

Mustafa El-Fadil

PORTFOLIO

Selected
Work

2025



Hello

I am Mustafa El-Fadil, a fresh graduate junior architect, holding a Bachelor's degree from the Faculty of Architecture, University of Khartoum.

I am architectural designer focusing in producing architectural drawings , conceptual site planning, landscape design and 3d models for architectural visualization.

I aim to create design that are functional, climate responsive and focusing in simplicity and clarity on concepts responding to human comfort.

This portfolio includes selected work produced over recent years, reflecting my development in design clarity and contextual understanding. I am committed to continuous learning and growth, aiming for long-term skill development on both a personal and professional level.

Contact here

All contact details are clickable for quick and direct communication.

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Phone : +20 1060417210

Whatsapp : +20 1060417210

Education

2018 - 2025

University of Khartoum Bachelor's degree

Architecture experience

Jan 2023 -March 2023

trainee in Eco Archads consulting, Sudan
Training period as architectural designer for proposed hospital in central khartoum, engineering drawings using Autodsek Revit and Autocad.

Jan 2024 -Oct 2024

Km - kitchens, Cairo, Egypt
Work as interior designer in designing kitchens, dressing rooms, bathrooms and create detailed drawings and communicate with factory.

Software skills

- Autodesk Revit
- Autodesk 3dsmax
- Archicad
- Lumion renderer
- Twinmotion renderer
- Corona rederer
- V-Ray renderer
- Adobe photoshop
- Adobe illustrator
- Adobe after effect
- Adobe indesign
- Microsoft office

skills

- Architectural design
- Modeling
- Interior design
- Technical drawings
- 2d rendering
- 3d Rendering
- Computer skills

- Teamwork
- Communication
- Multi-tasking
- Time managment
- Video editing
- Content creator
- little knowledge in programming (Html,css,python)

Volunteer experience

- Organizing Team Member, University of Khartoum Development & Renaissance Conference

Assisted in planning, coordination, and on site organization to support a collaborative academic and community development(April 2022)

- Founder & coach, Local community Football team

Established and trained a community sports team to encourage teamwork, youth engagement, and positive social interaction.

- Developer & content curator, Architecture student Association - Telegram library project
Created and maintained a digital architectural reference library to improve academic resource accessibility among student.(Jan 2023 - present)

Language

- Arabic
- English

Content

0 1



Community
center

0 2



Factory
design

0 3



Villa
design

0 4



Hotel
design

0 5



Interior
design

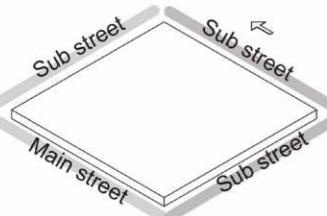
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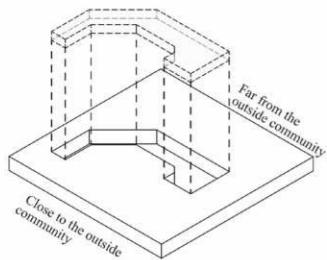
Render
practice



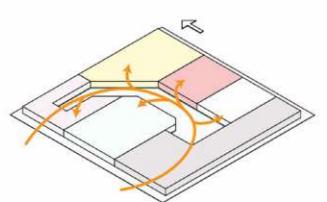
Mass formulation



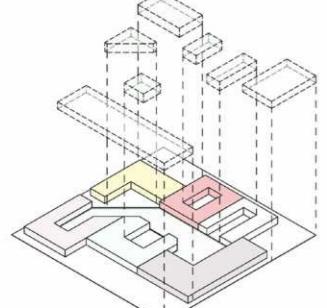
The site
100m X 100m
Surrounded by three side streets and one main street



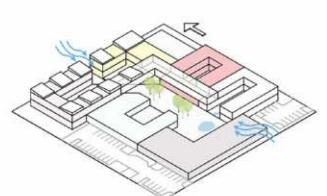
Plaza
The main plaza was added in the middle of the block, overlooking the rest of the blocks, and it became the main outlet for the project. It was oriented in a way that allows the air to pass from north to south and from south to north.



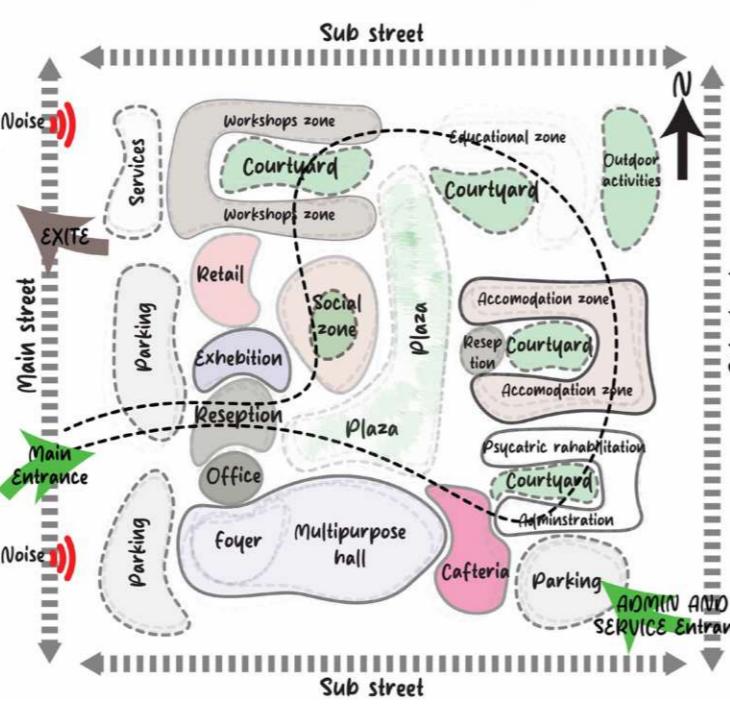
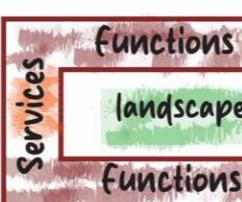
Functions
The project was divided into five different wings containing project activities such as shelter, rehabilitation, education, workshops and community integration. setbacks have been made.



Orientation and (solids vs voids)
The largest side was oriented north and south, and internal courtyards were added to each block, creating shaded central spaces that are comfortable to use. Parking spaces were also designated.



Connection and Heights
The blocks were raised to the first floor and a corridor was added to provide better connectivity between the blocks. Height differences were created in some blocks to improve the climatic performance of the spaces depending on the function of the space.



