



**ARCHITECTURE
PORTFOLIO**

ANUTHAMA MAHESH

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SELECTED WORK | 2020-2025



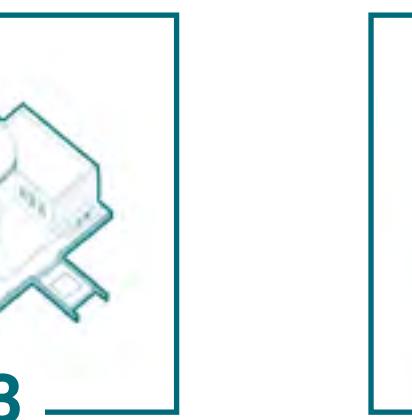
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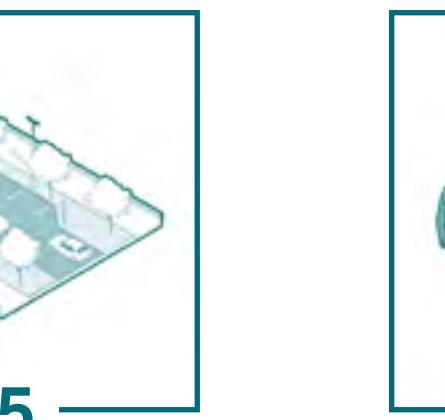
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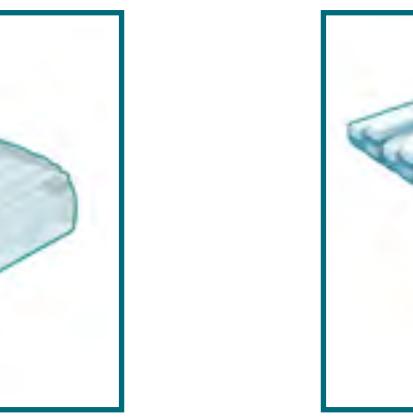
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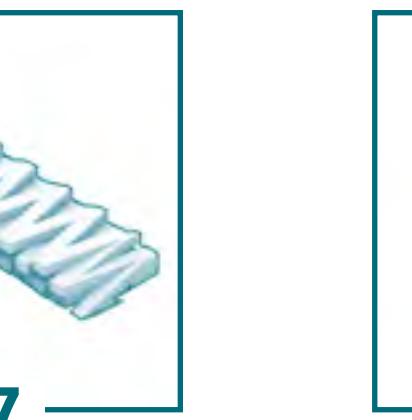
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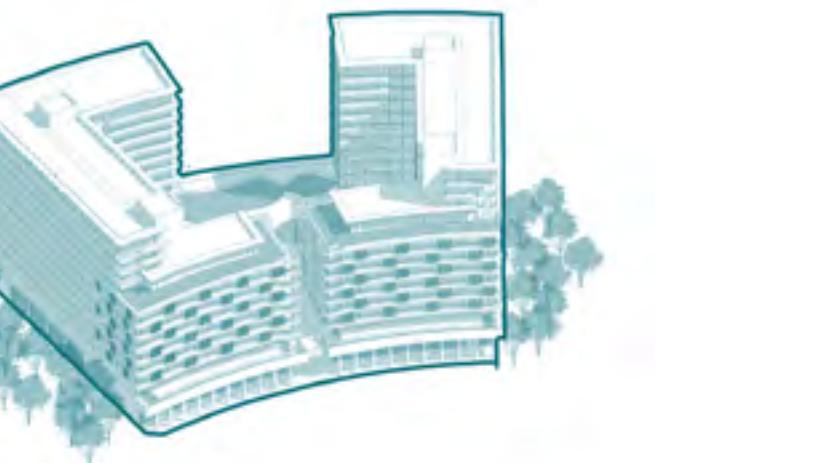
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SKETCHES

01



PARK FIVE



EDGE ARCHITECTS



PARK FIVE | MIXED-USE

Client:

Deyaar

Category:

Residential, Commercial

Location:

Production City, Dubai, UAE

Total Building Area:

100,480 m²

Height:

G+5 to G+11

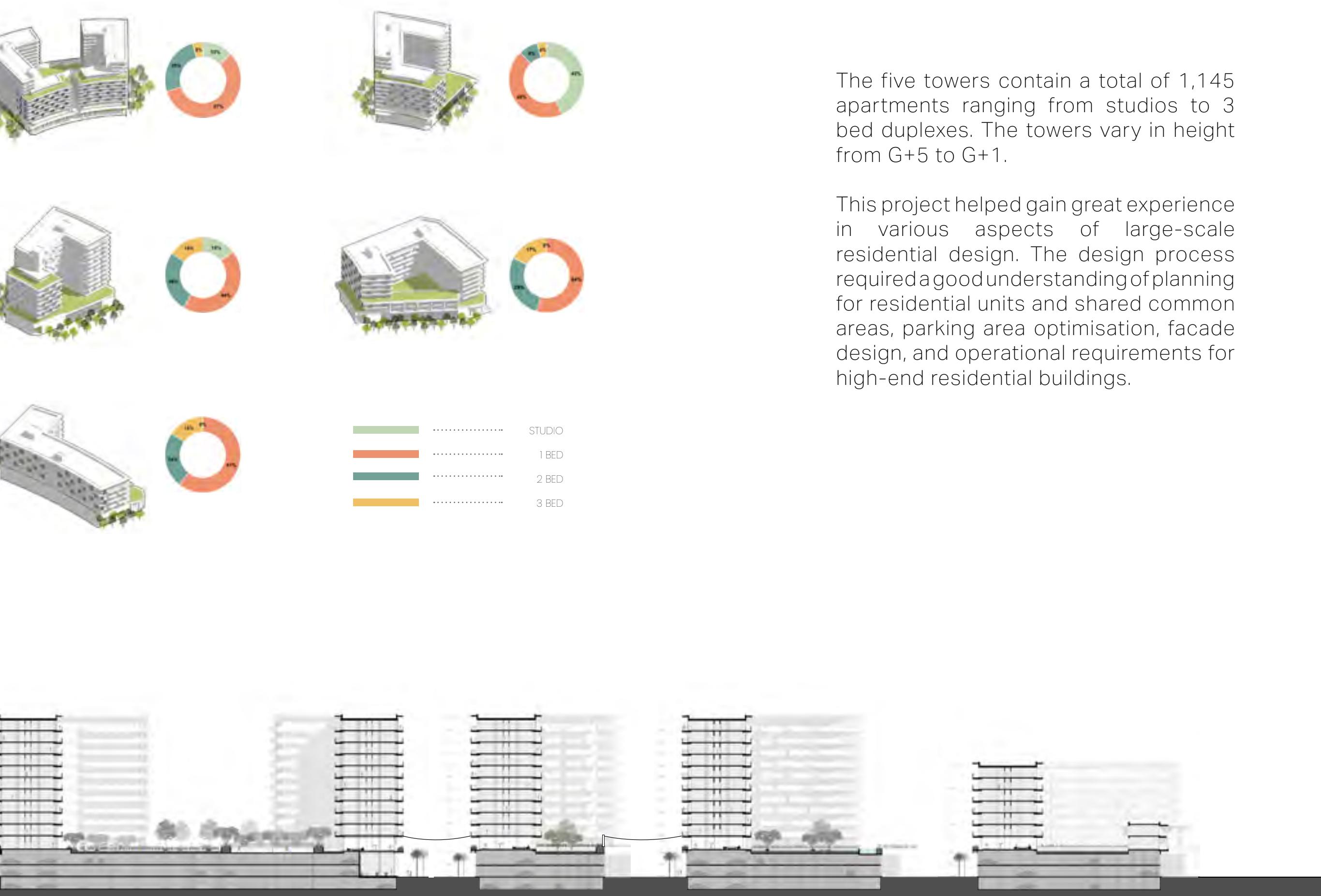
Status:

Under Construction

Park Five is a mixed-use development based in production city Dubai. The project includes five residential towers surrounding a central park with commercial spaces on the ground level of all five buildings.



Responsibilities



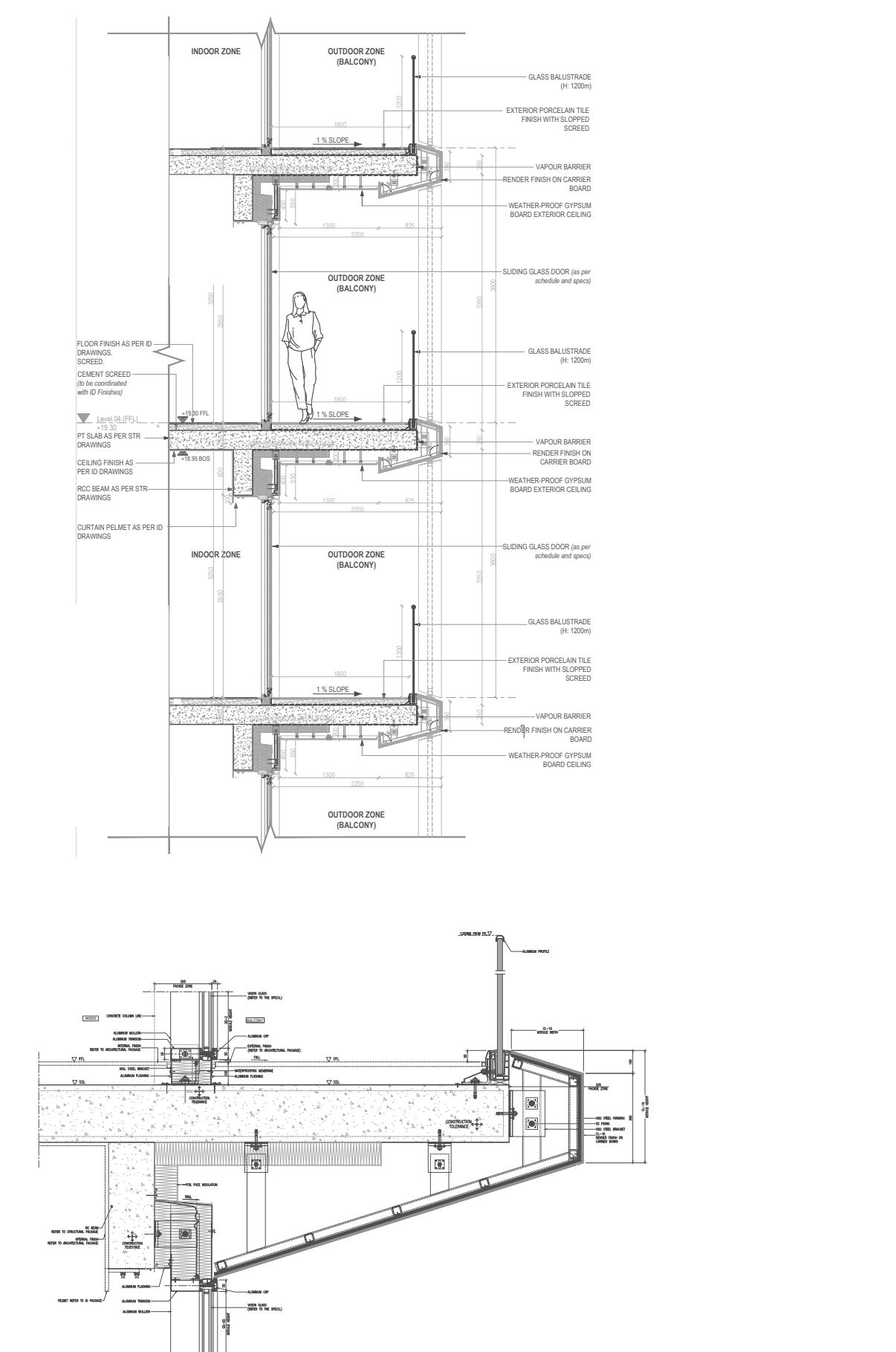
The five towers contain a total of 1,145 apartments ranging from studios to 3 bed duplexes. The towers vary in height from G+5 to G+1.

This project helped gain great experience in various aspects of large-scale residential design. The design process required a good understanding of planning for residential units and shared common areas, parking area optimisation, facade design, and operational requirements for high-end residential buildings.



Responsibilities

- Preparing concept design proposal and presentations.
- Producing renders and visuals for concept and schematic level presentations.
- Developing layouts for common areas, typical levels, parking and apartment units.
- Coordination with Structure, MEP and Facade engineers.
- BIM - Systematic and detailed modelling - Architecture and Interior Design.
- Preparation of drawing packages for all stages - Concept to IFC and authorities submissions.
- Interior design coordination, modelling and documentation.



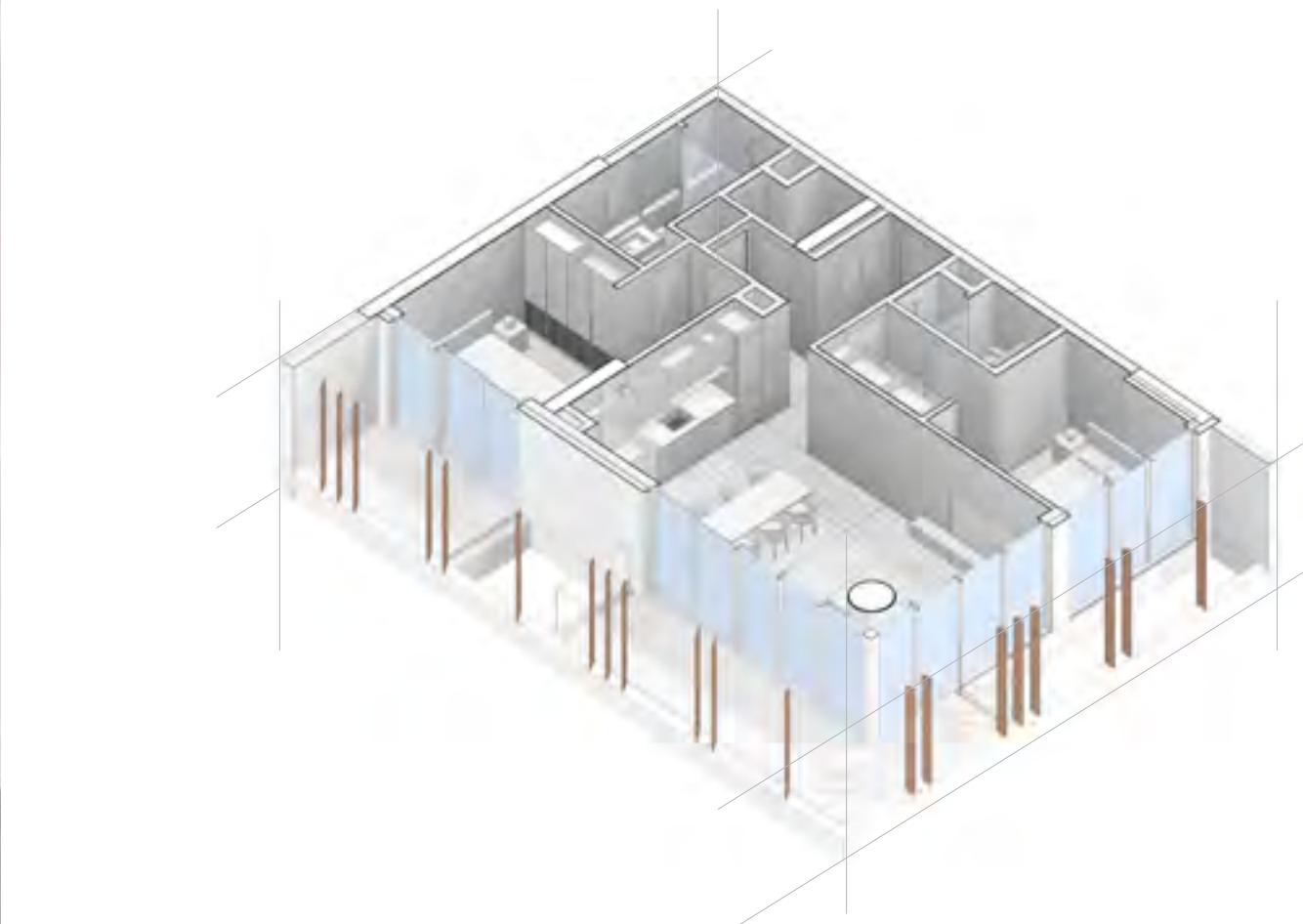
Detailed wall sections and soffit details developed for the angular balcony profiles used in all five buildings.



Multidisciplinary Design Involvement

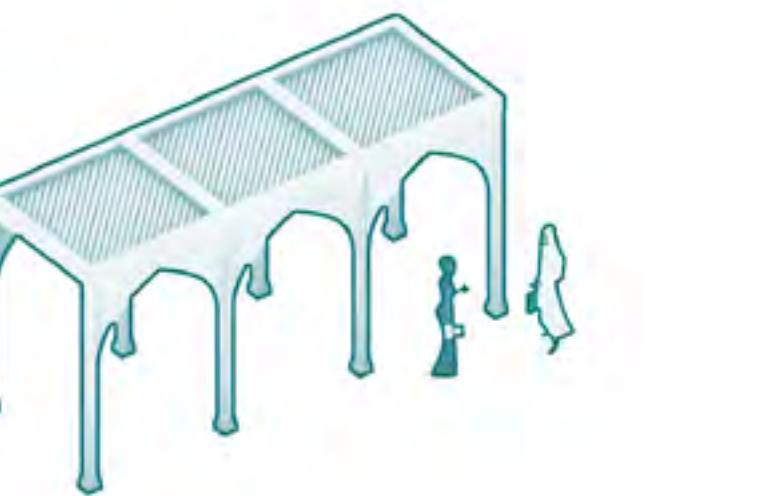
Executing a project of this scale presented significant production challenges, requiring a highly organized workflow to maintain design excellence. Success relied on disciplined teamwork and constant, clear communication across all engineering and design disciplines.

This also led to my involvement in the interior design process with tasks including internal planning for units, finishes selection, detailing of bespoke features, coordination for MEP/lighting, detailed modelling and design documentation.



Residential unit model with furniture, fixtures, finishes, equipment, joinery and lighting, integrating coordinated Structural & MEP models

02



EMBASSY IN ABU DHABI



EDGE ARCHITECTS



EMBASSY IN ABU DHABI

Client: Foreign Ministry of Oman (FMO)

Location: Abu Dhabi, UAE

Category: Civic, Residential

Site Area: 12,605 m²

Project Area (BUA): 2,380 m²

Floors: G+1

Status: Tender

The project undertakes the design and construction of a new embassy for Oman in Abu Dhabi. The proposal seeks to present a new Omani image to the world with design sensibilities rooted in Omani heritage.



At preliminary design stage, extensive analysis and research was carried out to understand Oman's rich cultural history, architecture, traditional practices and its influence around the world.

The spaces required for the operation of the embassy were studied and zoning options were developed. The chosen option features the three main buildings, Consulate, Chancery and Majlis placed around a central Maidan and water feature. The Ambassador's residence and staff accommodation buildings are placed away from the semi-public areas, with private access.

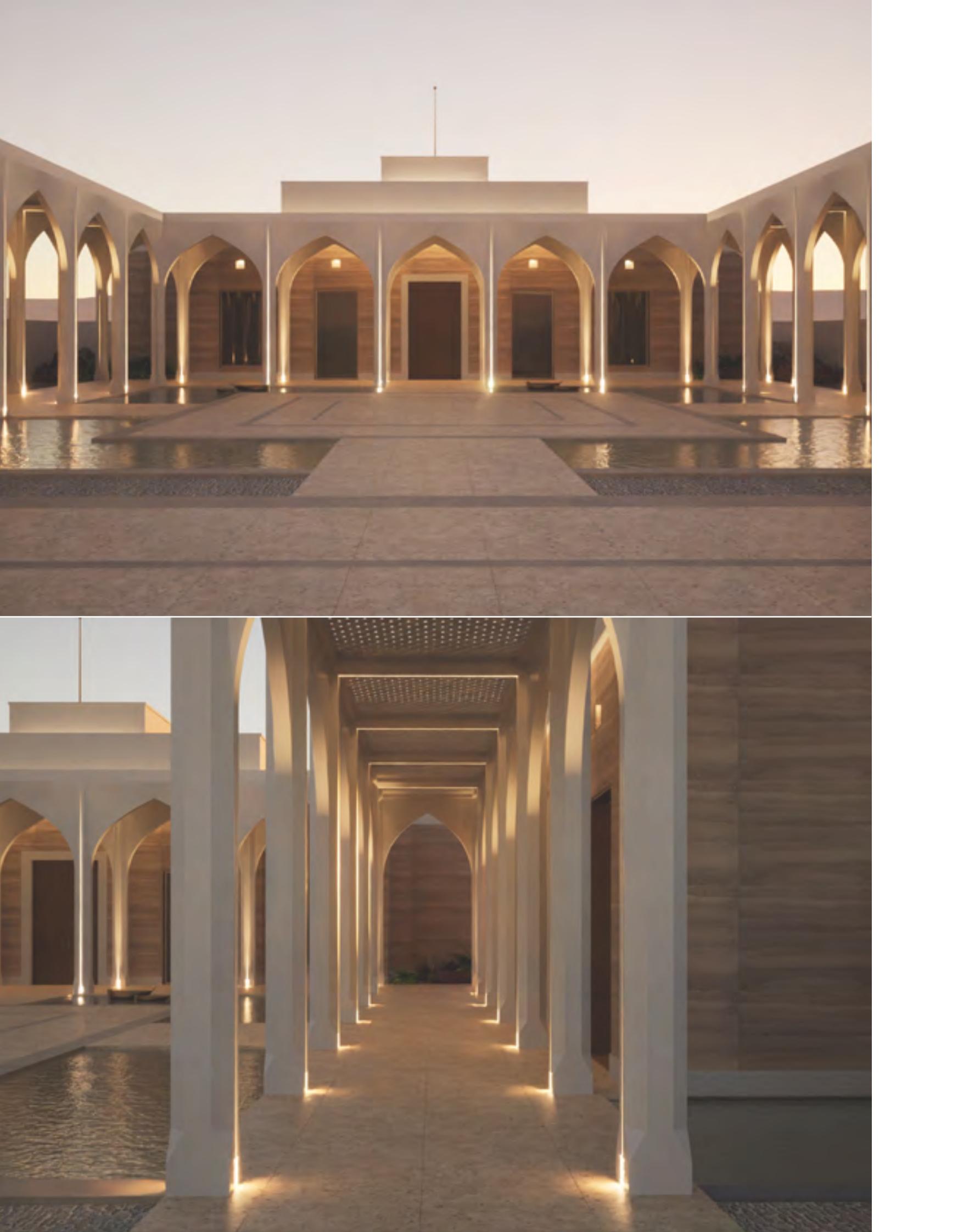
The planning specifically required an understanding of security zoning and access hierarchies, and the interface between public, semi-public and high security spaces.

