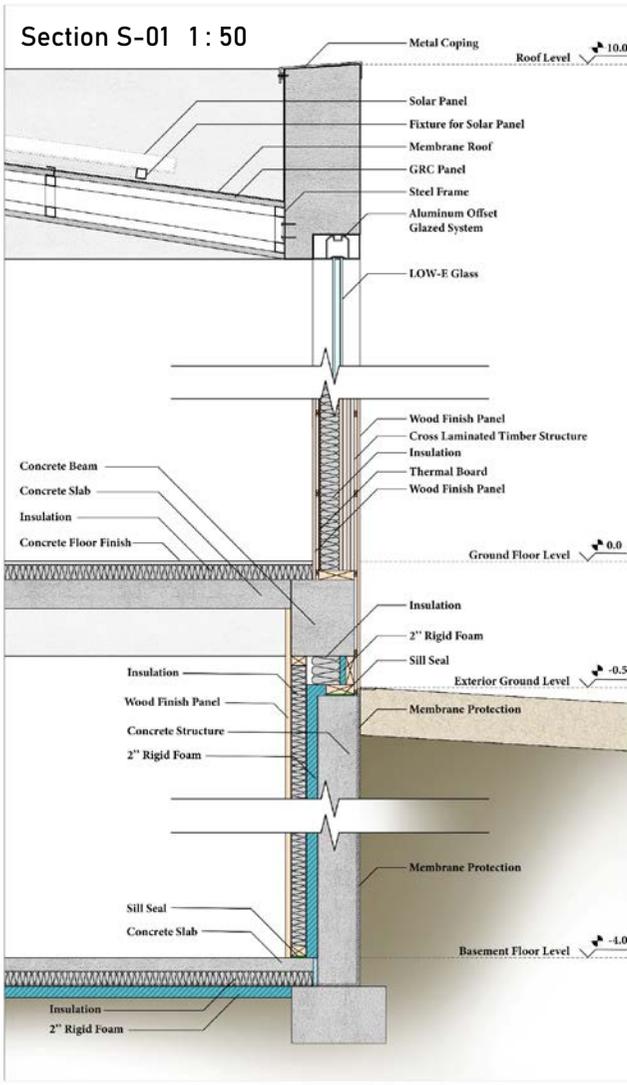
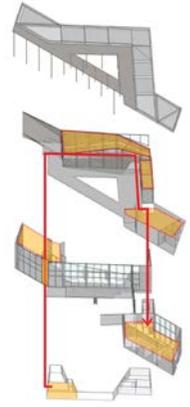


## Natural Ventilation Consideration

In the summer, the wind would pass through the site from the north to the south in usual, therefore, the design intergrade the idea of cross ventilation. For the larger building, I designed a opening from the north side to the east, which going through the entrance lobby to the basement courtyard. For the smaller building, the opening design in the north and the exit from the south. It brings the cross natural ventilation to the interior spaces.

## Services Route

The plant room is placed at the corner of the basement level, the services route are designed to reach each of the programs of the whole building, including ventilation, sprinkler system, electrical supplied, etc. The route pass through the first floor to served the other block, it allows the other block not to provide a room for plant room.



## Natural Lights/ Artificial Lights

The diagram illustrate two spaces in this section required artificial lights, one is the amphitheater, the other one is the multi-function room, it is because some of the event required controlled environment of lights, like the performances or lectures.

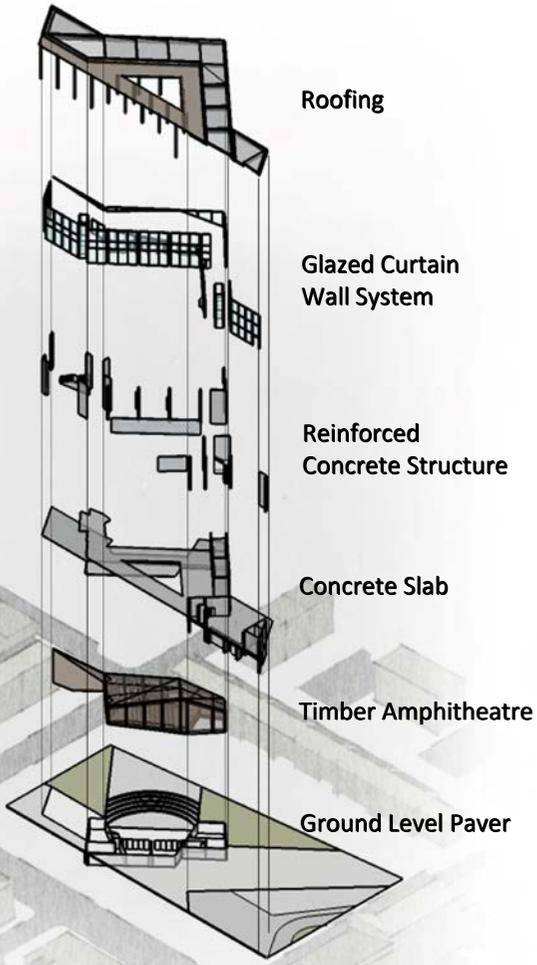
## Mechanism Ventilation/ Natural Ventilation

The section shows the location of the services, like the amphitheater and the multi-function room, the activities during those space need to be a controlled environment of temperature and moisture. On the other hand, there are some public spaces are not necessary to have mechanism ventilation.