Community center Architectural

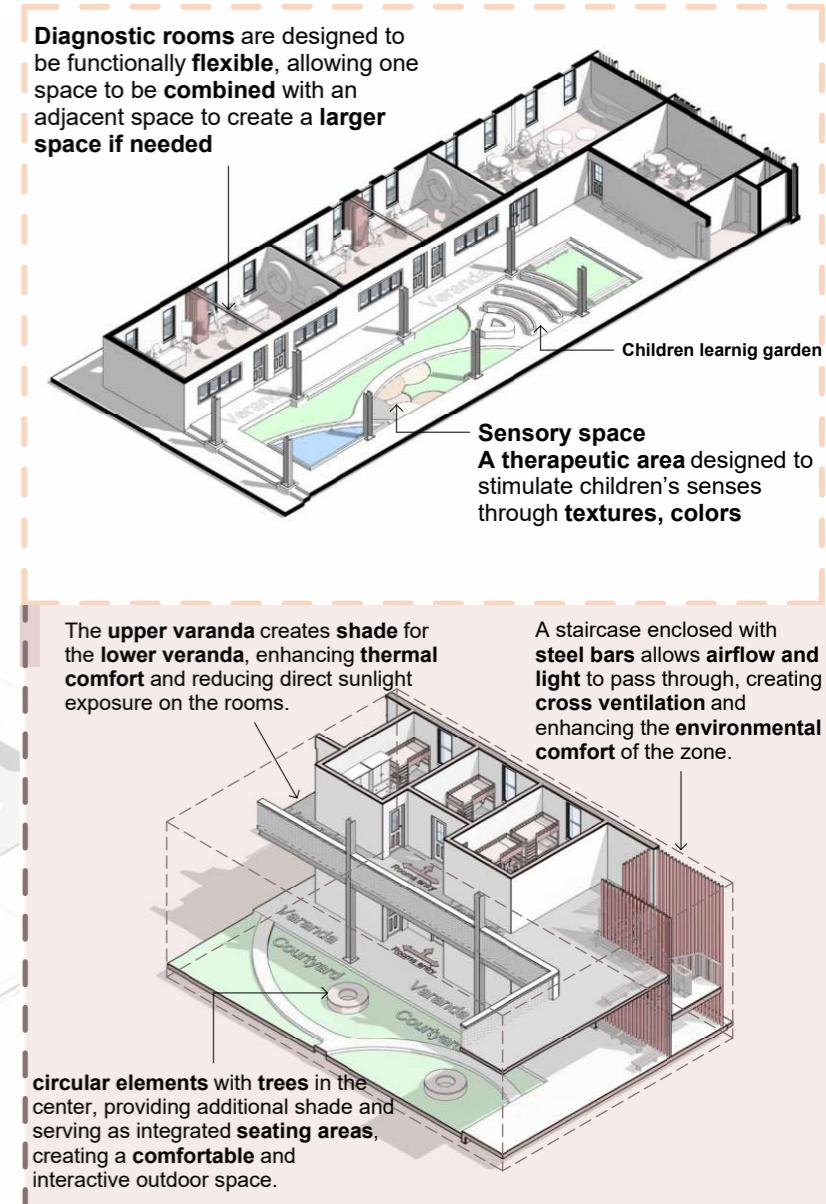
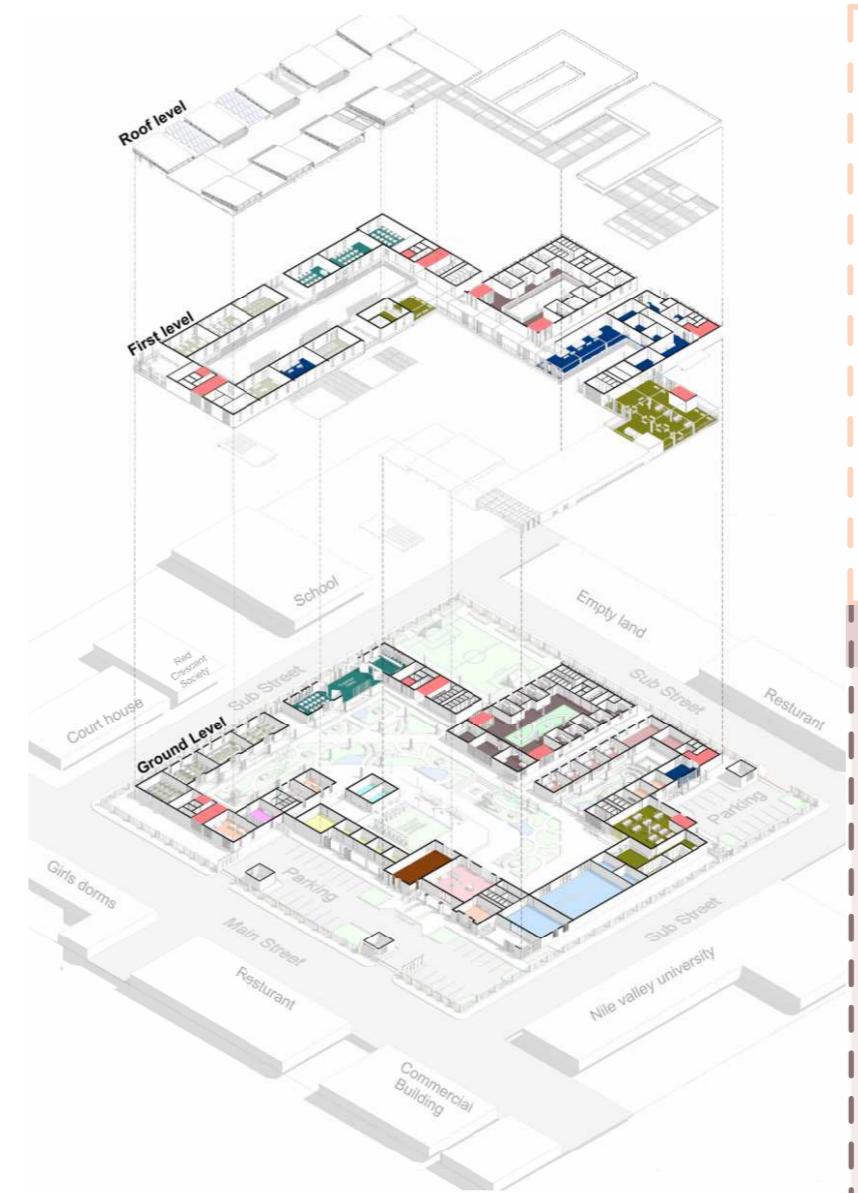
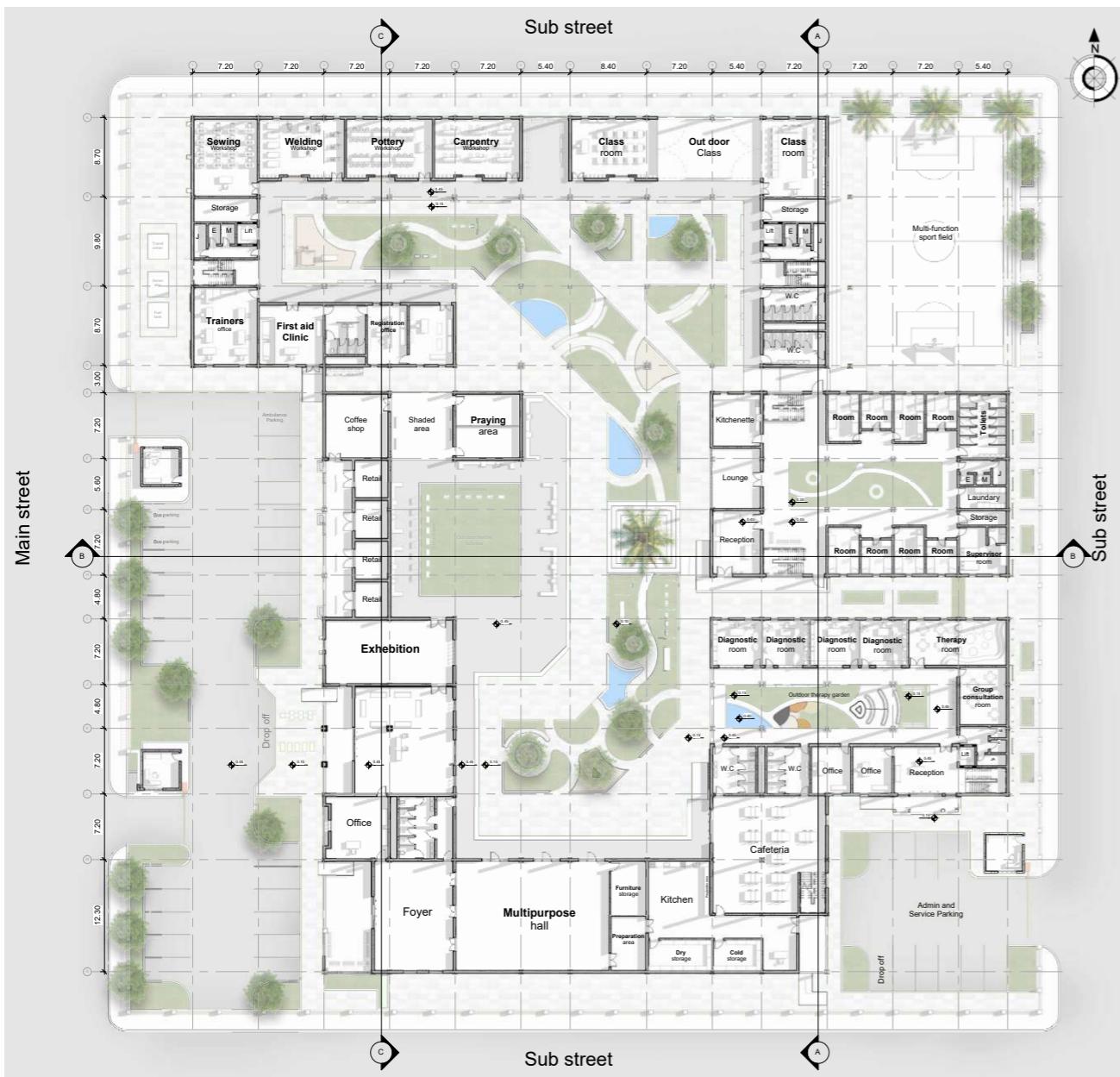
Location: Atbara , River nile, Sudan