The project achieved LEED platinum status under campus certification for multiple buildings.

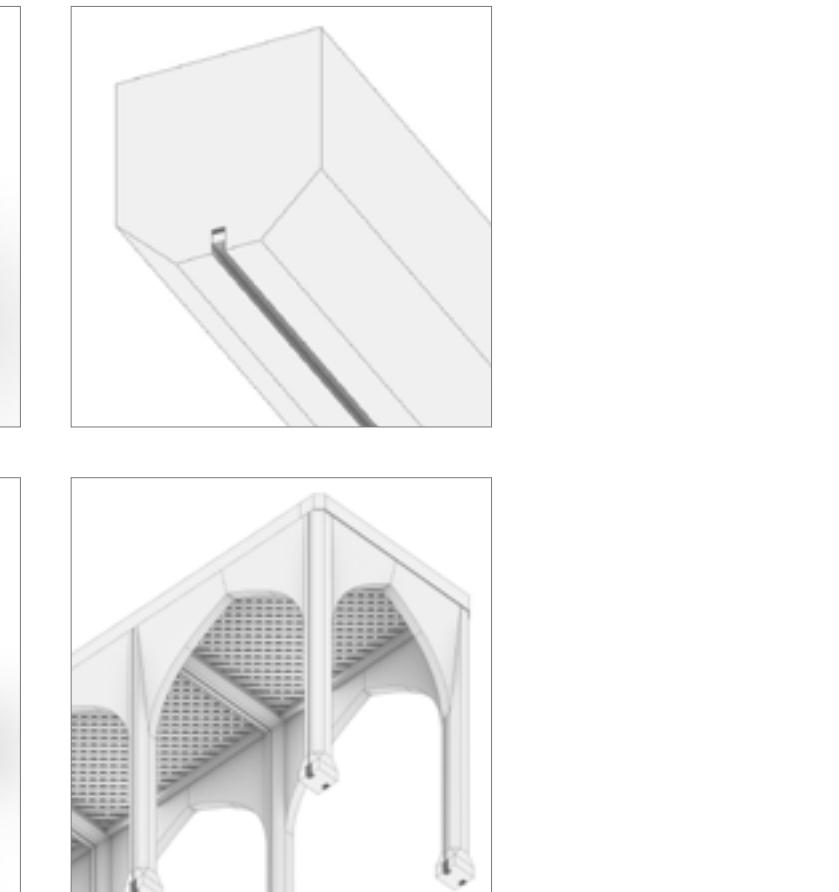


Responsibilities

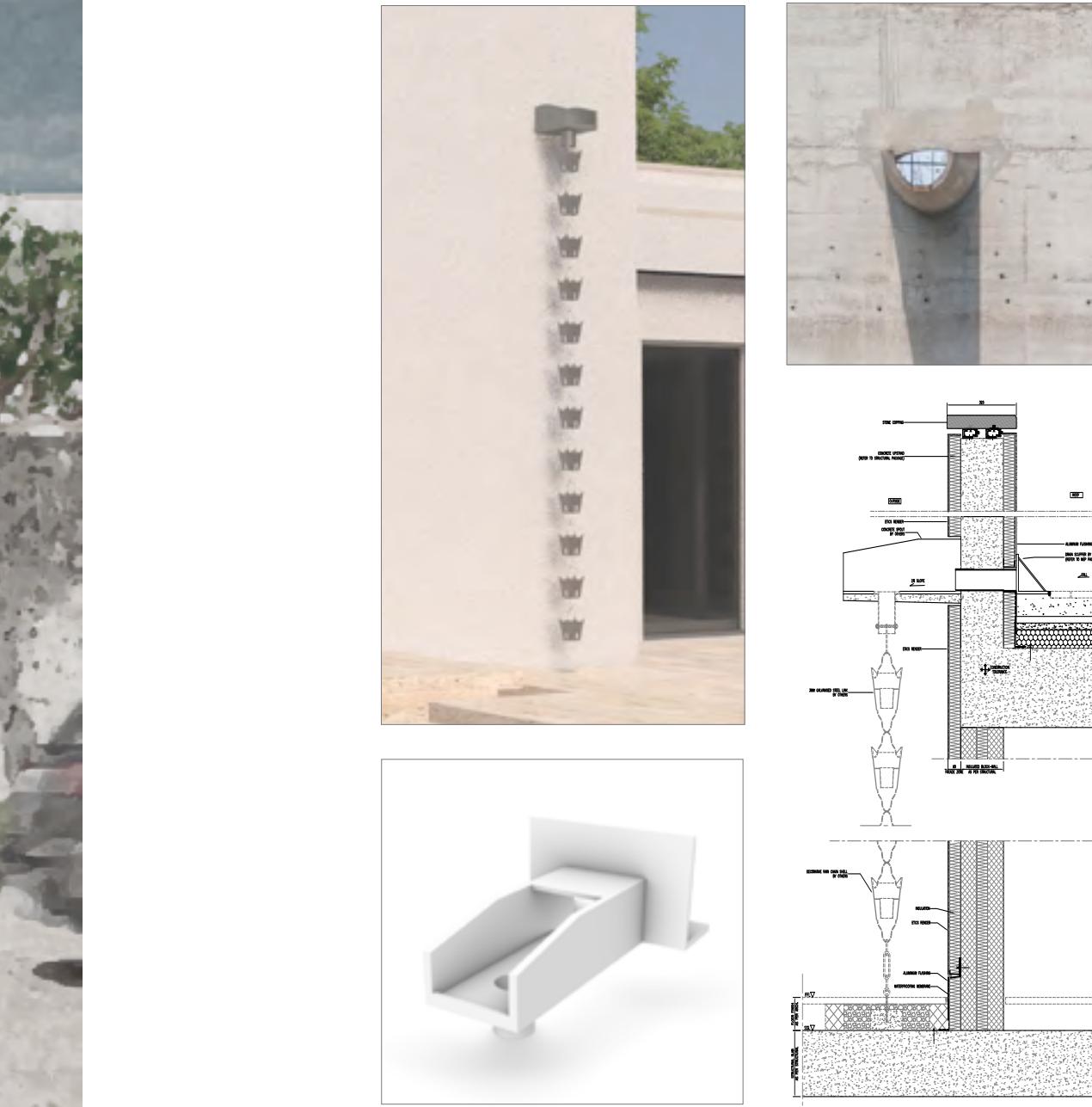
- Preliminary design - cultural and contextual research and analysis.
- Preparing concept design proposal and presentations.
- Producing renders and visuals for concept and schematic level presentations.
- Developing layouts for common areas, parking and standard apartment units.
- Coordination with Structure, MEP and Facade engineers.
- BIM - Systematic and detailed modelling - Architecture and Interior Design.
- Preparation of drawing packages for all stages - Concept to IFC and authorities submissions.



The architectural language of the embassy seeks to embody Omani heritage by referencing elements from culturally significant monuments in Oman. Bespoke design details were developed for shading elements, column bases with integrated lighting, facade patterns, rain chains, etc.

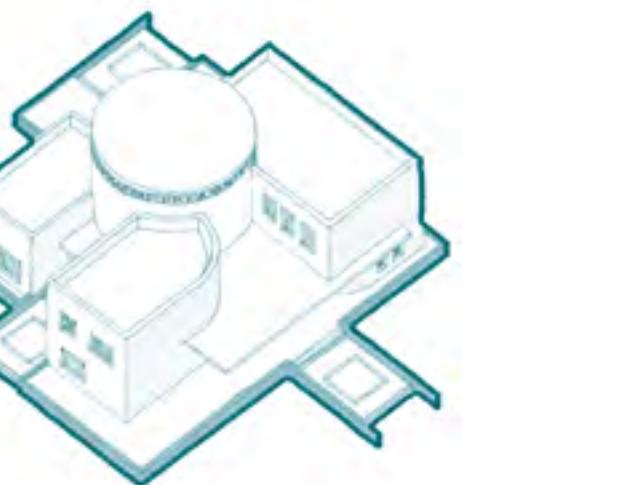


Colonnade lighting details



Rainwater spout and Rain-chain detail

03



EMBASSY IN KUWAIT



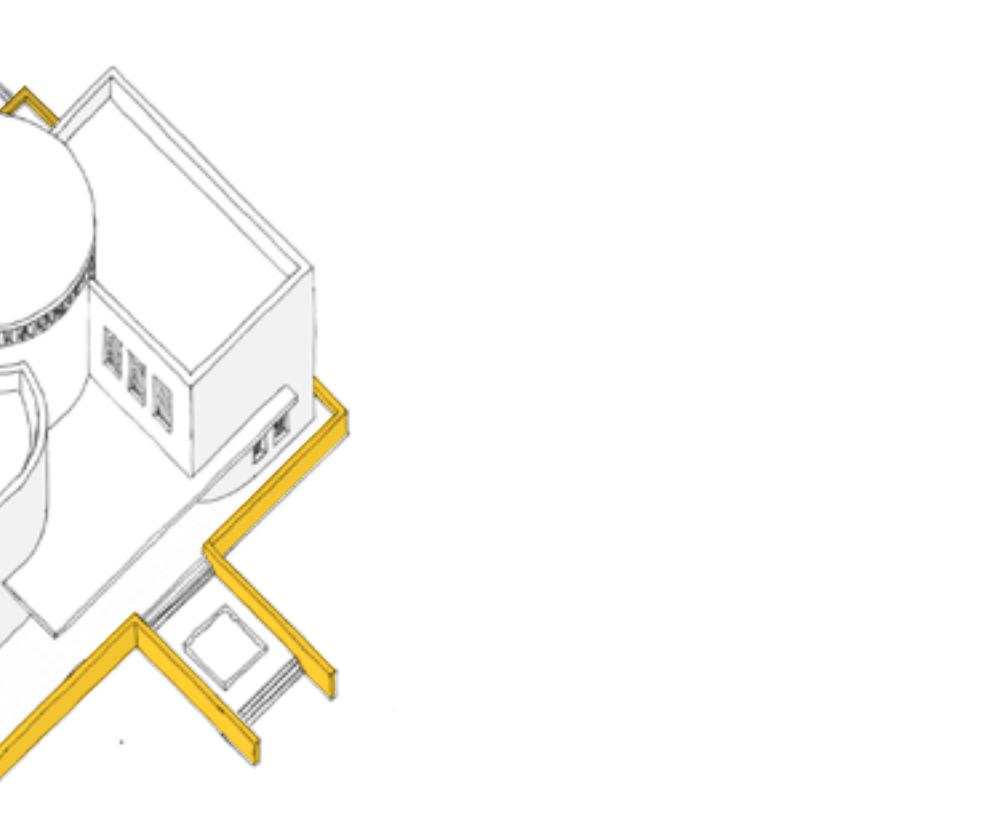
EDGE ARCHITECTS



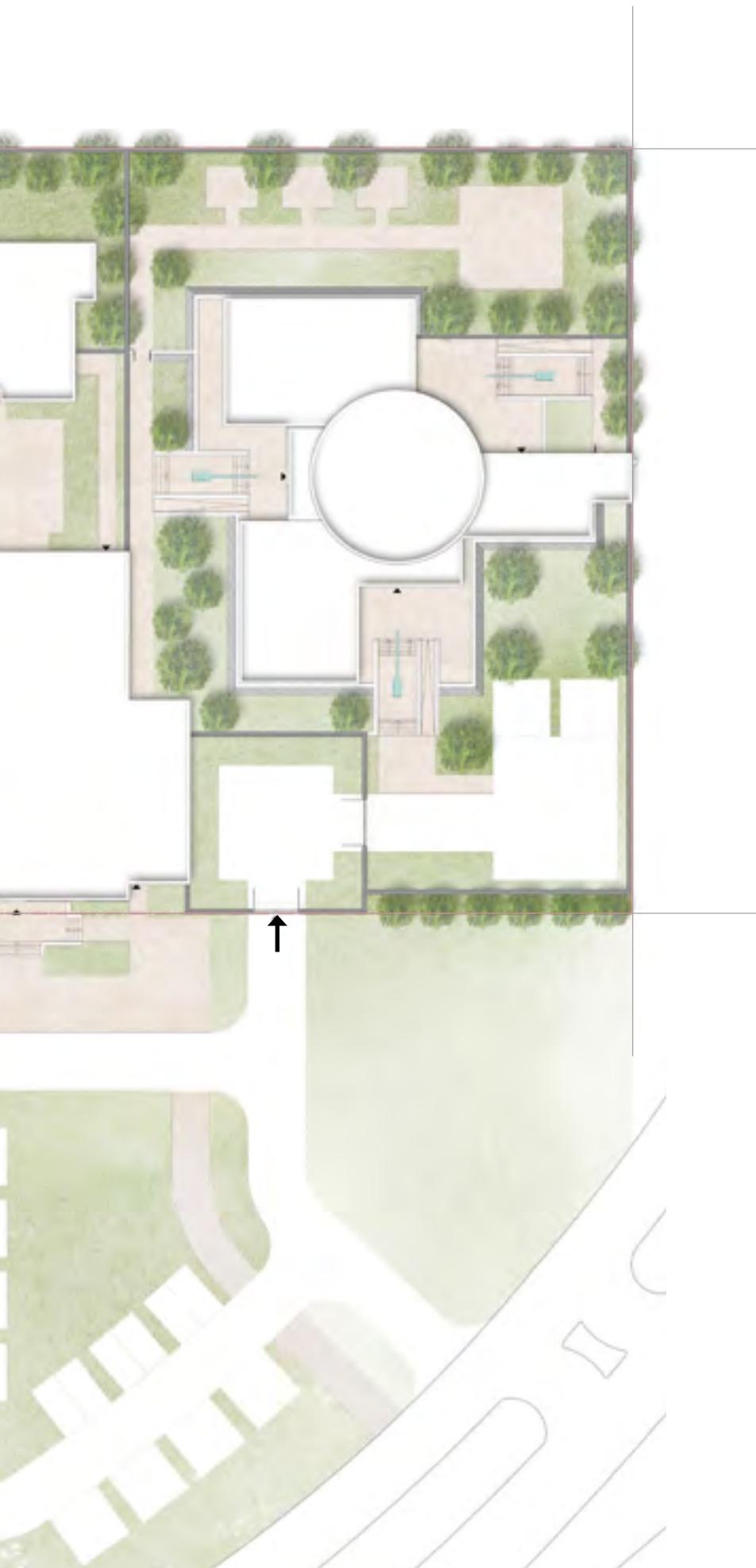
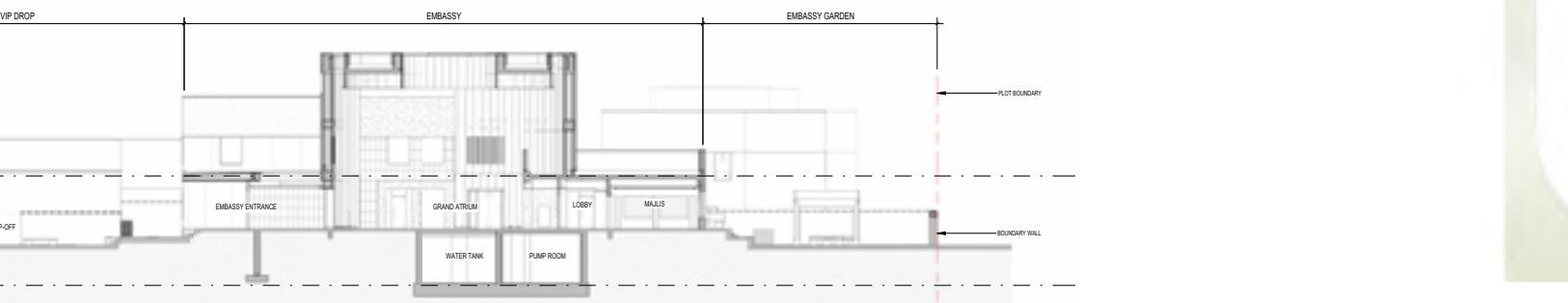
EMBASSY IN KUWAIT

Client:	Foreign Ministry of Oman (FMO)
Location:	Kuwait City, Kuwait
Local Architects:	PACE, Kuwait
Category:	Civic, Residential
Site Area:	5,500 m ²
Project Area (BUA):	2,600 m ²
Floors:	G+1
Status:	Tender

Following the design of the Embassy in Abu Dhabi, EDGE were appointed by the FMO to design another embassy for Oman based in Kuwait. The project used the same framework of narrative driven design, however the design looked at telling a different story about the culture of Oman.

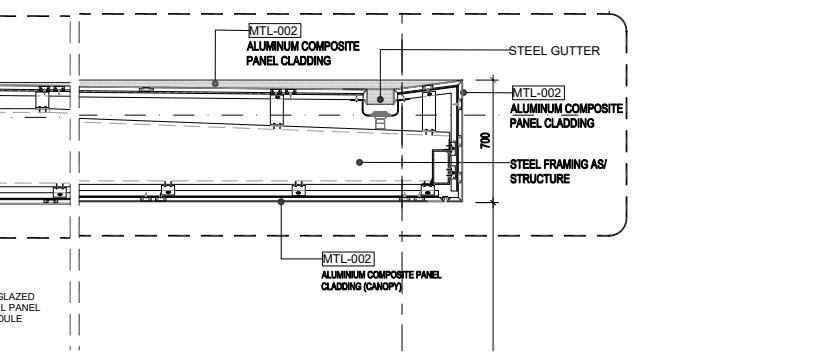
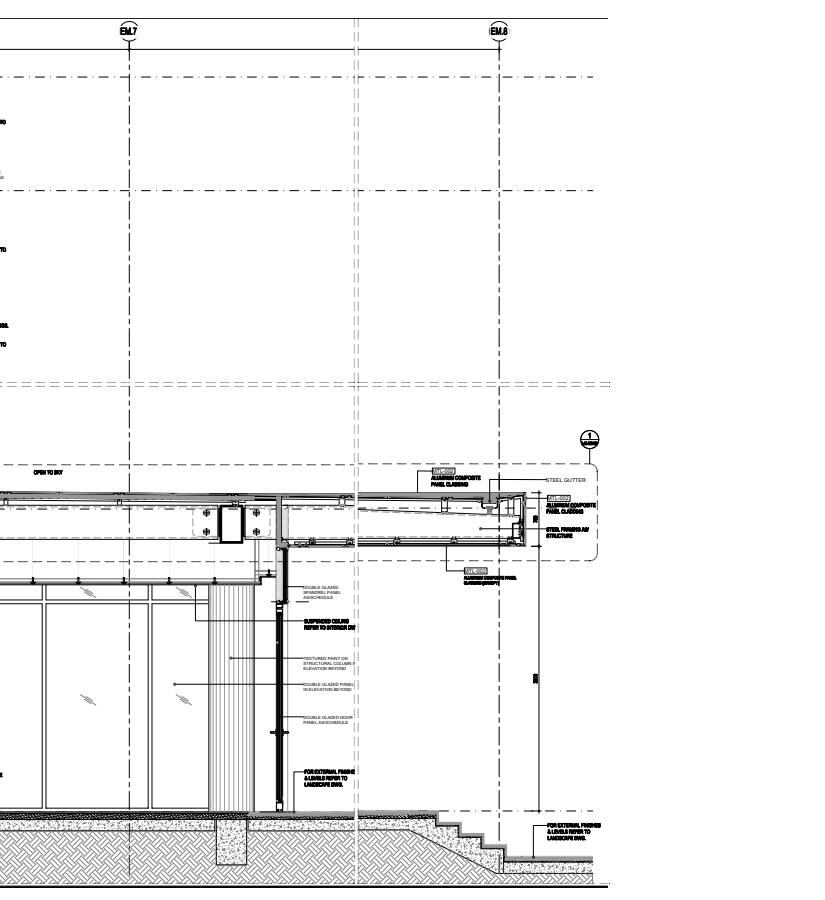


The architectural design of the embassy takes inspiration from Omani forts that built with massive structures that stand on terraced hills - The design adopts a similar language featuring curved masses and varying levels creating interesting internal volumes and spaces.

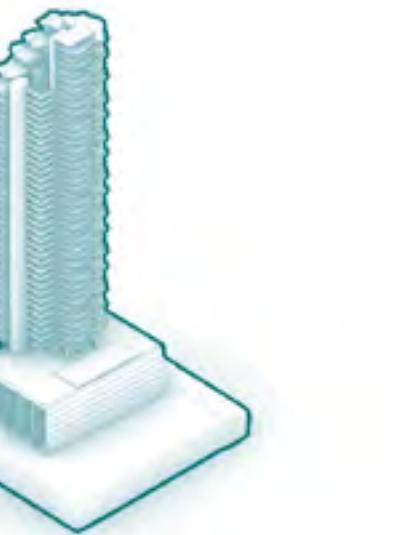




- Responsibilities**
- Preliminary design stage - Cultural and contextual research and analysis.
 - Concept design proposal and presentations preparation.
 - Producing renders and visuals for concept and schematic level presentations.
 - Developing layouts for common areas, parking and standard apartment units.
 - Coordination with Structure, MEP and Facade engineers.
 - BIM - Systematic and detailed modelling - Architecture and Interior Design.
 - Preparation of drawing packages for all stages - Concept to Schematic Design.
 - Design guardianship from Detailed design to Tender documentation.



