



**ARCHITECTURAL**  
**PORTFOLIO**

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**DARIUSH GHALAEY**

JAN 2025

# Dariush Ghalaey

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With over 15 years of experience in architectural design and execution, I have dedicated my career to creating spaces that blend functionality, innovation, and aesthetics. My work spans a variety of projects, including residential renovations, modern apartment designs, and bespoke villa concepts, all tailored to meet client needs and context. This portfolio highlights my individual design philosophy, technical expertise, and creative problem-solving, showcasing the quality and attention to detail I bring to every stage from concept development to final execution.

## Portfolio Features and Production

- **Design & Execution:** All architectural drawings, 3D renderings, and designs presented in this portfolio were personally created by me.
- **Collaborative Solutions:** For complex projects, I successfully collaborated with structural, mechanical, and electrical engineers to deliver innovative and precise results.
- **Photography:** This portfolio includes a mix of professional and amateur photography. Many images were captured by me using a mobile phone, while others were professionally photographed.
- **Software Proficiency:**  
Every aspect of this portfolio was crafted using tools such as

**Photoshop, InDesign:** graphic design and layout

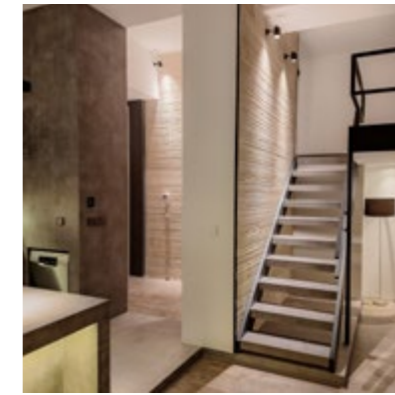
**3ds Max, Rhino, SketchUp:** 3D modeling

**AutoCAD:** drafting

**V-Ray, Enscape, Lumion:** rendering and visualization

This collection represents a selection of my work, reflecting my commitment to cohesive, functional, and visually compelling design. While all projects in this portfolio were completed under the name of [G Architecture Studio](#), the focus here is on my personal contributions to the design and execution process. All additional documents and references are available upon request. For a broader overview of my portfolio, please visit my website at [www.dariushghalaey.com](http://www.dariushghalaey.com).

Brothers' Loft



P2 - P11

Abkuh Bulding



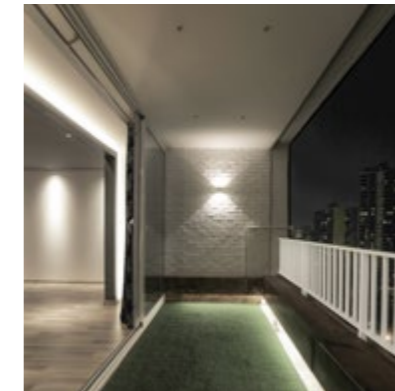
P12 - p21

Recta Loft



P22 - P27

Linear Gray



P28 - P35

Cliffside Retreat



P36 - P41

# Brothers' Loft

**Date:** JUN 2022 —JUN 2023

**Area:** 110 m<sup>2</sup>

**Role:** Interior designer and Project Lead

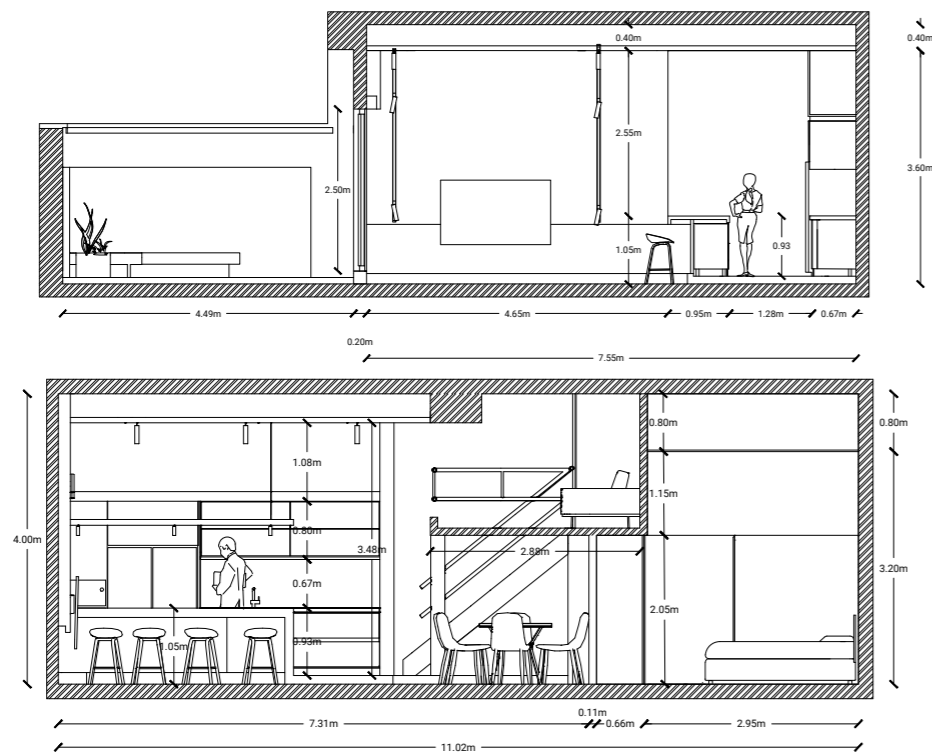
**Responsibilities:**

- Conceptual design and space planning
- 3D rendering and visualization using **Rhino & Enscape**
- Drafting detailed drawings and construction documents using **AutoCAD**
- Coordination with contractors and vendors
- On-site supervision and project execution
- Procurement of materials and budget management

This project, located on the ground floor of Persepolis Tower in Shah-rak-e-Gharb, Tehran, spans an area of 110m<sup>2</sup> and features a master bedroom with an en-suite bathroom, a luxurious kitchen with a ceramic countertop, a mezzanine with a separate living area and storage, and a yard with a green space, a barbecue, and unique lighting.

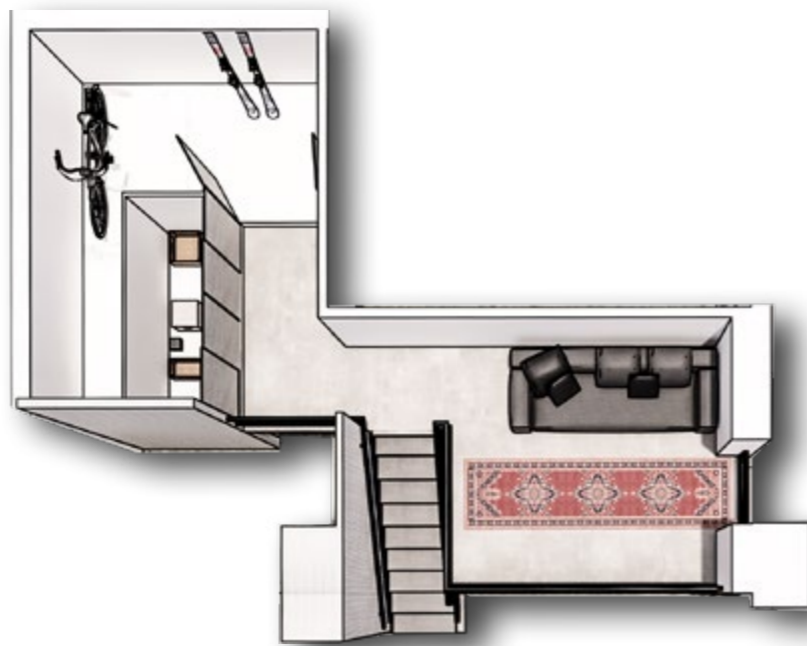
A defining feature of this project is the use of two standout materials: white scratch stone and large-format gray-toned ceramic slabs. These materials were skillfully applied throughout the project, showcasing exceptional craftsmanship in ceramic installation. The combination of these finishes with exposed black lighting fixtures created a warm, gray-toned ambiance that balances sophistication with comfort.

This thoughtful material selection and precise execution emphasize the project's attention to detail and cohesive design vision.