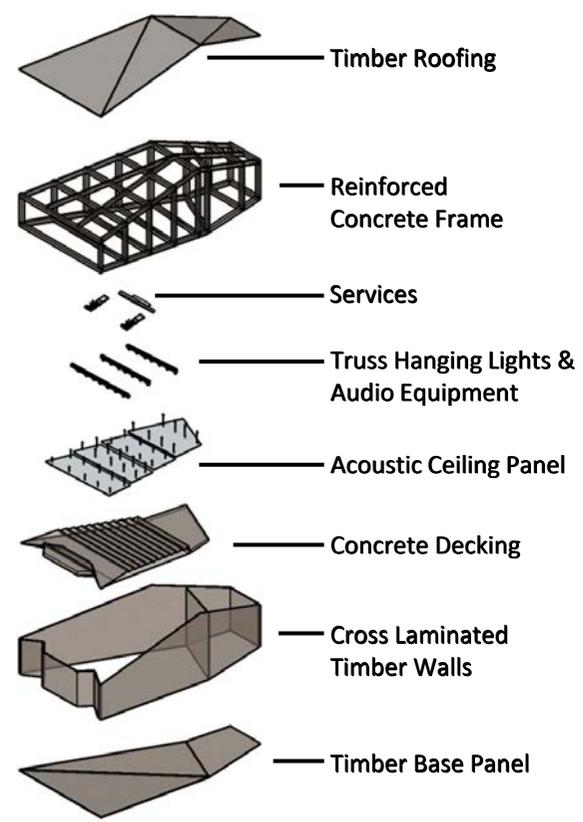
## Acoustic Ceiling Panel

The acoustic panel are designed to placed in the ceiling of amphitheater, the purpose is to control sound quality of the space and cover up the building services and the structure about the space

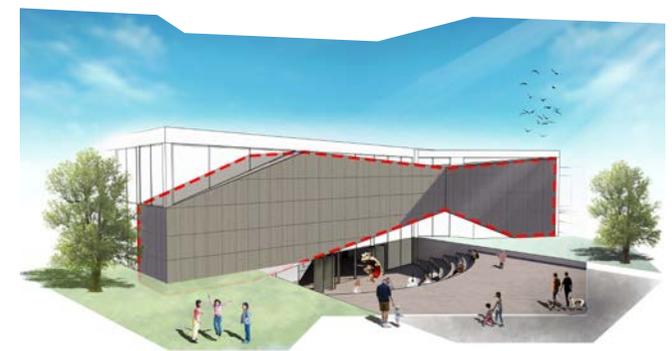
# Structural Elements.



## Amphitheatre Design



Internal Perspective of Amphitheatre



External View of Amphitheatre



## 03

## KAIBIGAN VILLAGE.

Kabigan Village is a charity program organized by Center for Community Transformation. It aims to help urban street dwellers who have very limited access to basic amenities. As a part of the helping forces, this project are designing different facilities for the village, such as training centre, community hall, student dorms, memorial and staff housings.

LOCATION.

Philippines

CLIENT.