04



CHIC TOWER



EDGE ARCHITECTS



CHIC TOWER

Client:

Damac

Location:

Dubai, UAE

Category:

Residential, Retail

Project Area

45,500 m²

Height:

G+36

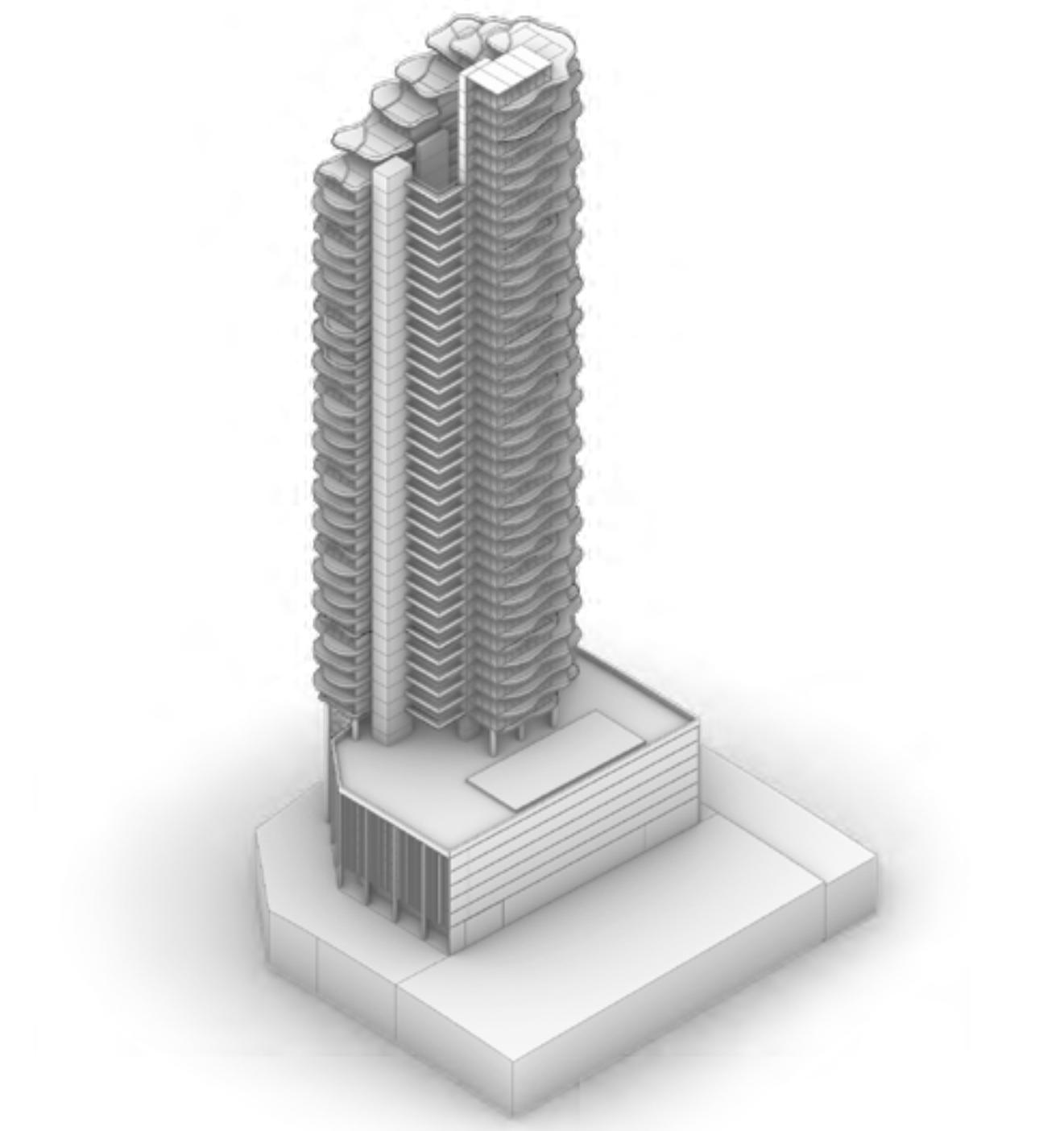
Concept Design for a residential tower located on the Dubai Canal in Business Bay. The tower includes varying apartment typologies from Studio to Luxury 4 bedroom apartments with additional duplex apartments located within the podium overlooking the water. The project was successfully delivered to Damac in 2023 with construction currently underway.



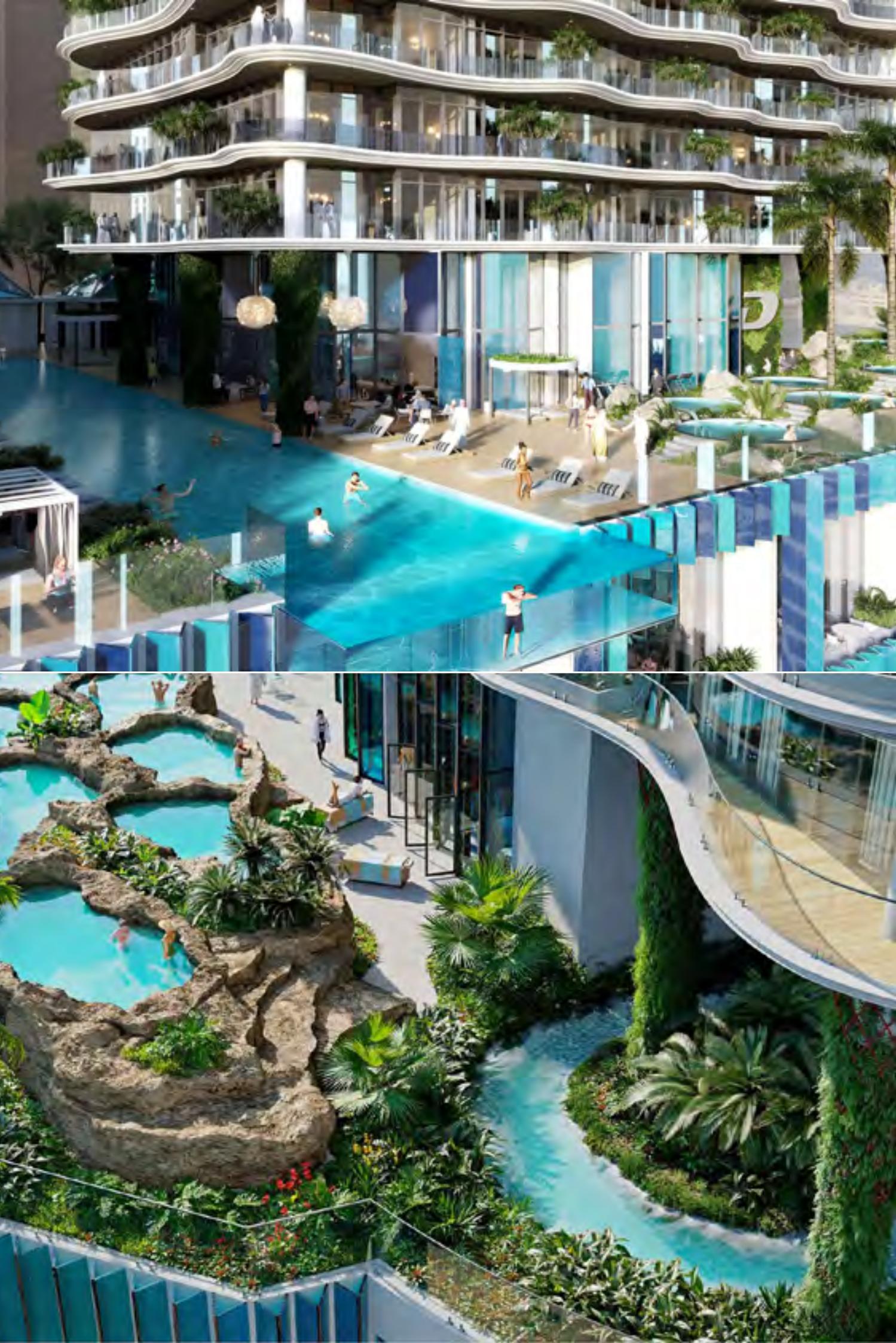
Design scope for Chic Tower was limited to concept design. The design process started off with developing a unique form that followed the client brief - Dynamic, luxurious and youthful.

Early planning stages were focused on creating an efficient podium layout with parking, amenities and ancillary spaces. Studio, 1-Bed, 2-Bed, and 3 Bed units are designed based on standard modules that dictate the unit sizes.

Special attention was given to maximising views and incorporating curved balconies while maintaining privacy for each unit. The varying shapes of balconies at every level posed the challenge of creating excessive unit types - thus a simpler approach was taken to limit the curved balcony outlines to 2-3 variations.



The tower adopts a soft aesthetic mimicking its neighbouring waterfront.





Responsibilities

- Preparing concept design proposal and presentations.

- Form development and 3D modelling.

- Producing renders and visuals for concept presentations.

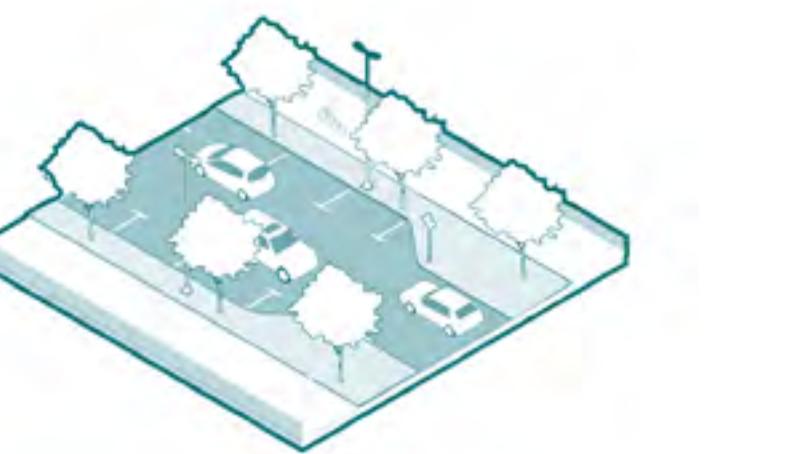
- Layout planning for typical levels and apartment units.

- Producing rendered plans and views in coordination with Damac marketing team.



Rendered unit plans produced for marketing and sales brochures

05



AL ROWAIYAH MASTERPLAN



EDGE ARCHITECTS



AL ROWAIYAH MASTERPLAN

Location: Al Rowaiyah, Dubai, UAE

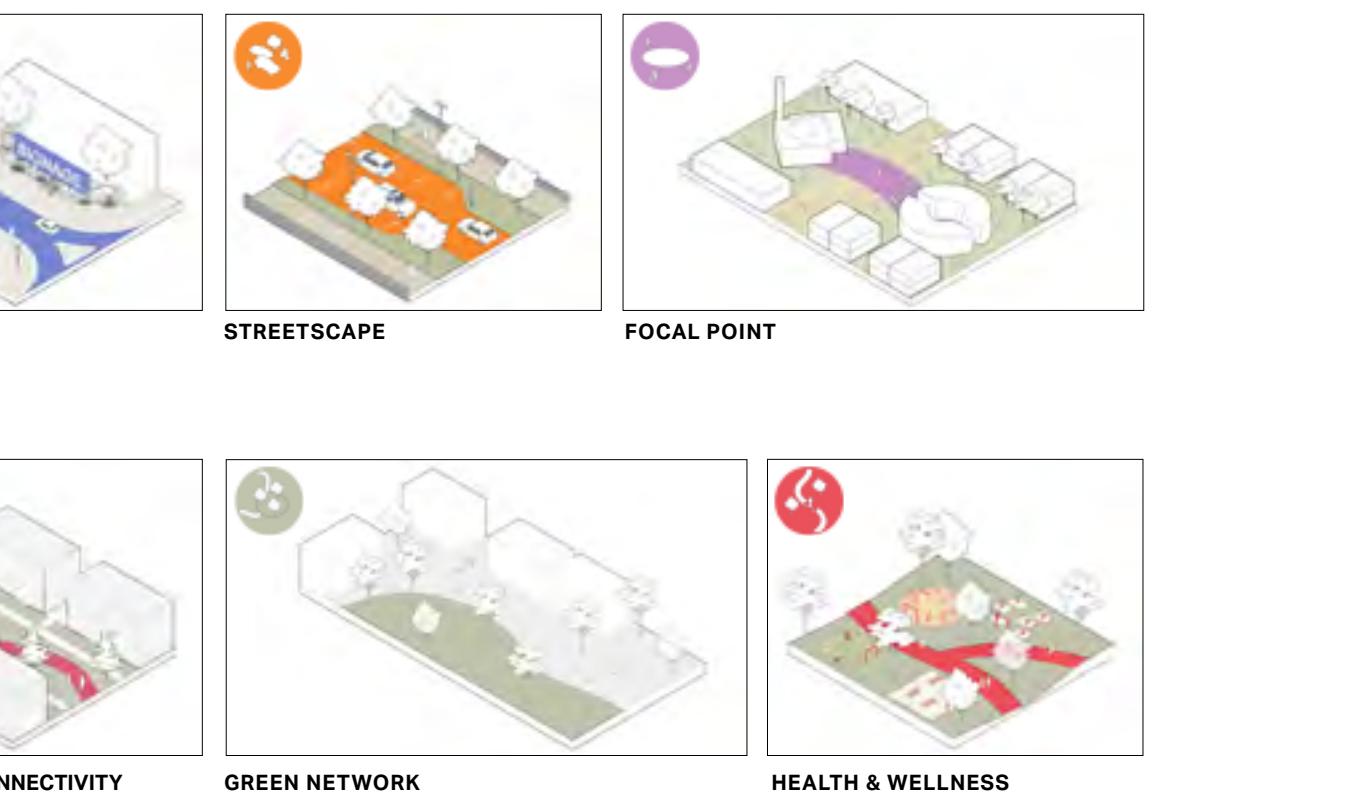
Category: Residential, Retail

Plot Area 534,050 m²

Total GFA: 403,250 m²

Al Rowaiyah Masterplan in Dubai embodies a holistic approach towards urban design. The client seeks to develop a townhouse community that incorporates the Dubai 2040 Masterplan focusing on accessibility, community well-being, and sustainable living.

The masterplan includes 420 townhouse plots, 7 mixed-use plots with G+3 buildings, along with amenities, public facilities and utility areas.



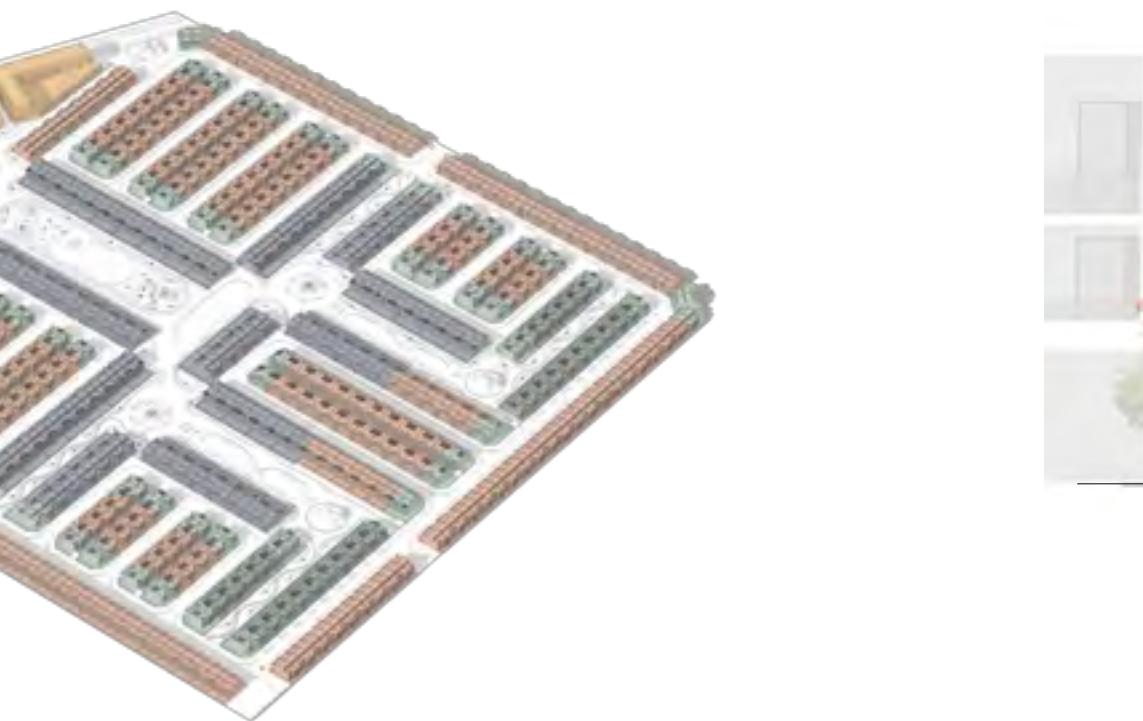
The design narrative is structured around key elements that enhance the overall experience while promoting a healthy and vibrant lifestyle for residents and visitors alike.





Townhouse Typologies

The masterplan contains 4 types of villa plots with varied typologies based on plot location and surroundings. The distribution of plots is consistent with road features and adjacent plots, leaving larger plots on the park periphery and the other plots evenly distributed throughout the plan.



Sketchup + Photoshop Elevations

Architectural Design Guidelines

Design guidelines were developed for the architectural language of the townhouses - following a contemporary style with clean forms, minimal ornamentation, and functional design. The guidelines emphasise innovative use of space, materials, and technology to create an optimal and aesthetic urban environment.

Sample elevations were created to show the design intent of the townhouse facades. The facades incorporate large windows, flat roofs, and simple geometric forms to achieve a sleek and uncluttered appearance.

The document sets guidelines on factors such as facade design elements & materials, building massing & heights, villa entrance, balconies & terraces, openings & fenestration and parking spaces.



06



YAS SOUTH MOSQUE



X-ARCHITECTS



YAS MOSQUE

Location:	Yas Island, Abu Dhabi, UAE
Client:	Miraal
Structure:	Concrete Structure + Steel + GRC Building Envelope.
Site Area:	2854.69 m ²
GFA:	1576 m ²
Floors:	G+1

The Yas Mosque in Yas Island, Abu Dhabi is a part of the Yas South Masterplan. The Mosque is developed as a Jame'e Mosque for 776 worshippers. The Mosque provides residences for the Imam and the Muathin which are consolidated within the overall mosque mass.



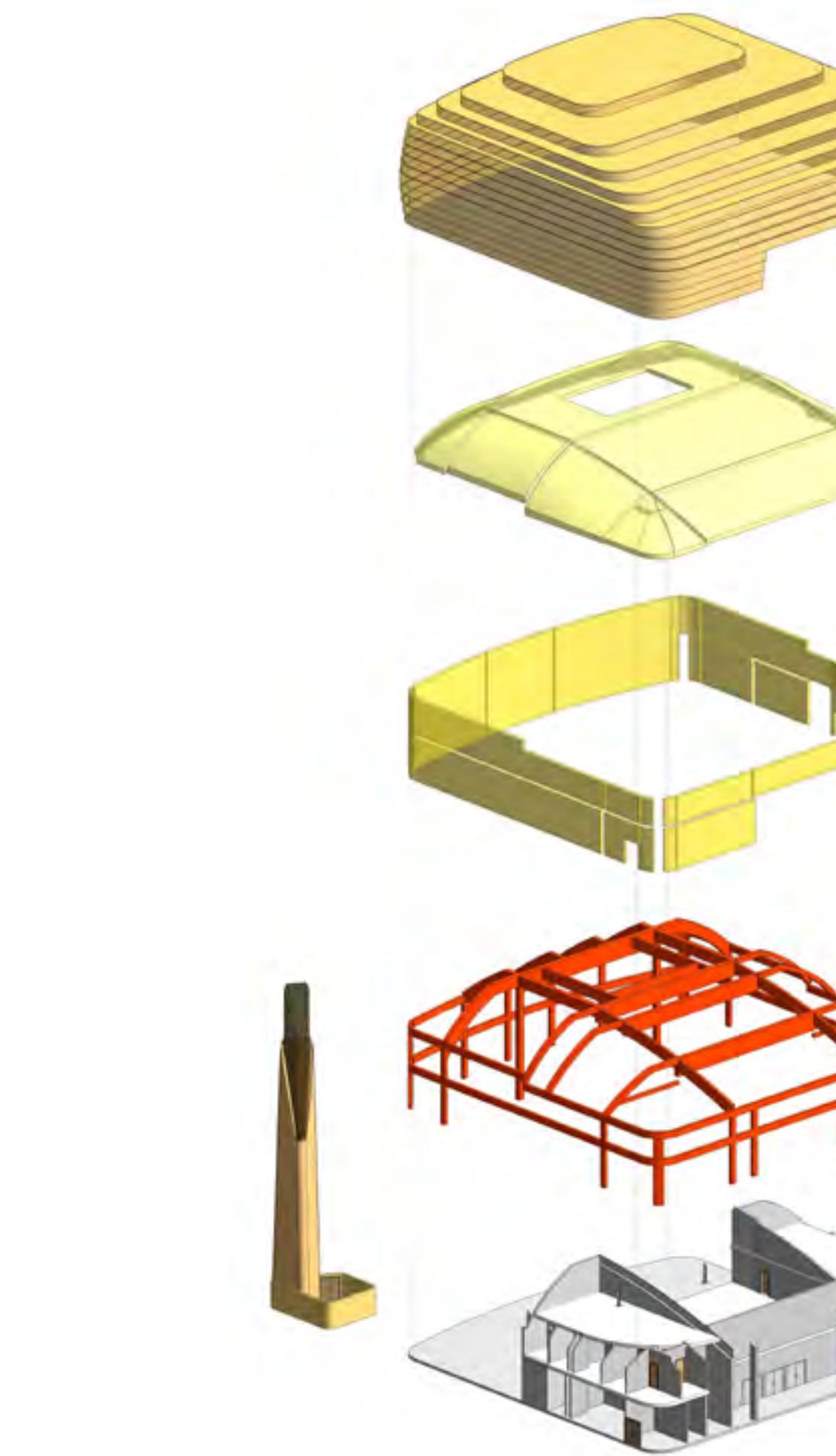
Responsibilities

During the 2019 project lifecycle, a comprehensive Revit model was produced to identify and resolve conflicts between architectural, structural, and envelope elements.