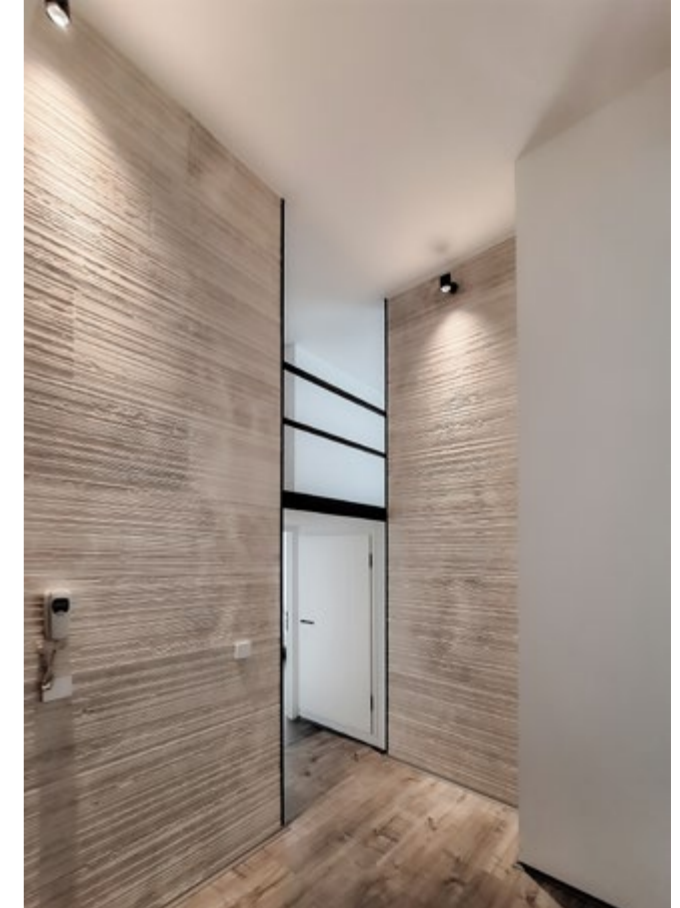
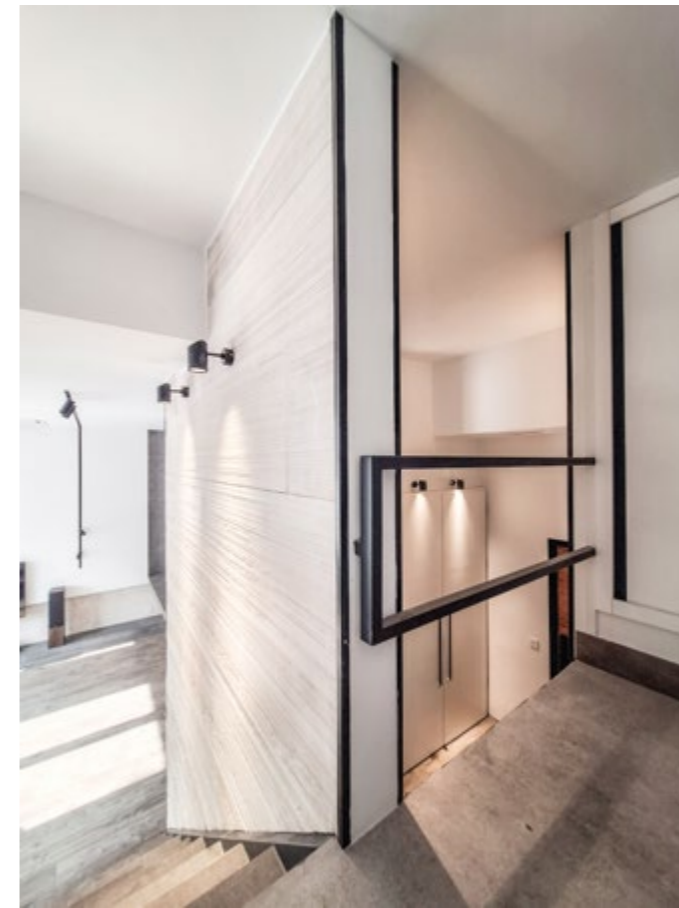




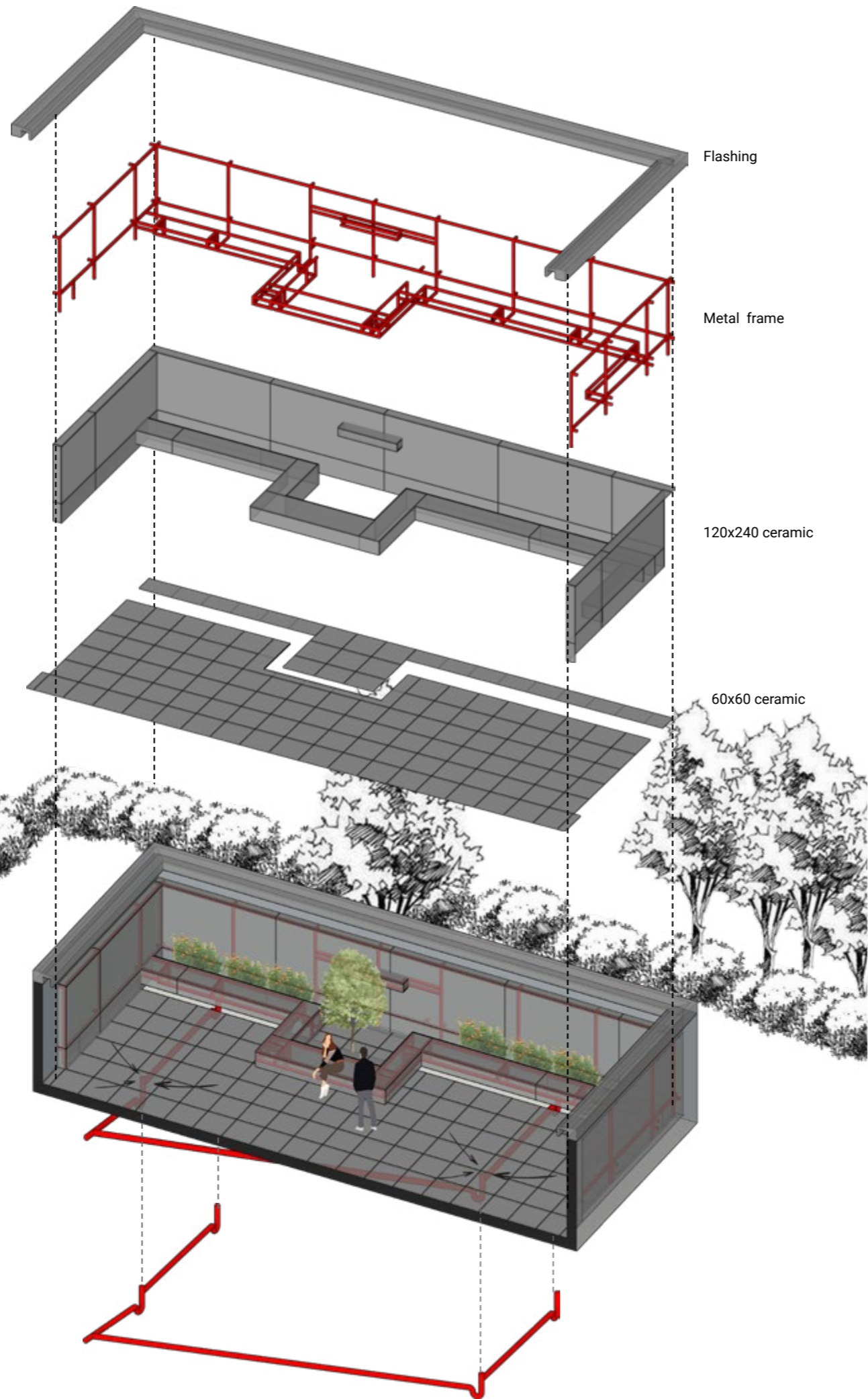
ground floor plan



Second floor plan



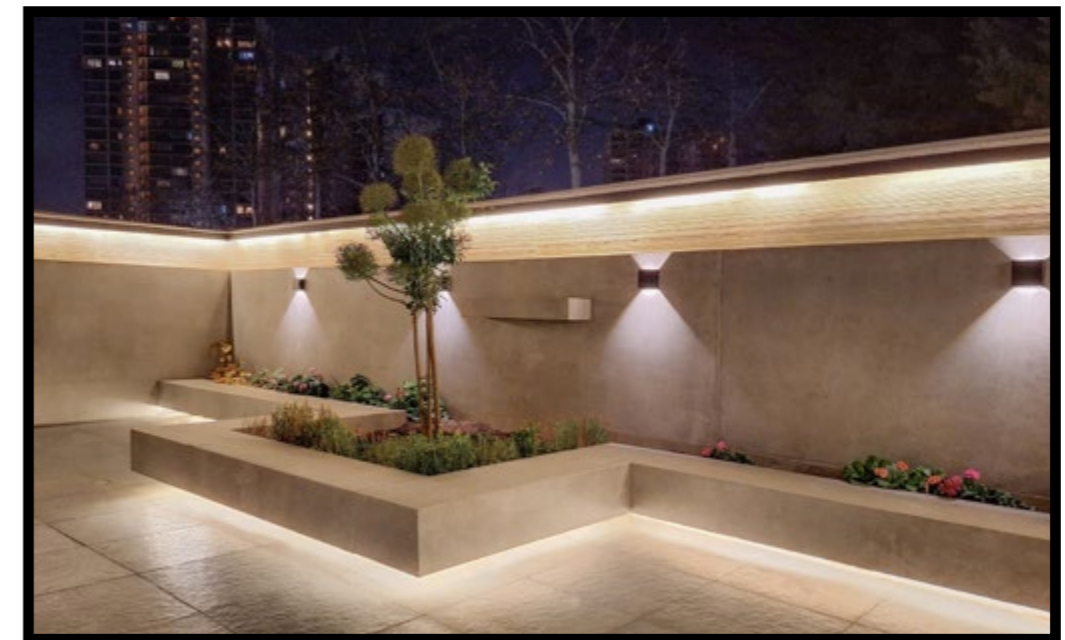




This ground-floor unit benefits from a private yard due to its location within a tower. The primary goal of the renovation was to create a harmonious connection between the living space and the garden. This was achieved through the installation of floating platforms with uniquely designed lighting, requiring custom infrastructure and metalwork. The diverse lighting system provides multiple options, from dim to medium or bright, catering to different moods and occasions.