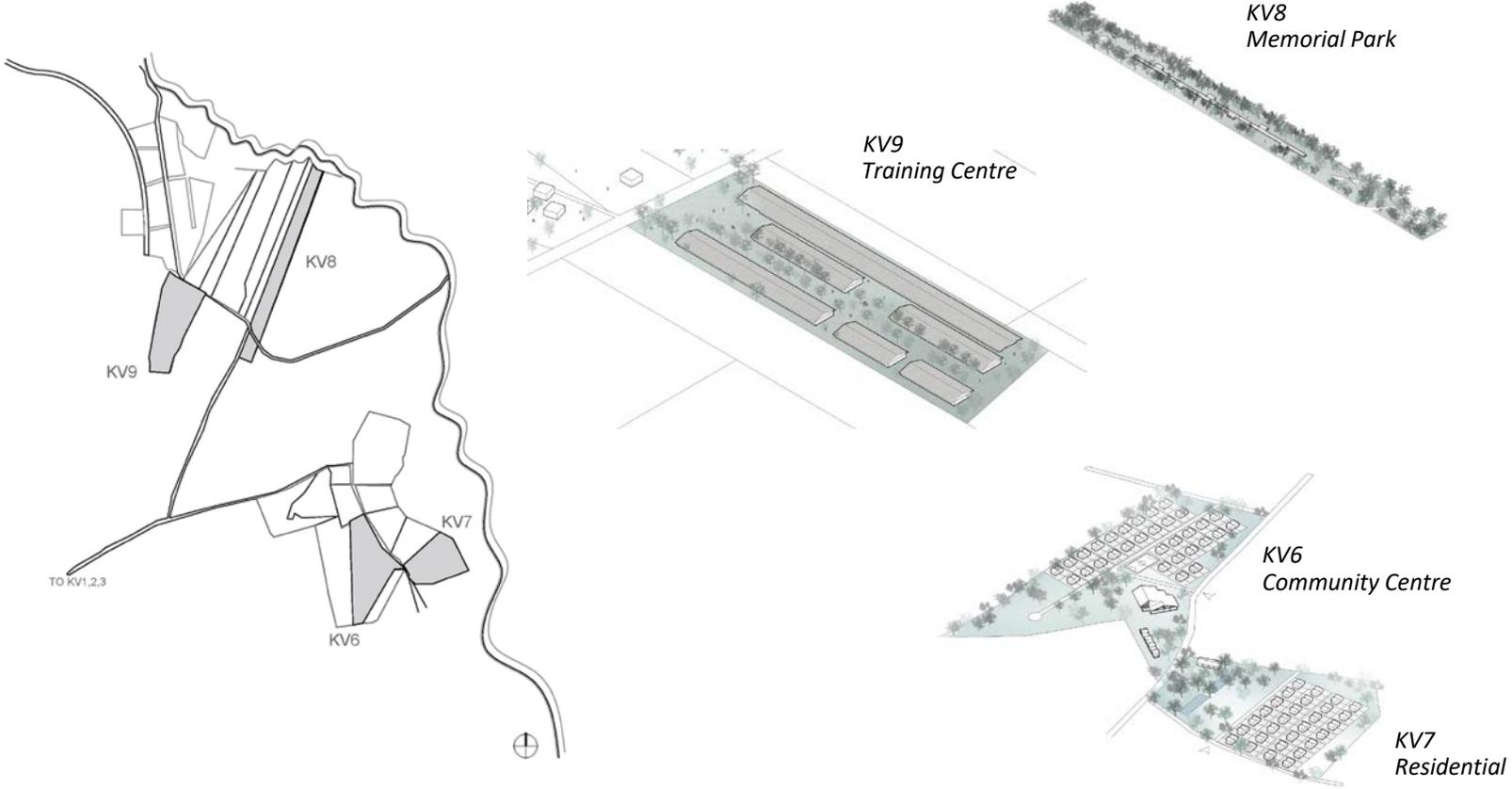
Centre for Community Transformation

TEAM.

Chan Freeman Kaye,  
Lee Shu-fan,  
Ma Orchid

Lam Kwun Kuen  
Francisco Hazel

**Kaibigan Village.**



# Kaibigan Village.





## 04

## LULA JADE HOTEL.

This is an A&A project in Tin Hau, mainly to demolish and redesign the building façade and podium level, the theme of the design is about luxury and grand, jade is a fantastic representative of it. The design using the same design language apply for the entire building, the triangular golden feature formed the facade pattern.

**LOCATION.** Hong Kong

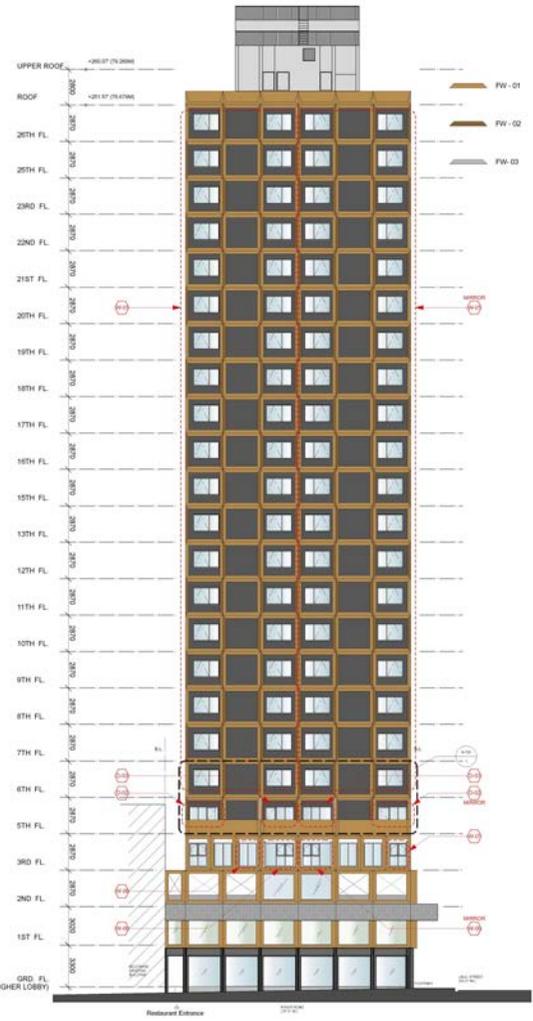
**CLIENT.** ZS Hospitality Group Ltd.