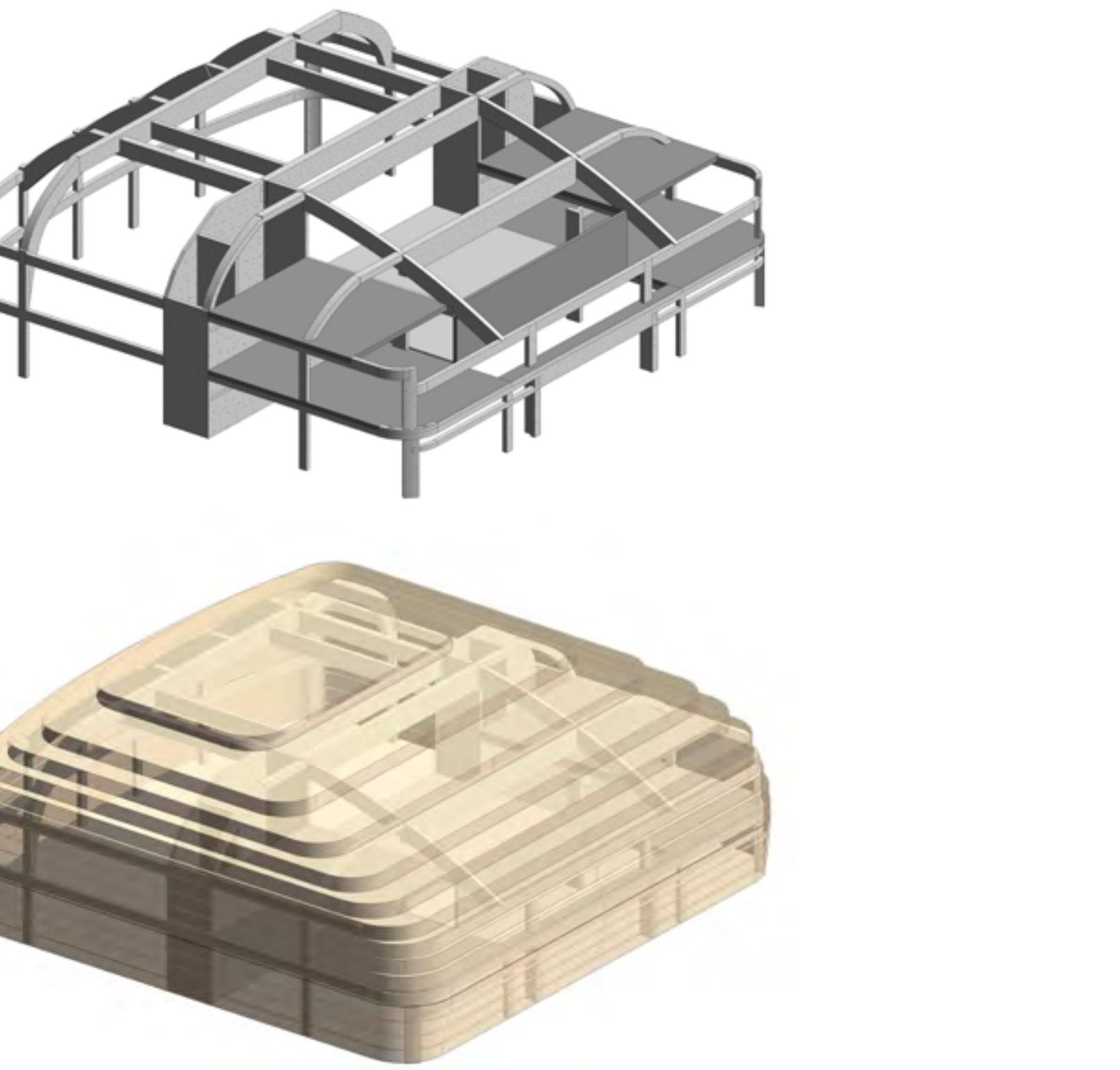
Due to the requirement for a high Level of Detail, specialized modeling responsibilities were assumed, involving direct coordination with subconsultants to align requirements.

The model was produced solely from 2D documentation, with significant emphasis placed on the accurate generation of curved concrete structural masses. Interferences between the structural shell and the interior/exterior skins were successfully resolved through this process.

Furthermore, the model served as the primary resource for deriving technical sections and producing 3D visualizations to communicate the design intent to stakeholders.



Building Structural Frame, Exterior and Interior Wall Systems, Curved Concrete Shell Roof and Building Envelope Skin modeled and represented in exploded diagrams.



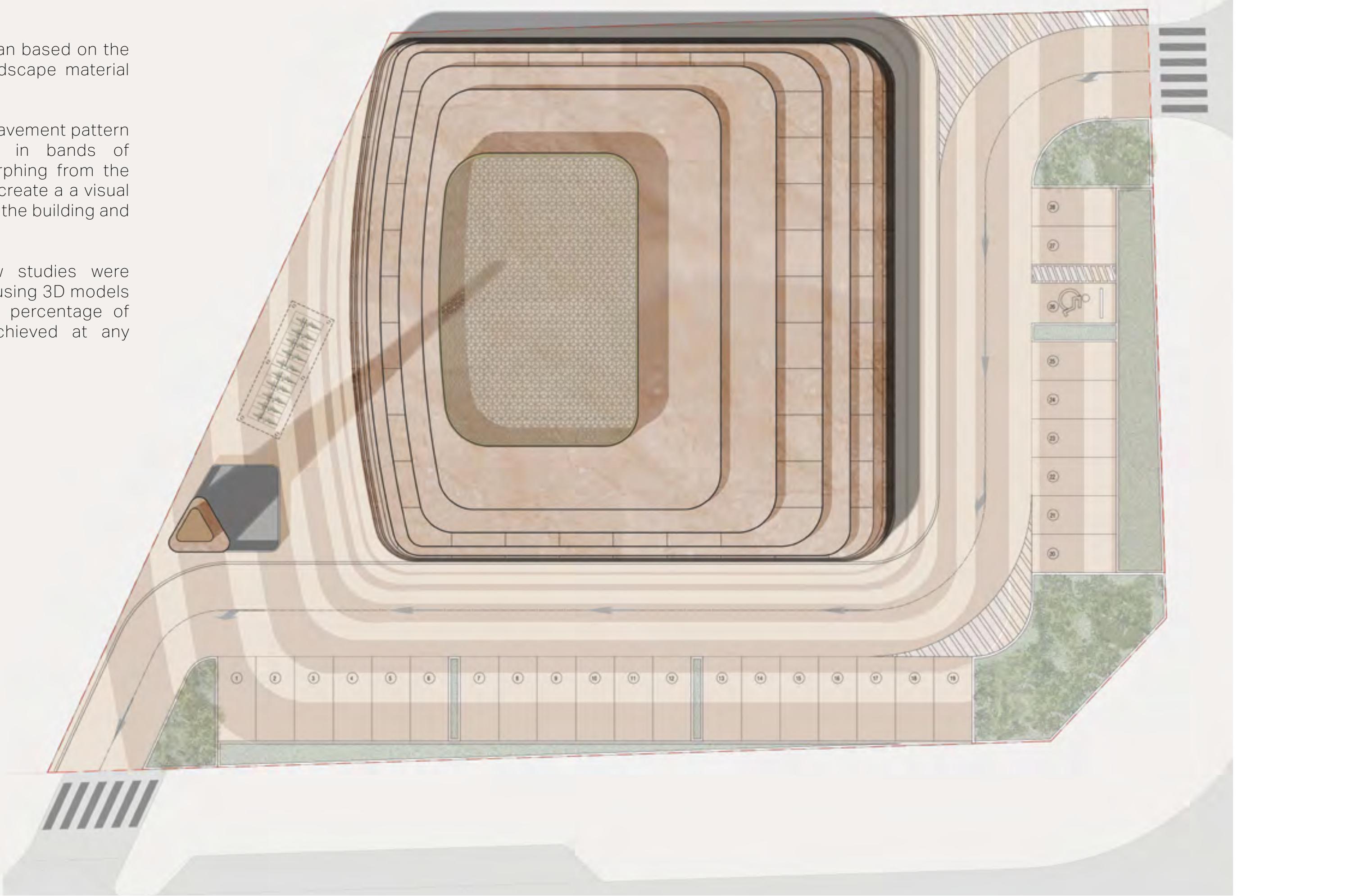
The structural frame and the building envelope were modelled and effectively used for clash detection between the structural members, interior elements and the exterior building skin.



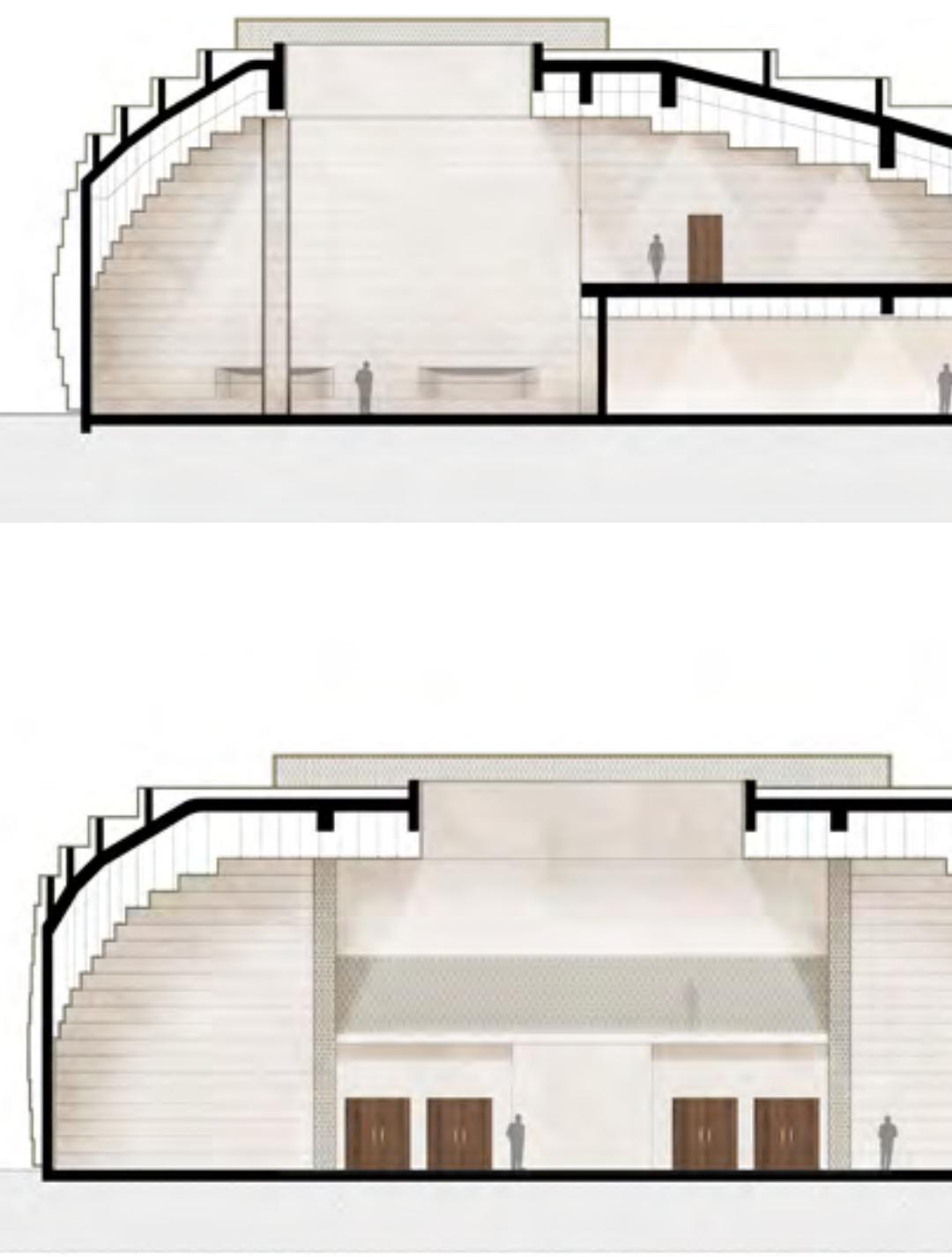
Rendered site plan based on the building and landscape material specifications.

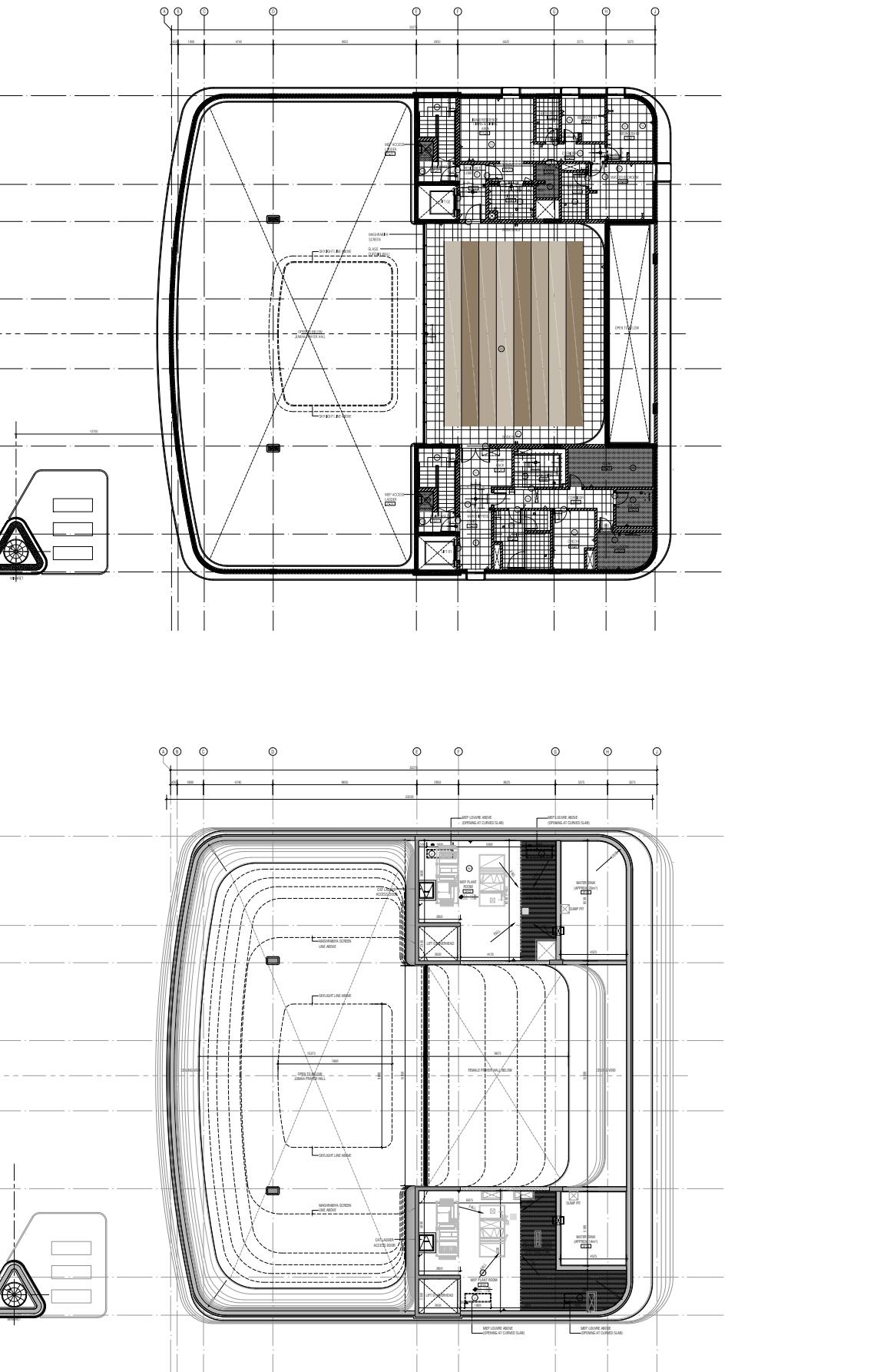
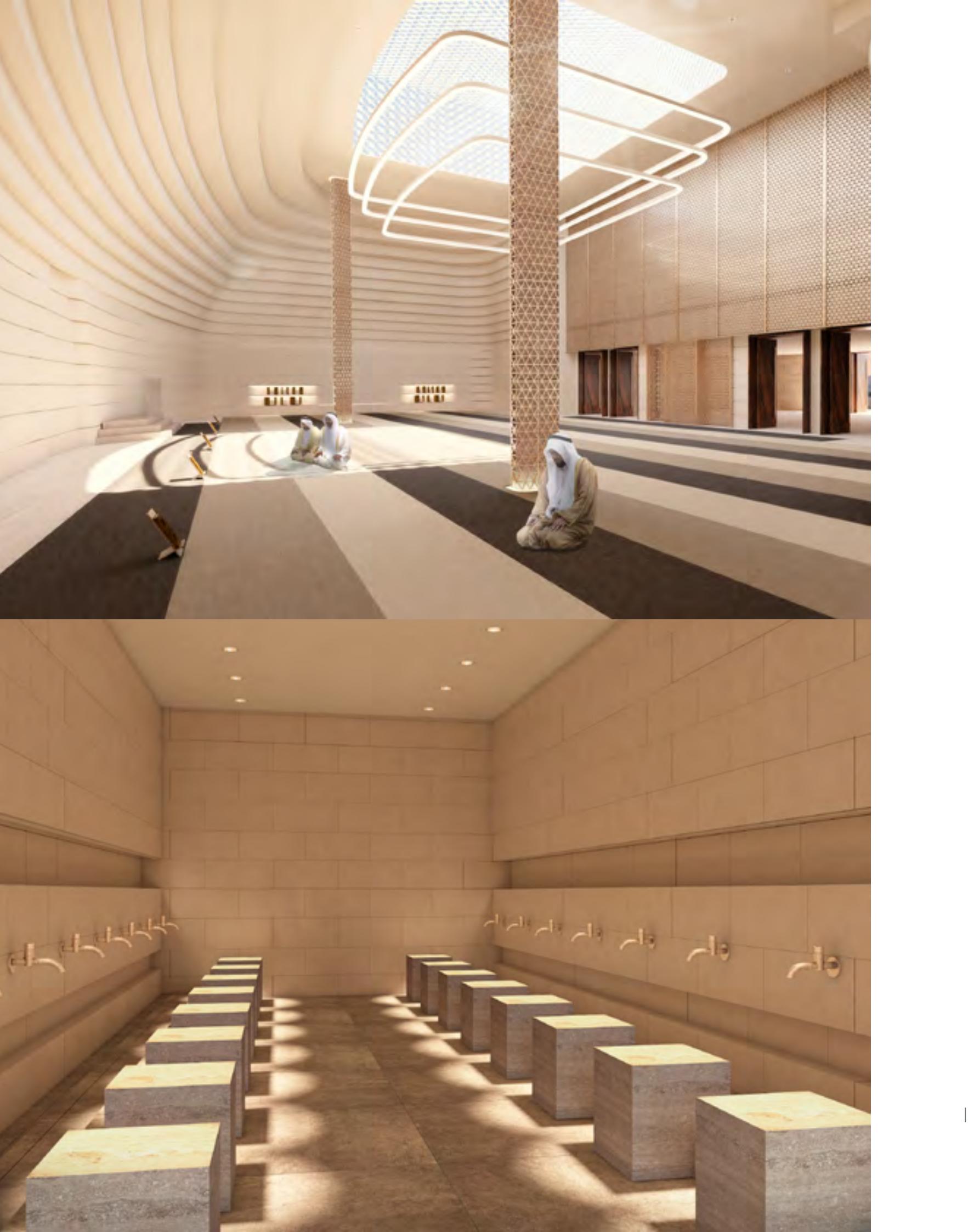
The landscape pavement pattern was configured in bands of two colours morphing from the building form to create a visual relation between the building and landscape.

Building shadow studies were also carried out using 3D models to calculate the percentage of shaded area achieved at any given time.

