



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with “A” grade by NAAC | 12B Status by UGC | Approved by AICTE

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119

www.sathyabama.ac.in

SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF ARCHITECTURE
PRACTICAL TRAINING PORTFOLIO (SAR4063)
DEC 2022

Name of the Student : RAVINA. A

Batch : 2019 - 2024

Reg No. : 39210067

Semester : VII



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DEPARTMENT OF ARCHITECTURE

VIVA-VOCE EXAMINATION

This is to certify that the practical training SAR 4063 is the work of RAVINA.A who had undergone training in AJ DESIGN CONSULTANCY (Name of the Firm) has been monitored by the continuous assessment during JUNE 2022 to NOVEMBER 2022.

Dr. Devyani Gangopadhyay
DEAN

Submitted for Viva voce Examination held on 13-12-2022

Internal Examiner

External Examiner





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DECLARATION

I, RAVINA.A hereby declare that the Training Report **JUNE 2022 to NOVEMBER 2022** done by me under the guidance of **Ar. GHASSAN BAZERBASHI** is submitted in partial fulfillment of the requirements for the completion of practical training session.

DATE : 13-12-2022

PLACE : CHENNAI

A handwritten signature in blue ink, appearing to be 'Ravina.A', written over the printed text 'SIGNATURE OF CANDIDATE'.

SIGNATURE OF CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this practical training and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. Devyani Gangopadhyay**, Dean, School of Building and Environment and **Ar.Sarath Chandra Kanth**, Design Chair, Department of Architecture for having been a constant source of support and encouragement.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of who were helpful in many ways for the completion of the project.

I also wish to thank **Ar. GHASSAN BAZERBASHI**, for the experience of interning at their firm.

INTERNSHIP CONTRACT AGREEMENT

PARTIES

- This Internship Agreement (hereinafter referred to as the “Agreement”) is entered into on 8/6/22, by and between **AJ DESIGN**, with an address of **Ajman, UAE**, (hereinafter referred to as the “Company”) and **RAVINA ARUNAGIRI**, with an address of **Ajman University, UAE**, (hereinafter referred to as the “Intern”) (collectively referred to as the “Parties”).

INTERNSHIP POSITION

- The Intern has been assigned to the position of **Trainee of Junior Architect** in the **Architecture/Design** Dept.

DUTIES AND RESPONSIBILITIES

- During the internship period, the Intern shall have the responsibility of performing duties as the attached Job description.

PAY AND COMPENSATION

- The Parties hereby agree that this internship is unpaid and that the Intern will not be compensated or paid for any services that she conducts at the Company.
- The Intern agrees that she will be compensated in knowledge, education and experience as consideration for the duties and responsibilities that she will undertake under this Agreement.

WORKING HOURS

The Intern agrees that she will be working from 9AM to 6PM.

- In particular, the Intern agrees that she will work on average 14 hours per week.

TERM OF AGREEMENT

- This Agreement shall be effective on the date of signing this Agreement (the “Effective Date”) and will end on - 26/10/22.

TERMINATION

- This Agreement may be terminated in the event that any of the following occurs:
 - Immediately in the event that the Intern breaches this Agreement.
 - At any given time by providing written notice to the other party 1 week prior to terminating the Agreement.
- Upon terminating this Agreement, the Intern will be required to return all the Company’s materials, products or any other content at the last day of Internship.

CONFIDENTIALITY

- All terms and conditions of this Agreement and any materials provided during the term of the Agreement must be kept confidential by the Intern, unless the disclosure is required pursuant to process of law.
- Disclosing or using this information for any purpose beyond the scope of this Agreement, or beyond the exceptions set forth above, is expressly forbidden without the prior consent of the Company.

INTELLECTUAL PROPERTY

- The Intern agrees that any intellectual property provided to her by the Company will remain the sole property of the Company, including, but not limited to, copyrights, patents, trade secret rights, and other intellectual property rights associated with any ideas, concepts, techniques, inventions, processes, works of authorship, confidential information or trade secrets.

REPRESENTATION AND WARRANTIES

- Both Parties warrant that as of the Effective Date, they have the power and authority to enter into this Agreement and to perform their obligations under it, and to grant to each other the rights provided under this Agreement.

ENTIRE AGREEMENT

- This Agreement contains the entire agreement and understanding among the Parties to it with respect to its subject matter, and supersedes all prior agreements, understandings, inducements and conditions, express or implied, oral or written, of any nature whatsoever with respect to its subject matter. The express terms of the Agreement control and supersede any course of performance and/or usage of the trade inconsistent with any of its terms.

SIGNATURE AND DATE

- The Parties hereby agree to the terms and conditions set forth in this Agreement and such is demonstrated by their signatures below:

INTERN:

Name: RAVINA ARUNAGIRI

Signature: 

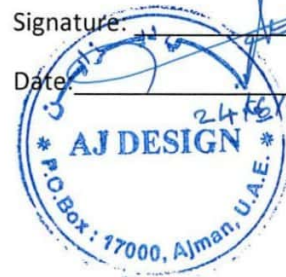
Date: 10/6/22

AJ DESIGN:

Name: GHASSAN BAZERBASHI, GM

Signature: 

Date: 24 FEB 2022



9th June 2022

DR. DEVYANI GANGOPADHYAY

Dean, School of Building & Environment
Sathyabama Institute of Science and Technology
Tamilnadu, India

Subject: **Internship Joining/Confirmation**

Dear **Dr. Gangopadhyay**:

This letter is to confirm that your student, **MS. RAVINA A.** has been accepted and appointed as an Intern-Junior Architect at AJ Design Head Office, assigned in the Architecture/Design Department.

Ms. Ravina will be under the supervision of the undersigned with the following details:

Name : Arch. Ghassan Bazerbashi
Designation : General Manager
Contact No. : +97167425555
Email Address: ghassan@aj-des.ae
Office Email : info@aj-des.ae

She officially started her internship program on 8th June 2022 and shall end for a minimum span of 90 days thereafter until she completes the required number of internship days.

This is for your information and record.

Best regards,



GHASSAN BAZERBASHI
General Manager





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DEPARTMENT OF ARCHITECTURE

PROFESSIONAL PRACTICAL TRAINING REPORT 2022

(Continuous progress report of the trainee architect for the period of One month in the office to submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : AJ DESIGN CONSULTANTS
2. Address & Contact Number : Escape tower, ajman, uae
3. Name of the student : RAVINA A
4. Duration : From 13/7/22 To 8/8/22
5. Total No. of days : 26 days

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture		—			
Participation in the office		—			
Reading of drawings		—			
Presentation Techniques		—			
Model making works					—
Understanding of construction details			—		
Drafting Skills (Manual / Computer)		—			
Site Supervision / Discussion with clients					—
Adherence to Time schedule					
Other computer skills	—				
File and Office Maintenance	—				
Coordination with other consultants		—			
Overall Grading*	B				

(A – 9.0, B – 8.0, C – 7.0, D – 6.0, E – 5.0)



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7. Any other Remarks :

8. Signature of the:
Head of the Office
/ Organization
(With Seal)





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(Continuous progress report of the trainee architect for the period of One month in the office to submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : *AT design consultant*
2. Address & Contact Number : *Escape tower office, sheikh rashid road, ajman, UAE - +971 67425555*
3. Name of the student : *A. RAVINA*
4. Duration : From *June 8* To *July 12*
5. Total No. of days : *23 days*

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture		—			
Participation in the office		—			
Reading of drawings			—		
Presentation Techniques			—		
Model making works					—
Understanding of construction details					—
Drafting Skills (Manual / Computer)			—		
Site Supervision / Discussion with clients					—
Adherence to Time schedule		—			
Other computer skills		—			
File and Office Maintenance					—
Coordination with other consultants					—
Overall Grading*	D				

(A – 9.0, B – 8.0, C – 7.0, D – 6.0, E – 5.0)



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8. Signature of the:
Head of the Office
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DEPARTMENT OF ARCHITECTURE

PROFESSIONAL PRACTICAL TRAINING REPORT 2022

(Continuous progress report of the trainee architect for the period of One month in the office to submitted to HOD by the Trainee in Charge of the Organization)

1. Name of the office / organization : *AJ DESIGN CONSULTANTS*
2. Address & Contact Number : *Escape Tower, Ajman, Uae.*
3. Name of the student : *A. RAVINA*
4. Duration : From *9/8/22* To *7/9/22*
5. Total No. of days : *22 days.*

6. Evaluation of Performance criteria shall be on

* Note: Kindly grade the student as per his/her overall performance in the office during the assessment month which will be converted to the allotted 90 marks by the department.

Description of works	Excellent	Good	Fair	Poor	NA
Understanding of office culture		<i>—</i>			
Participation in the office		<i>—</i>			
Reading of drawings		<i>—</i>			
Presentation Techniques			<i>—</i>		
Model making works					<i>—</i>
Understanding of construction details					<i>—</i>
Drafting Skills (Manual / Computer)		<i>—</i>			
Site Supervision / Discussion with clients					<i>—</i>
Adherence to Time schedule			<i>—</i>		
Other computer skills		<i>—</i>			
File and Office Maintenance		<i>—</i>			
Coordination with other consultants					<i>—</i>
Overall Grading*	<i>B</i>				

(A – 9.0, B – 8.0, C – 7.0, D – 6.0, E – 5.0)



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7. Any other Remarks :

8. Signature of the:
Head of the Office
/ Organization
(With Seal)



JUNE

june8-10 four tower building case study,plan(coffee shop)-(discussion with ar.muna)
 13-17 coffee shop plan(ground floor,first floor,roof plan)-(discussssion with ar.muna)
 20-24 car taxi meter checking building-ground floor with mezzanine floor plan
 27- 1/9/22 section&construction details of car meter checking building-(discuss)

JULY

jul4-8 basic apartment plan-(discussion with ar.muna)
 jul 11-15 apart. Plan with car meter checking building m.floor & staircase design-(discuss)
 18-22 basic apartment plan (approved)+ starting 4 tower building floor plan-(discuss)
 25-29 floor plans for tower building

AUGUST

aug 1-5 apartment plan(g+21)-(discussion withar.ghassan)
 aug 8-12 apartment plan+elevation
 15-19 apartment elevation+3D+parapet design-(discussion with ar.ghassan)
 29-Sep-02 retail shop compound design (traditional emirate wall)-(discuss)

SEPTEMBER

SEP 5-9 aj business centre building concept and spatial arrangements
 SEP12-16 typical floor plan and ground floor, upper floor zoning -(discuss)
 19-23 working with ground floor services and ramp area of the building
 26-30 completion of the typical floor plans and upper floor , ground floor -(discuss)

OCTOBER

oct 3-7 working with parking lot in the podium with ramp for the car to access
 oct 10-14 working with exterior ,3d and section of the building-(discussion)

CERTIFICATE OF COMPLETION

This is to certify that

MS. RAVINA ARUNAGIRI

of Sathyabama Institute of Science and Technology

Has successfully completed her 90 Days

ARCHITECTURAL INTERNSHIP

From 8th June 2022 to 14th October 2022

Conducted at the Design Department of AJ Design
with the supervision of the undersigned.

Given this 14th day of October 2022.