**TEAM.** Lee Shu-fan,  
Lo Alex

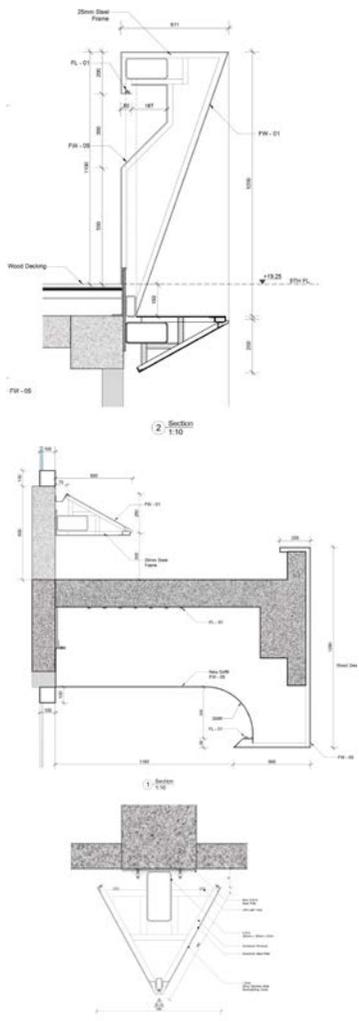
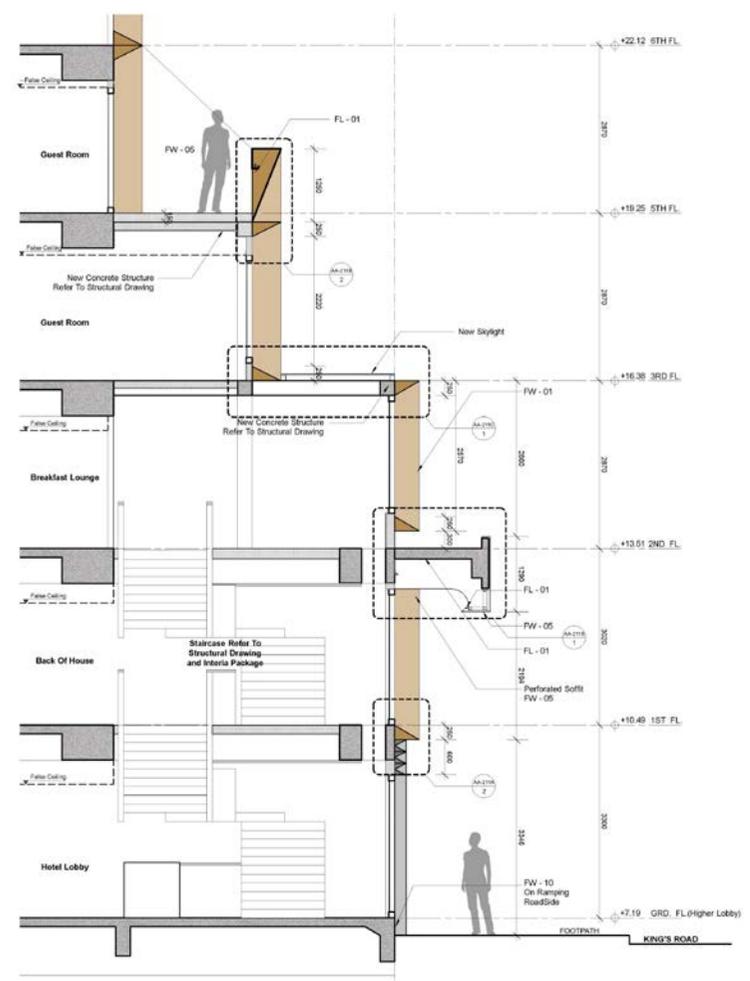
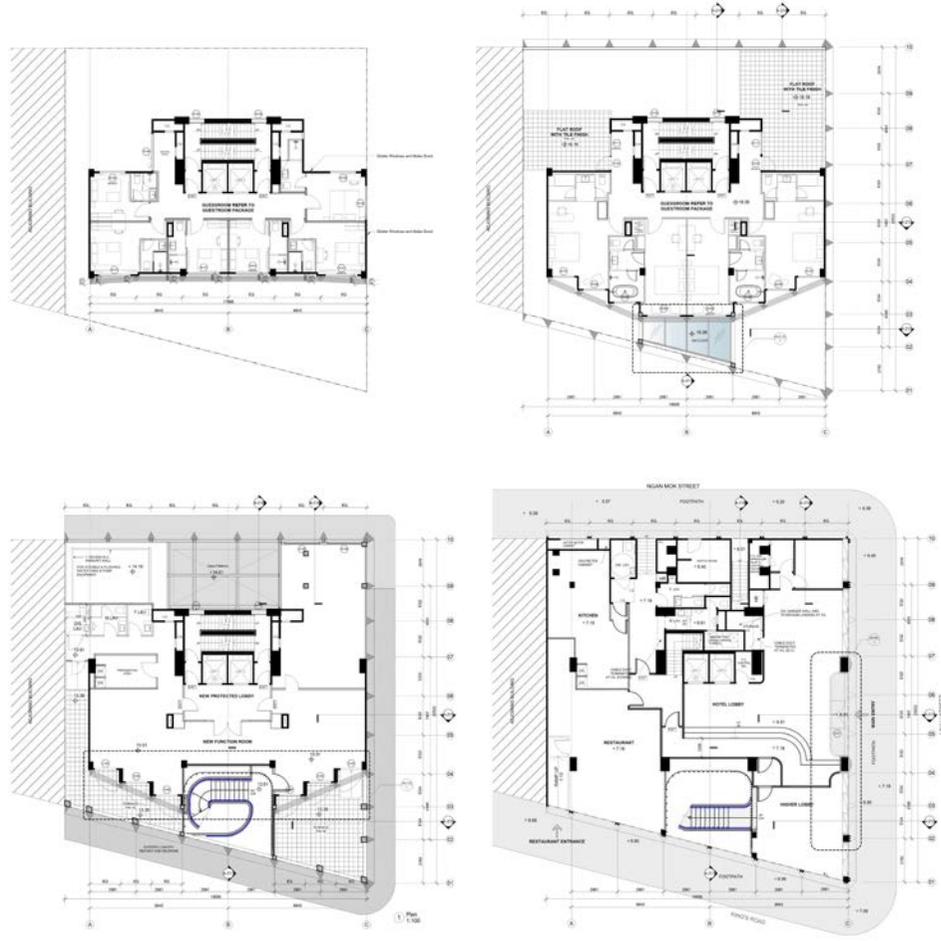
Lam Kwun Kuen  
Ma Orchid