About project

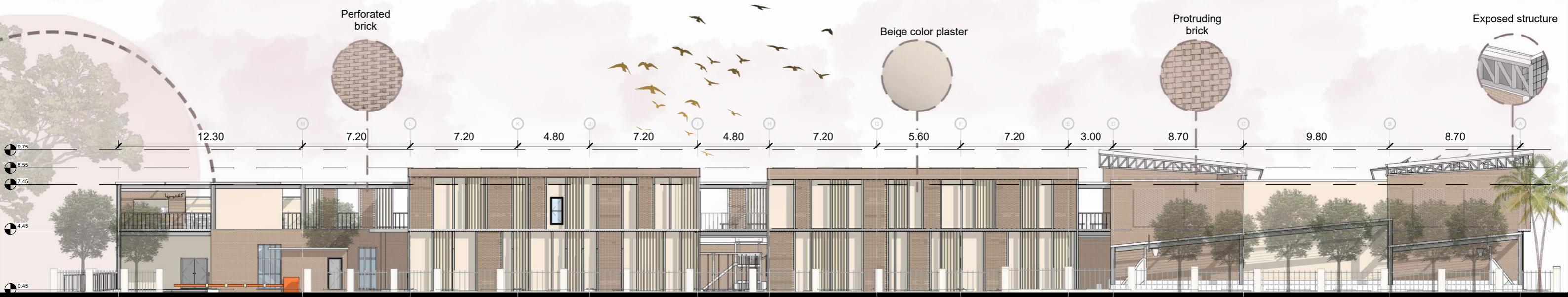
| | |
|------------|---------------------------|
| Type | Humanitarian architecture |
| Built area | 3,500 m ² |
| Site area | 10,000 m ² |
| Client | Academic |
| Year | 2025 |
| Location | Sudan |

Phoenix Center for Rehabilitation of War-Affected Communities is a humanitarian architectural project responding to the impact of war and displacement on children in Sudan. The project provides an integrated program that includes temporary shelter, psychological rehabilitation, education, vocational training, and community integration. It is designed to operate efficiently during and after conflict, with a strong focus on sustainability through climate-responsive design, local materials, and a flexible cluster-based layout that maximizes space efficiency and long-term usability.

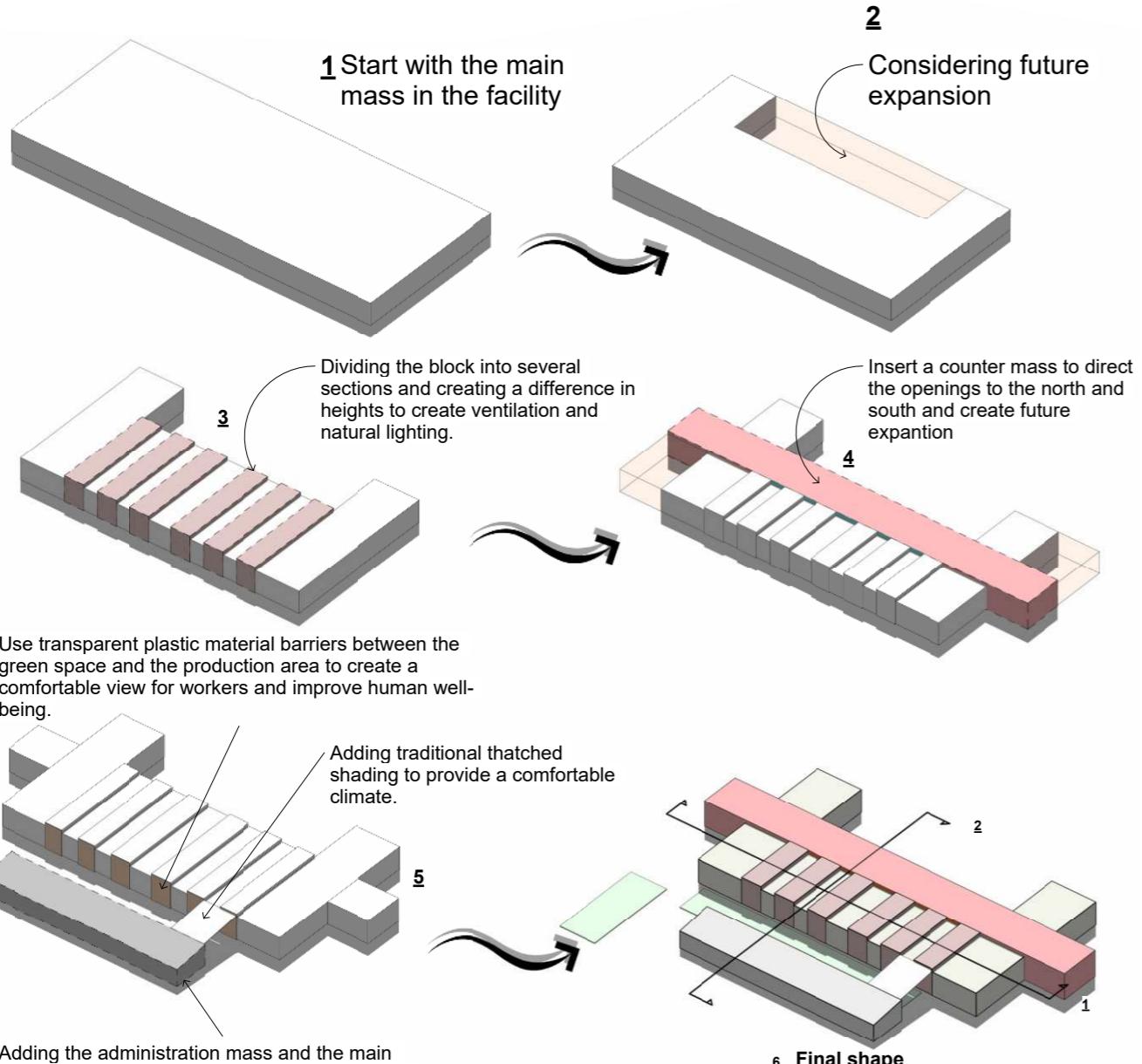


East Elevation:

Scale 1:300



Mass formulation



Adding the administration mass and the main entrance to create an open central environment with green spaces that enhance the environment for communication and increase efficiency for workers.

Main idea :

Functionally:

Create a building that prioritizes human well-being through three key elements:

1. Natural lighting
2. Natural ventilation
3. User comfort.

Formation:

Relying on rectangular and parallel shapes

Software : Revit

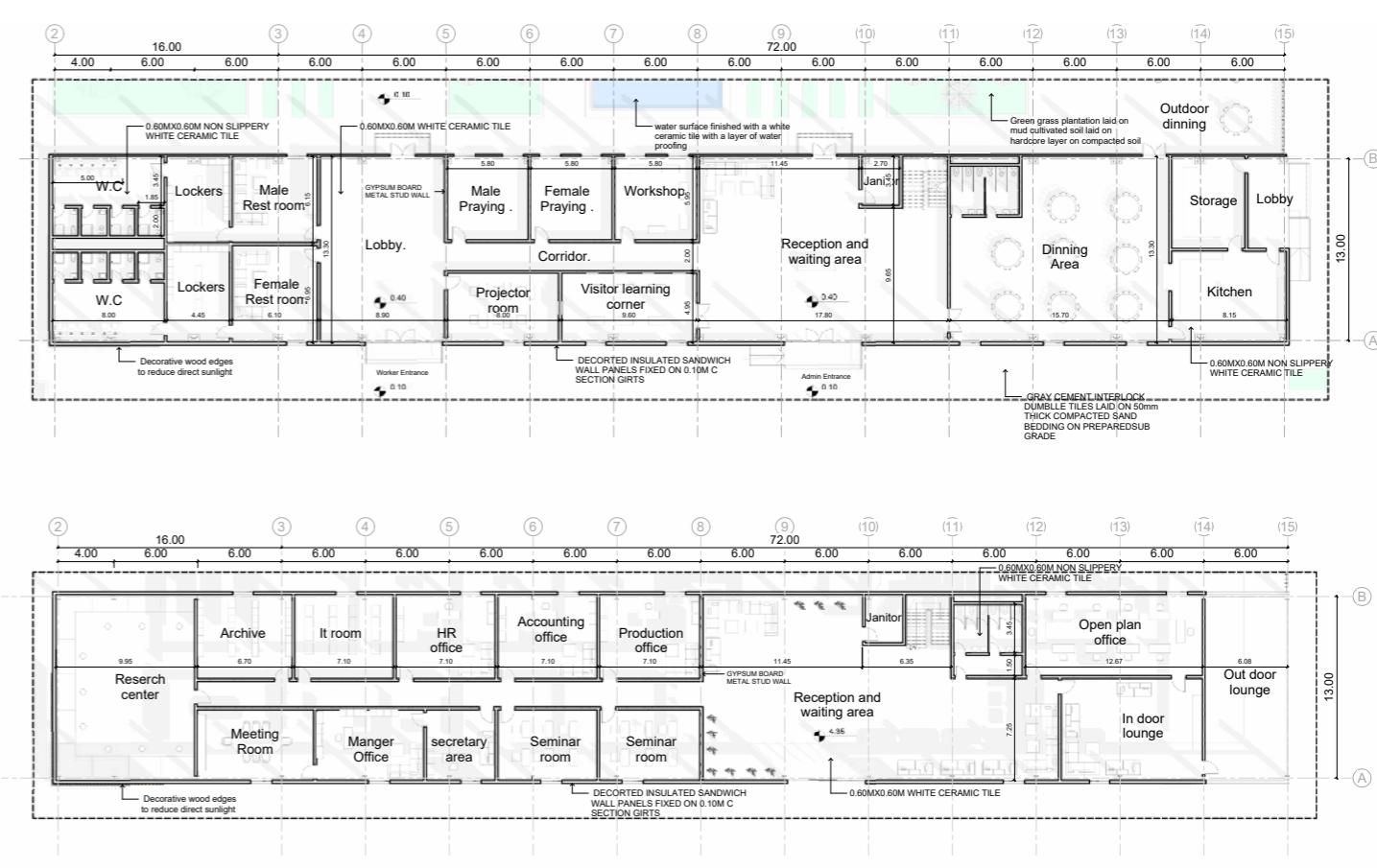
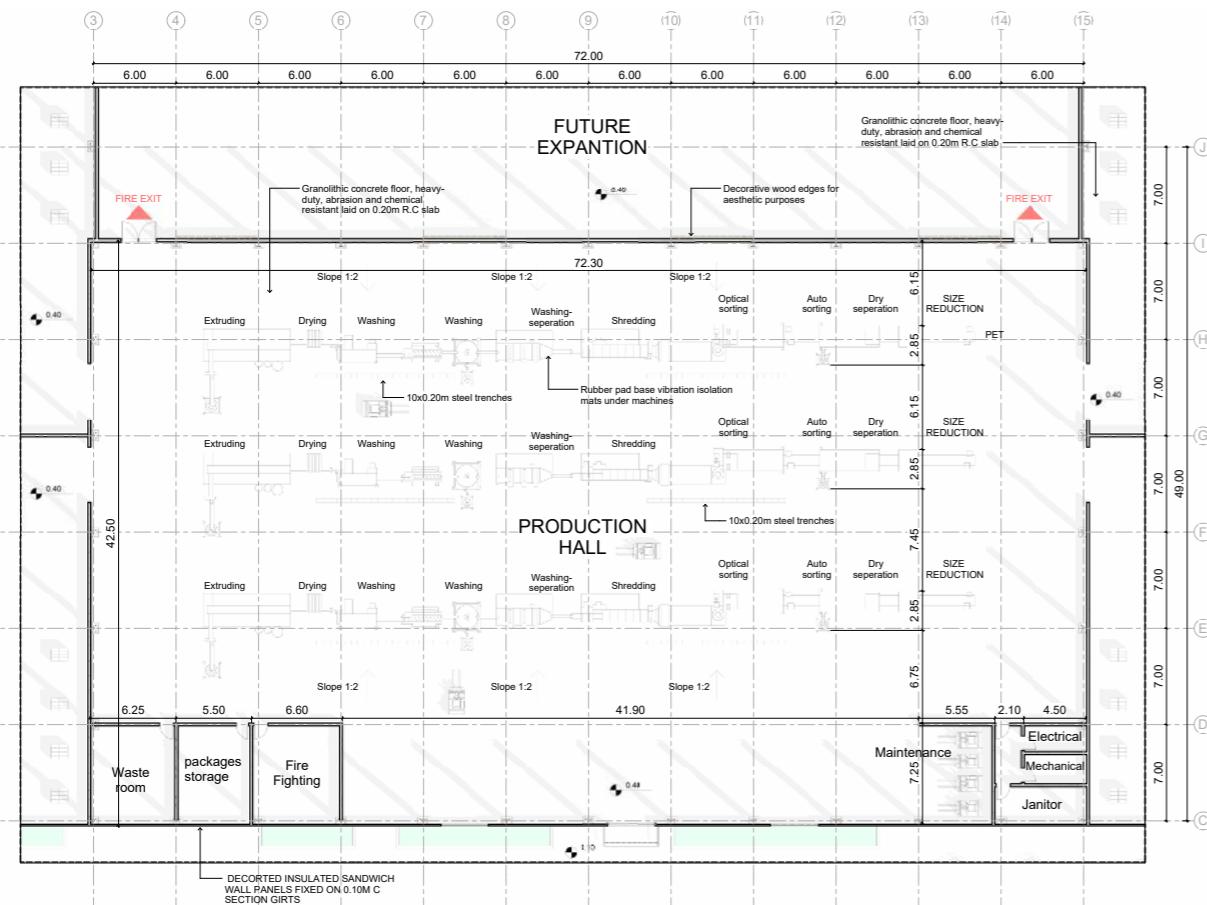
Factory project Architectural

Location: Aljaily , Khartoum, Sudan

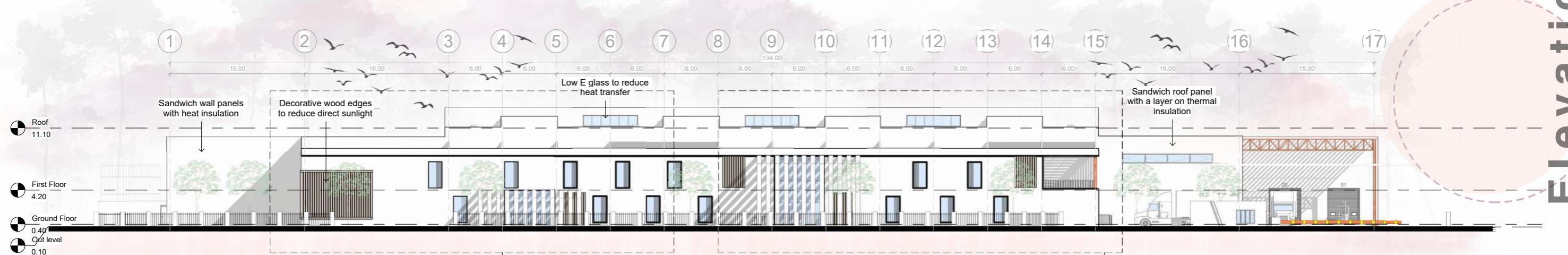
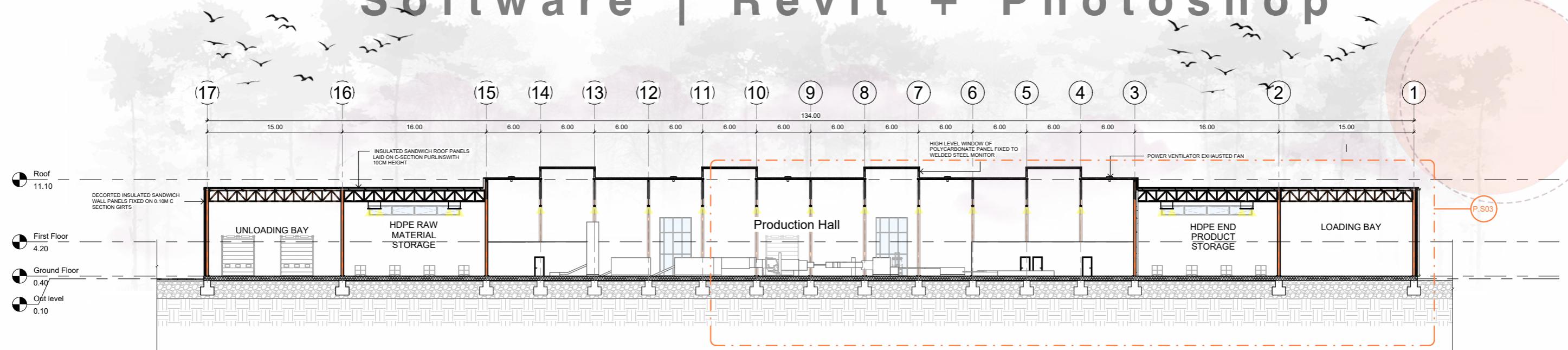
About project