Approved by:

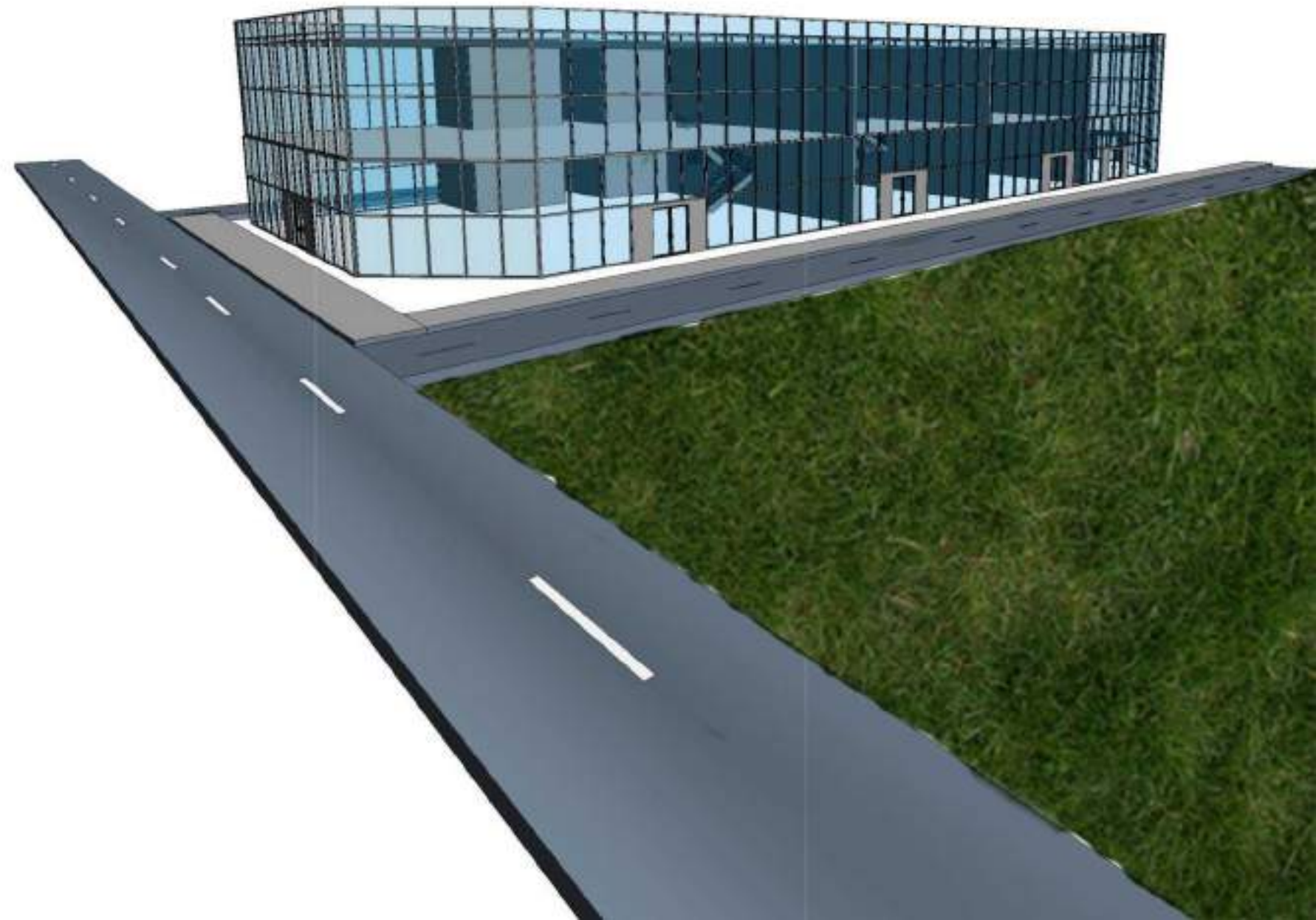


GHASSAN BAZERBASHI, PMP
General Manager



PROJECT-1

COFFEE SHOP -AJMAN,UAE



BRIEF ABOUT THE DESIGN:

UAE HAVE A VIBRANT POPULATION OF DIFFERENT COUNTRY PEOPLE. THE POPULATION OF UAE IS MOSTLY MIGRANT FROM VARIOUS COUNTRIES OVER THE WORLD LIKE INDIA, PAKISTAN, BANGLADESH, PHILIPPINES, IRAN, EGYPT, SRILANKA AND GCC COUNTRIES. THE SUPRISED INFORMATION FROM THE SURVEY IS, INDIA OCCUPIED MOST OF THE POPULATION RATE THAN THE EMIRATI PEOPLE IN UAE.

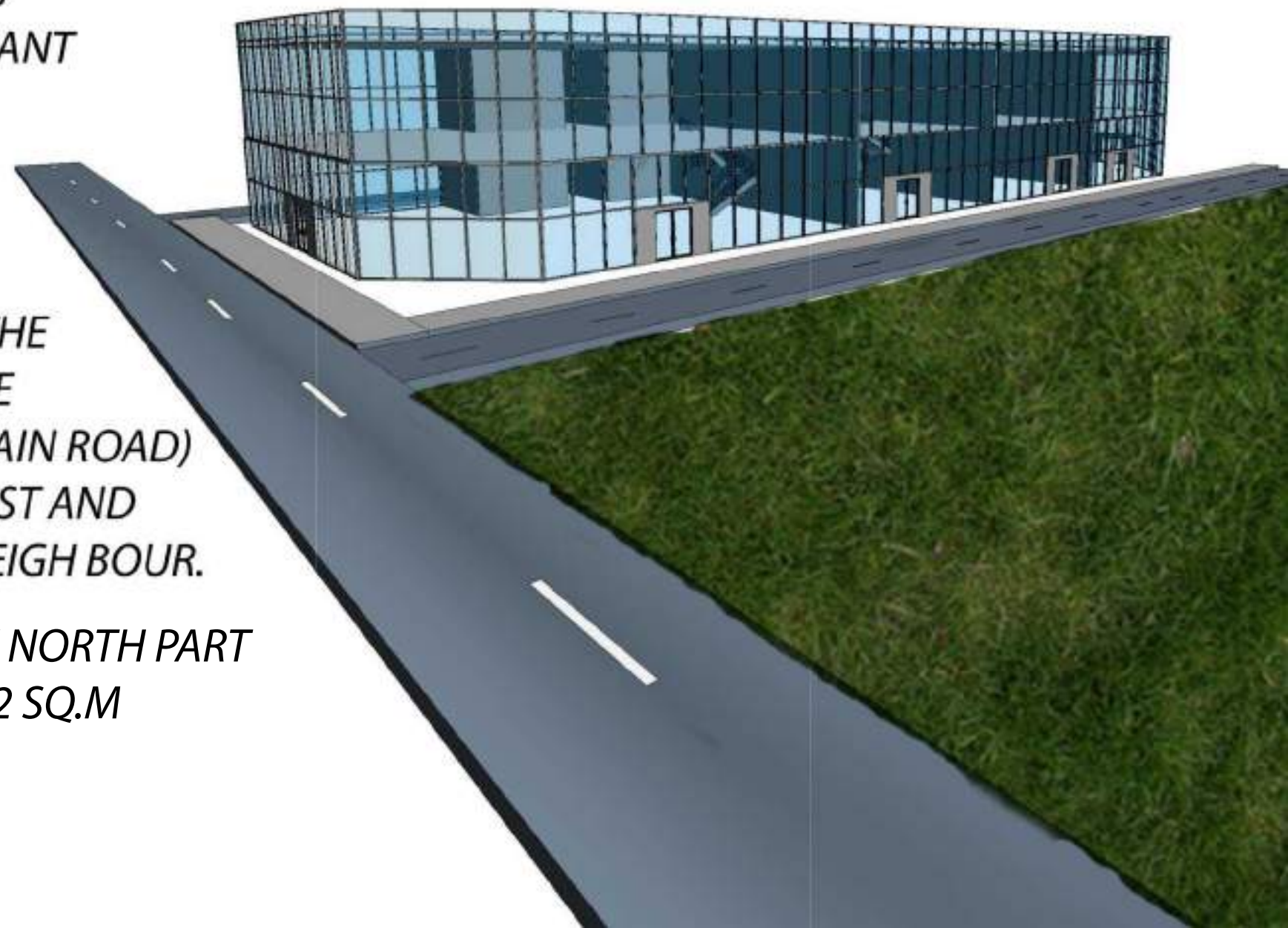
SO, THE COFFEE SHOP WILL BE ACCESSED BY DIFFERENT KIND OF PEOPLE WHO FOLLOWING DIFFERENT CULTURE FROM VARIOUS COUNTRIES.

THE COFFEE SHOP NEEDS TO BE SPACIES AND ITS NEEDS TO BE ATTRACTED BY LOCAL AND MIGFRANT PEOPLE TOO.

DETAILS ABOUT THE SITE:

THE SITE IS LOCATED IN THE CENTER OF THE THE CITY. THE SITE IS SURROUNDED BY HIGH RISE BUILDINGS. SITE AREA HAVE I PRIMARY ROAD(MAIN ROAD) IN THE NORTH, 2 SECONDARY ROADS IN THE WEST AND SOUTH SIDE. AND IN THE EAST SIDE, WE HAVE NEIGH BOUR.

AJMAN CORRNICHE IS LOCATED IN THE NORTH PART OF THE SITE. TOTAL SITE AREA IS 1855.42 SQ.M





CLIENT REQUIREMENTS:

CLIENT WANTS TO CONSTRUCT THE TWO STOREY BUILDING ONLY FOR THE COFFEE SHOP. THEY WANT FOUR COFFEE SHOPS IN SAME BUILDING AND IT NEEDS TO HAVE ITS OWN FIRST FLOOR FOR THE INDIVIDUAL COFFEE SHOPS. FIRST FLOOR NEEDS TO BE VERY SPACIOUS, ONLY FOR THE DINNING.



COMPARING WITH ALL COFFEE SHOPS, FIRST COFFEE SHOP IN THE FRONT, NEEDS TO BE BIGGER THAN THE REMAINING COFFEE SHOPS. THEY WANT TO PROVIDE KITCHEN AND TOILET SPACE FOR THE INDIVIDUAL COFFEE SHOP. MUST TO PROVIDE TWO EMERGENCY EXIT.

PROS AND CONS OF THE SITE:

PROS:

BETTER VIEW, AND BIGGEST LANDMARK OF AJMAN IS LOCATED NEAR TO THE SITE. IT HELPS TO INCREASE THE FOOTFALL.

CONS:

AJMAN FISH MARKET IS LOCATED WITHIN 50M RADIUS OF THE SITE. SO, ITS HARD TO GIVE THE OUTDOOR SEATING.

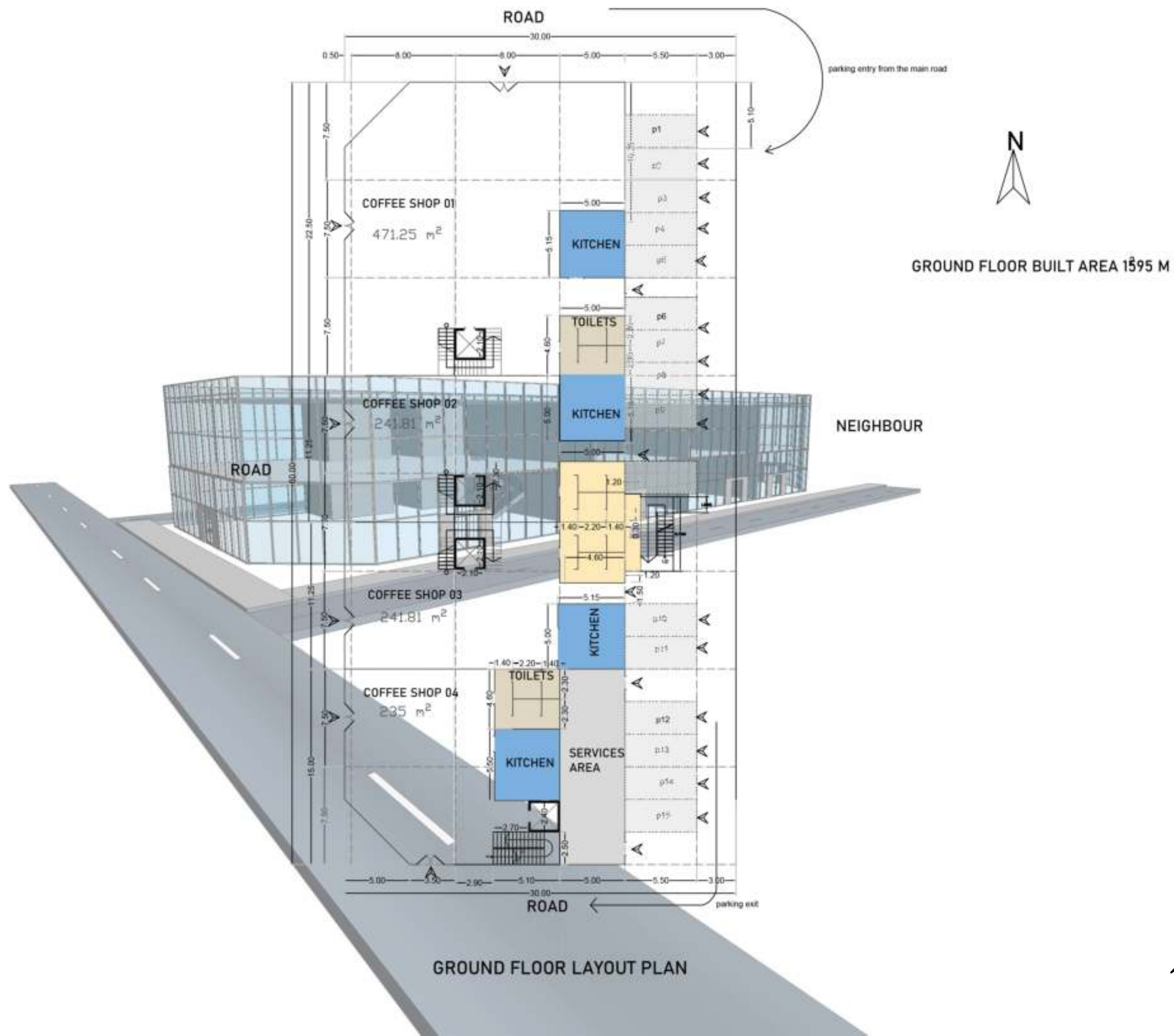
MY CONTRIBUTION TOWARD THE DESIGN:

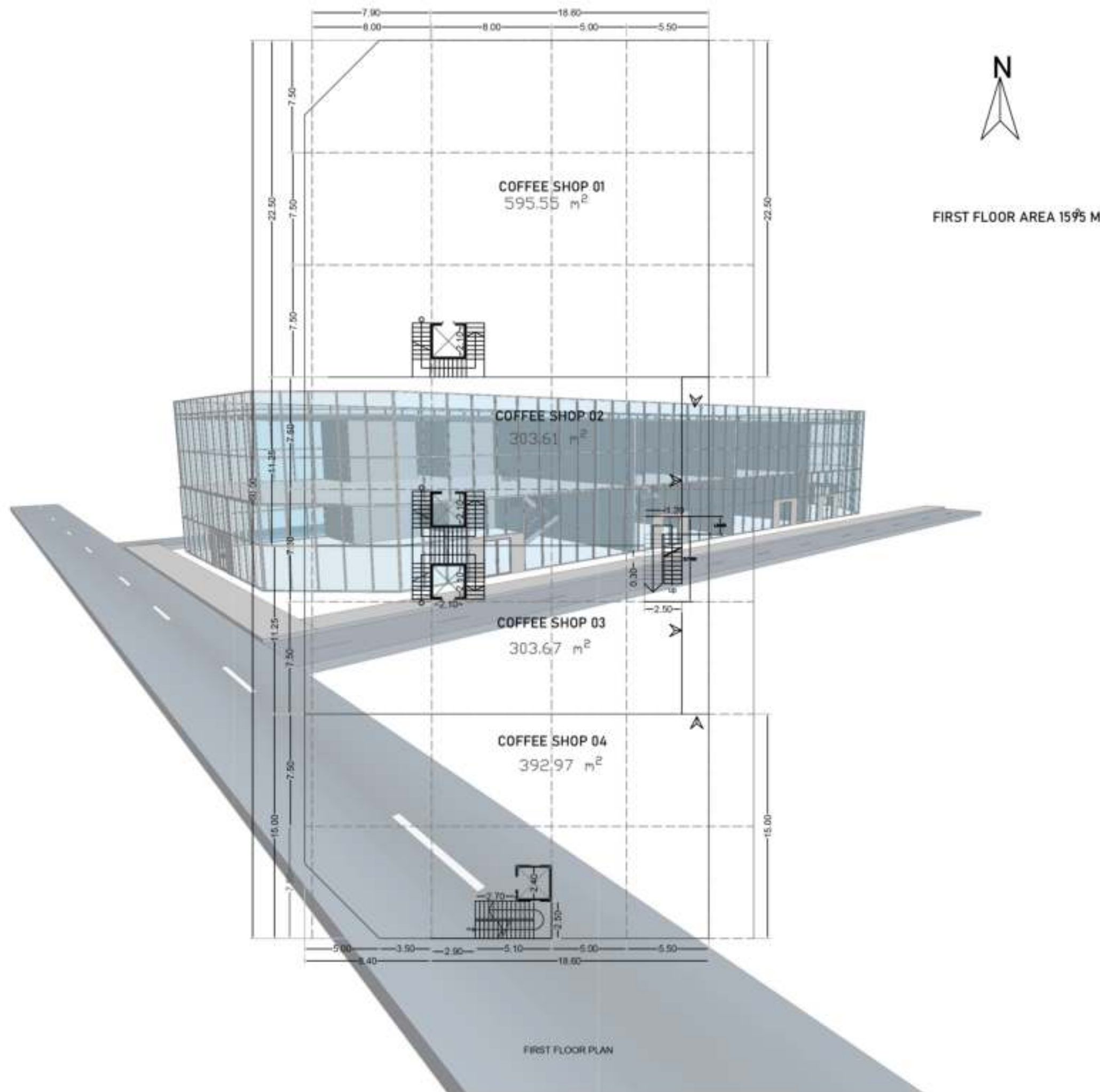
I HAVE DONE THE FLOOR PLANS LIKE GROUND FLOOR, FIRST FLOOR & ROOF PLAN AND SECTIONS.

I HAVE DESIGNED AND ALLOTTED THE SPACE FOR THE EMERGENCY EXIT.

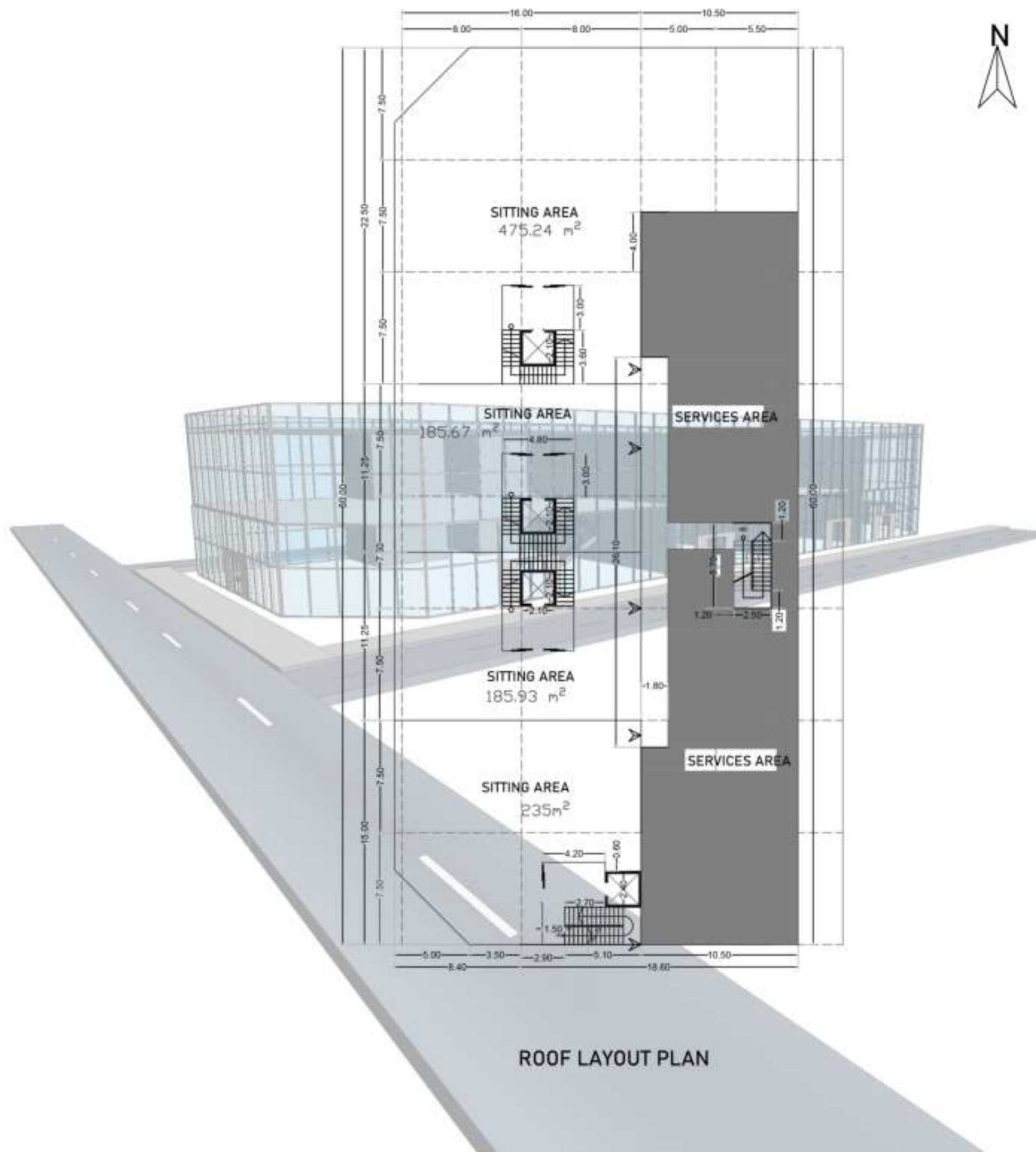
ELEVATION OF THE BUILDING.



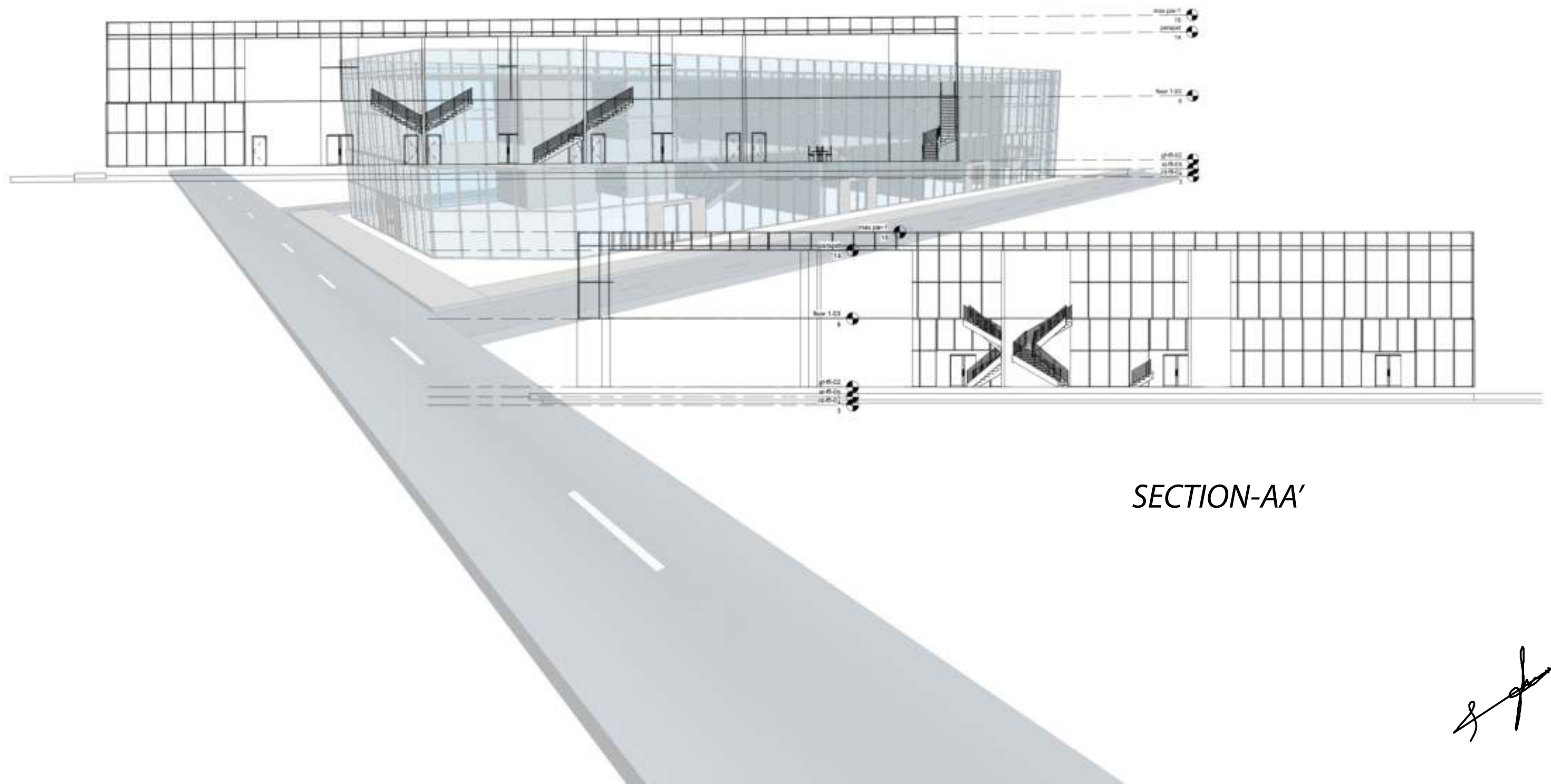




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SECTION-AA



SECTION-AA'