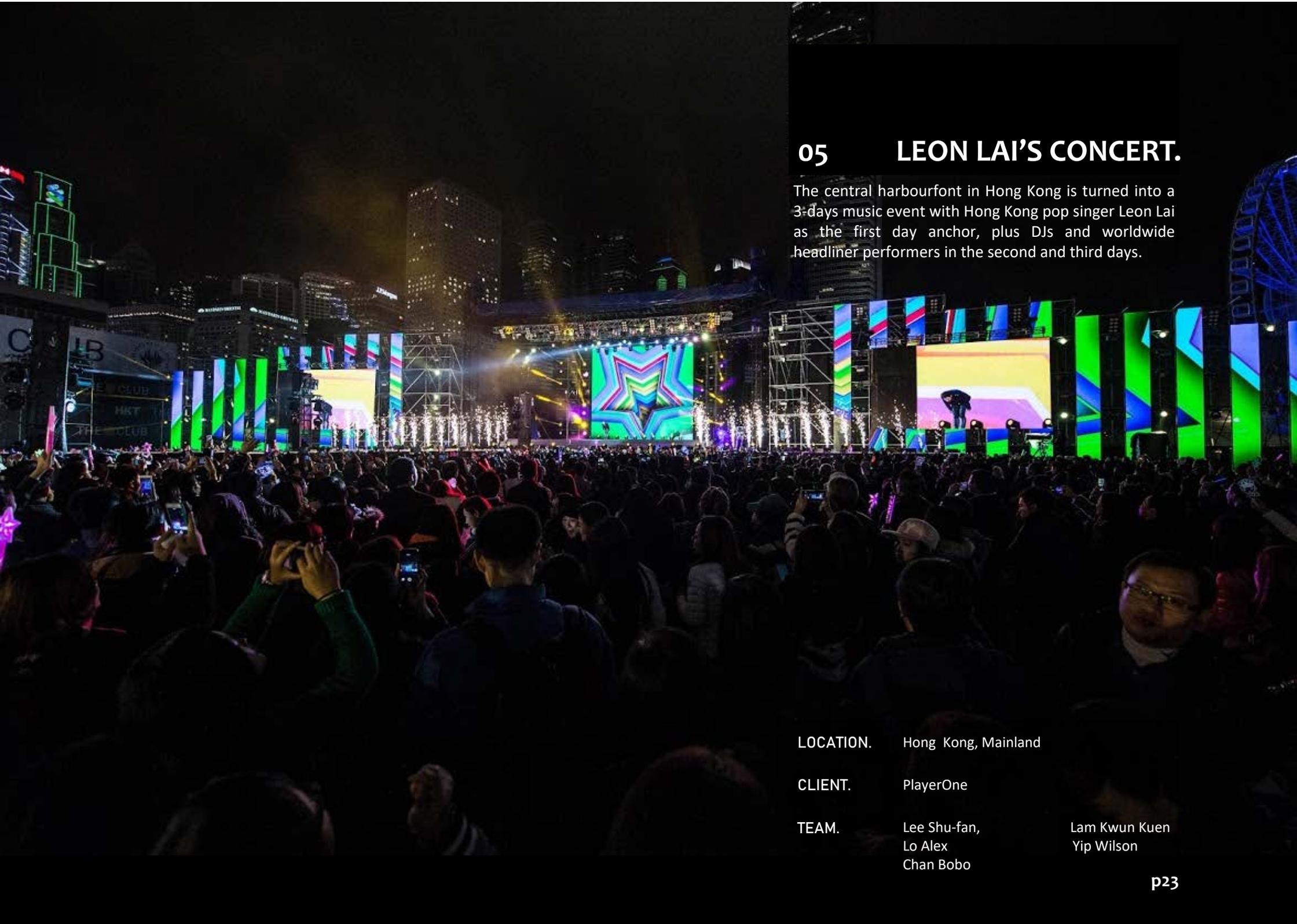
2019/  
2020

# Lula Jade Hotel.



# Lula Jade Hotel.





## 05 LEON LAI'S CONCERT.

The central harbourfront in Hong Kong is turned into a 3-days music event with Hong Kong pop singer