| | | |
|------------|-----------------------|---|
| Type | Industrial | This project is a design for a plastic recycling factory that organizes the production flow from incoming raw materials through processing to the final product. The design focuses on a clear functional layout that supports efficient movement of materials and workers throughout the facility. Natural daylight is integrated into the building to enhance the workspace environment and reduce reliance on artificial lighting. |
| Built area | 6,500 m ² | The structure employs steel framing to ensure durability, flexibility, and clarity of form. The project demonstrates a thoughtful approach to industrial design, highlighting workflow optimization and environmental responsiveness in architectural solutions. |
| Site area | 20,000 m ² | |
| Client | Academic | |
| Year | 2024 | |
| Location | Sudan | |

P i a n s



Software | Revit + Photoshop





Villa design

Architectural

| | |
|------------|--------------------|
| Type | Residential |
| Built area | 315 m ² |
| Site area | 600 m ² |
| Client | presumptive |
| Year | 2026 |
| Location | Saudi arabia |

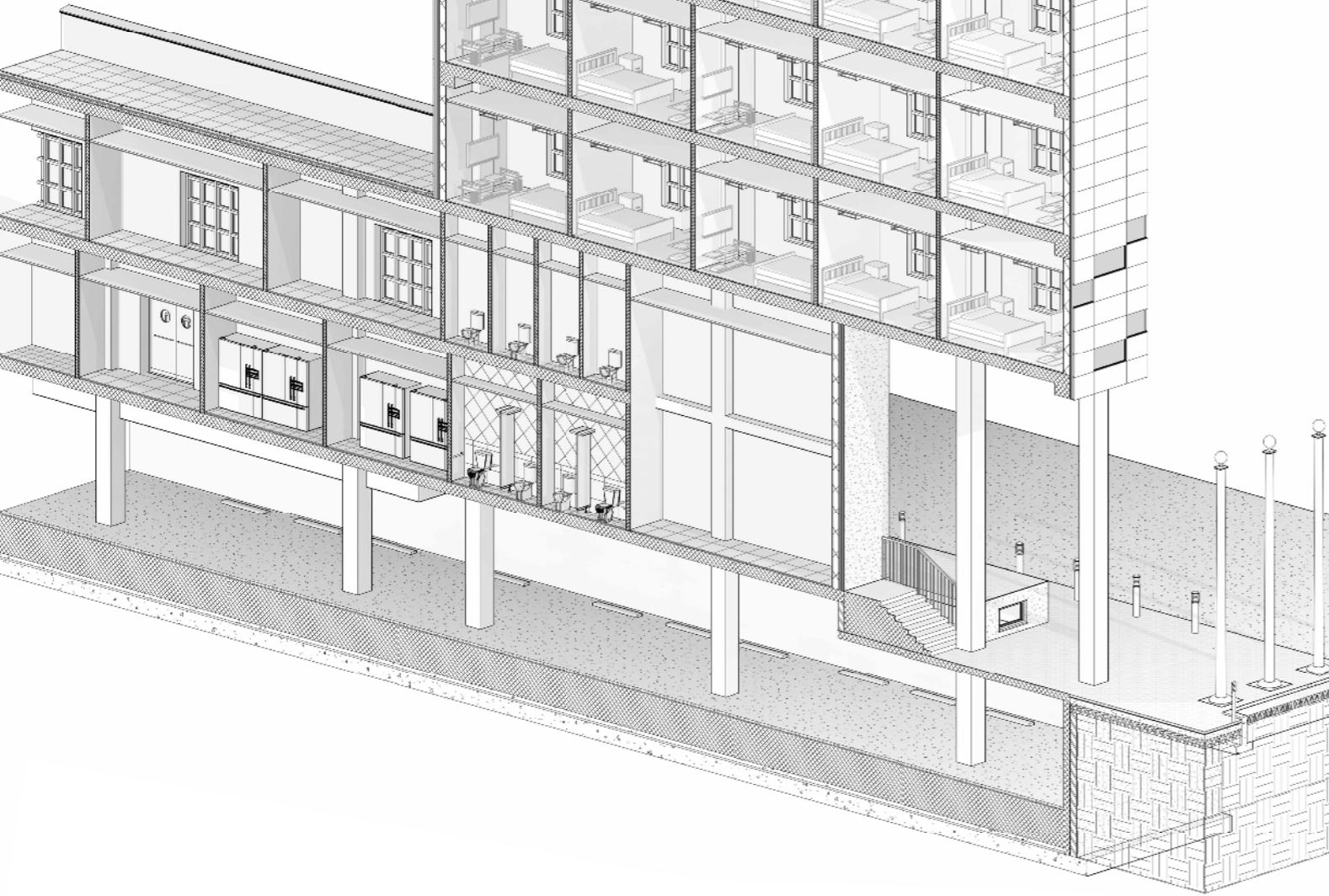
A modern and minimalist residential design that blends elegance with visual calm.

The facade is shaped through clean masses, neutral materials, and a thoughtful balance between solid and transparent openings to ensure privacy while maintaining natural light.

Vertical elements and architectural lighting highlight depth and details, creating a refined contemporary expression that reflects the essence of luxury living.