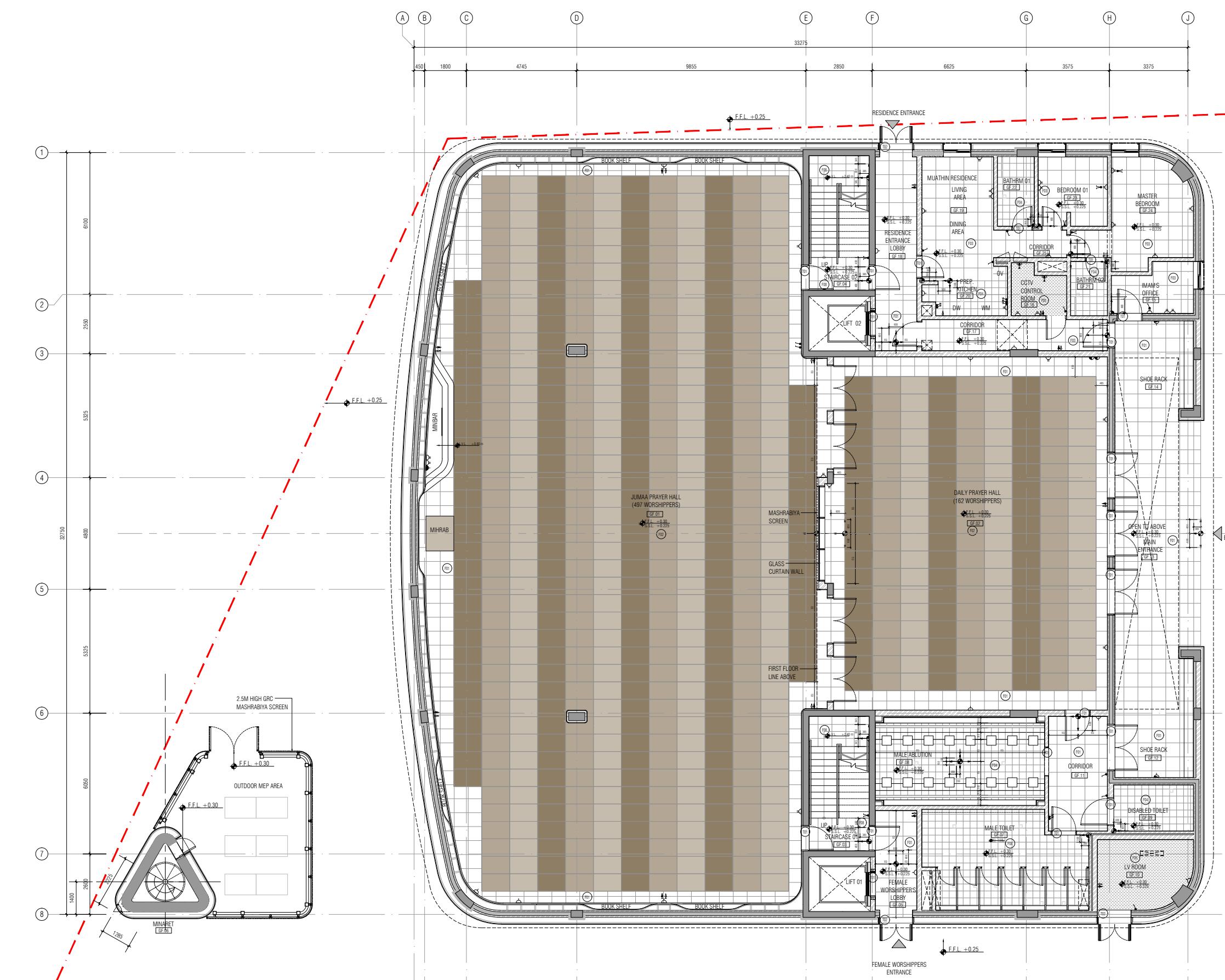


Building Section drawings rendered based on interior material specifications.



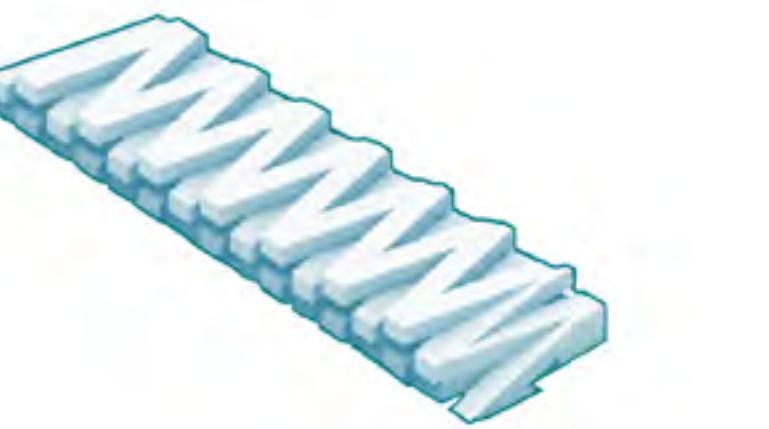


Interior Detailed Drawings with tiling layouts, material specifications and lighting design.



Ground Floor Interior Detailed Drawing

07



JUMEIRAH HOUSING



X-ARCHITECTS



JUMEIRAH HOUSING

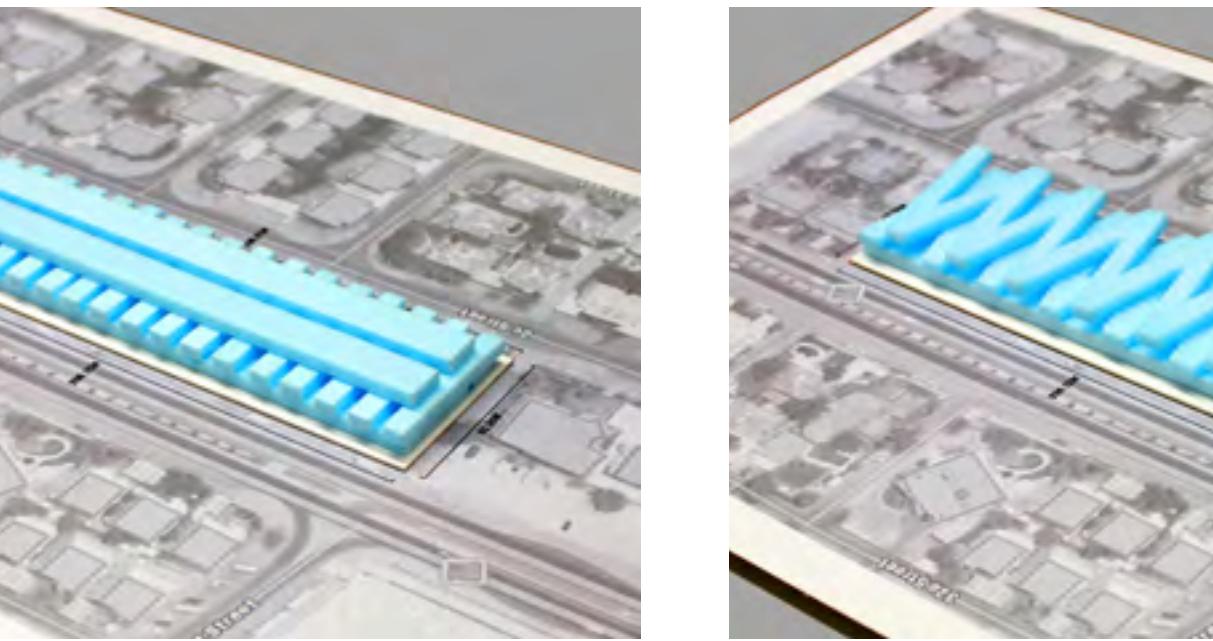
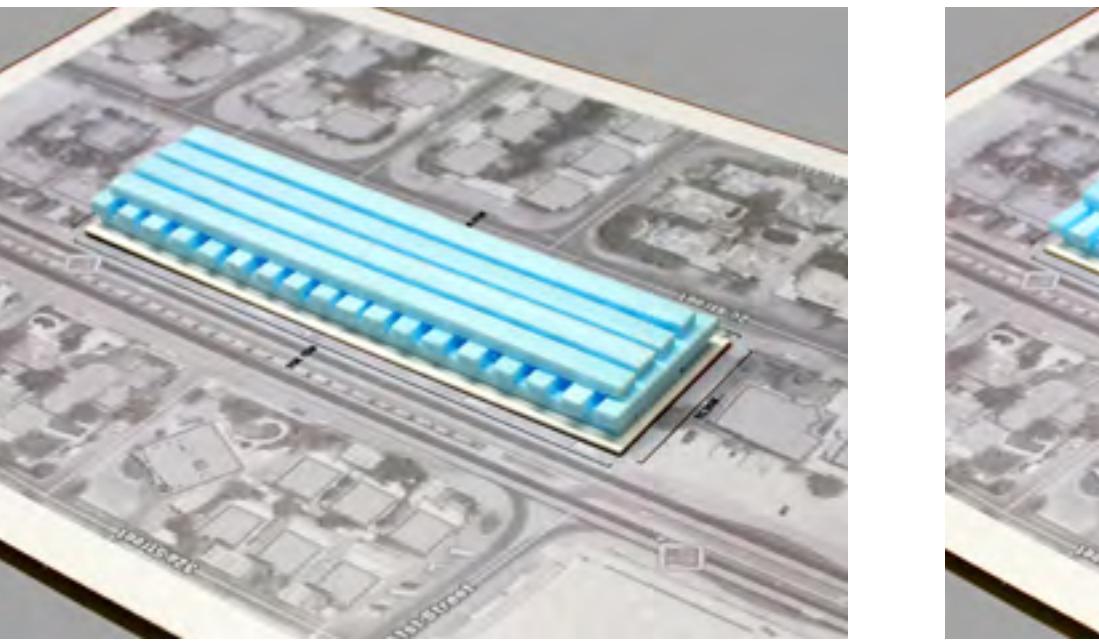
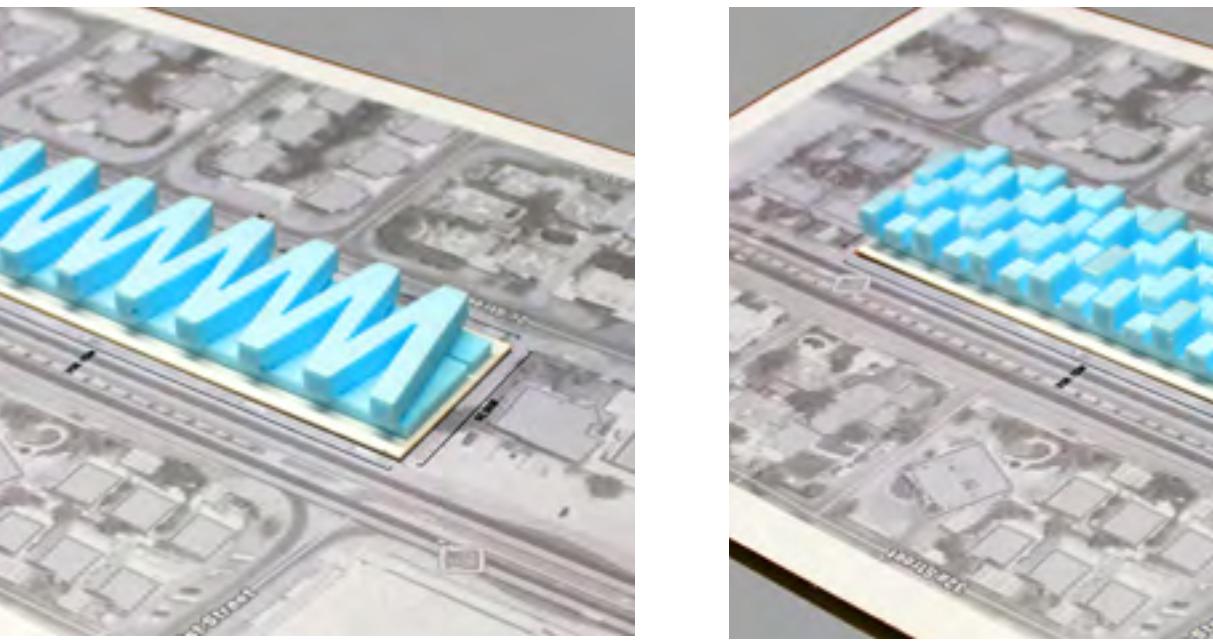
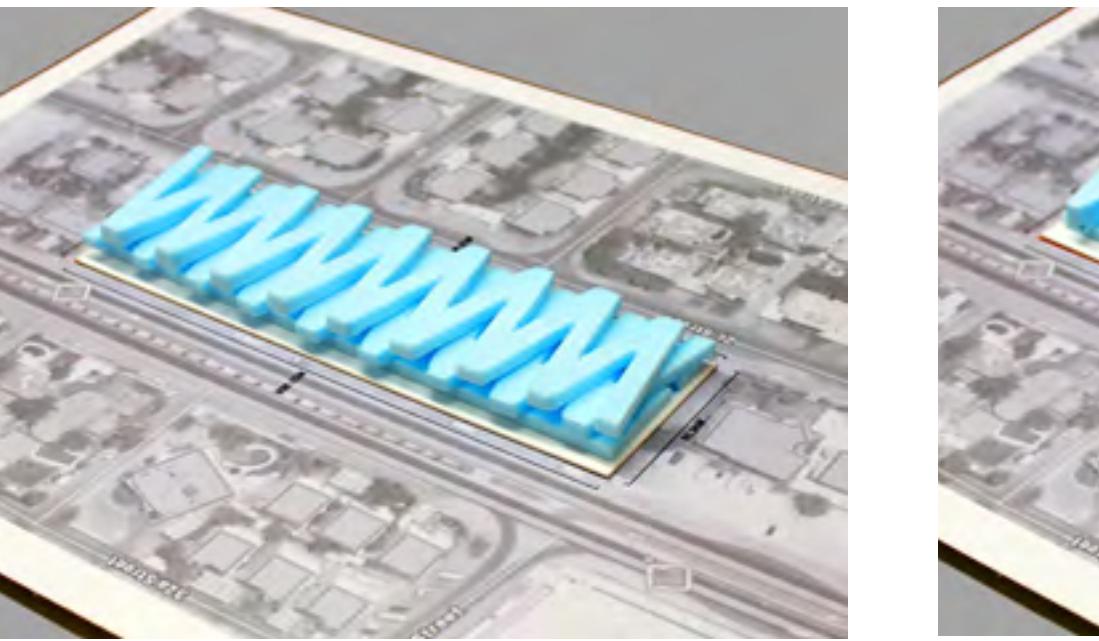
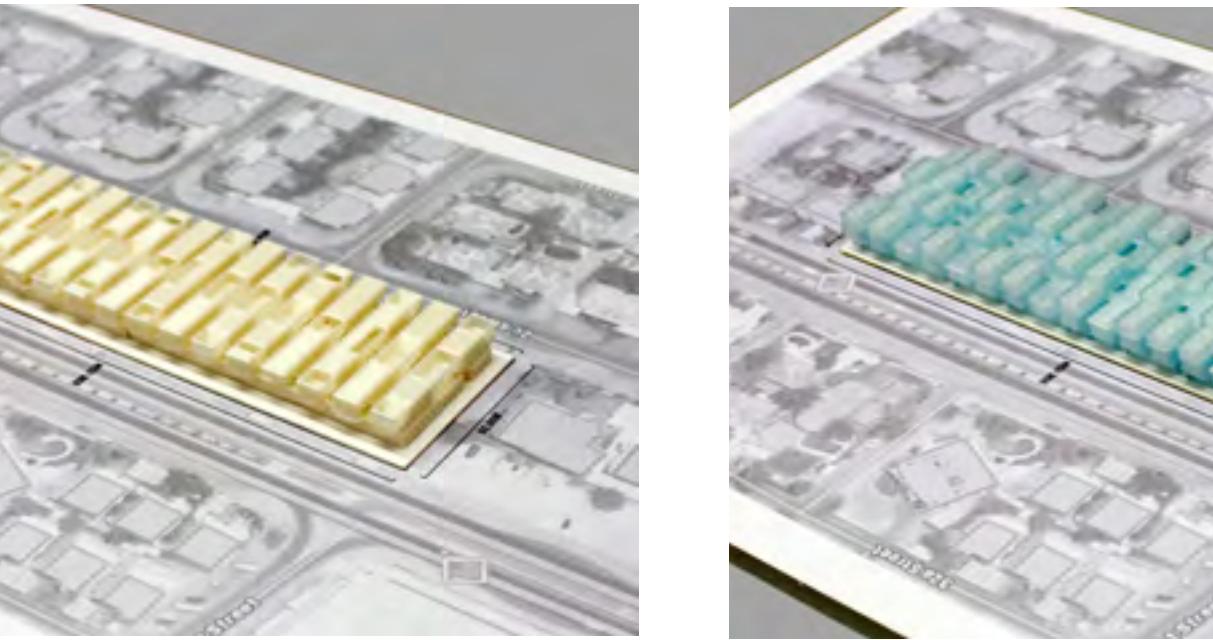
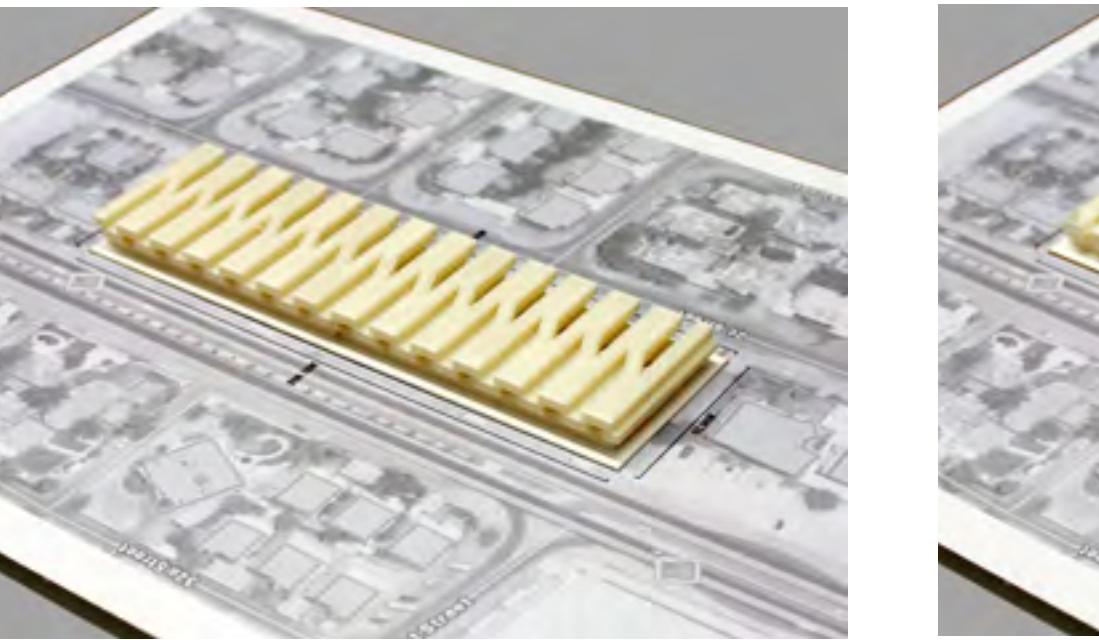
Location: Al Wasl, Jumeirah, Dubai, UAE

Category: Residential, Retail

Built-up Area: 35,000 m²

A Residential + Retail competition project at concept stage. The main objective was to create a holistic urban environment catering to the needs of a contemporary Dubai residence. The plot sits close to Jumeirah's main roads connecting the plot to many prominent landmarks in the city of Dubai.

At the conceptual design level, the scope of work included site and vertical zoning, form and space development and project visualisations using several physical study models.