EAST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION



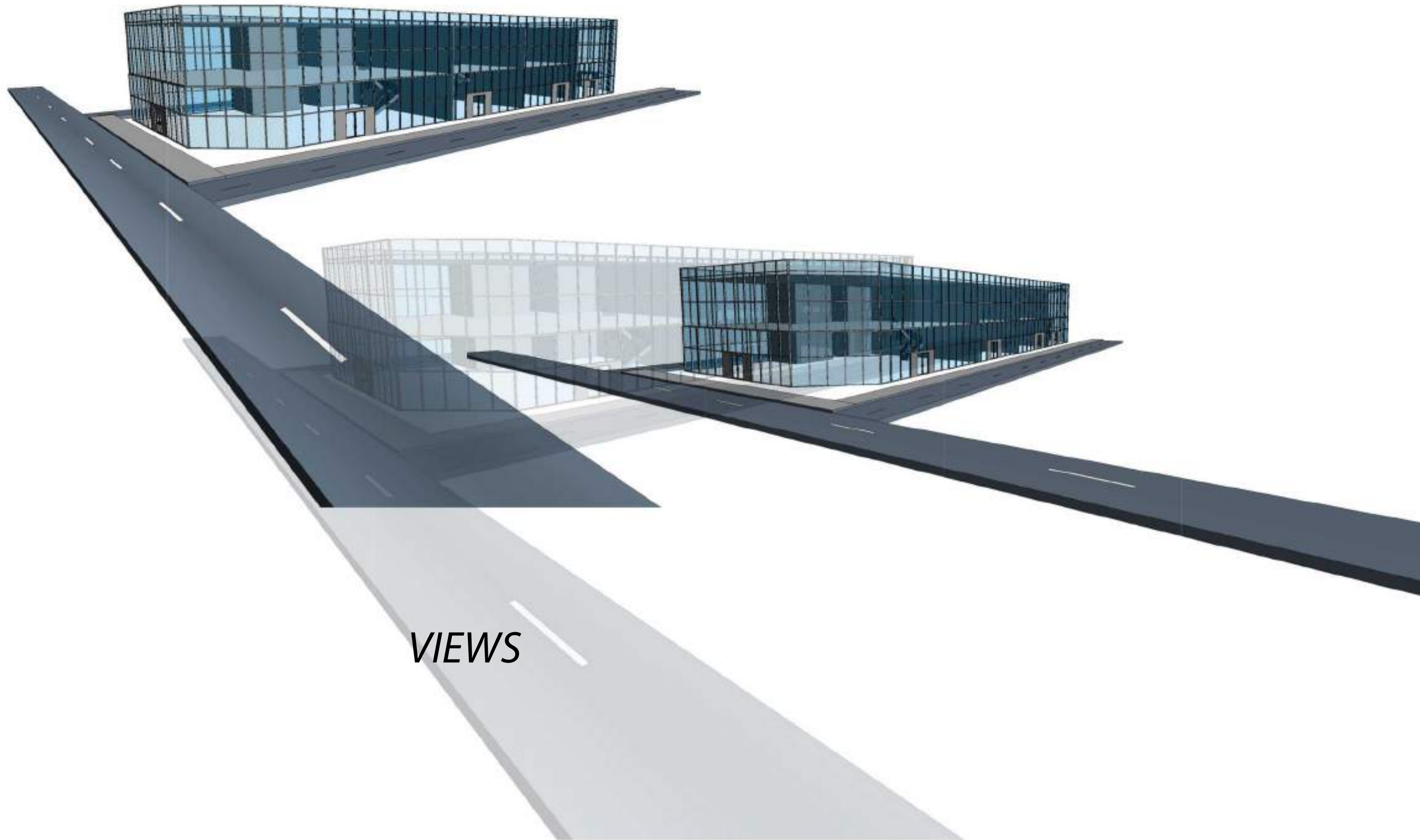
main part 1
15
part 2
16

floor 1-02
3

gl-02
gl-03
gl-04
3

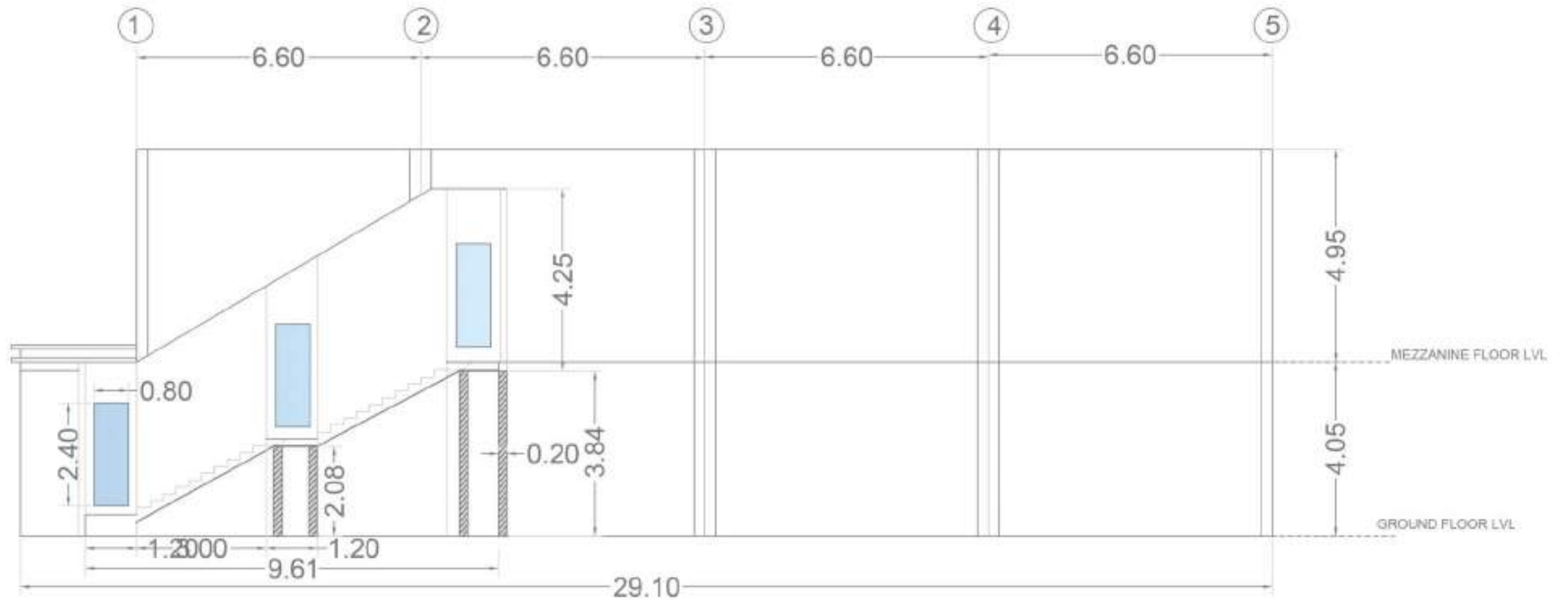


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PROJECT-2

CAR TAXI METER CHECKING BUILDING



BRIEF ABOUT THE DESIGN:

IN UAE, MOST OF THE MUNICIPALITY OR GOVERNMENT RELATED BUILDINGS ARE LOCATED IN THE SAME COMPOUND FOR THE SINGLE COMMUNITY.

THE MAIN PURPOSE OF THE BUILDING IS TO CHECK THE METER OF THE TAXI. IN UAE, 90% OF THE TAXI OWNED BY THE GOVERNMENT OR MUNICIPALITY. SO, THERE IS NO PRIVATE OR SEPERATE SEVICE AREA FOR THE TAXI. EACH AND EVERYTHING ABOUT THE TAXI MUST BE TAKE CARED BY THE GOVERNMENT. SO, THE DESIGN IS ALL ABOUT THE SEVICE BUILDING FOR GOVERNMENT TAXI.



THE SITE IS SURROUNDED BY MORE THAN 15 SCHOOLS AND UNIVERSITIES.

OWNER OF THE BUILDING :

AJMAN PUBLIC TRANSPORT CORPORATION.

PROJRCT:

AJMAN TAXI METER TESTING CENTRE

DISTRICT:

AL JURF

PLOT NO:

173.10

BUILDING TYPE:

INDUSTRIAL BUILDING

TOTAL HEIGHT:

9.15M

TOTAL AREA:

5487.23 SQ.FT

DETAILS ABOUT THE SITE:

THE SITE IS LOCATED IN THE CORE AREA OF AJMAN. THE SITE IS FULLY SURROUNDED BY SCHOOLS AND UNIVERSITIES. COMMONLY, THIS AREA IS CALLED AS EDUCATION STREET. AJMAN GOVERNMENT WANTS TO CONSTRUCT A BUILDING FOR TAXI CAR'S SERVICES. THE CONCEPT OF THE BUILDING IS SERVICE FOR THE TAXI'S CAR METER. AND, THE GOVERNMENT WANTS TO CONSTRUCT THE BUILDING INSIDE THE FREEZONE.

CLIENT'S REQUIREMENTS:

CLIENT'S WANTS THE SPACE FOR THE SERVICE AREA WHICH IS NEEDS TO BE ATTACHECHED WITH THE OFFICE AREA.

THEY WANTS EXTERIOR STAIRCASE FOR TO ACCESS THE MEZZANINE FLOOR.

MEZZANINE FLOOR NEEDS TO BE OPEN AREA FOR MULTIPLE PURPOSE AND SEPERATE RESTROOMS FOR BOTH THE GENDERS.

VOID AREA MUST BE IN THE SAME SIZE OF THE OFFICE AREA.

MY CONTRIBUTION TOWARDS THE DESIGN:

I HAVE DESIGNED THE EXTERIOR STAIRCASE FOR TO ACCESS THE OFFICE SPACE.

I HAVE DESIGNED THE MEZZANINE FLOOR WITH RETSTROOM AREA.

AND I HAVE DONE THE SECTION, ELEVATION AND CONSTRUCTION DETAILS.