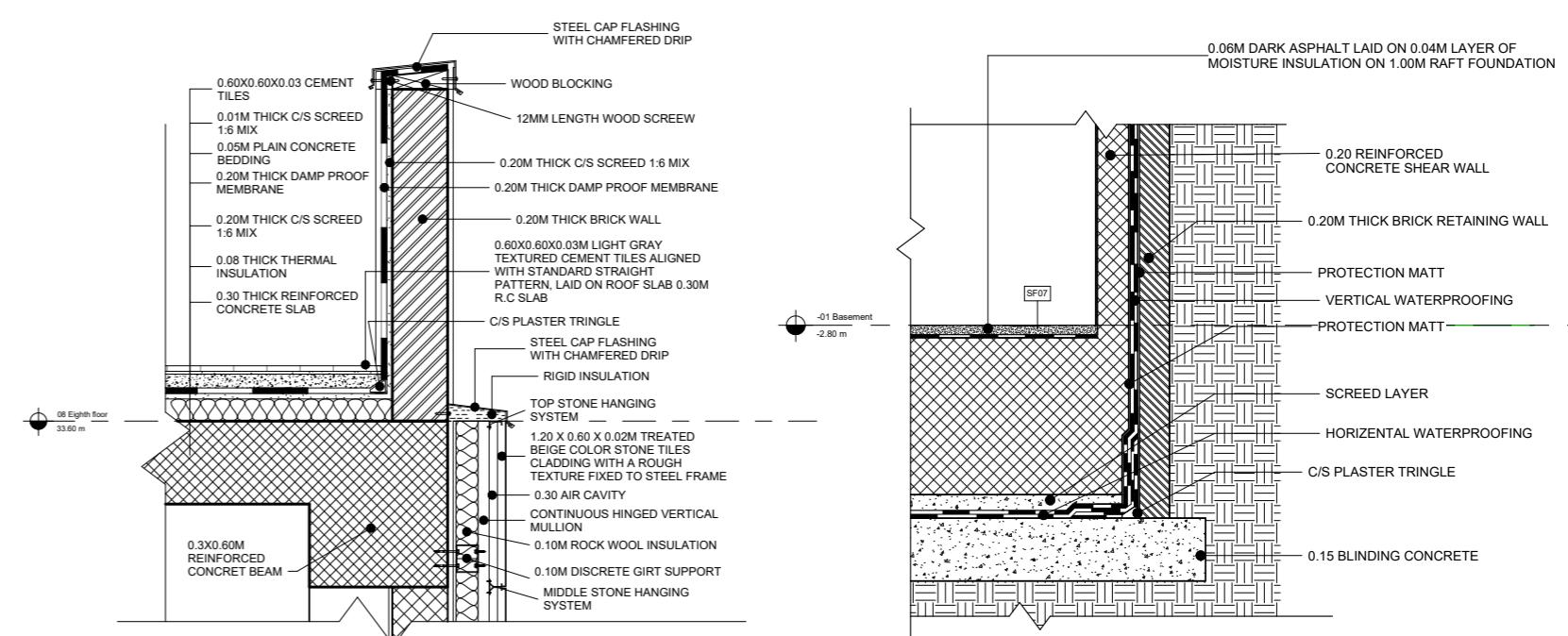
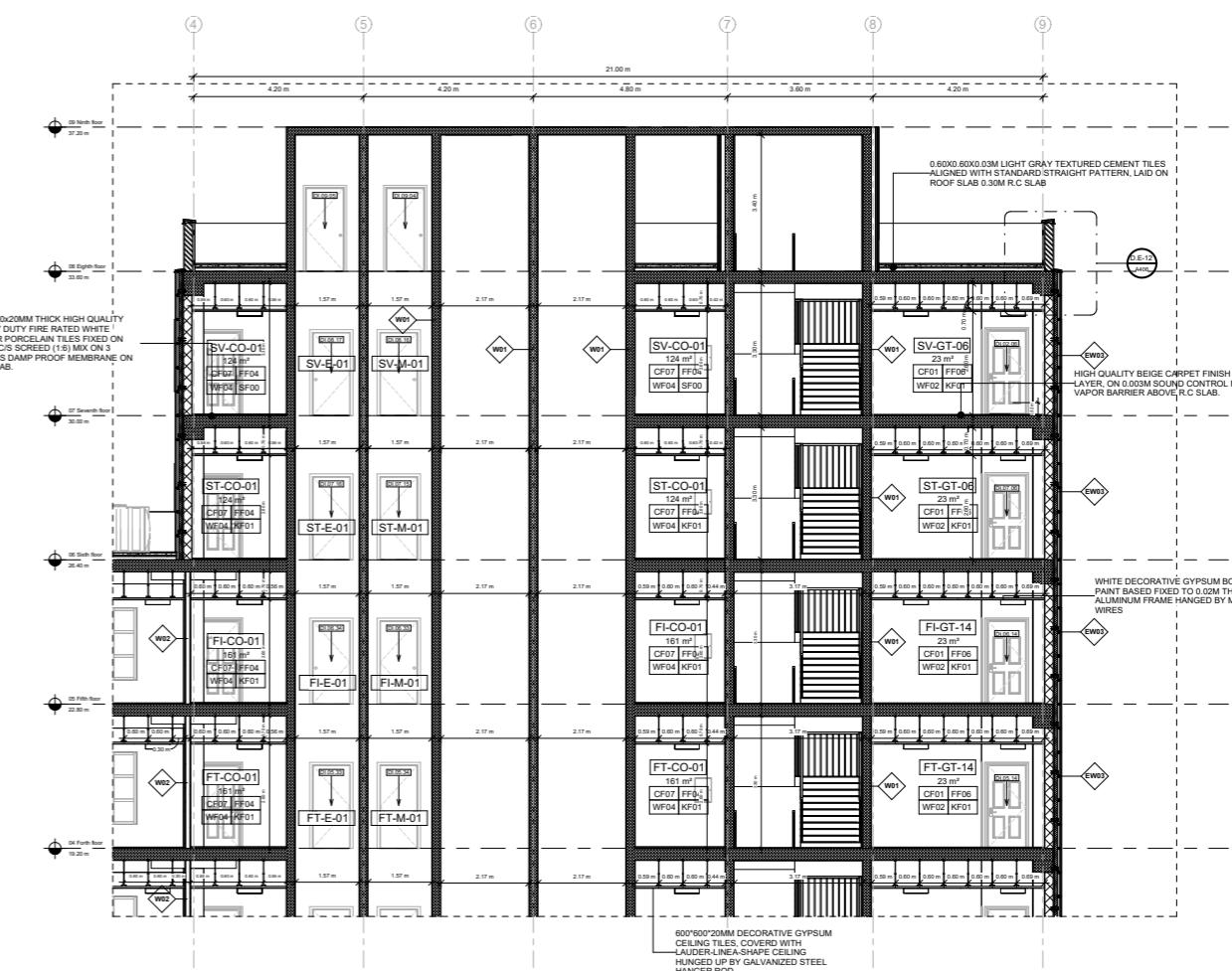
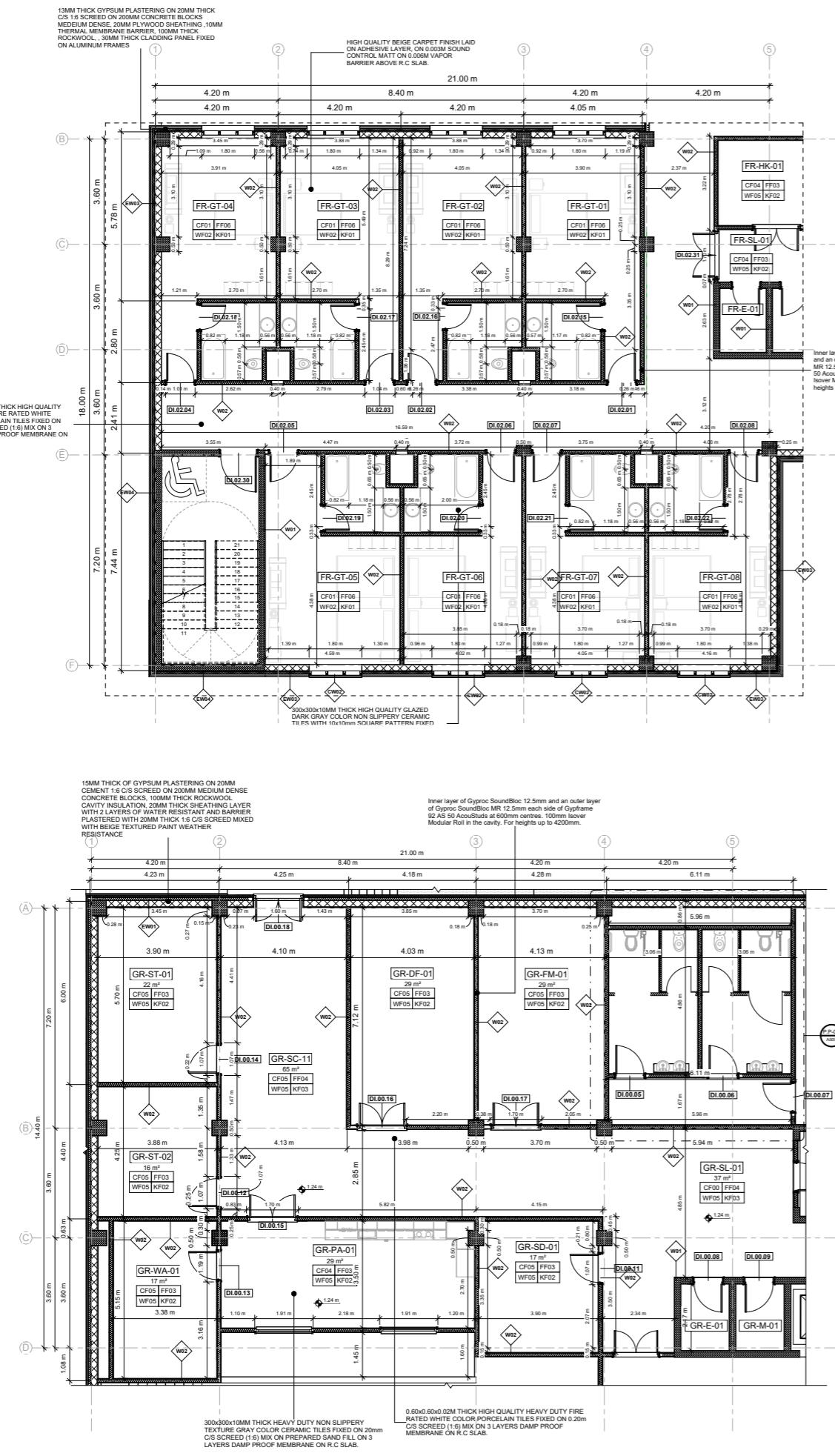