In projects like this, where luxury materials such as large-format ceramic tiles are used, precise shop drawings play a crucial role; These detailed execution plans minimized material waste by at least 30%, both during procurement and installation, ensuring cost efficiency and precise implementation for the construction team.

This meticulous approach highlights the combination of technical precision and aesthetic excellence that defined the success of this project.





Photography: Dariush Ghalaey

# Abkuh Building

**Date:** NOV 2015 —APR 2018

**Area:** 1650 m<sup>2</sup> (Total Built-Up Area)

**Role:** Architectural Designer, Project Manager, and Co-Investor

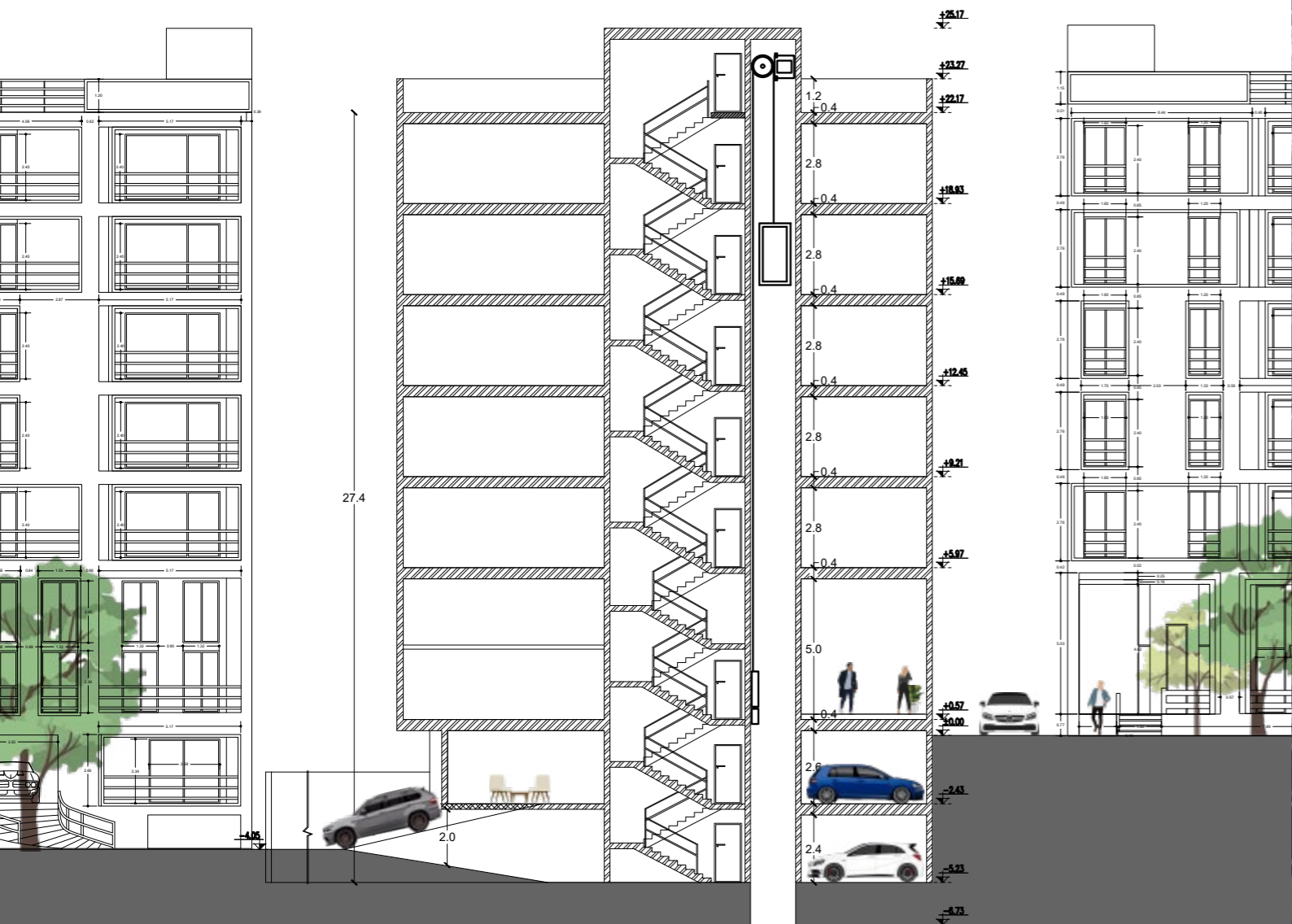
**Responsibilities:**

- Conceptual design and space planning
- 3D rendering and visualization using **3ds Max, V-Ray**
- Drafting detailed drawings and construction documents using **AutoCAD**
- Coordination with contractors and vendors
- On-site supervision and project execution
- Procurement of materials and budget management

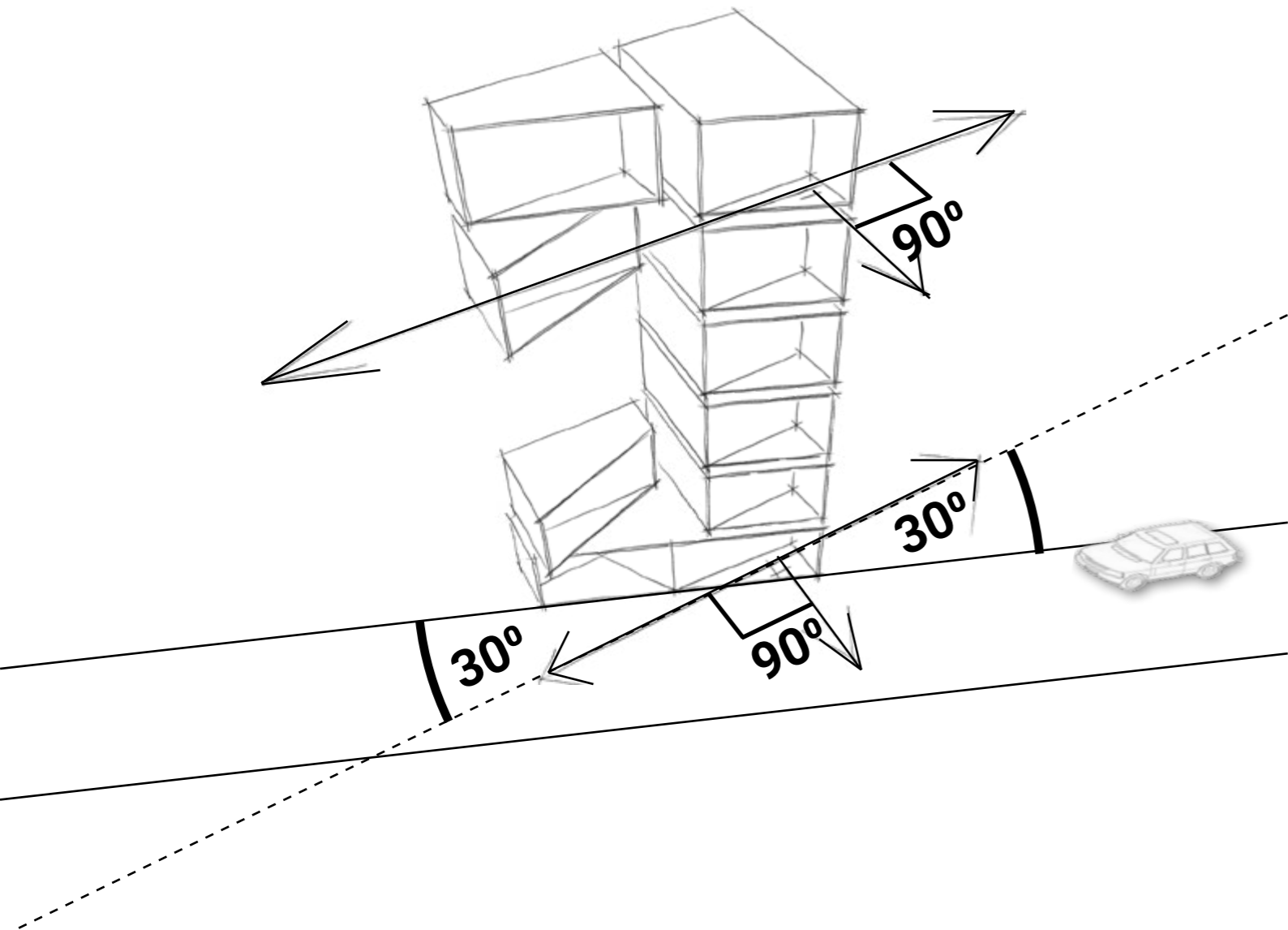
The Abkuh project is an 8-story residential building consisting of two basement levels for parking and storage, a ground floor with a lobby and residential suite, five residential floors, and a rooftop garden. The structure is built with a reinforced concrete frame.

The building is situated between two streets to the north and south, allowing for the separation of pedestrian and vehicular entrances. This design has facilitated the creation of a grand lobby and entrance space.