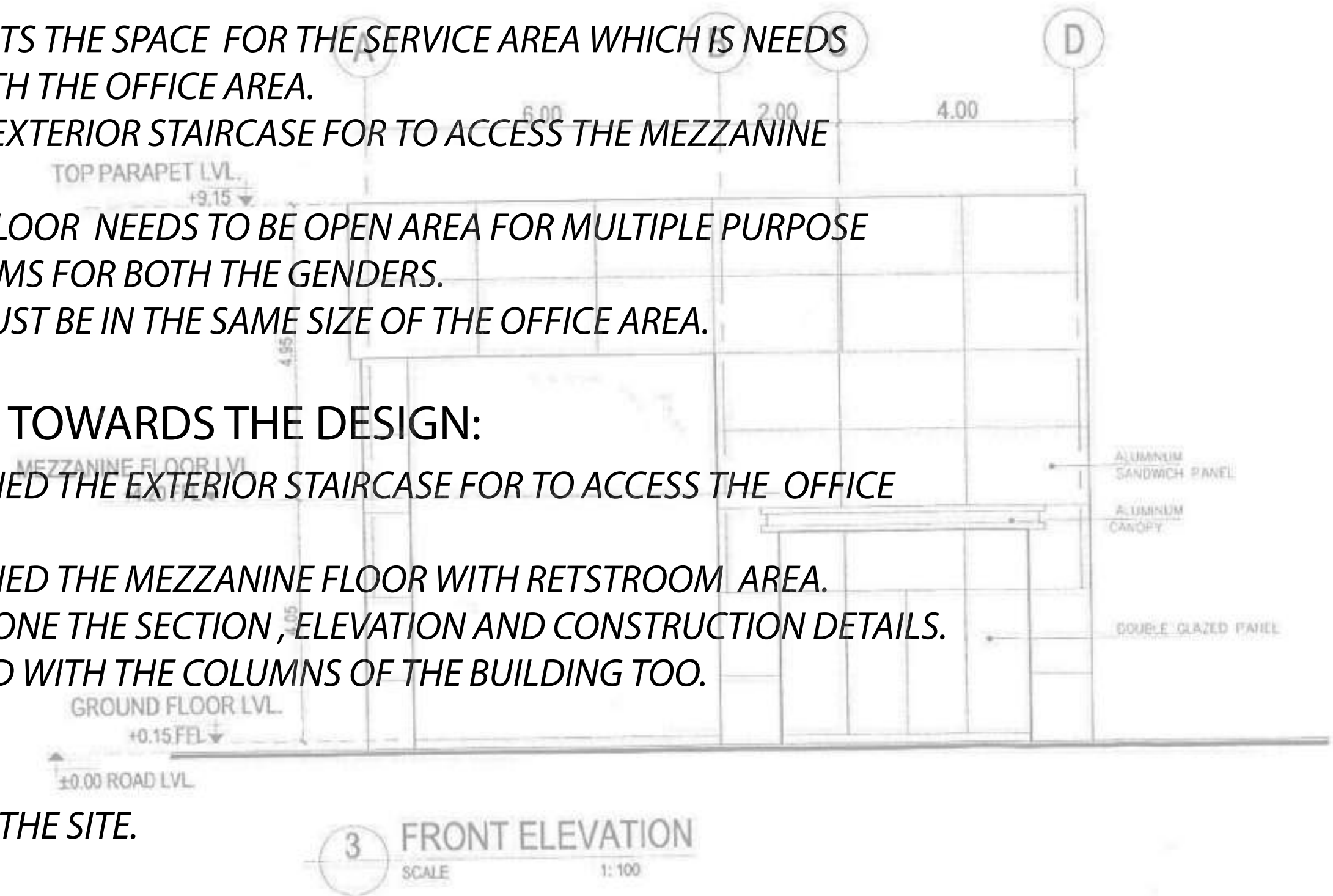
I WAS WORKED WITH THE COLUMNS OF THE BUILDING TOO.

PROS:

LOCATION OF THE SITE.

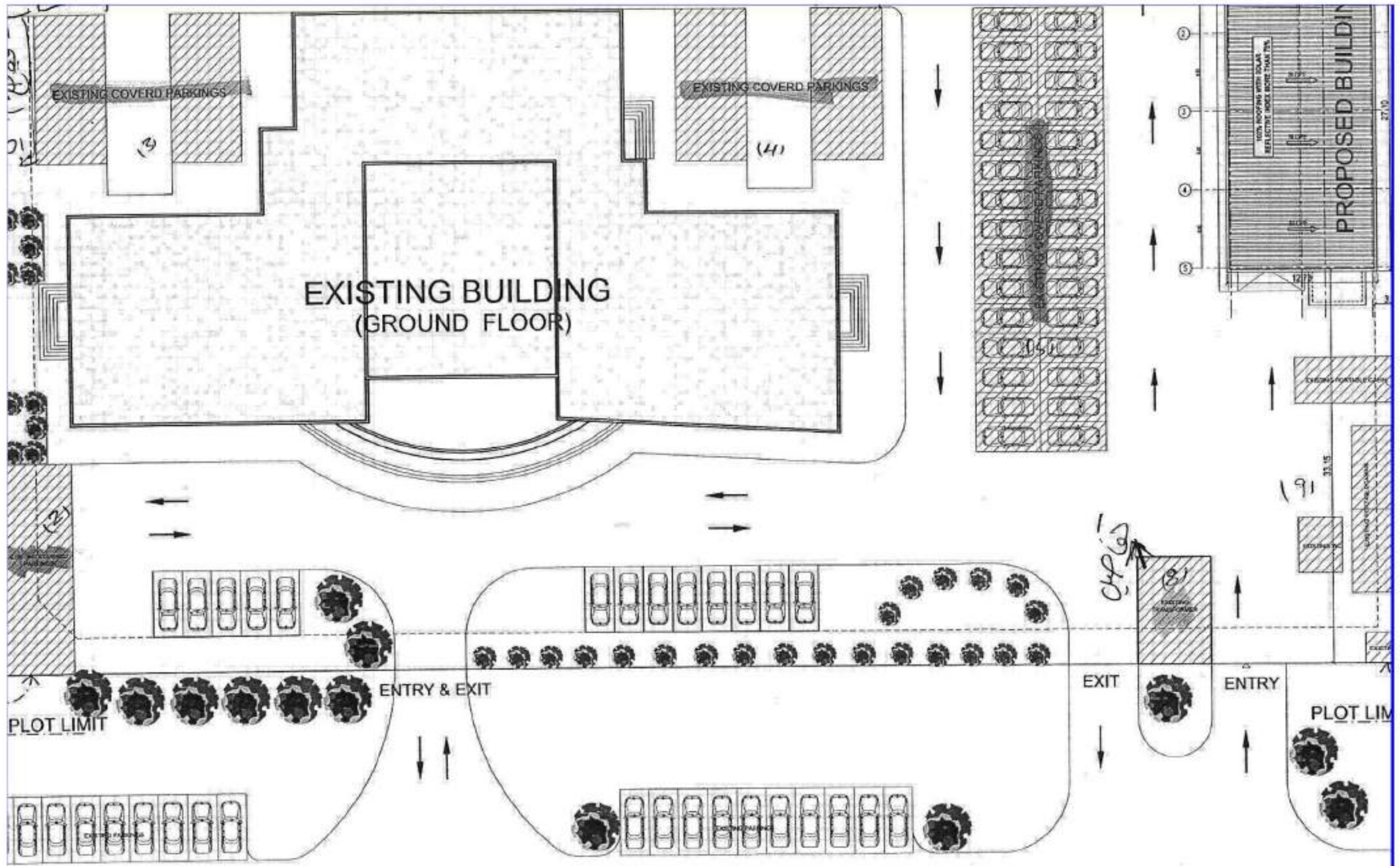
CONS:

SITE IS SURROUNDED BY THE SCHOOLS . THE BUILDING WILL BE CONSTRUCTED ONLY FOR THE CAR SERVICE. THE SCHOOL ROAD WILL BE OCCUPIED BY CAR TAXI. THE PEOPLE NEEDS TO BE VERY CAREFULL WITH TRAFFIC RULES.