Leon Lai as the first day anchor, plus DJs and worldwide headliner performers in the second and third days.

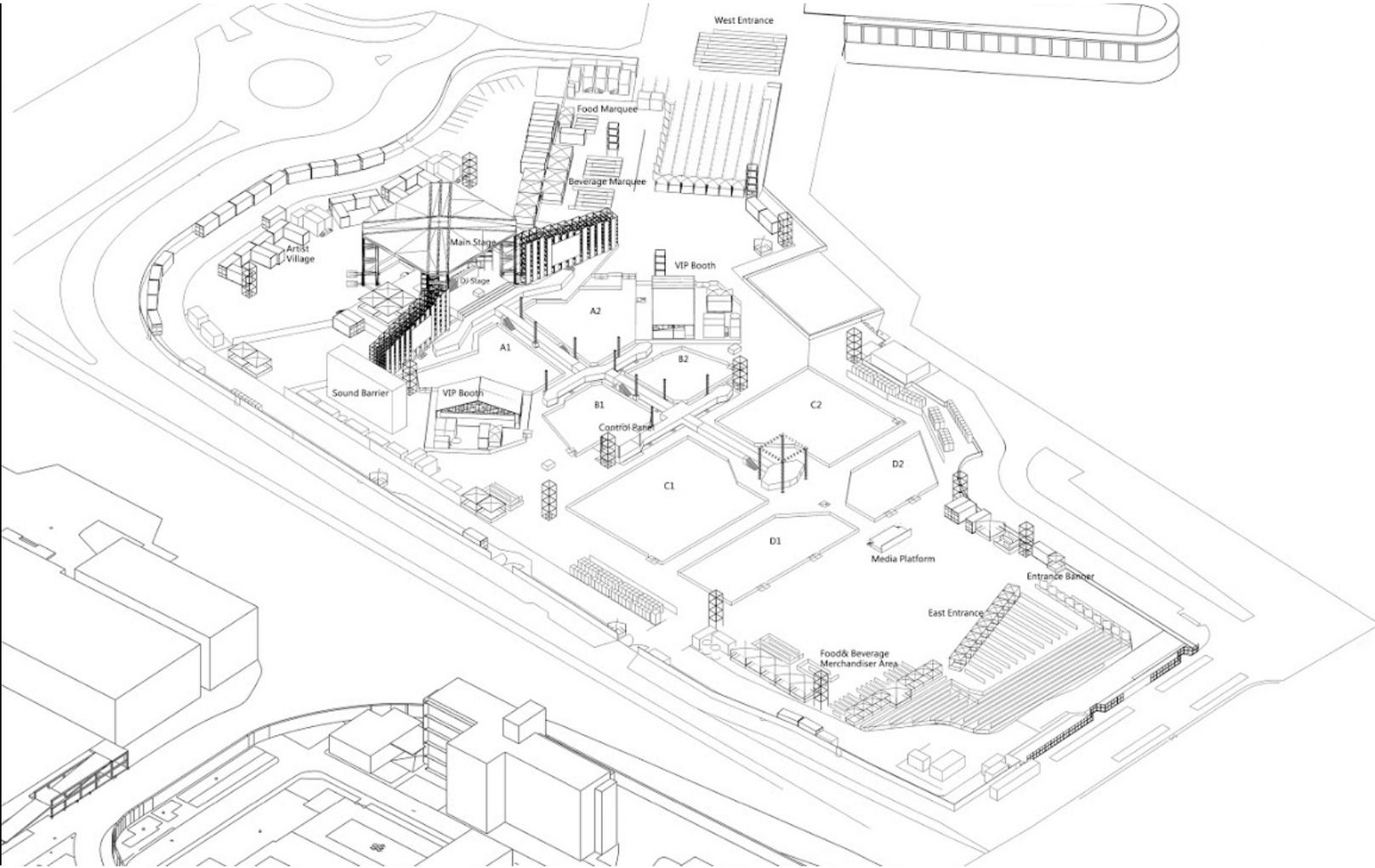
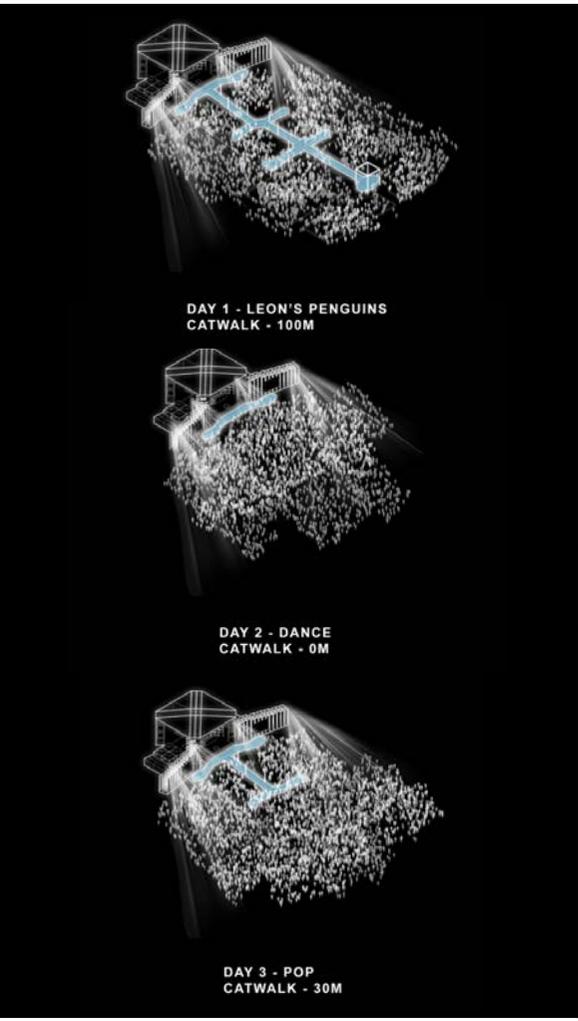
LOCATION. Hong Kong, Mainland