The specialized components of the project, such as structural, electrical, and mechanical designs, were entrusted to and executed by the respective engineers and collaborators. All architectural drawings and renderings for this design were prepared by Dariush Ghalaey using software such as **AutoCAD, 3ds Max, V-Ray, and Photoshop.**





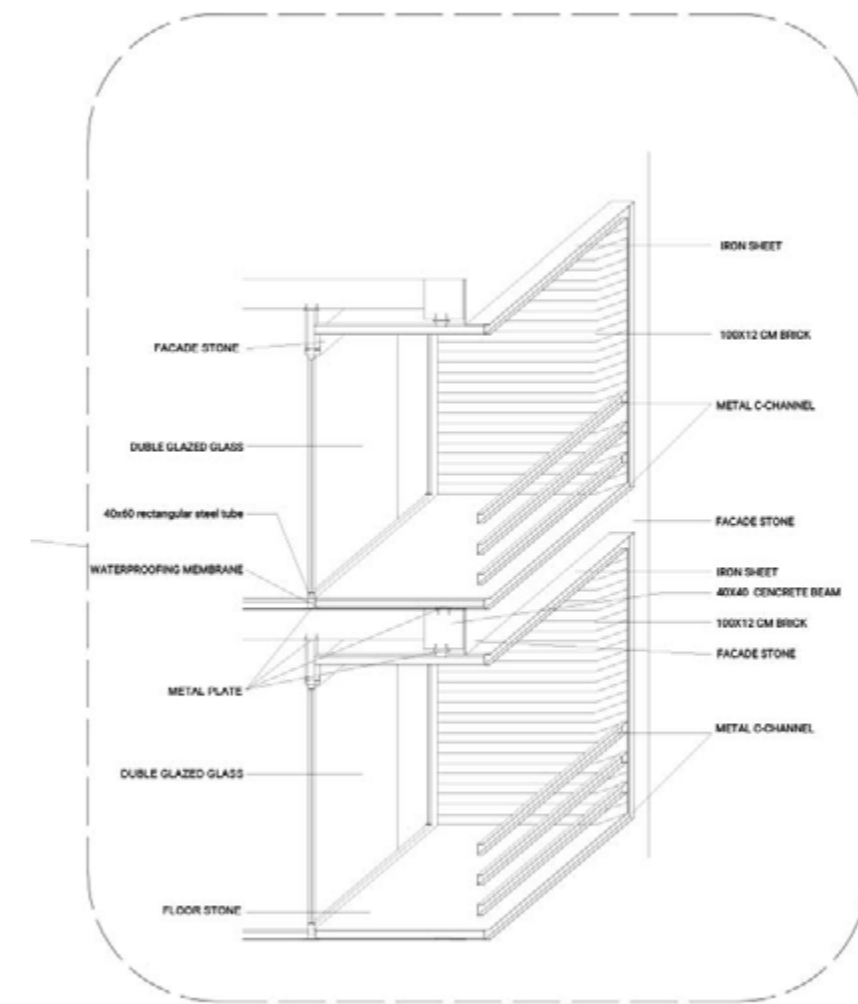


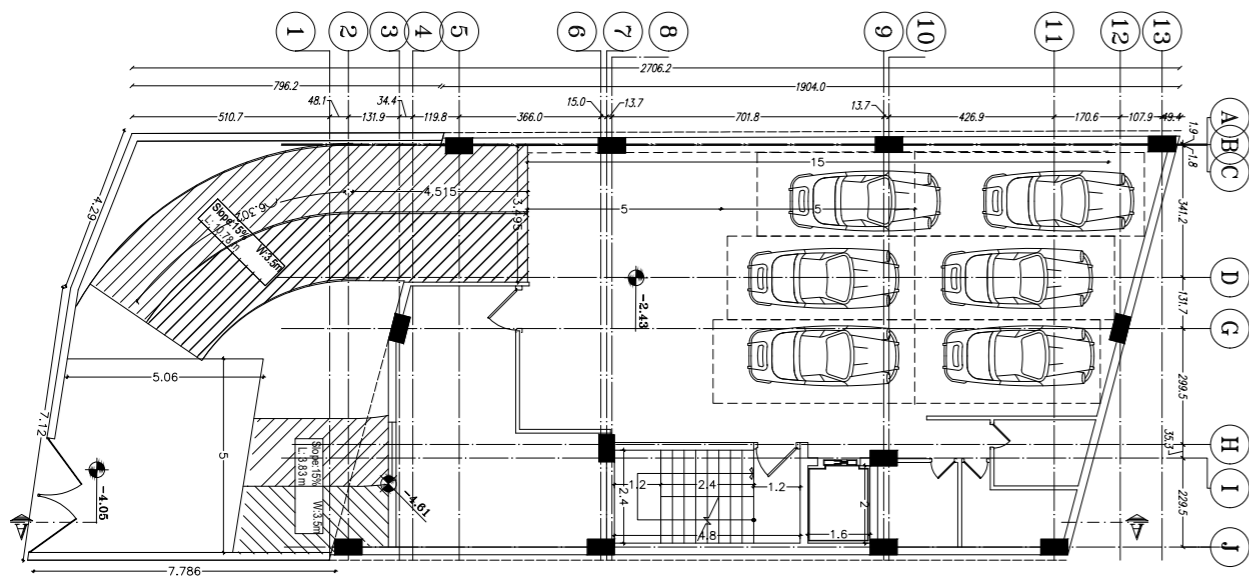
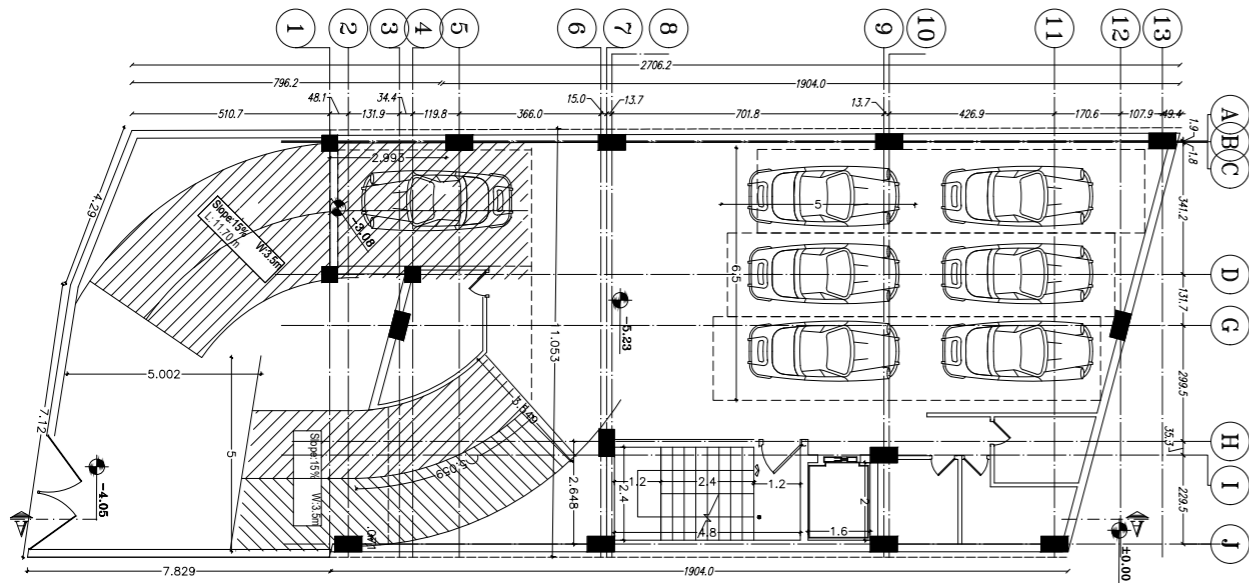
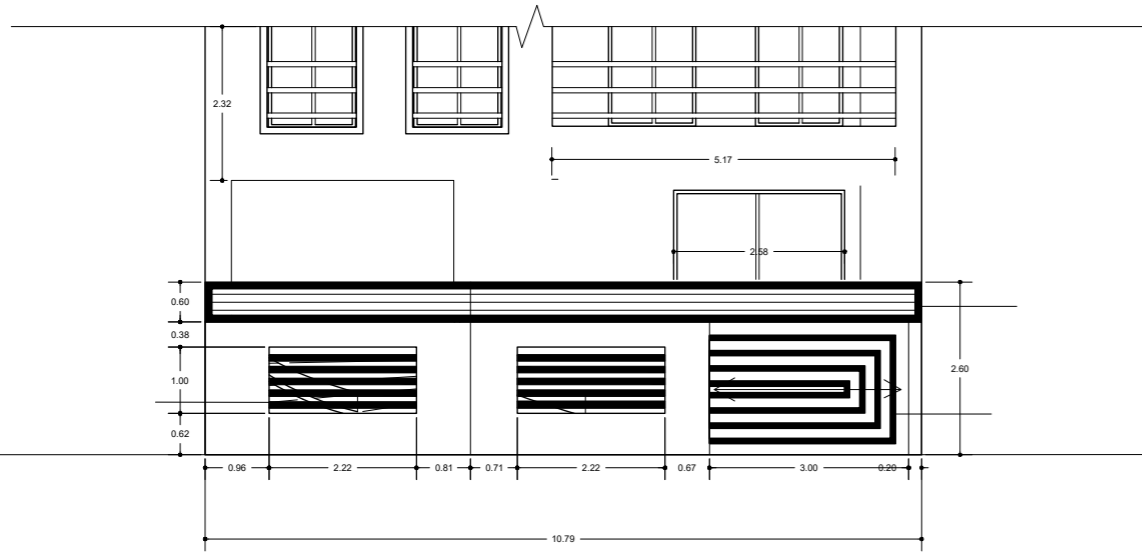
**Design Concept**