4 - S T A R S H O T E L

W o r k i n g D r a w i n g

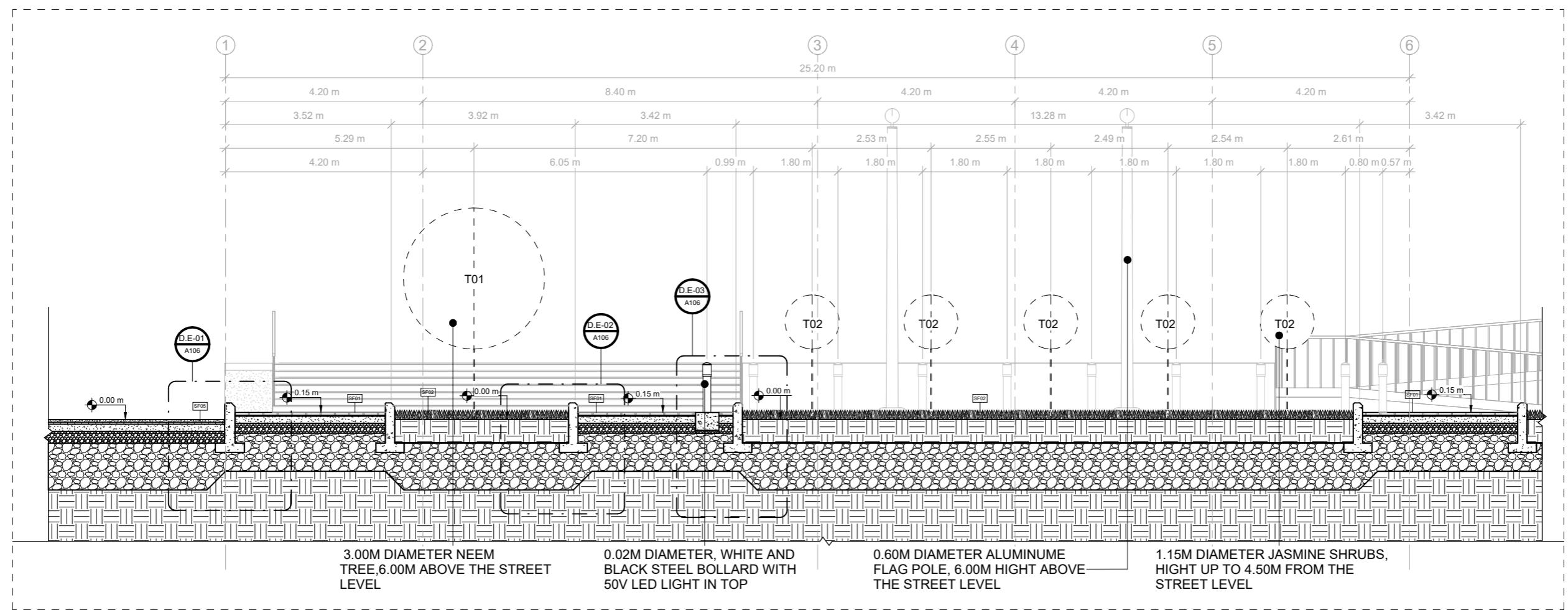
Location: Omdurman, Khartoum, Sudan

Planning and designing detainees



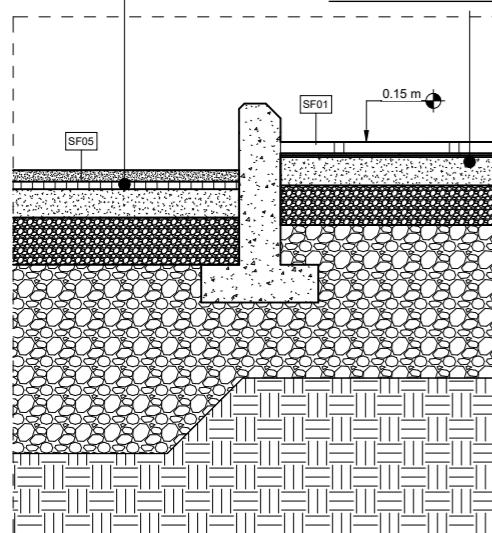
Construction detail

Software | Revit



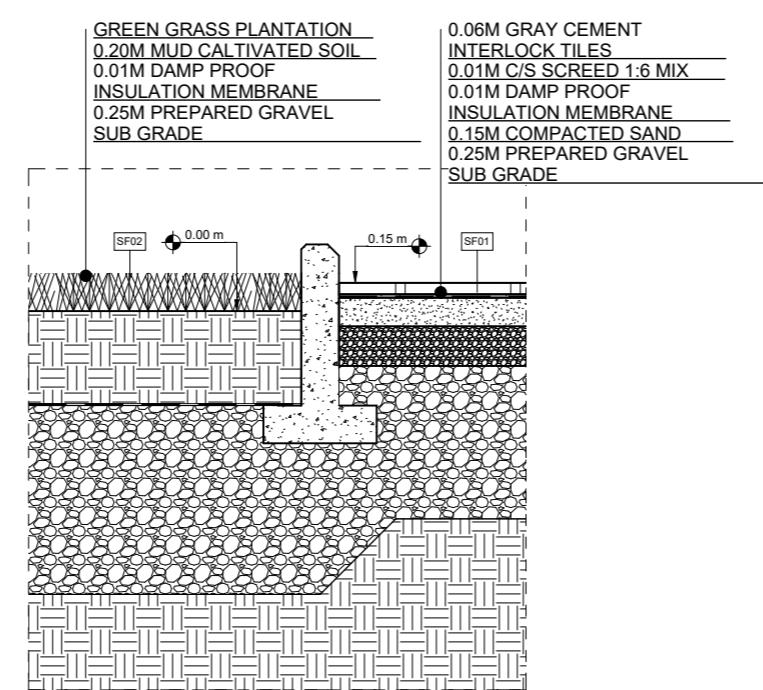
P.S-01 SITE TREATMENT PART SECTION 0
A103 SCALE 1 : 50

0.06M DARK ASPHALT
0.04M LAYER OF MOISTURE
INSULATION
0.15M COMPACTED SAND
0.25M PREPARED GRAVEL
SUB GRADE



D.E-01 PAVEMENT AND ASPHALT DETAIL
A106 SCALE 1 : 20

0.06M GRAY CEMENT
INTERLOCK TILES
0.01M C/S SCREED 1:6 MIX
0.01M DAMP PROOF
INSULATION MEMBRANE
0.15M COMPACTED SAND
0.25M PREPARED GRAVEL
SUB GRADE



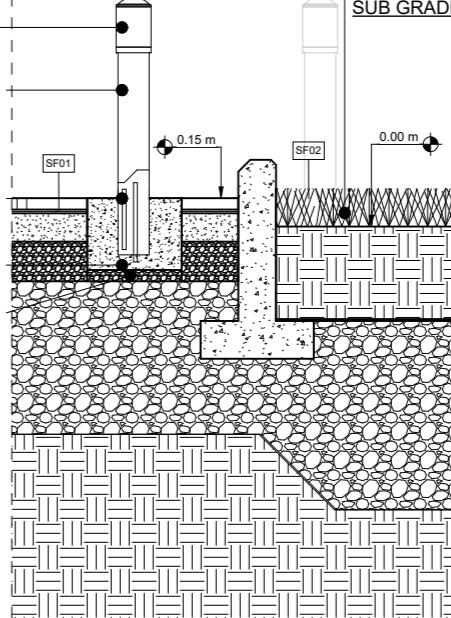
D.E-02 PAVEMENT AND GRASS DETAIL
A106 SCALE 1 : 20

The diagram illustrates a vertical bollard. A dashed rectangular box encloses the top portion of the bollard. Two black dots mark specific points on the bollard's surface. A leader line labeled 'LED LIGHT' points to the top dot. Another leader line labeled '200MM EXTRUDED ALUMINUM BOLLARD WITH FINISH SPECIFIED' points to the bottom dot.