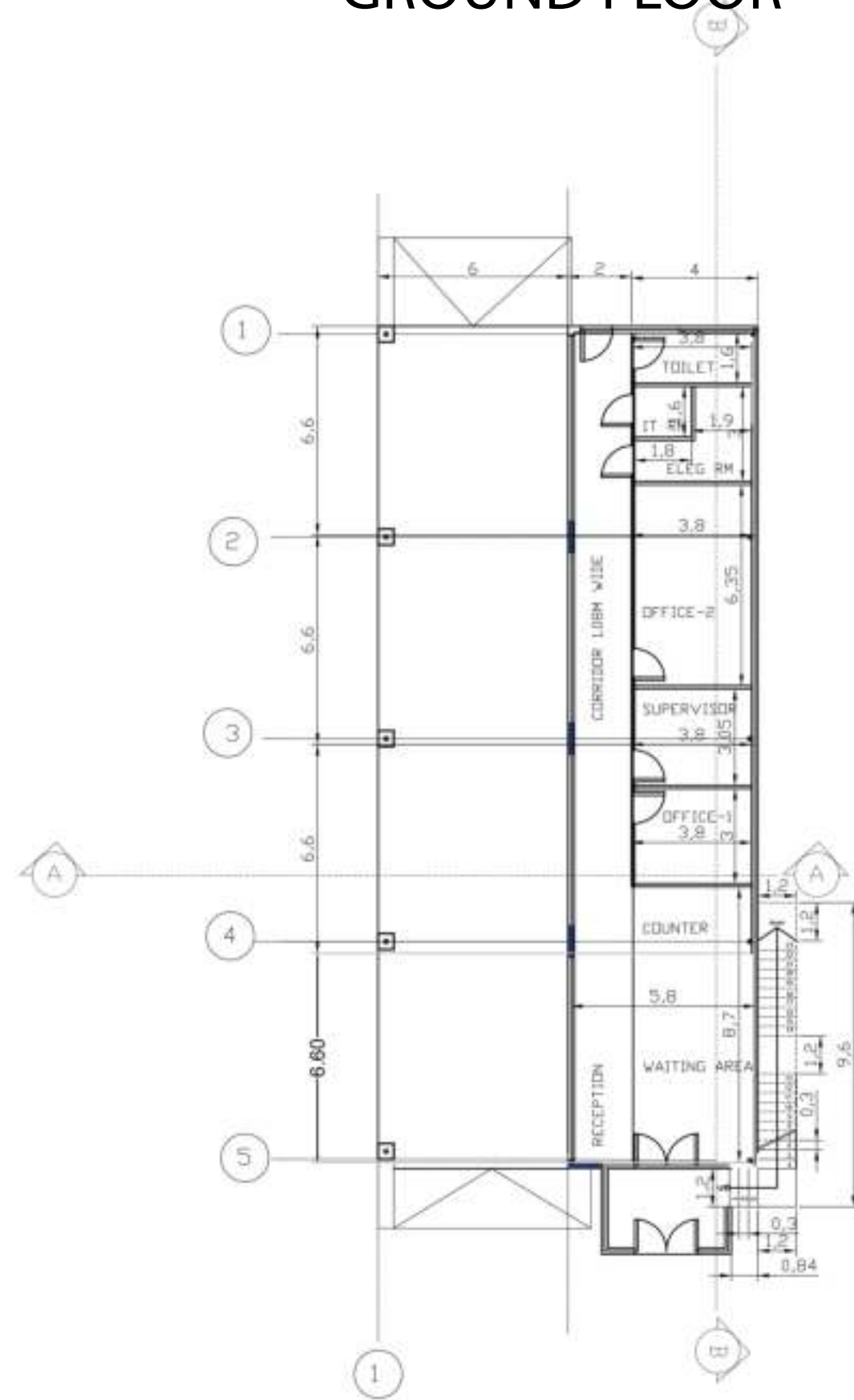
SITE PLAN

13



AJ design
+971 6 742 5555
P.O BOX 17000, Ajman
www.aj-des.com
infor@aj-des.ae

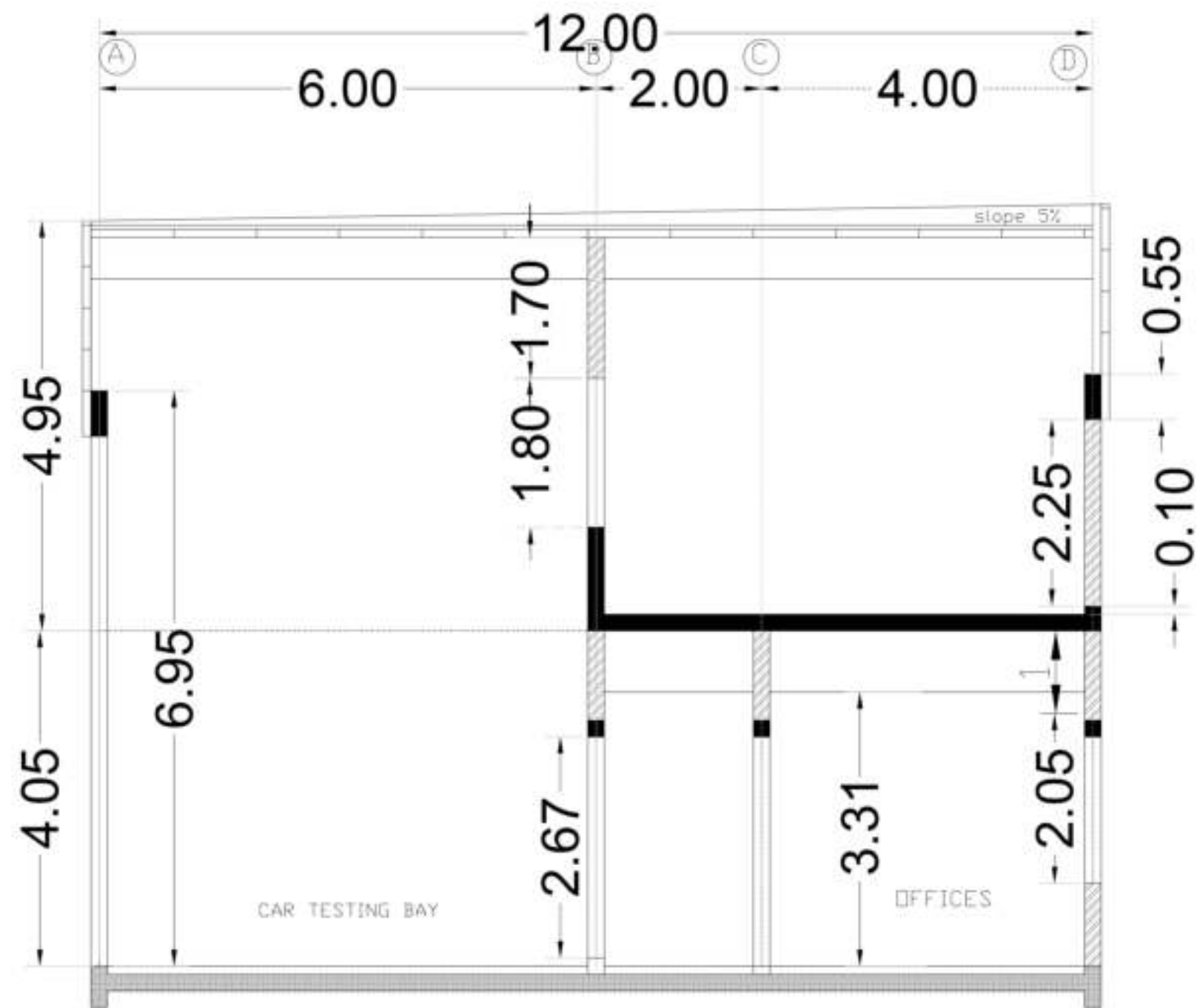
GROUND FLOOR



GROUND FLOOR PLAN
SCALE 1:100

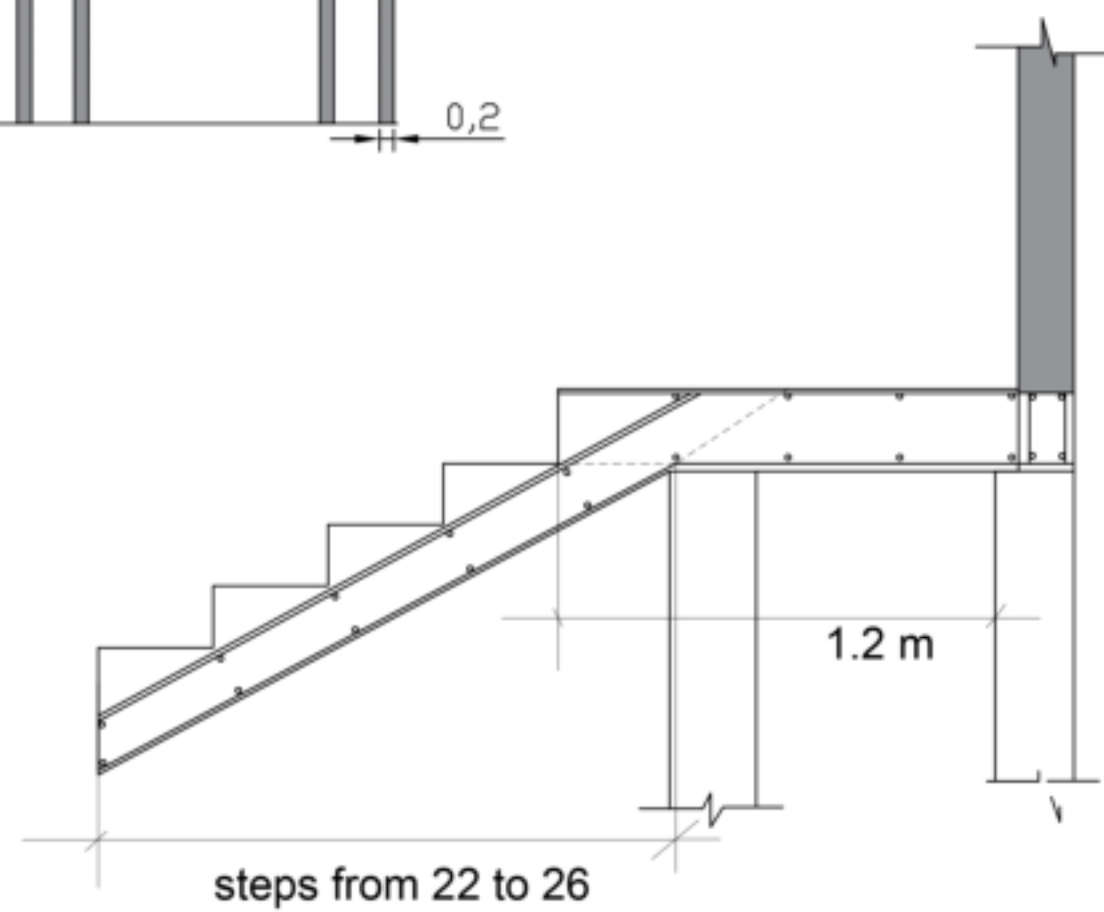
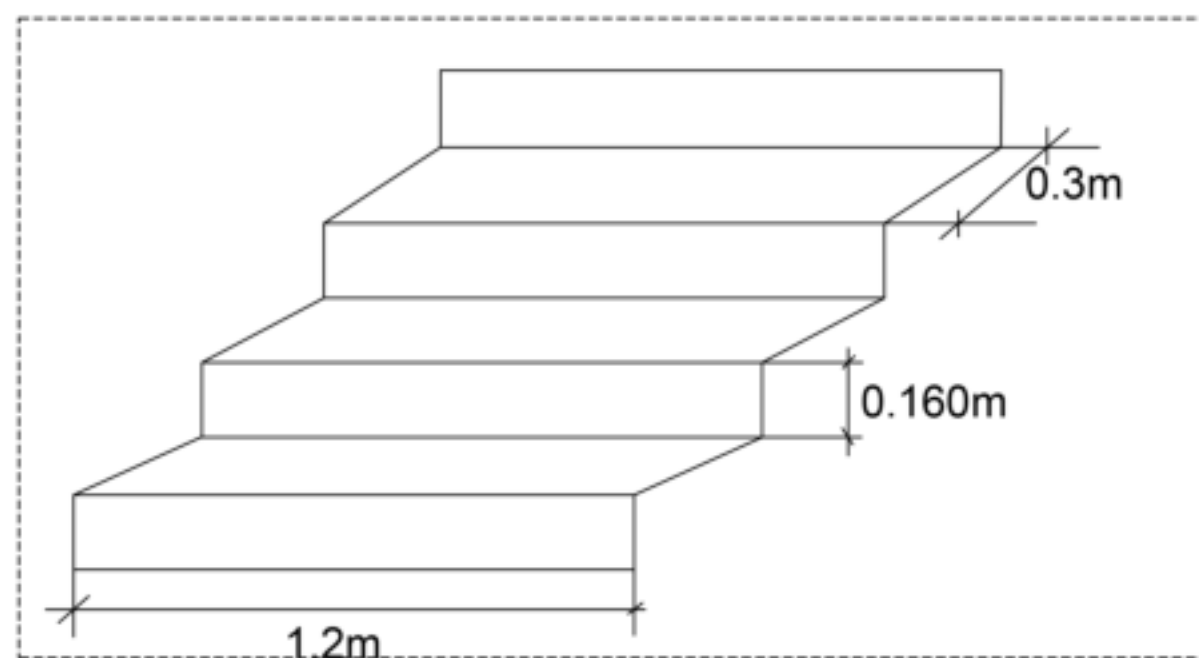
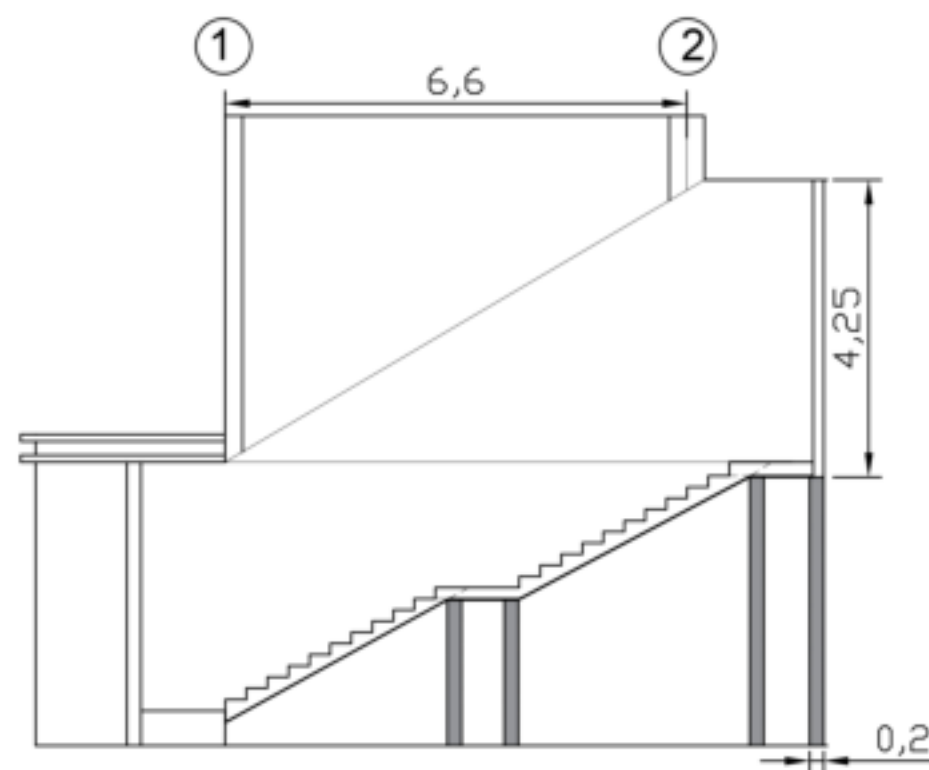
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SECTION