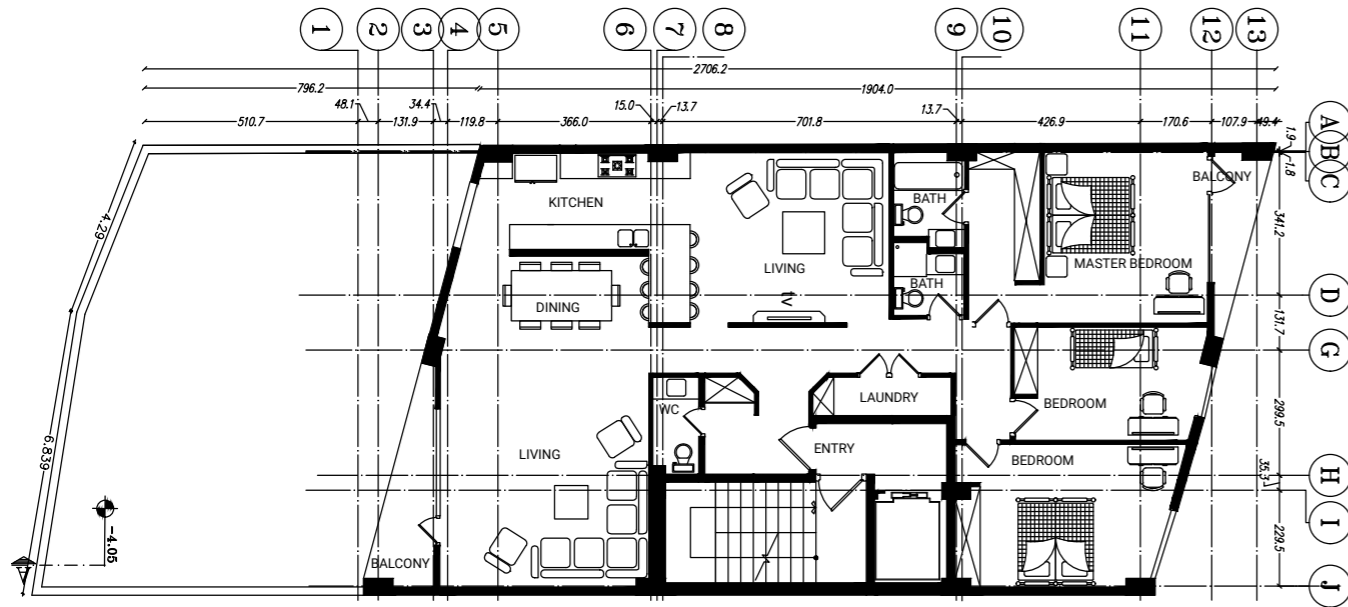
The concept for this project was inspired by the 30-degree angles of the northern and southern streets enclosing the property. To optimize interior spaces and achieve 90-degree angles in the architectural layout, the design incorporates an irregular stacking of thin-shelled cubes. This approach not only created balconies on the north and south sides of the building but also formed 90-degree corners within the structure.

The outward projection of the metal shells of these cubes, combined with the recessed balconies, defines the building's architectural character. The use of two primary materials—cream-colored travertine stone and brick, complemented by dark metal as a separating element—avoids visual clutter and ensures material harmony.

For the travertine façade, stones with black veining were carefully selected and meticulously installed by skilled craftsmen. This attention to detail has enhanced the aesthetic appeal of both the exterior and the lobby, showcasing a seamless blend of materials and design precision.







North Elevation

South Elevation



- 3Ds Max
- Vray
- Photoshop

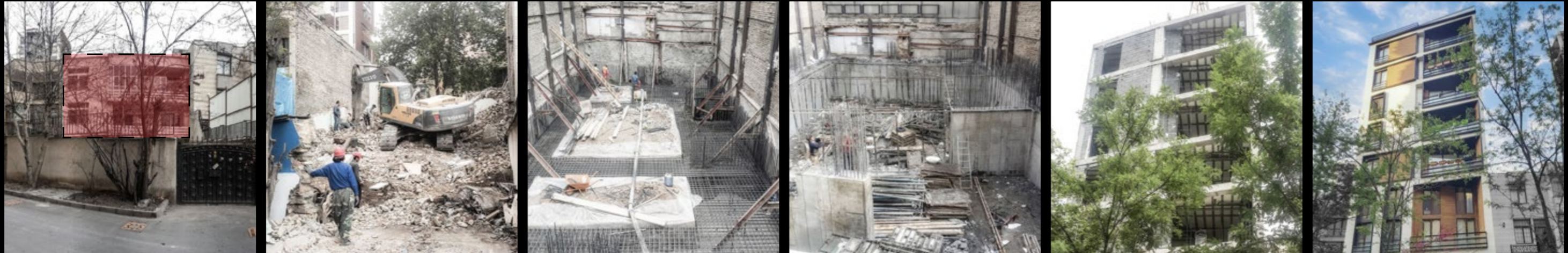


### Construction of the Concrete Structure

The construction of the Abkuh project's concrete structure was carried out in three main phases:

- Demolition of the old building to prepare the site for redevelopment.
- Strengthening and securing the adjacent buildings with retaining structures.
- Construction of the concrete frame for the Abkuh project.

The most challenging and critical part of the project was stabilizing the 40-year-old neighboring buildings on the east and west sides of the site. The excavation for the parking levels made reinforcement even more essential. This was achieved through the installation of carefully designed steel retaining structures, developed by the project's structural and civil engineers, ensuring the safety and stability of the surrounding buildings throughout the construction process.



Photography: Dariush Ghalaey

# Recta Loft

**Date:** DEC 2008 —MAY 2009

**Area:** 150 m<sup>2</sup>

**Role:** Interior Designer and Project Lead

**Responsibilities:**

- Conceptual design and space planning
- Drafting detailed drawings and construction documents using **AutoCAD, SketchUp, and Photoshop**
- Coordination with contractors and vendors
- On-site supervision and project execution
- Procurement of materials and budget management

The Recta Loft project, located in Shahrak Gharb, Tehran, is one of Dariush Ghaleei's first professional projects. It involved all stages of design, demolition, and renovation. The main objective was to convert an 85-square-meter, one-bedroom residential unit into a 150-square-meter duplex loft. The redesigned space includes a mezzanine level, a master bedroom, two children's bedrooms, a living room, dining area, TV lounge, a library, and a private courtyard.

The Minimal architecture is designed to feel warm and cozy, using soft and inviting elements throughout. The use of warm materials and thoughtful design details, such as custom wooden shelves and artistic lighting, is evident in every corner of the project, creating a harmonious and welcoming atmosphere.



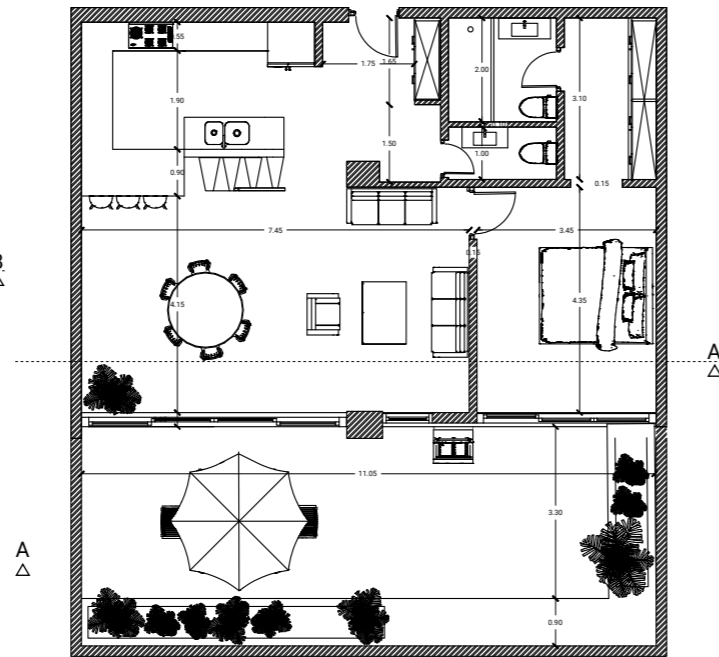
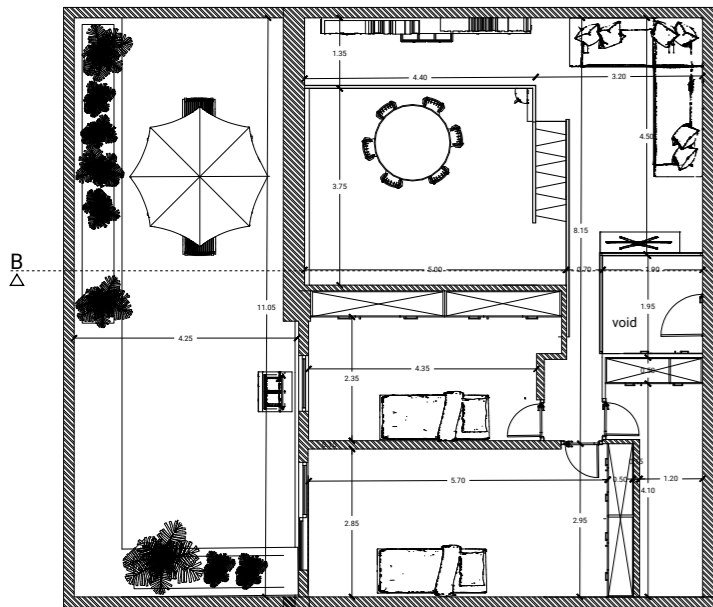
B-B section