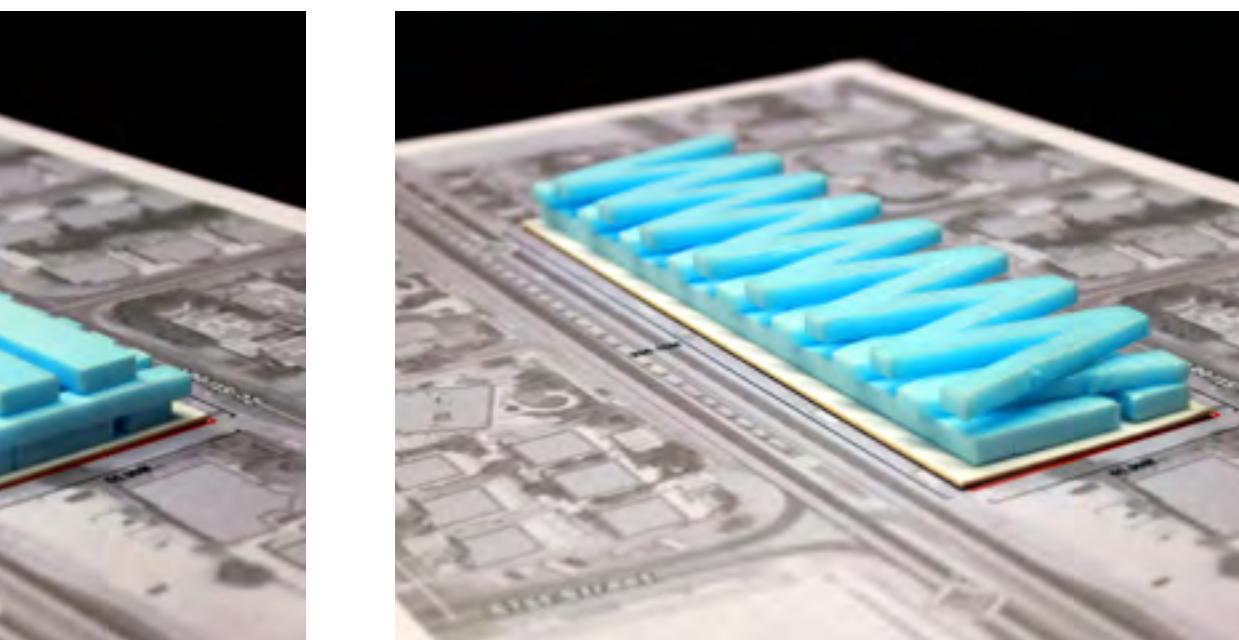
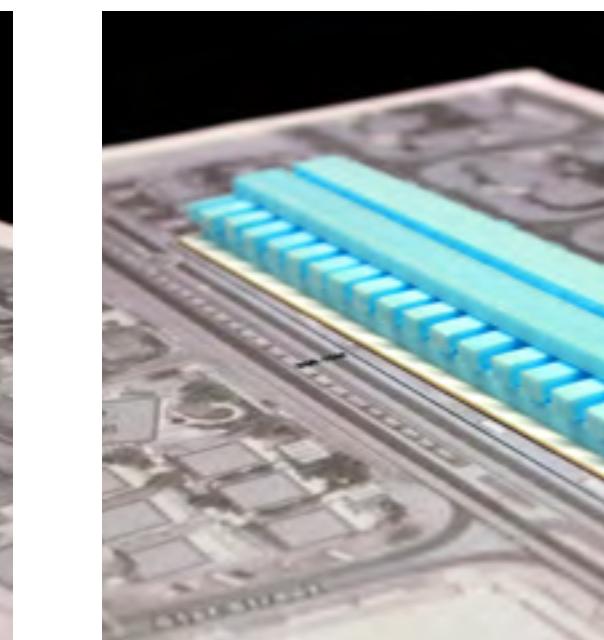
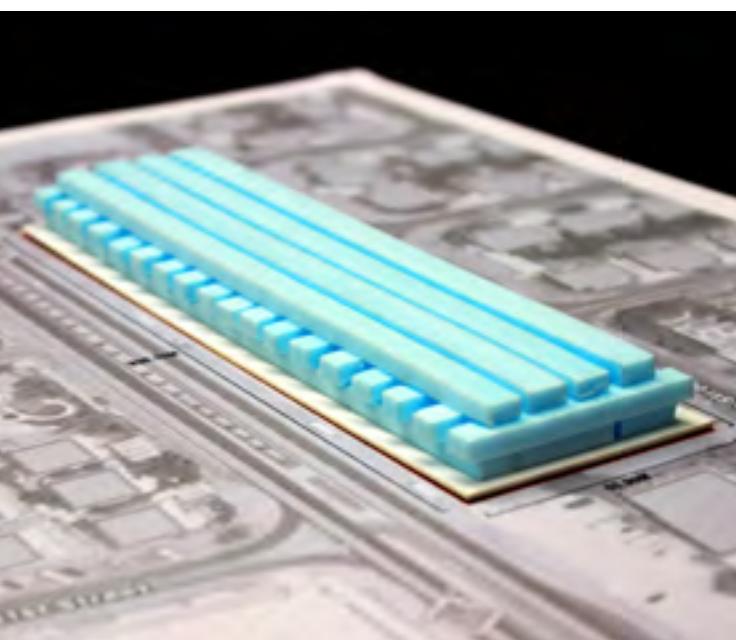
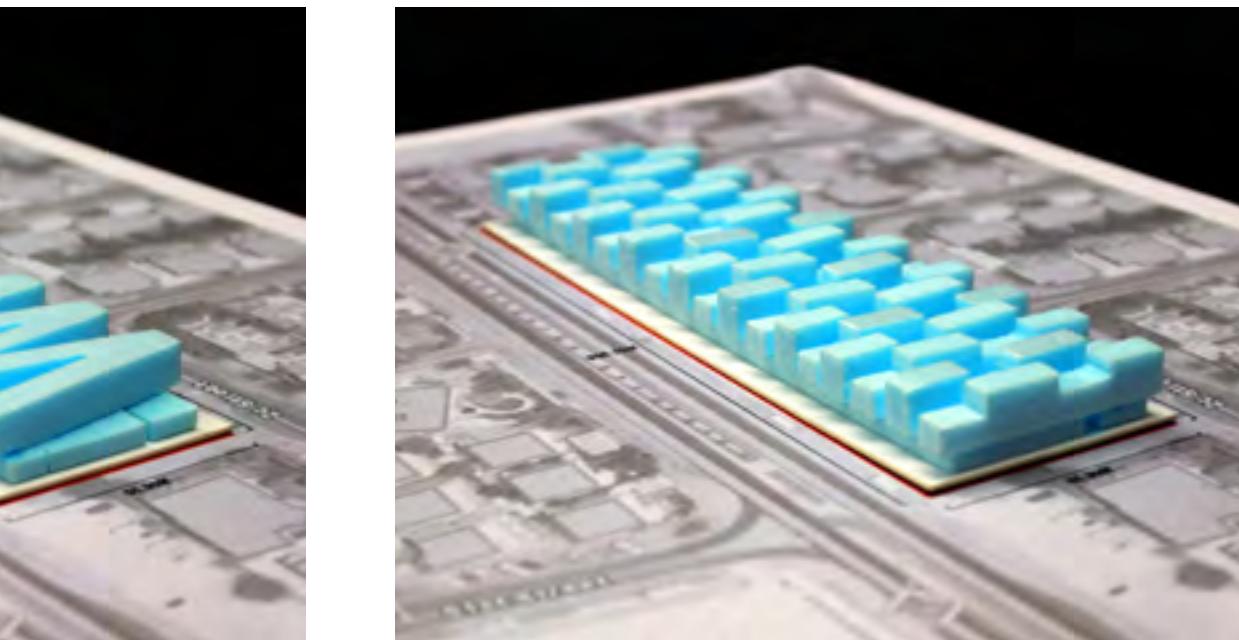
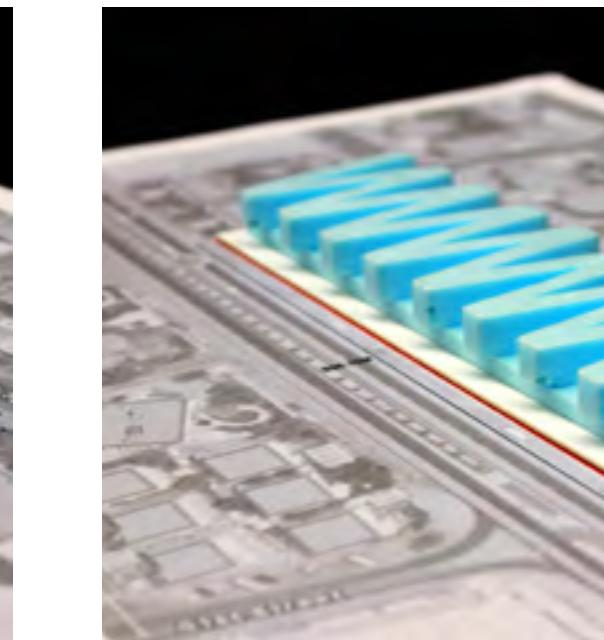
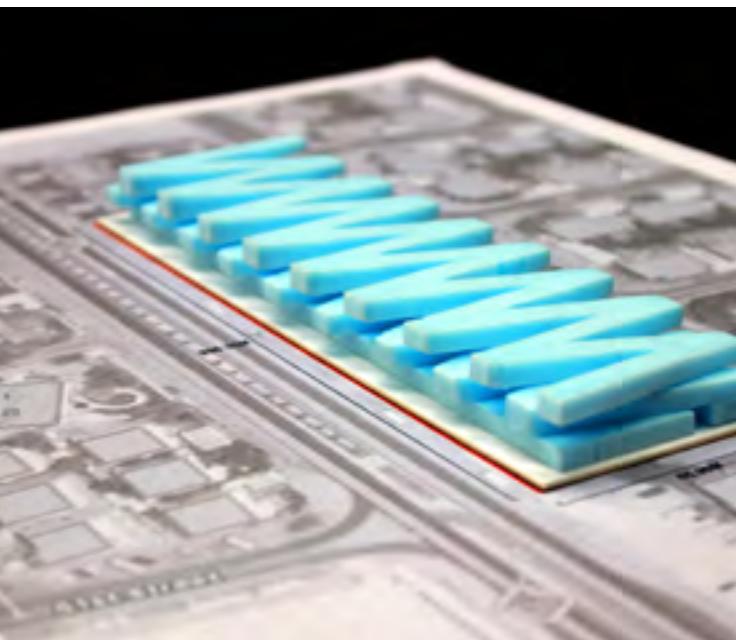
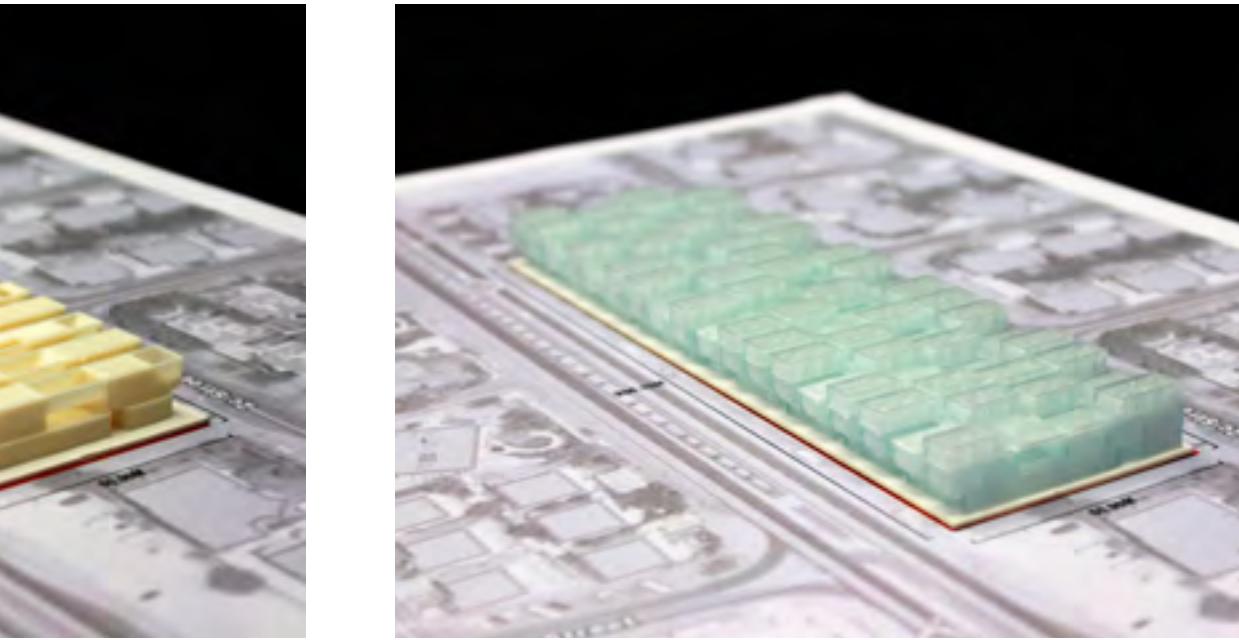
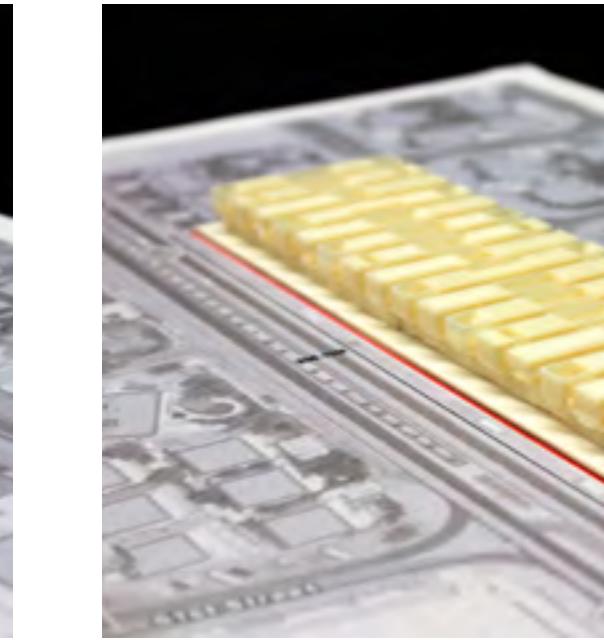
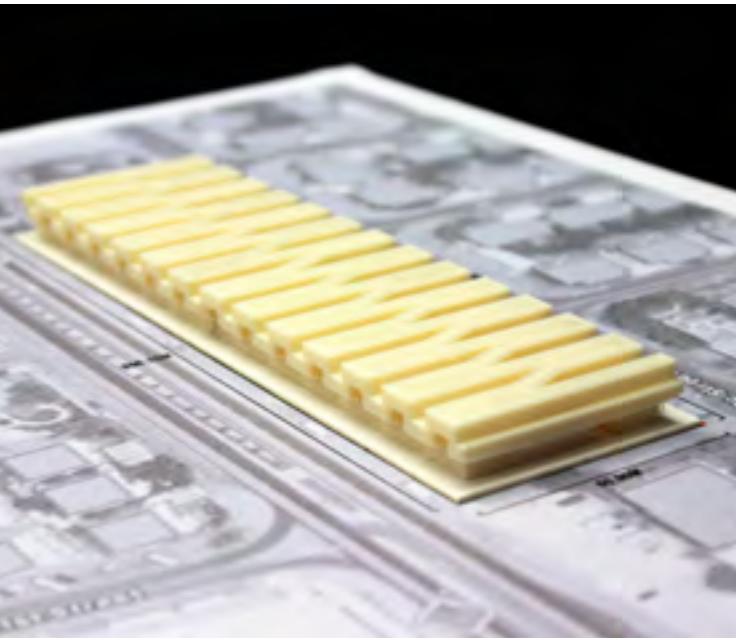
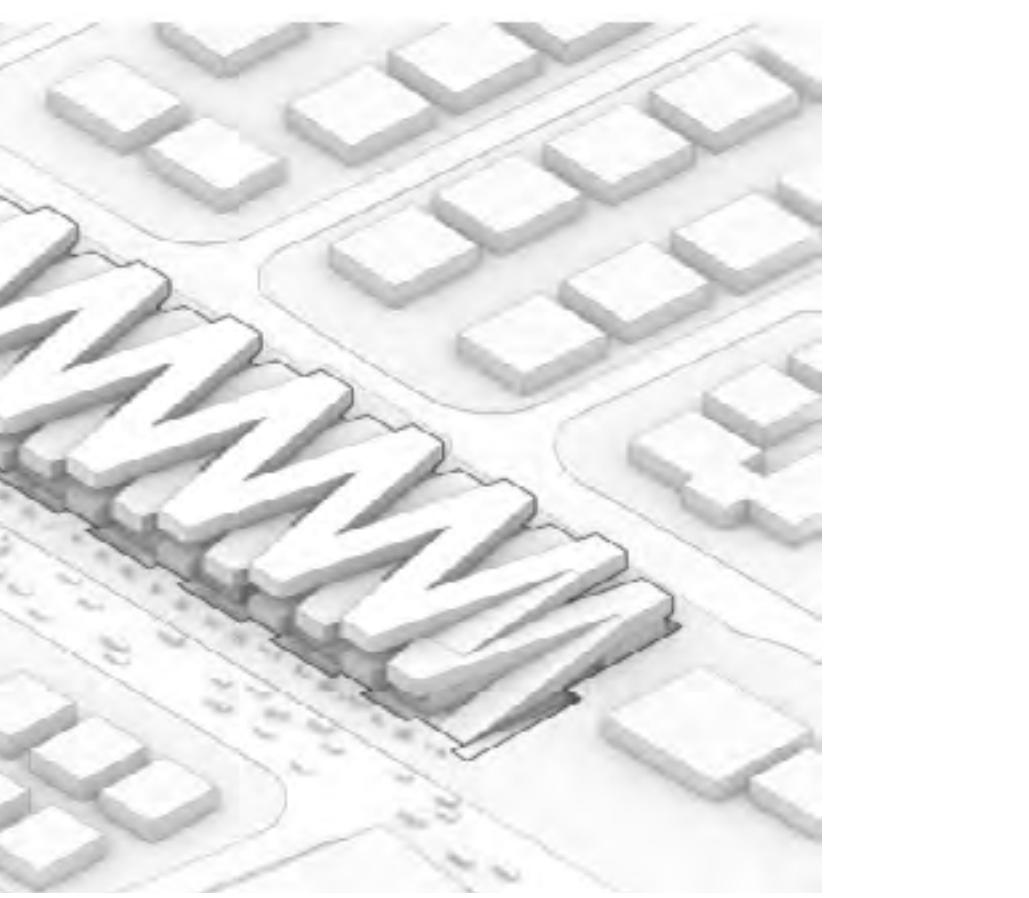


Physical study models - 3D printed (top 3) and hand-made foam models (bottom 6).



Design Approach - Form Development

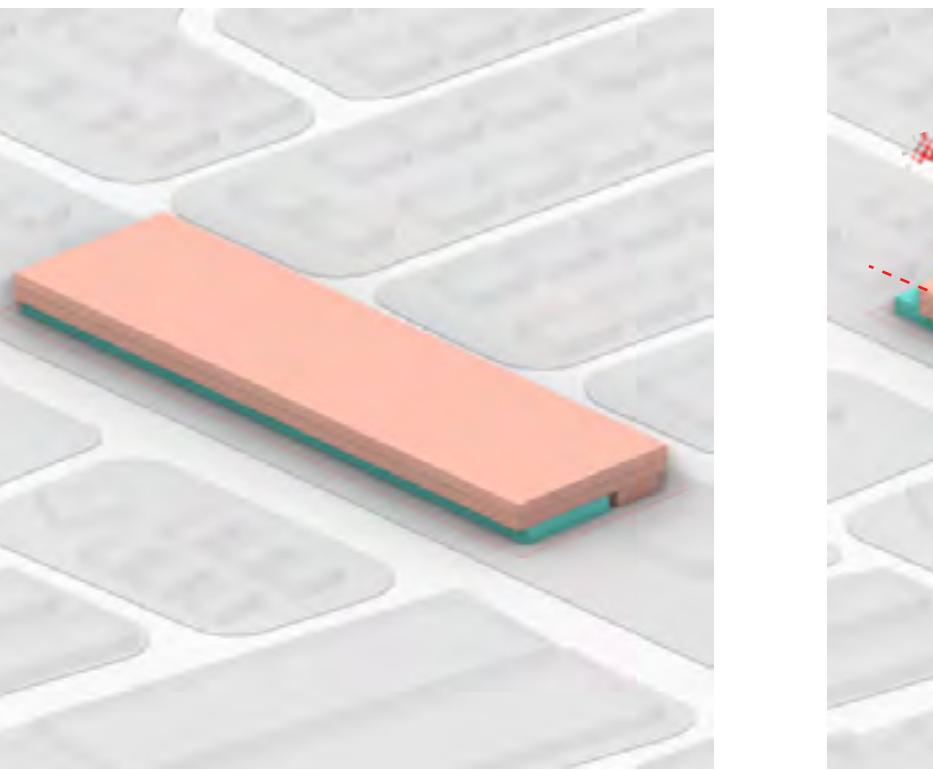
A form-finding design process resulted in utilizing a "V" configuration that attempts to maximize the views of each residential unit and allows each apartment to have incredible views towards Dubai's skyline, yet ensures privacy for its occupants.



Physical study models - 3D printed (top 3) and hand-made foam models (bottom 6).

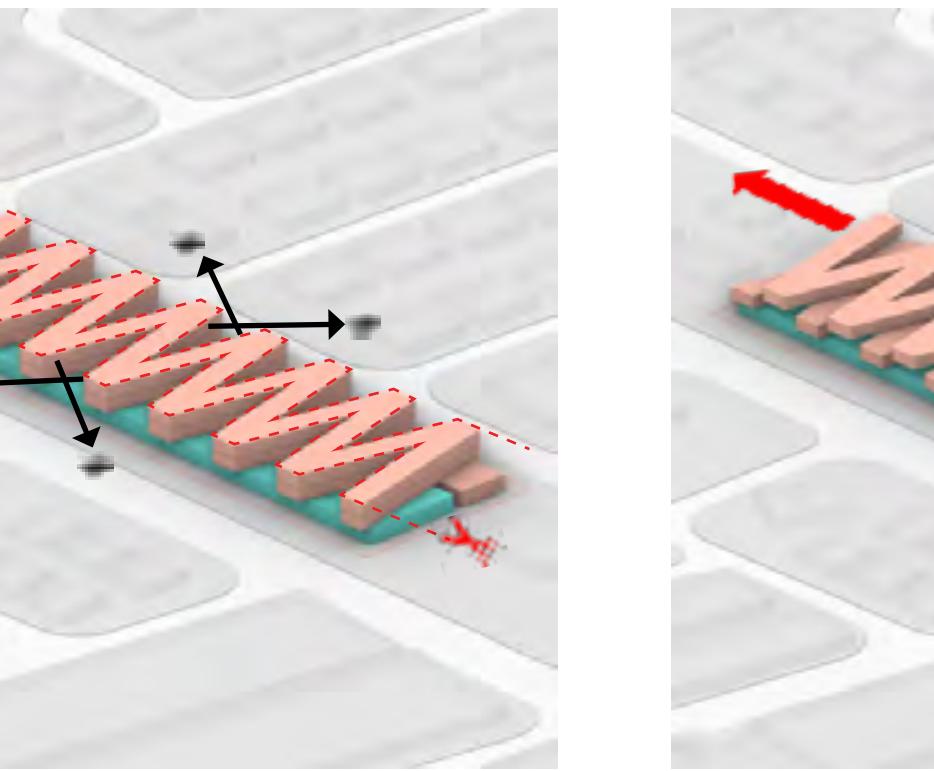
FORM FINDING

V-HOUSE



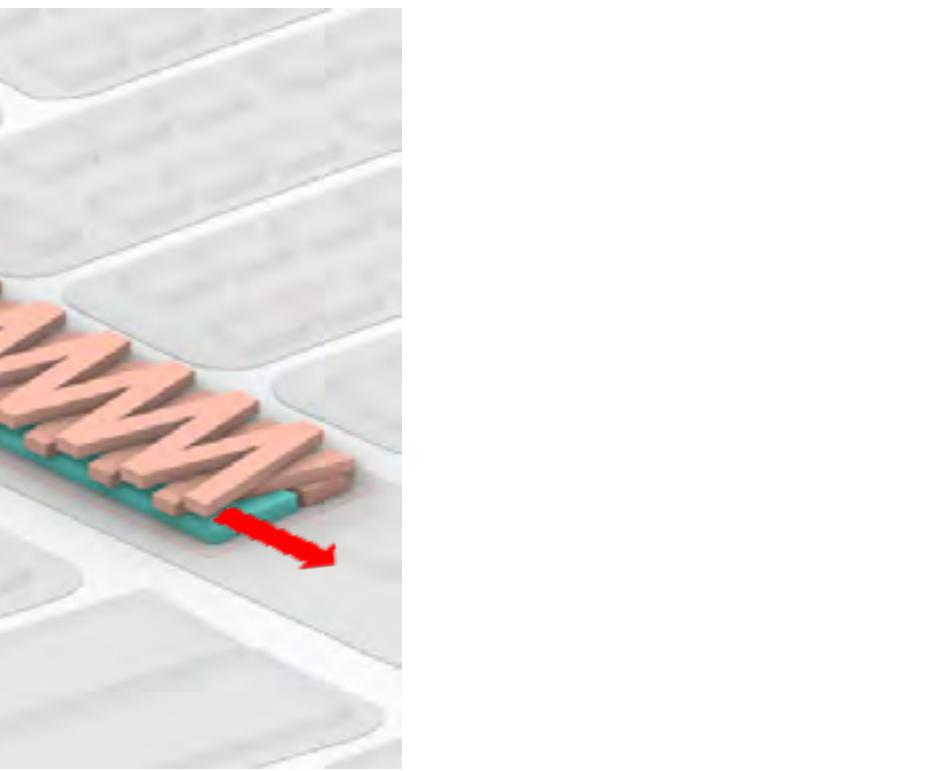
1 - PROGRAM DISTRIBUTION

Identifying the boundaries of the form and dividing it into functional zones (Residential & Retail).