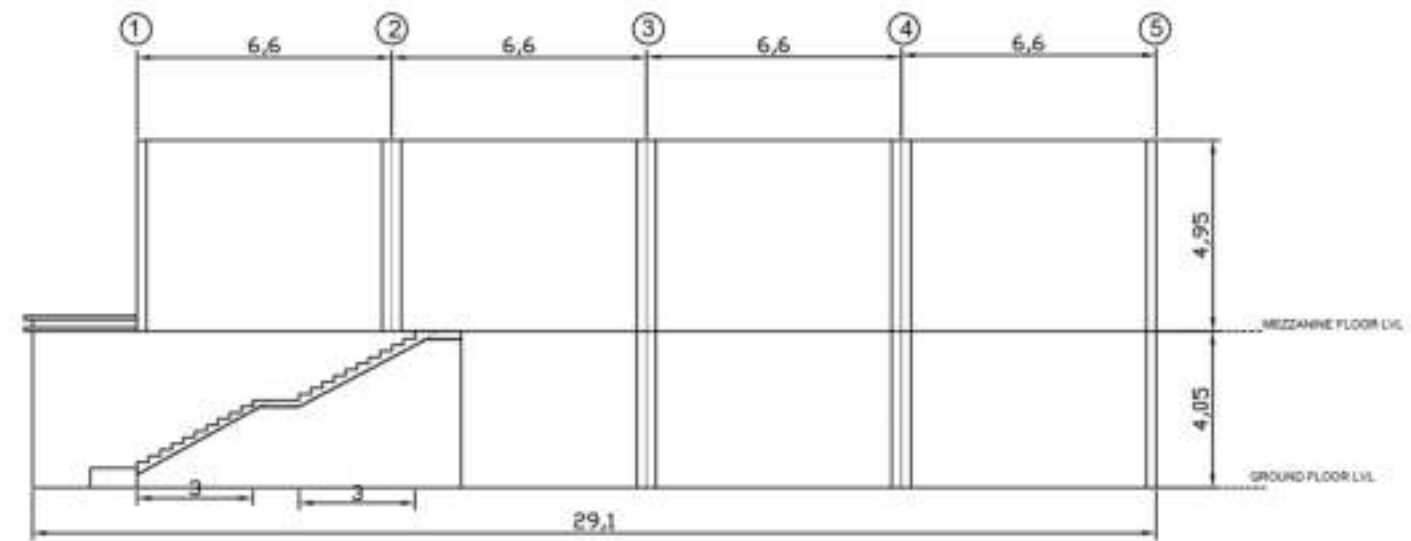
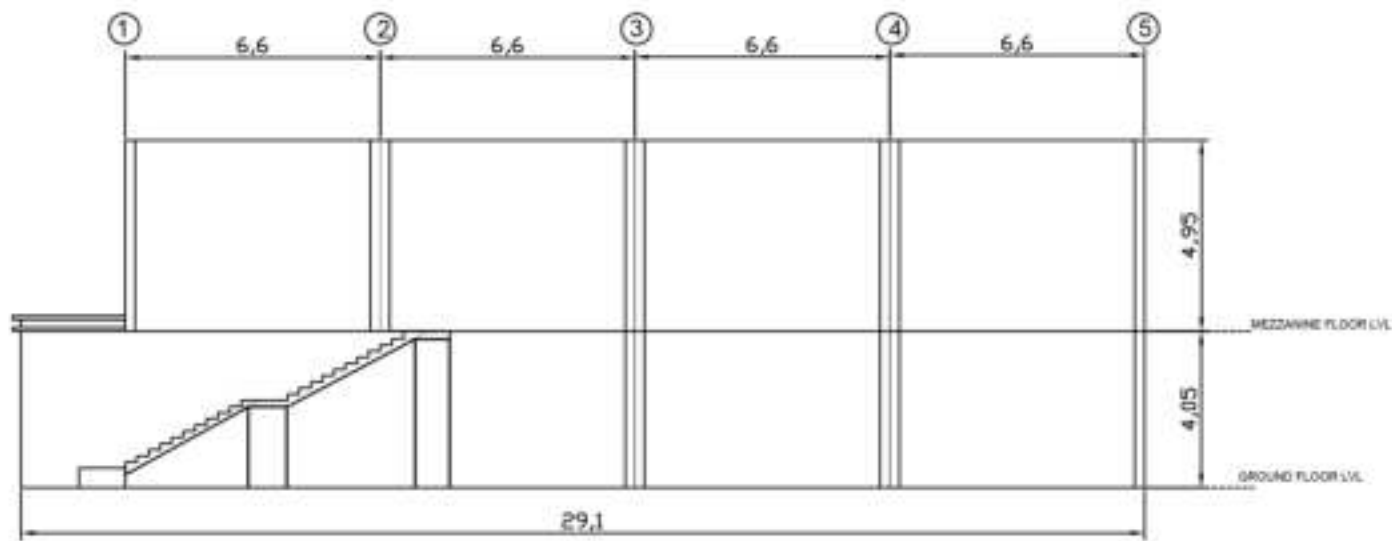


SECTION A-A
SCALE 1:100

CONSTRUCTION DETAILS

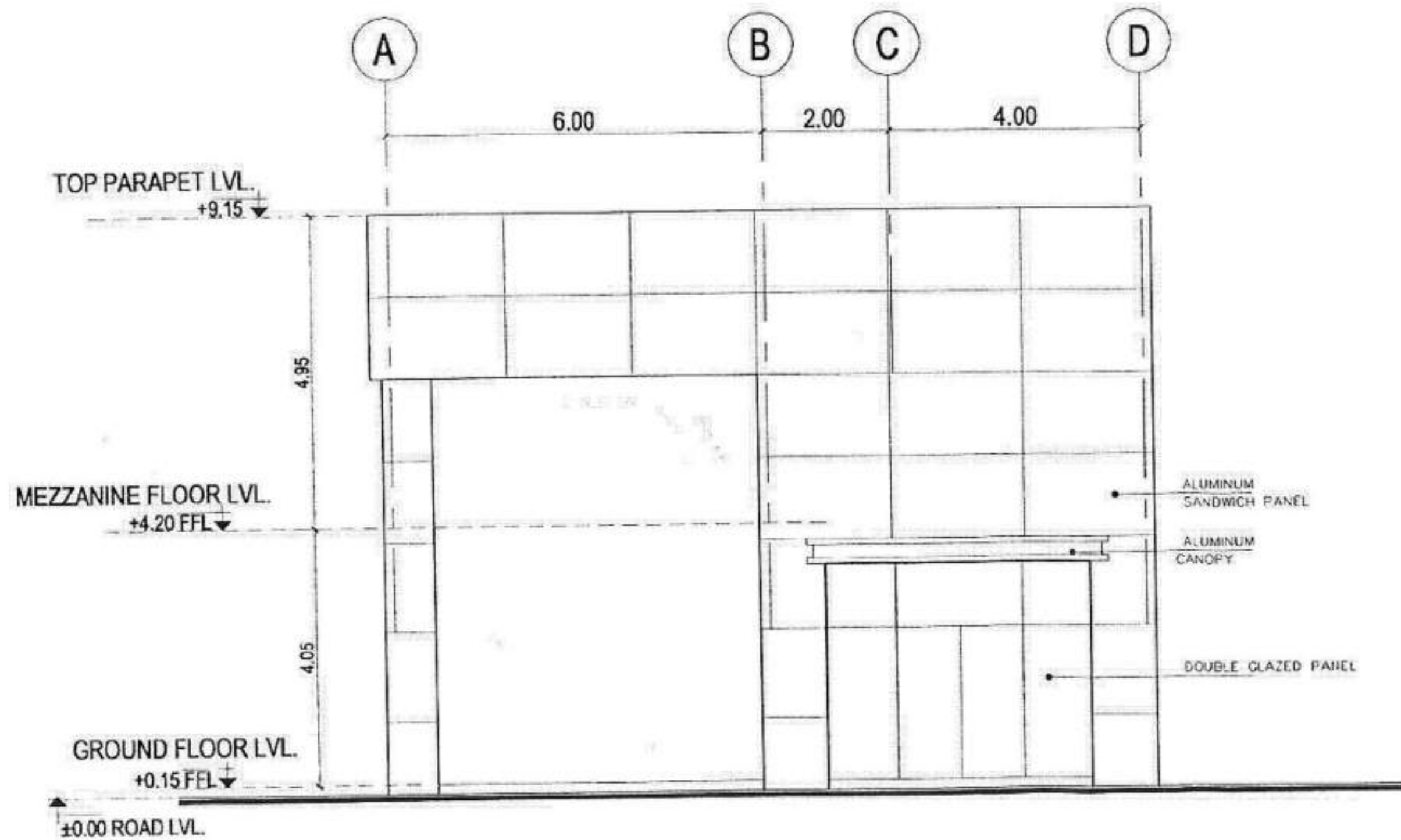


ELEVATION



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FRONT ELEVATION

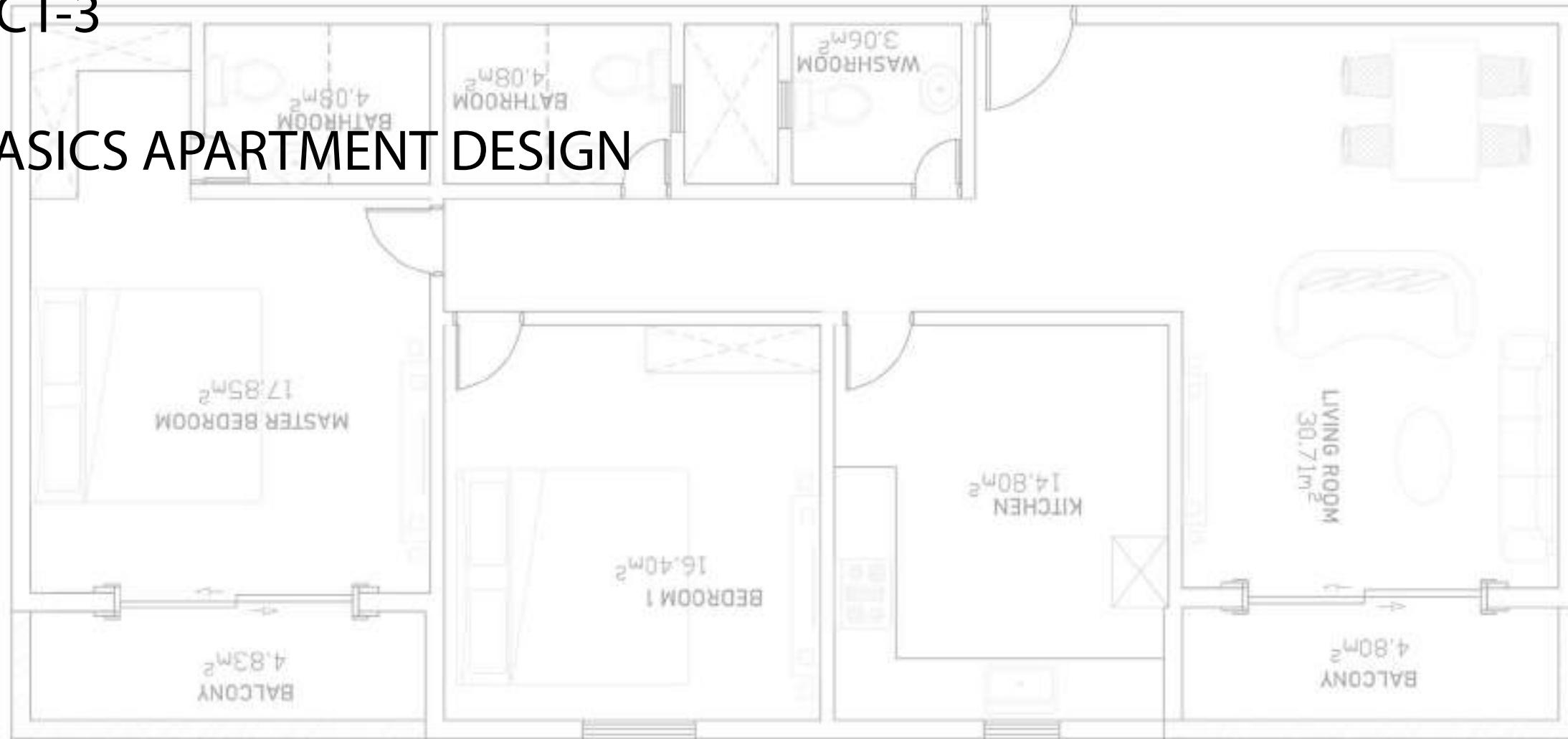
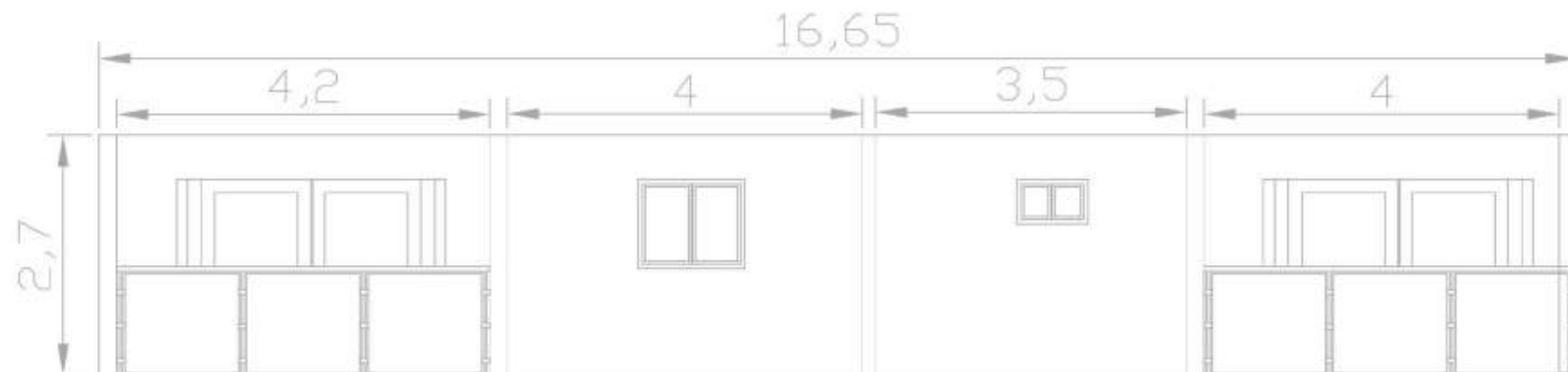