A-A section

second floor

first floor





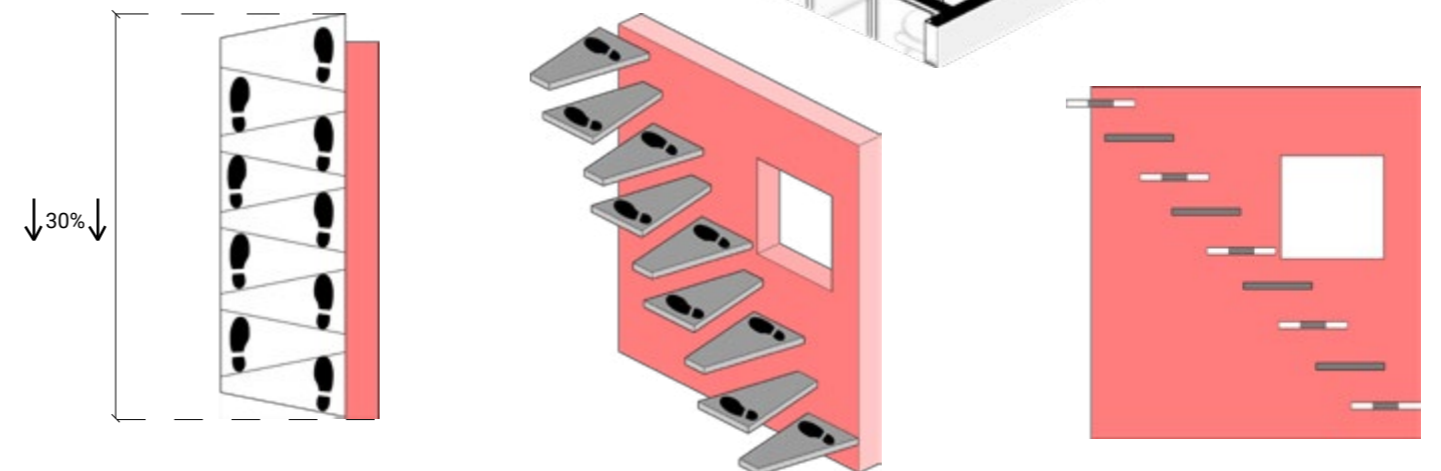
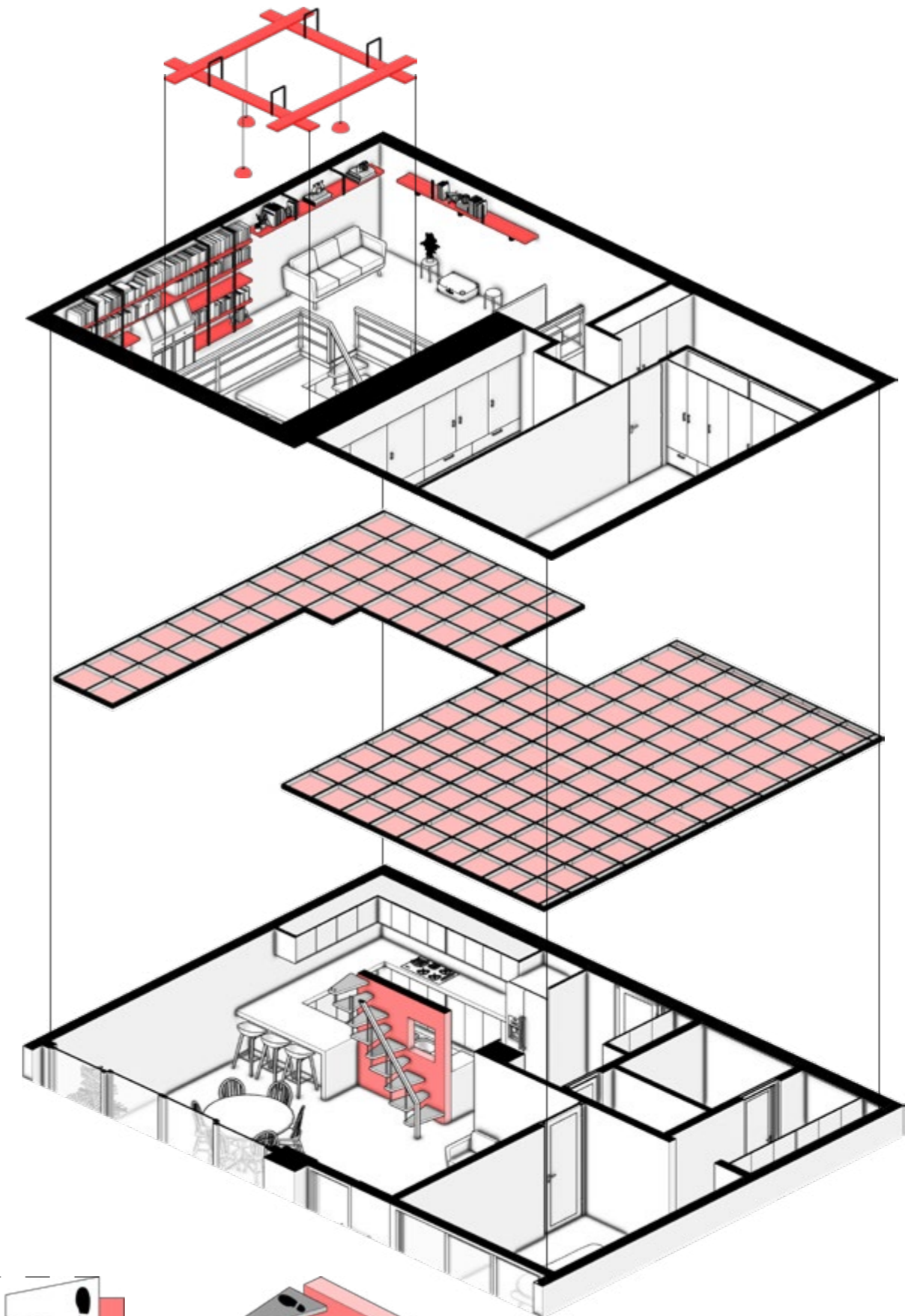
This design focused on maximizing the use of all available spaces and potentials, resulting in a minimal yet warm architectural style. Modular and repeating square shapes served as the primary concept for the design, inspiring both the architectural language and the project's name.

One of the most challenging aspects of the project was creating the duplex space, achieved by constructing a light-weight, thin mezzanine floor. A network of steel and wood was used to address height limitations while maintaining structural integrity. These square elements can be seen throughout the project, notably in the central wall separating the staircase, the library, shelves, and the wooden centerpiece chandelier.

The design harmoniously combines two primary materials—dark wood and black metal—creating a unique, warm aesthetic. This is further enhanced by exposed and artistic lighting, which adds character and depth to the space.

The centerpiece of the project is the semi-floating staircase located at the heart of the home. This staircase is supported by a square-shaped central wall, which also separates it from the kitchen. Its innovative, interlocking left-and-right design minimizes the space it occupies while providing stable footholds. This approach reduced the staircase's length by 30%, a highly efficient solution for maximizing usable space in the duplex.

Overall, the Recta Loft showcases a seamless blend of form, function, and aesthetics, creating a space that is both visually striking and highly practical.