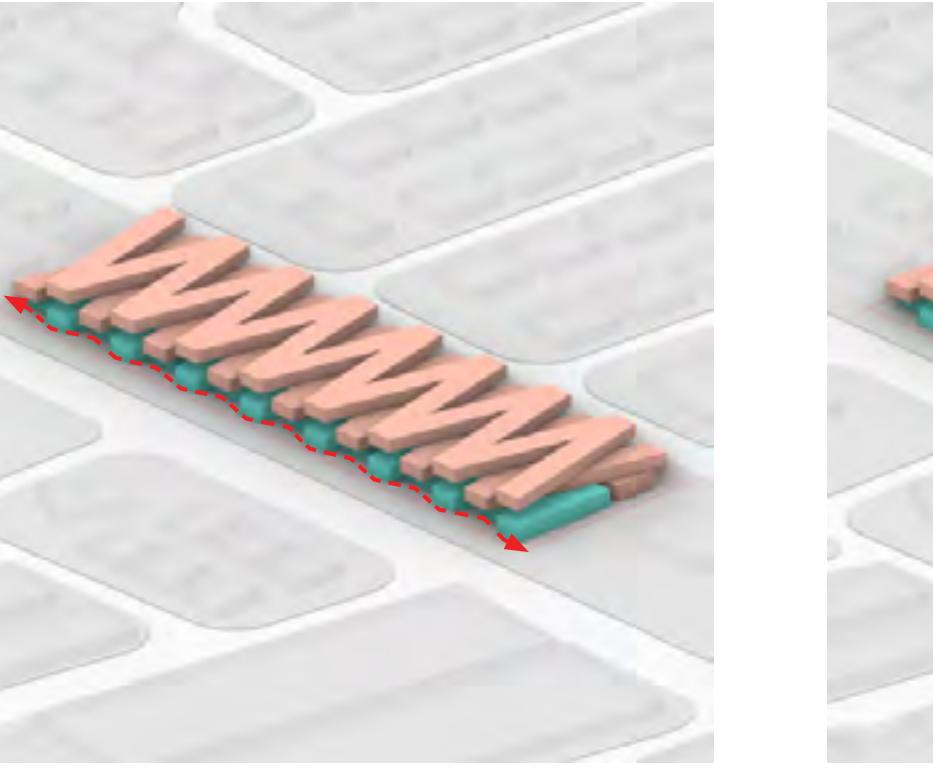
2 - MAX FRONTAGE

Introducing the V. The configuration maximizes the frontage of the elevation which gives more opportunities for views.



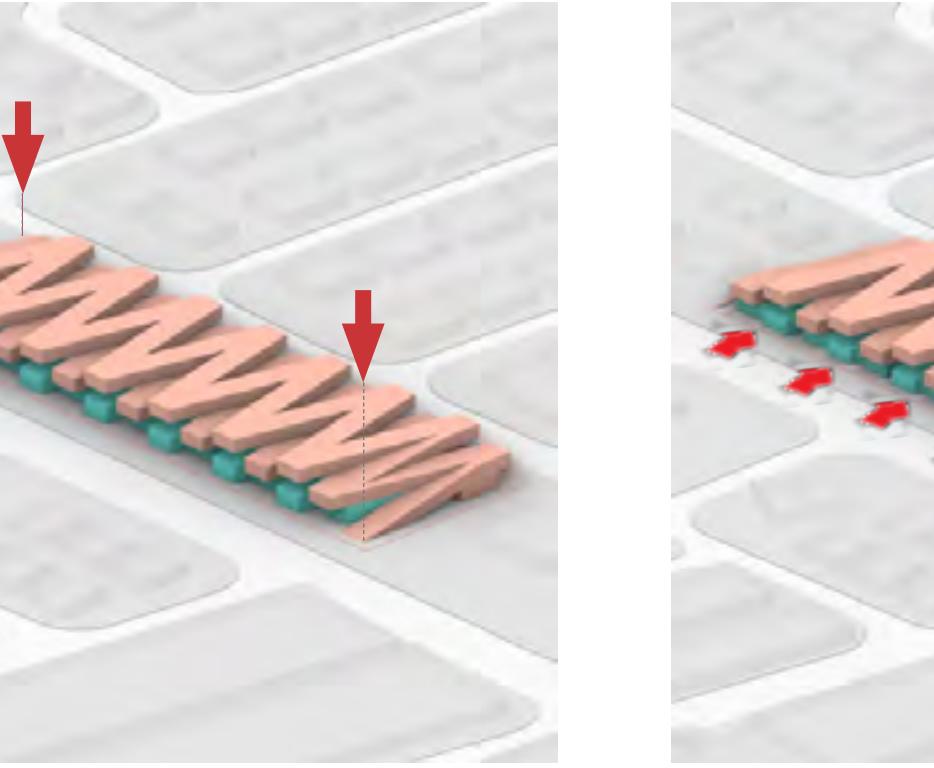
3 - SHIFTING

Shifting the volumes results in creating various courtyard conditions, shaded vs sun-lit courtyards.



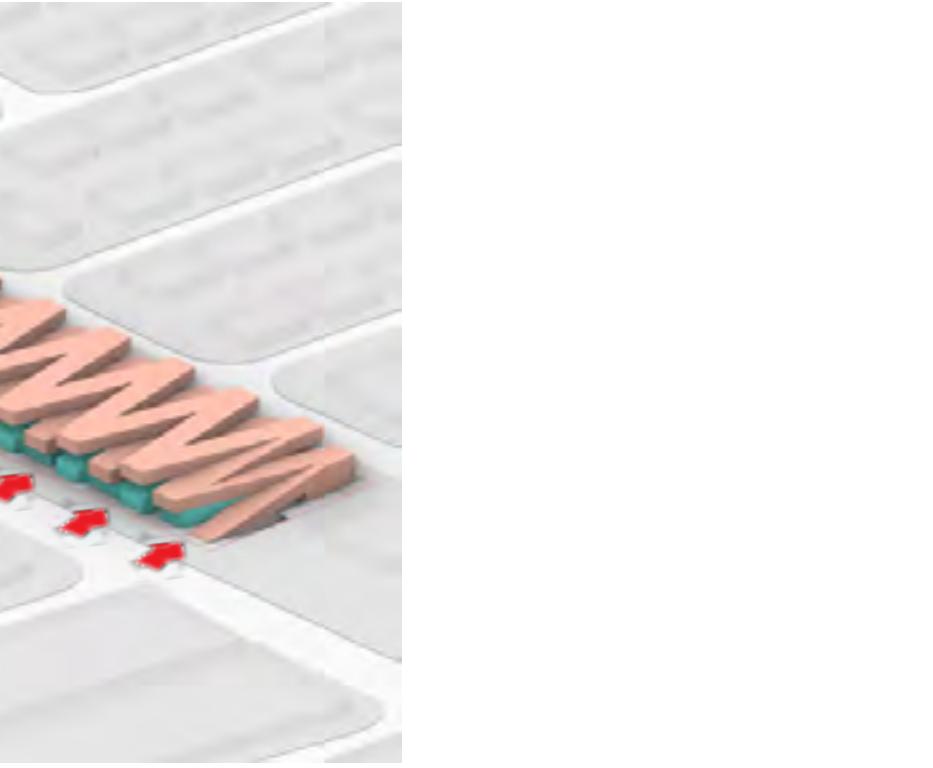
4 - PUBLIC EDGE

Ground floor complements the form above to create a porous architectural composition.



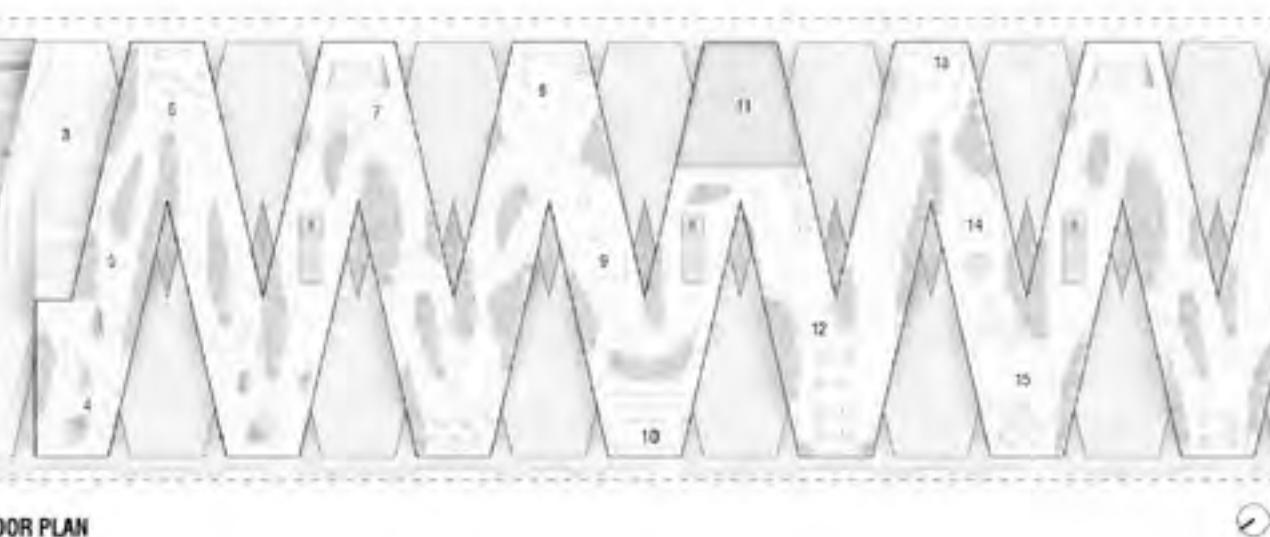
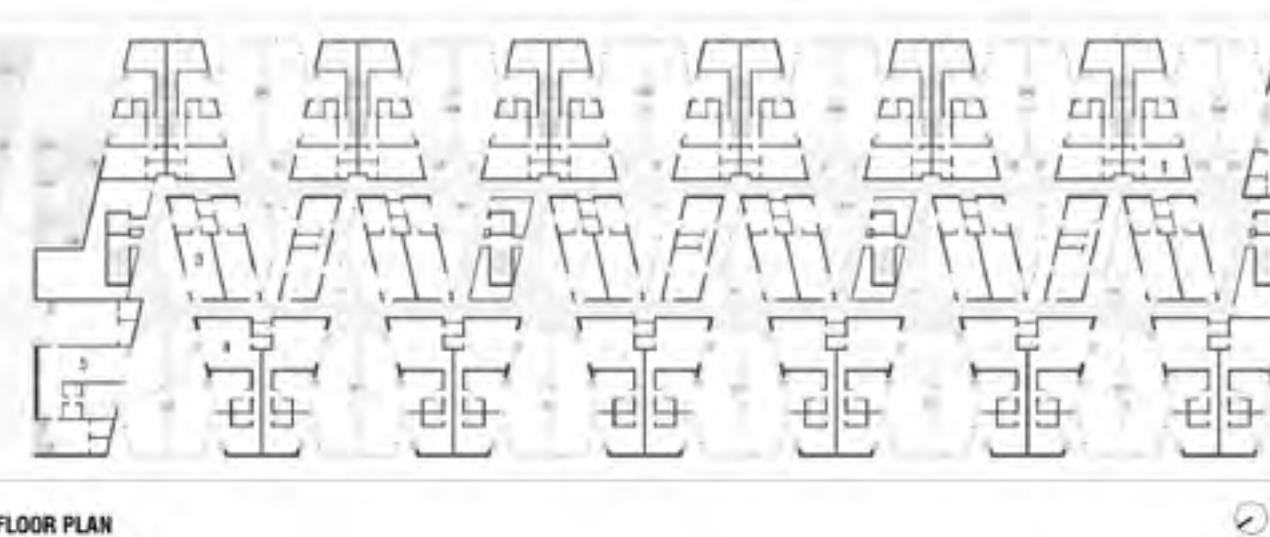
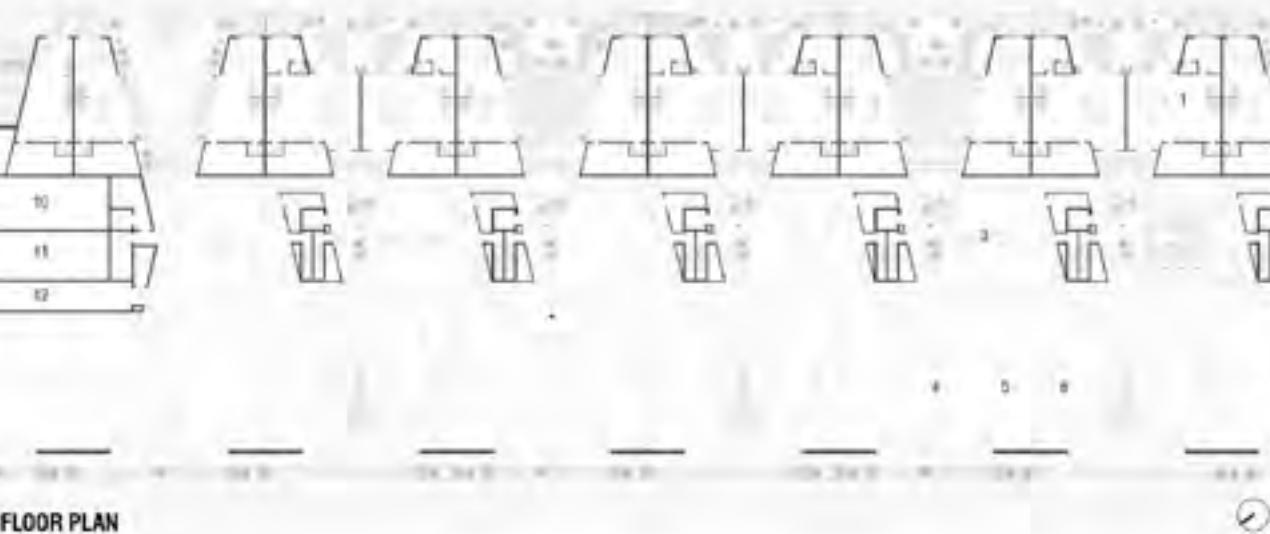
5 - LOOP OF CIRCULATION

Introduction of the ramp, activates the edges and the roof. It will boost pedestrian flow through the project.



6 - SUNKEN

The public level is gently submerged to mitigate surrounding noise and create a more intimate retail experience.