LED LIGHT

200MM EXTRUDED
ALUMINUM
BOLLARD WITH FINISH
SPECIFIED

GREEN GRASS PLANTATION
0.20M MUD CULTIVATED SOIL
0.01M DAMP PROOF
INSULATION MEMBRANE
0.25M PREPARED GRAVEL
SUB GRADE



D.E-03 **LAMP POST DETAIL**
A106 **SCALE 1 : 20**

Landscape editing and scene capture

I n t e r i o r d e s i g n

A r c h i t e c t u r a l



Software | 3dsmax + Corona



Software | 3dsmax + Corona



Software | 3dsmax + v-ray



Software | 3dsmax + V-ray





R e n d e r s

3 d v i s u l i z a t i o n

Software | Revit + Lumion



Software | Revit + Lumion



Software | Revit + Lumion



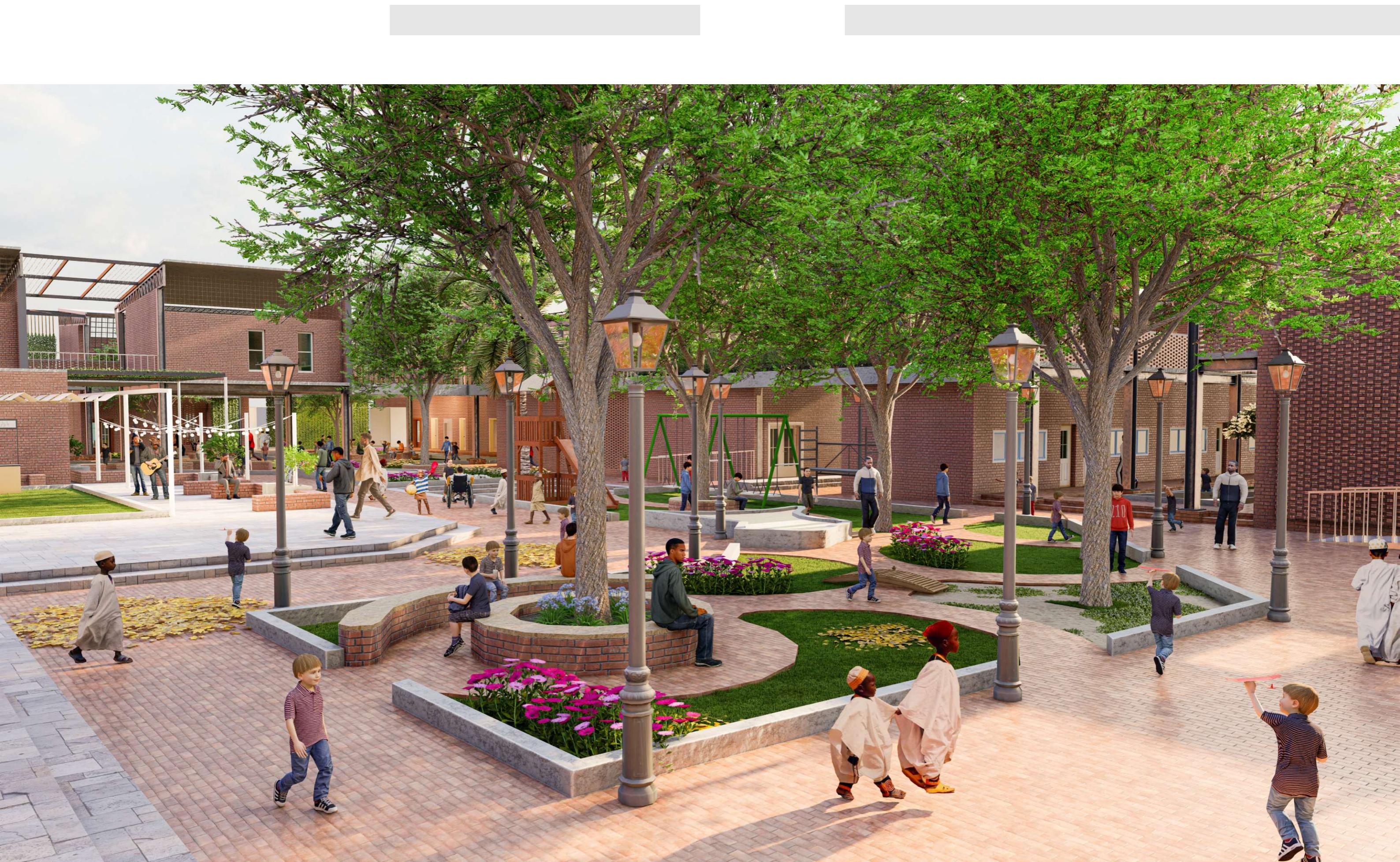
Software | Revit + Lumion



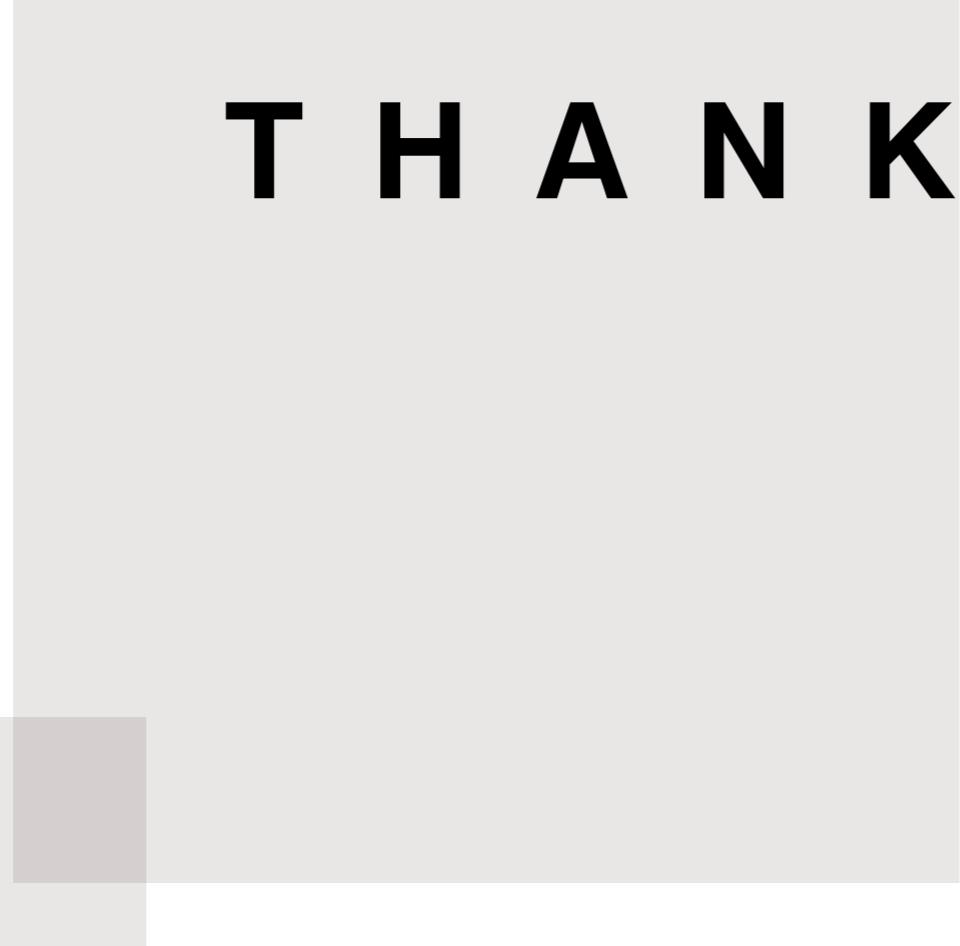
Software | Revit + Lumion



Software | Revit + Lumion



Software | Revit + Lumion + Photoshop



THANK YOU

Contact here

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