Photography: Pedram Ghazimoghaddam, Mahfam Attaran

## Linear Gray

**Date:** NOV 2019 —JUN 2020

**Area:** 140 m<sup>2</sup>

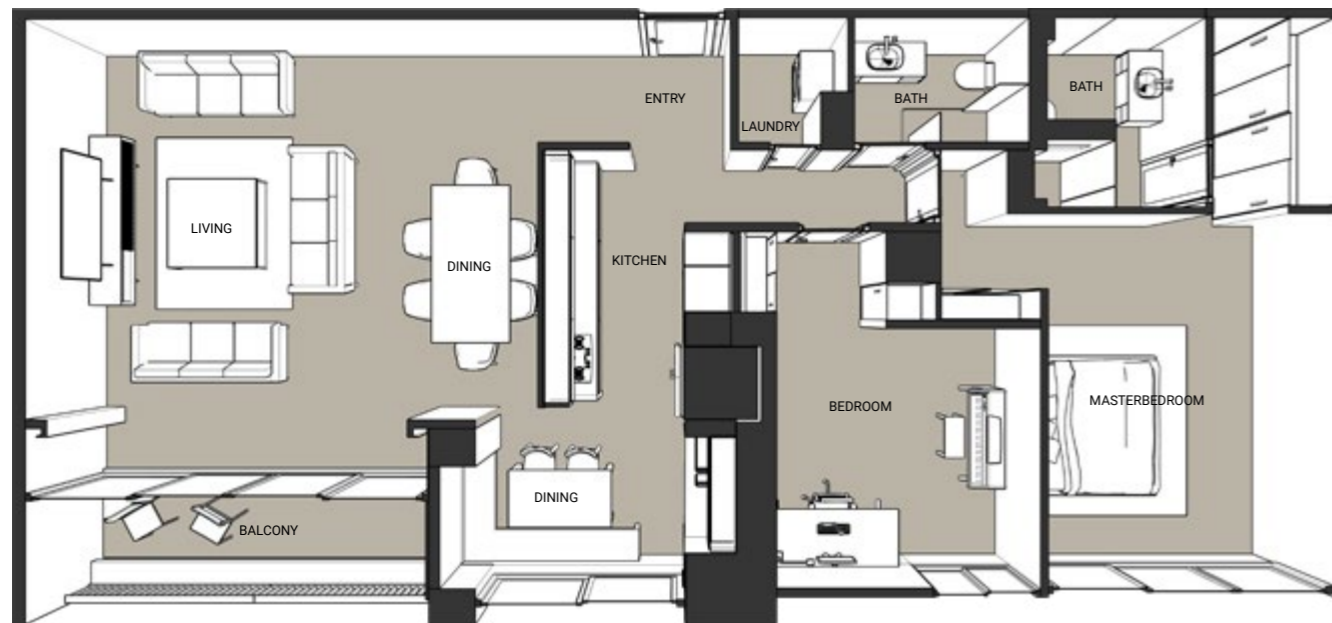
**Role:** Interior Designer and Project Lead

**Responsibilities:**

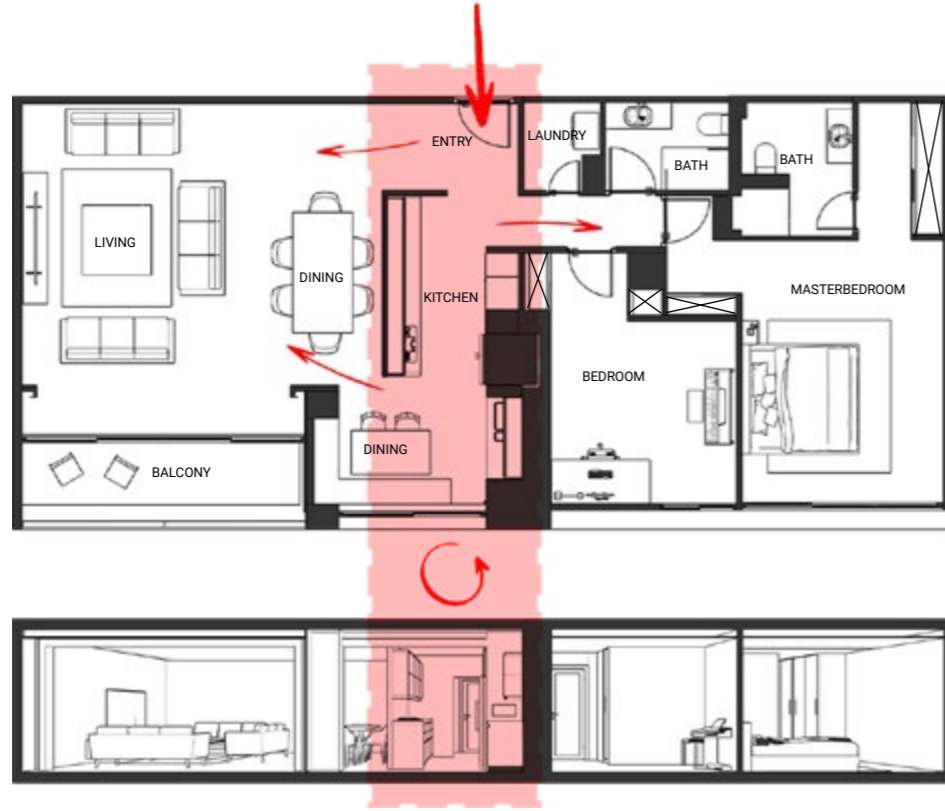
- Conceptual design and space planning
- Drafting detailed drawings and construction documents using **AutoCAD, 3Ds Max, and Photoshop**
- Coordination with contractors and vendors
- On-site supervision and project execution
- Procurement of materials and budget management

This 140-square-meter apartment, located on the 10th floor of a residential tower in Shahrak Gharb, Tehran, offers a stunning blend of modern design and functionality. The layout includes a master bedroom, a home office, a guest bathroom with a shower, a laundry room, a luxurious central kitchen, a living and TV area, and a terrace with breathtaking views of Tehran's vast and bustling cityscape.

The most notable feature of this project is the combination of dark and gray tones, creating a sleek and modern aesthetic. This is further elevated by the unique and carefully designed lighting throughout the apartment, which enhances the atmosphere and highlights the minimalist yet sophisticated design.



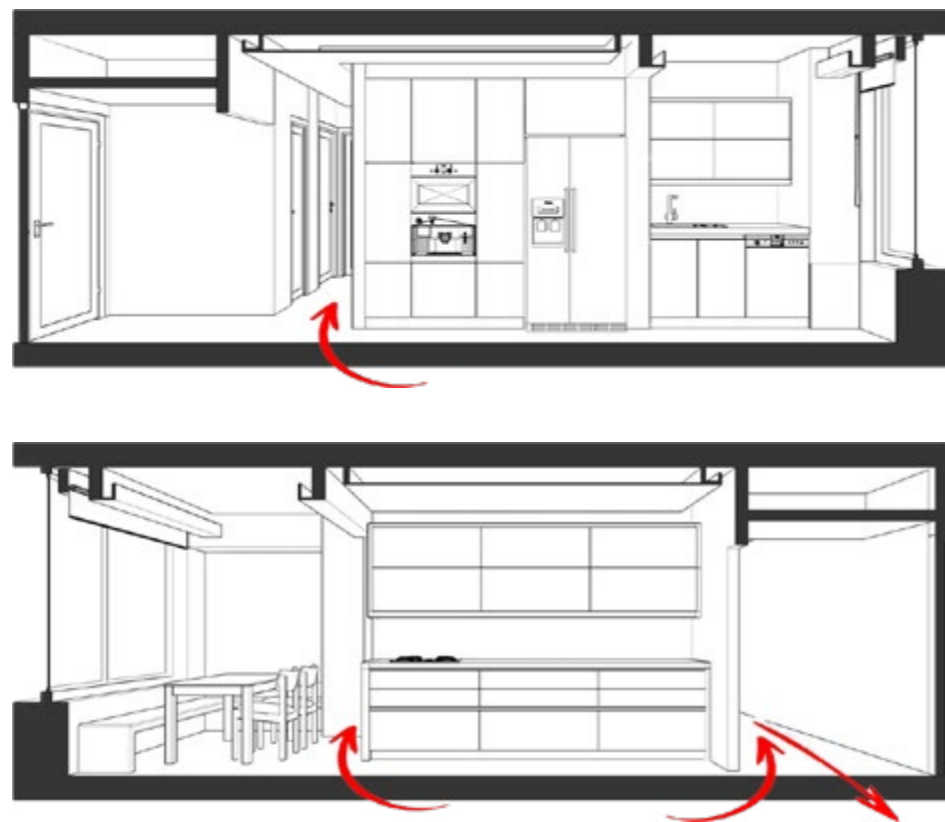




The luxurious central kitchen plays a pivotal role in shaping the overall design of this apartment. Positioned directly opposite the entrance, it serves as the heart of the home, connecting the private bedrooms on one side and the living area on the other. Acting as both a divider and a corridor, the kitchen organizes the space while providing seamless access to all areas.

Designed for both functionality and comfort, the kitchen also includes a cozy seating area that can accommodate up to six people, making it ideal for small gatherings. Its thoughtful design allows for a simplified lifestyle, enabling the homeowner to comfortably carry out most daily activities within the kitchen and bedroom areas—a perfect solution for today's busy and fast-paced routines.