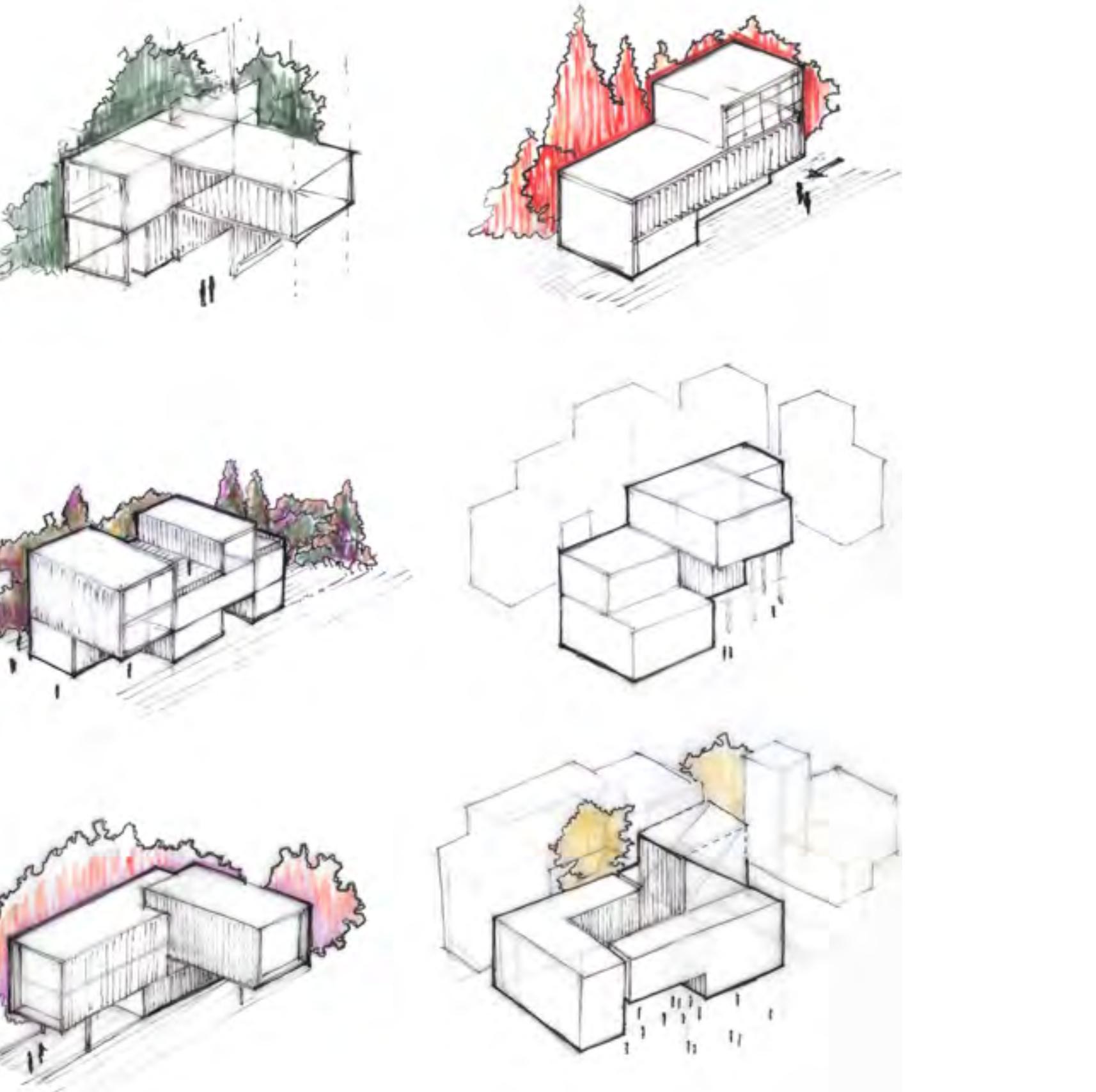


08

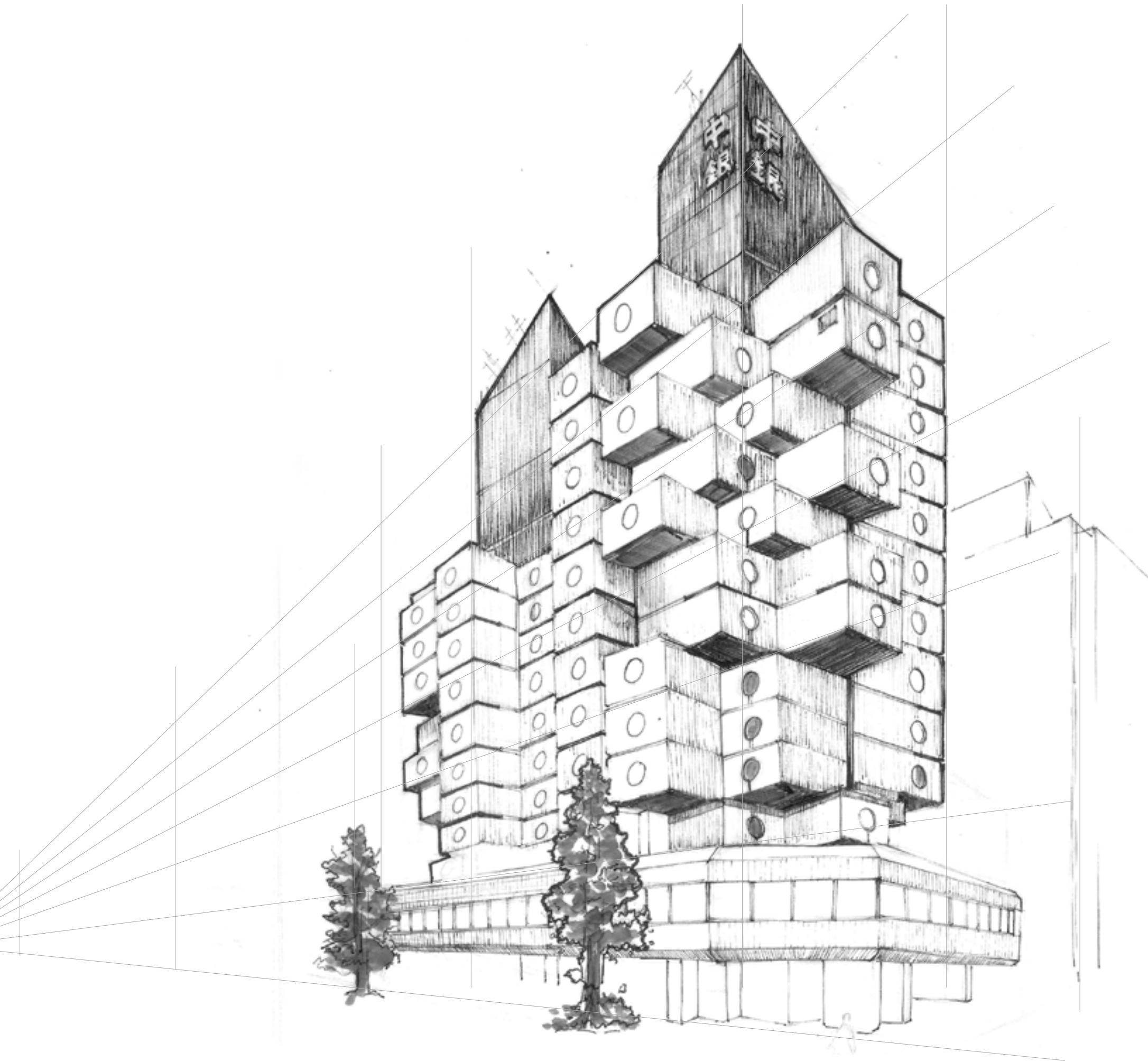


SKETCHES

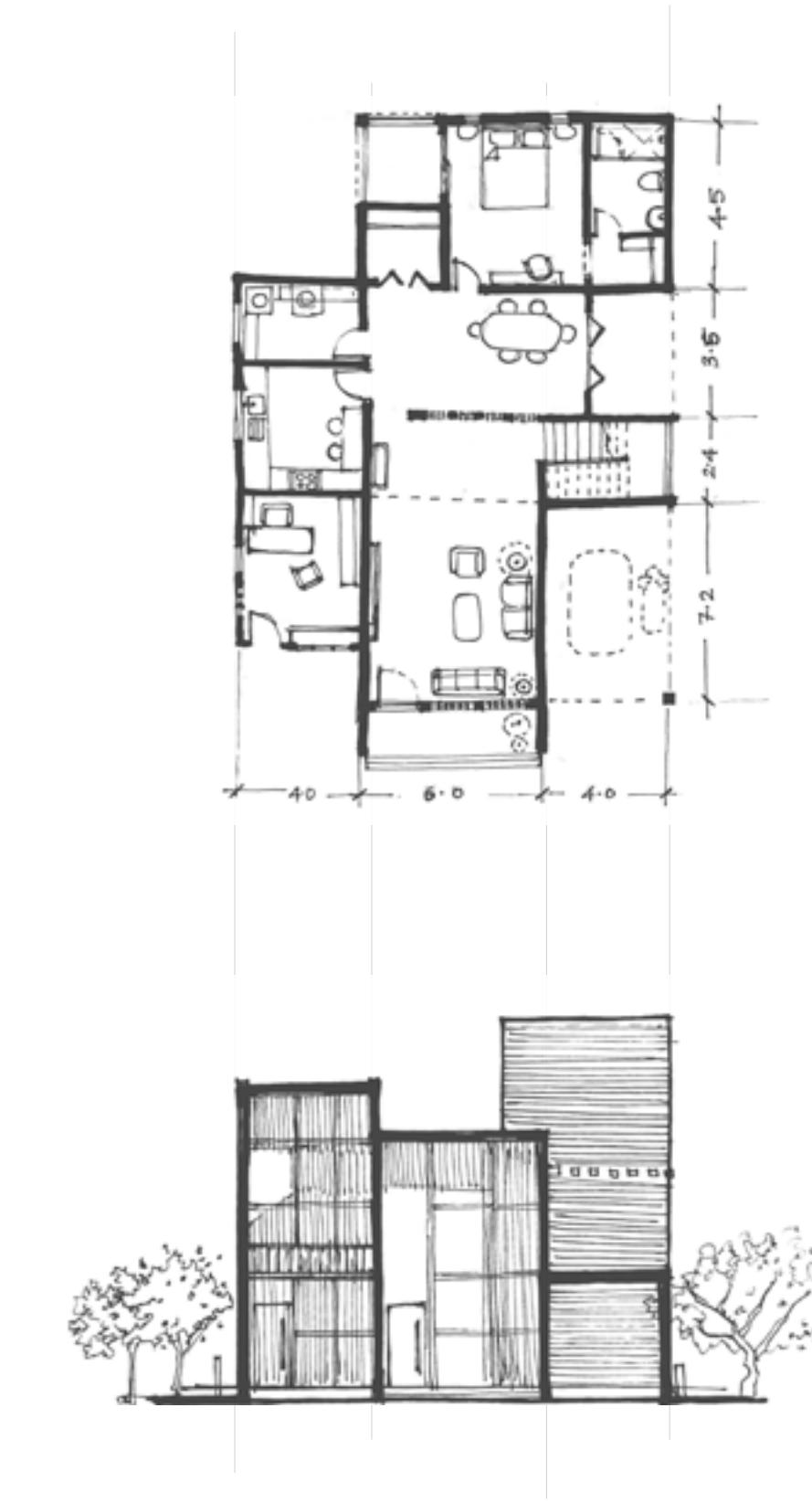
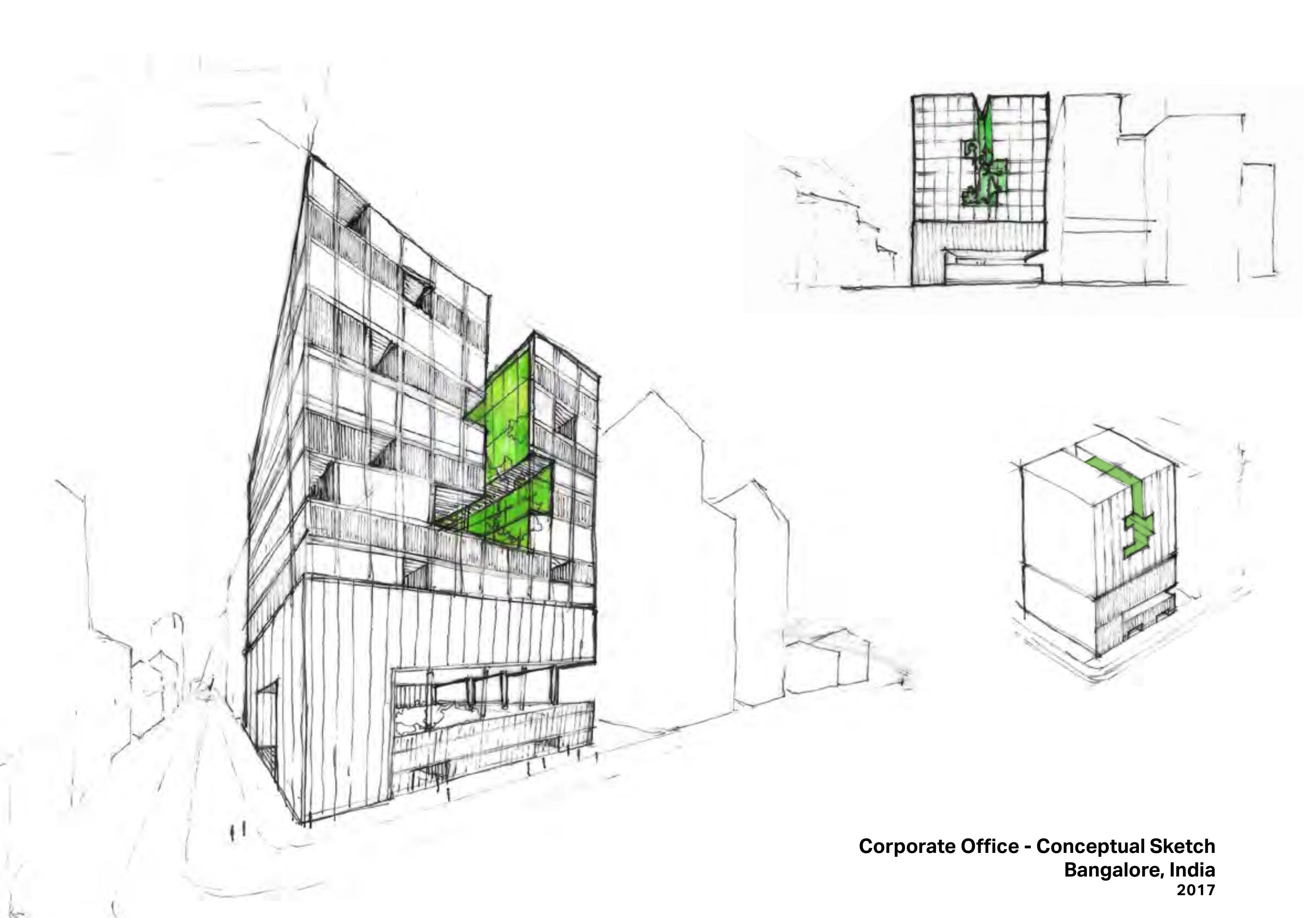
FREEHAND CONCEPTUAL SKETCHES, MASSING STUDIES AND RENOWNED ARCHITECTURE



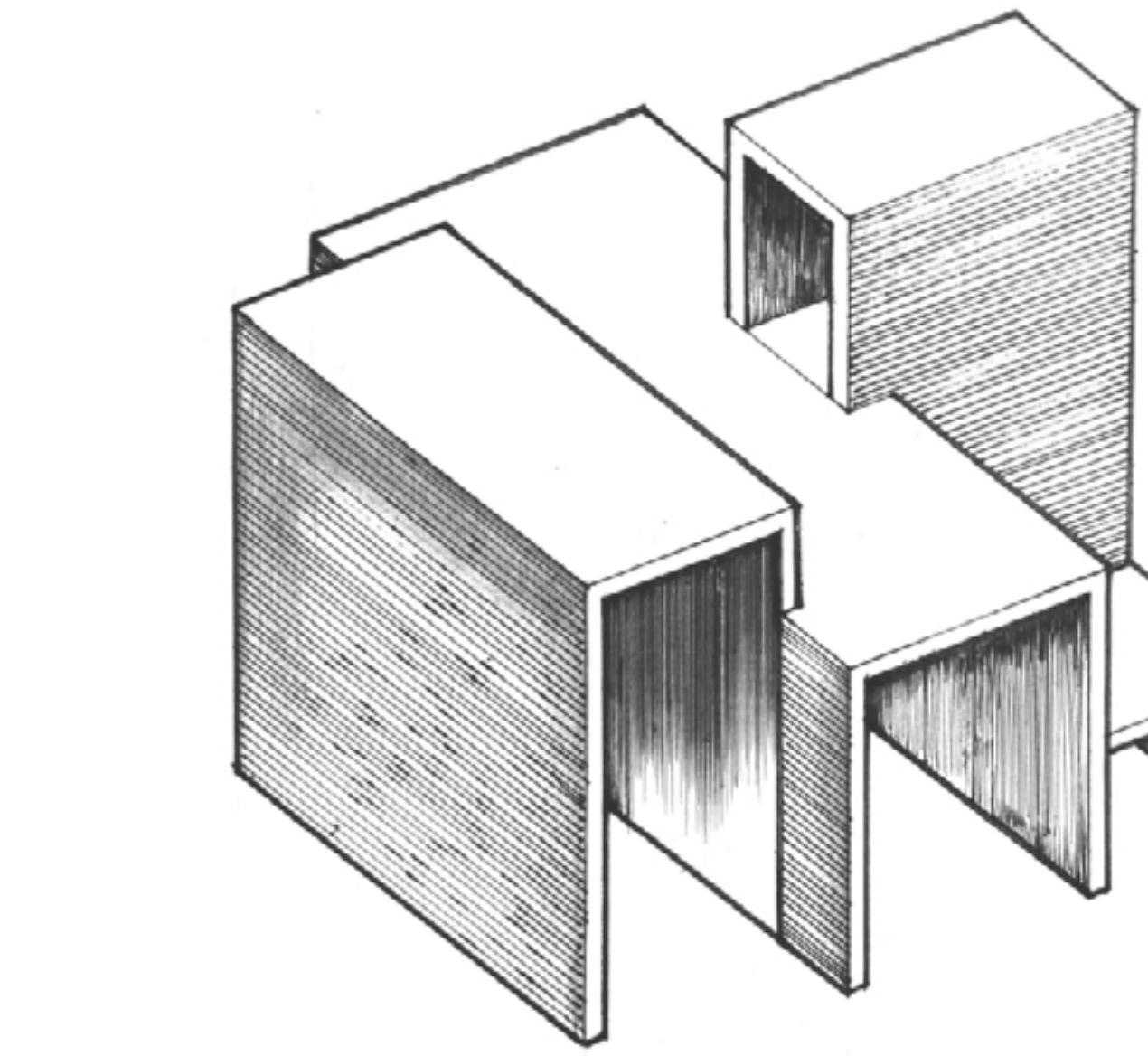
Massing Studies
2018

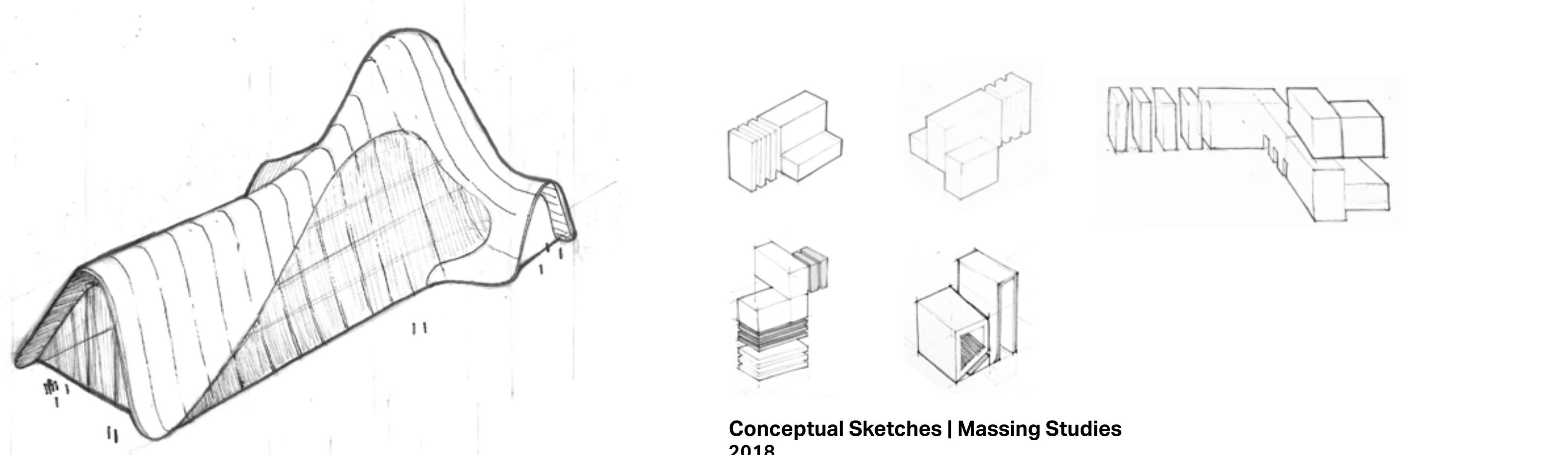


Nakagin Capsule Tower, Tokyo, Japan
2021

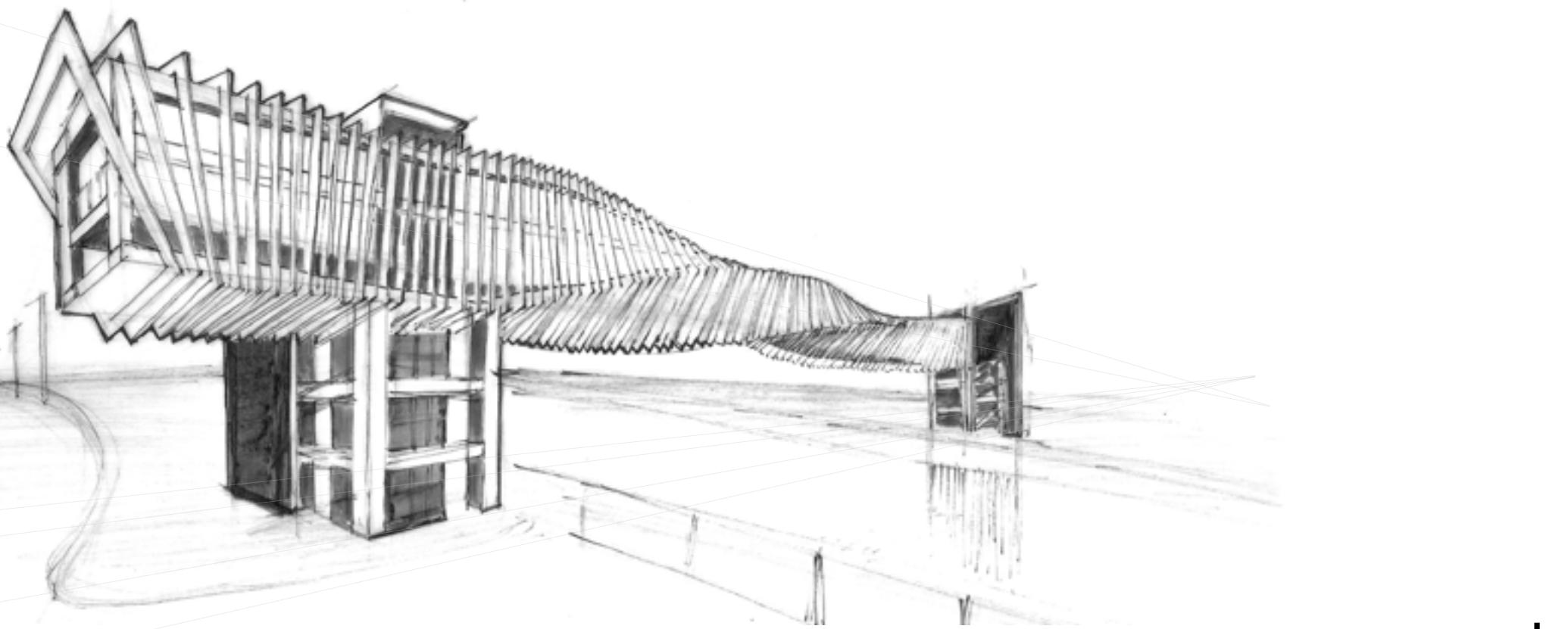


Residence Design, Year I
2015

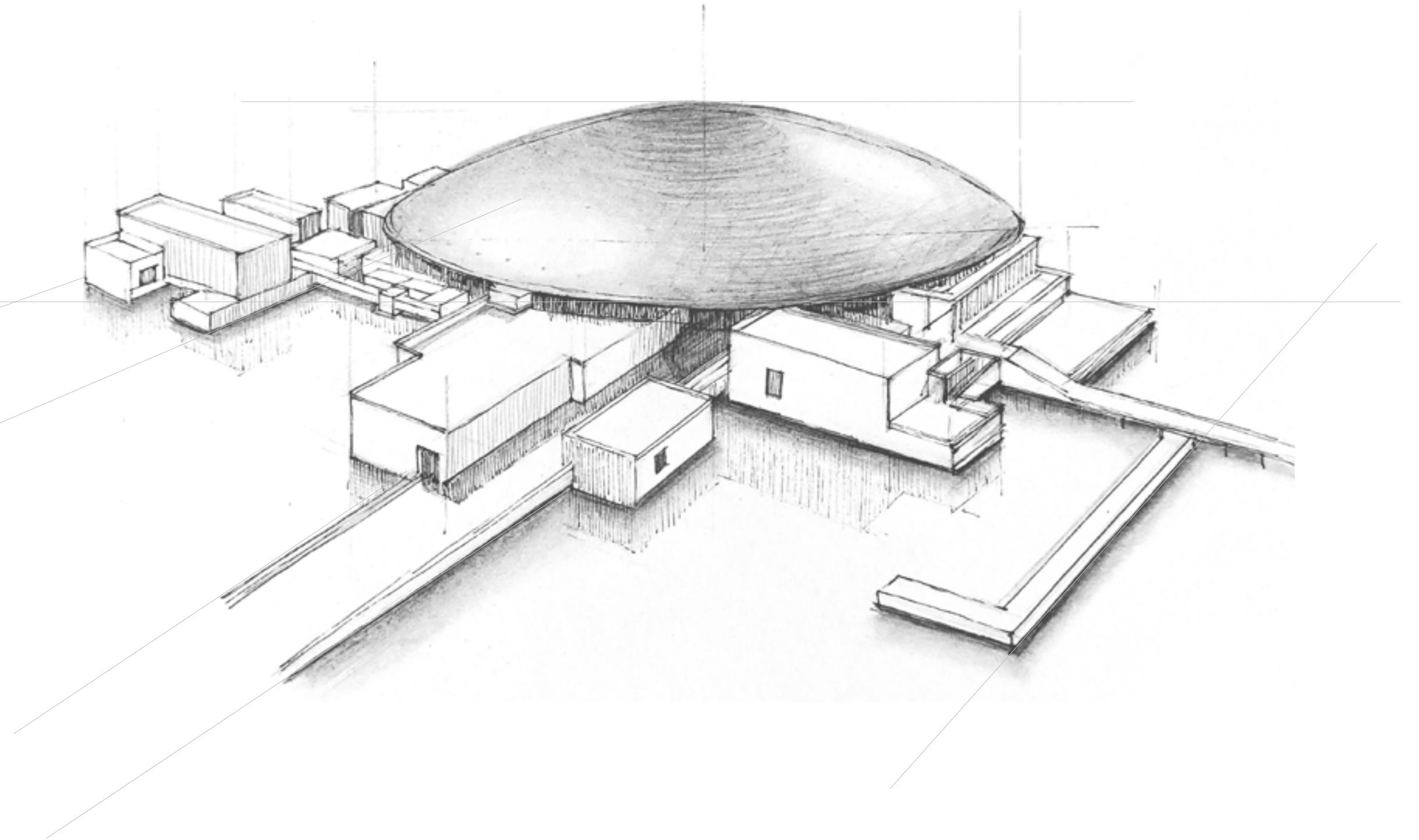




Conceptual Sketches | Massing Studies
2018



Dubai Water Canal Foot Bridge
2019



Louvre Abu Dhabi
2021

ANUTHAMA

anuthama24@gmail.com

+971 56 1865373