CLIENT. PlayerOne

TEAM. Lee Shu-fan,  
Lo Alex  
Chan Bobo

Lam Kwun Kuen  
Yip Wilson

# Leon Lai's Concert.



# Leon Lai's Concert.

DAY I



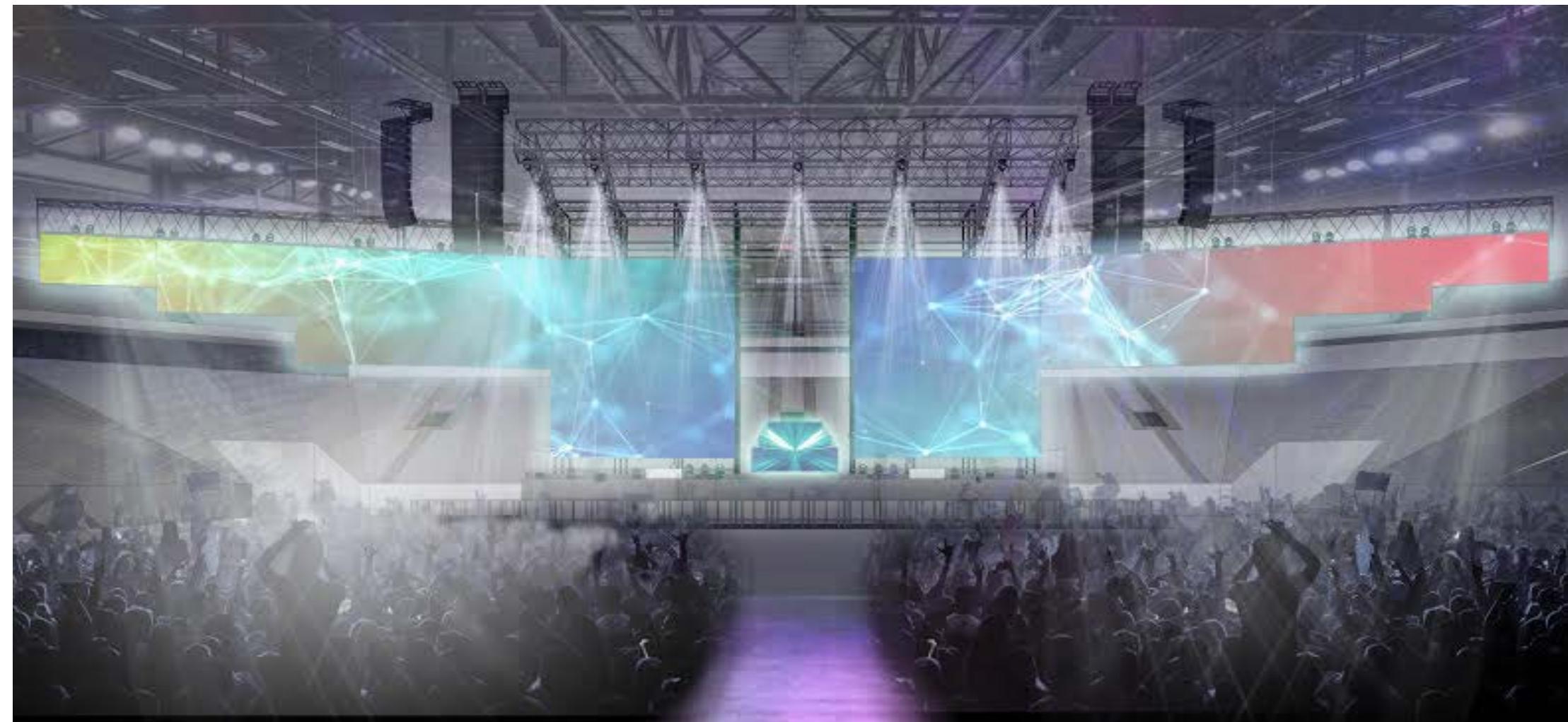
DAY II



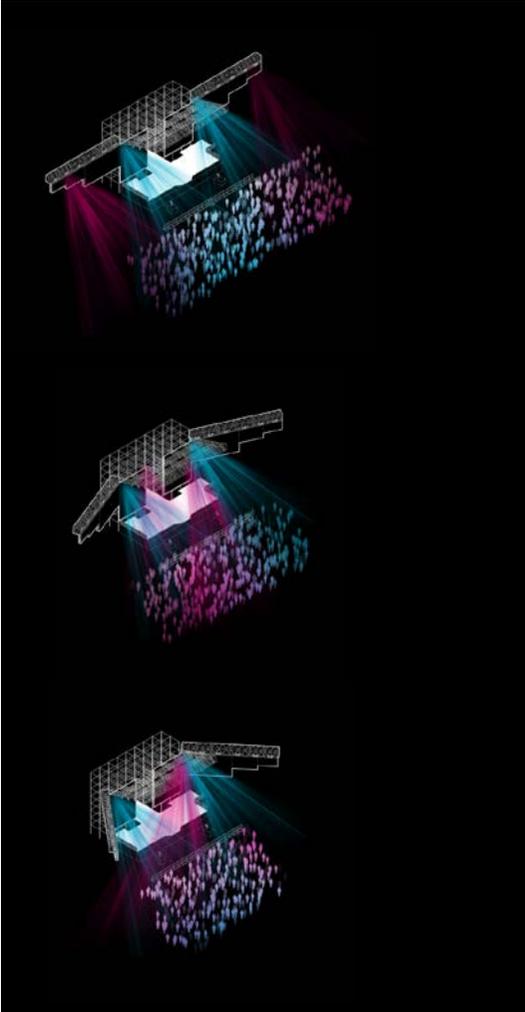
DAY III



## Leon Lai's Concert.

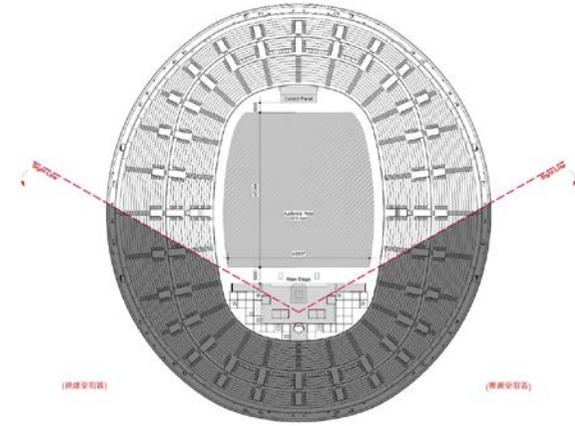


# Leon Lai's Concert.



140° BACKDROP. 160° BACKDROP. 180° BACKDROP.

SITE SUPERVISION. DESIGN DRAWING.



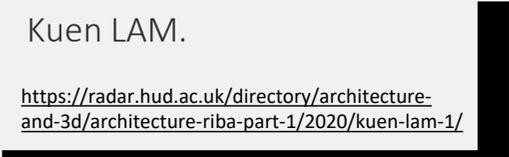


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**Thank You.**

Kuen LAM.

<https://radar.hud.ac.uk/directory/architecture-and-3d/architecture-riba-part-1/2020/kuen-lam-1/>



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