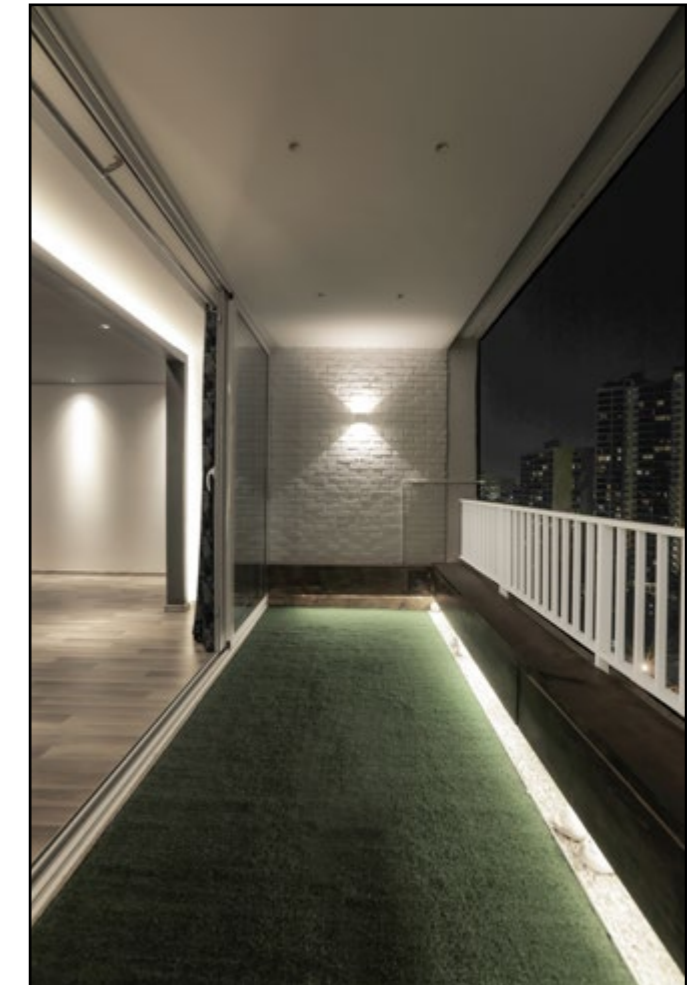
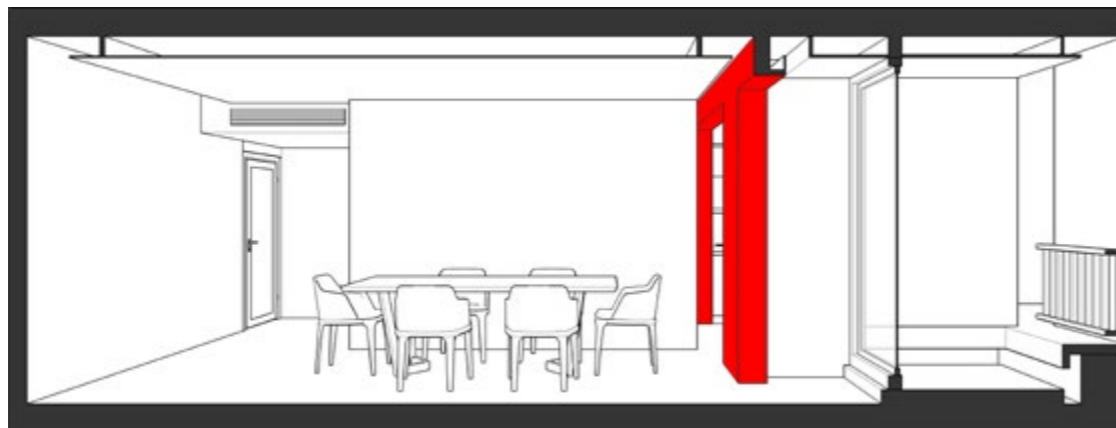
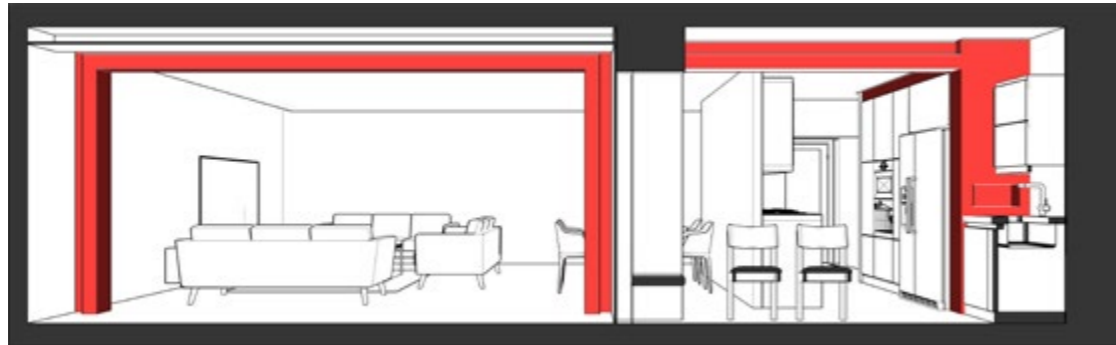
Equipped with built-in appliances, including a dishwasher, oven, microwave, and coffee maker, the kitchen enhances everyday living. Its smart design and functionality make it the beating heart of the home, combining practicality with style.



### Modern Architectural Lines

As expected from modern architecture, this project features strong, logical lines with sharp and precise angles that maintain continuity throughout the entire space. These lines transition seamlessly from one form to another, preserving their character, color, and material while adapting to different elements of the design.

This approach is complemented by the use of false ceilings and walls, integrated with carefully designed lighting and harmonious color schemes. The result is an inviting and cohesive environment that balances serious, modern angles with warmth and elegance. Whether during the day or at night, the space offers a delightful ambiance that highlights its contemporary character.





Photography: Pedram Ghazimoghaddam, Mahfam Attaran

# Cliffside Retreat

**Date:** JUN 2021 —OCT 2021

**Area:** 370 m<sup>2</sup>

**Role:** Architectural Designer and Project Lead

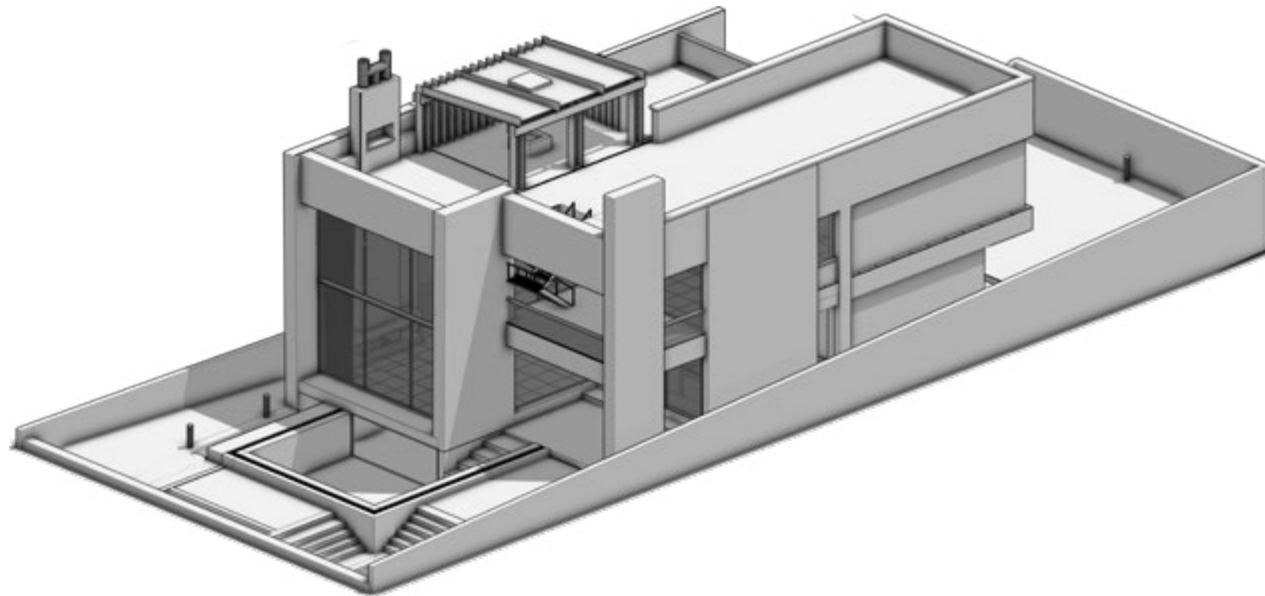
**Responsibilities:**

- Architectural design and space planning
- 3D rendering and visualization using **3ds Max, Lumion , and Photoshop**
- Drafting detailed drawings and construction documents using **AutoCAD**

**T**his villa is located in the village of Marzanabad, on a cliff with stunning views of the mountains and the road below. The unique location inspired a design that maximizes the views from almost every part of the villa.

The villa includes 4 bedrooms, 5 bathrooms, a large kitchen, and 4 living areas for relaxing, dining, and entertainment. The basement features a party and gathering space. The property also has a heated outdoor pool, a rooftop garden, a mechanical room, and two terraces.

For this project, I was responsible for the architectural design, while the structural work was handled by engineers. I remained involved up to the excavation and initial foundation stages to ensure the design was properly implemented.



### Challenges of the Cliffside Retreat Design

The most challenging aspect of this project was the location of the site on a hillside next to a steep cliff. While the position provided stunning, unobstructed views for the villa, it also posed the significant risk of landslides.

To address this, soil sampling and analysis were conducted, and the structure and foundation were carefully designed by structural engineers in accordance with safety standards and the soil's load-bearing capacity. One of the key solutions to mitigate the risk of soil movement was the construction of four 3-meter-deep concrete shafts, which were anchored to the foundation. This eliminated the landslide risk entirely.

This solution also allowed us to extend the building footprint as close to the cliff as possible, ensuring the villa could take full advantage of the breathtaking views of the surrounding landscape.