3 FRONT ELEVATION
SCALE 1:100



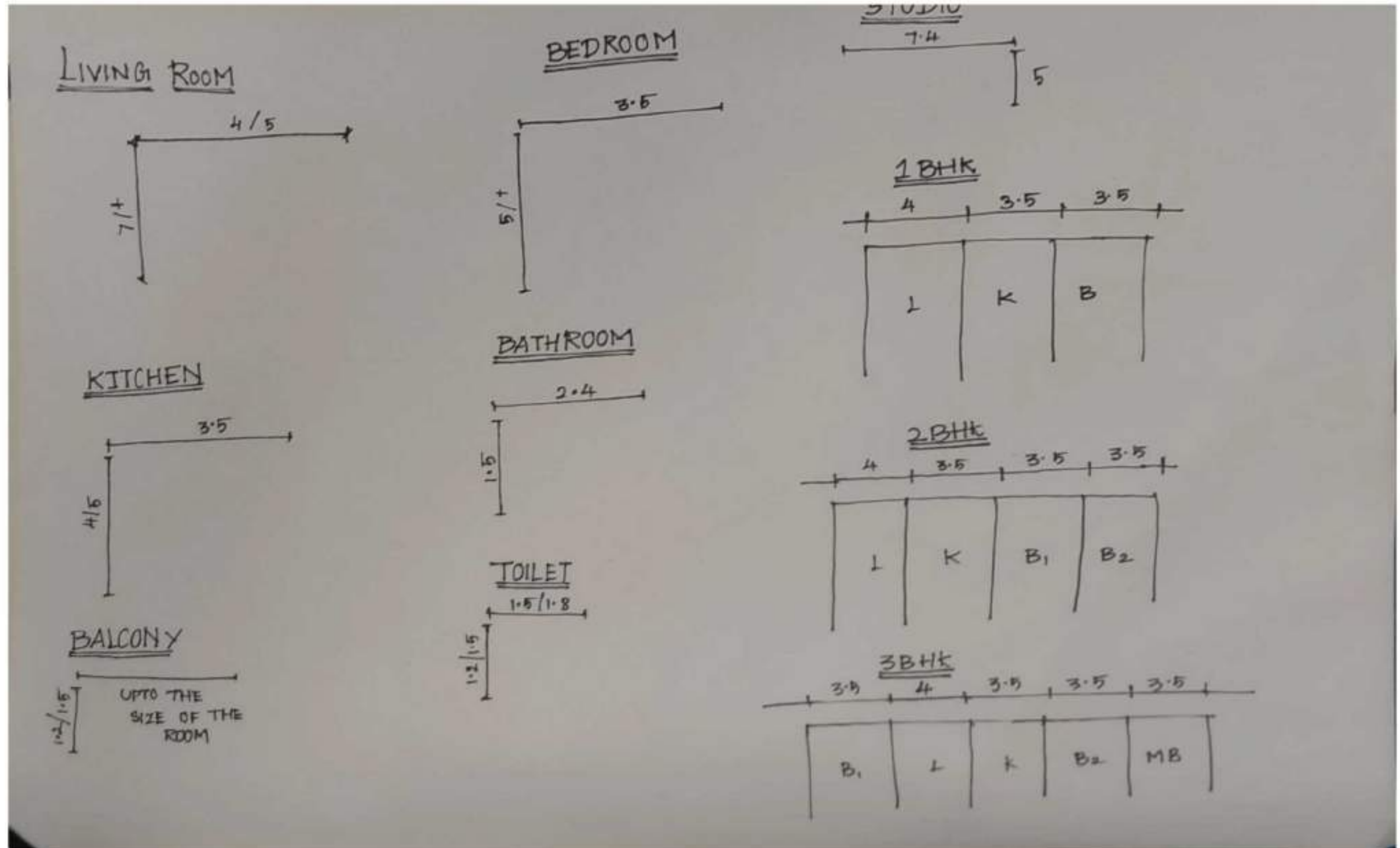
PROJECT-3

BASICS APARTMENT DESIGN

TOTAL AREA=20.25m²

BASIC APARTMENT DESIGN

IDEA OF THIS PROJECT IS TO UNDERSTAND THE STANDARD
AND TO CREATE IDEAS FOR THE APARTMENT LAYOUT.



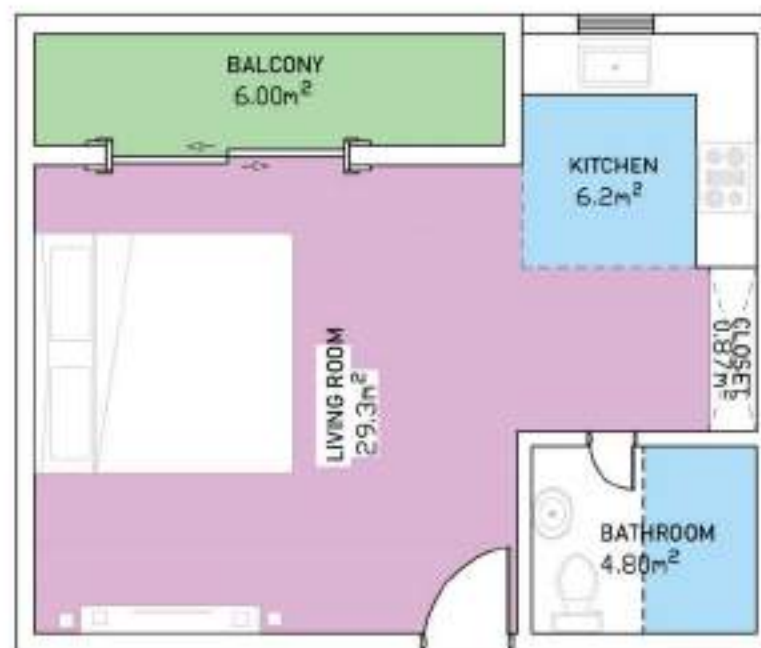
STUDIO PLAN



TOTAL AREA 44.40m²



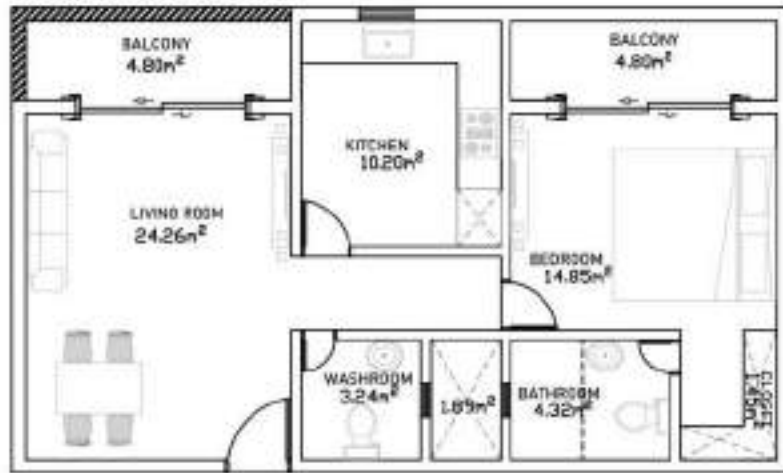
TOTAL AREA 61.04m²



TOTAL AREA 49.28m²

1 BHK PLANS

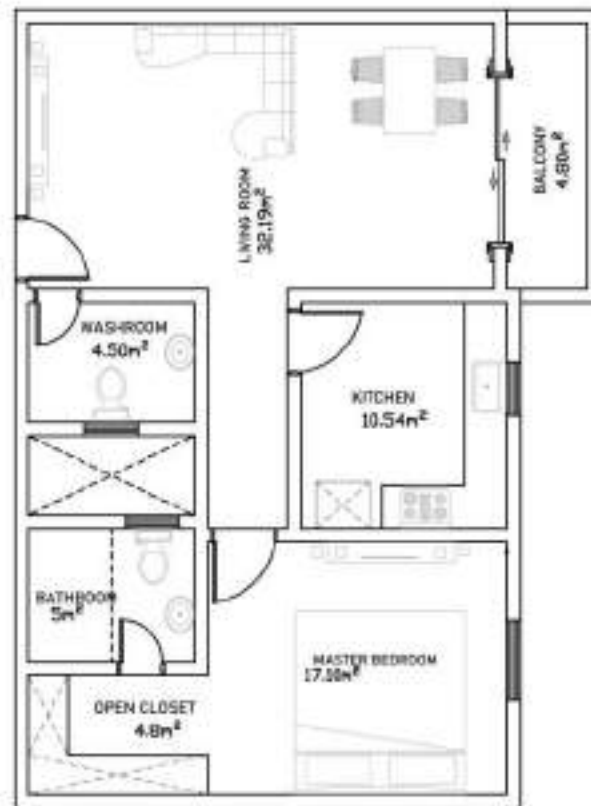
24



TOTAL AREA 74.58m²



TOTAL AREA 45.66m²

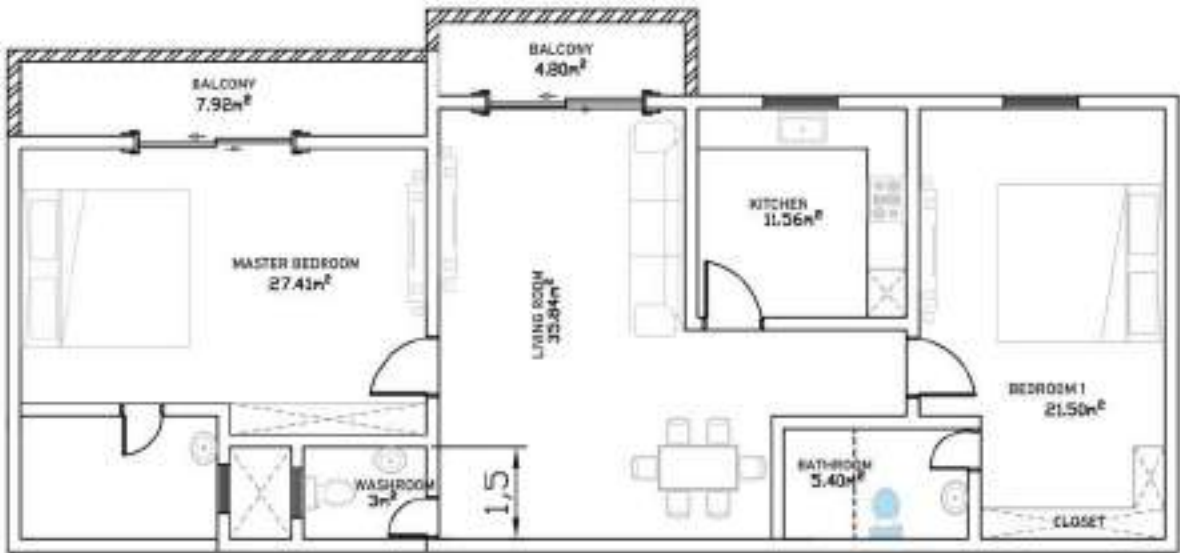


TOTAL AREA 88.32m²



TOTAL AREA 108.23m²

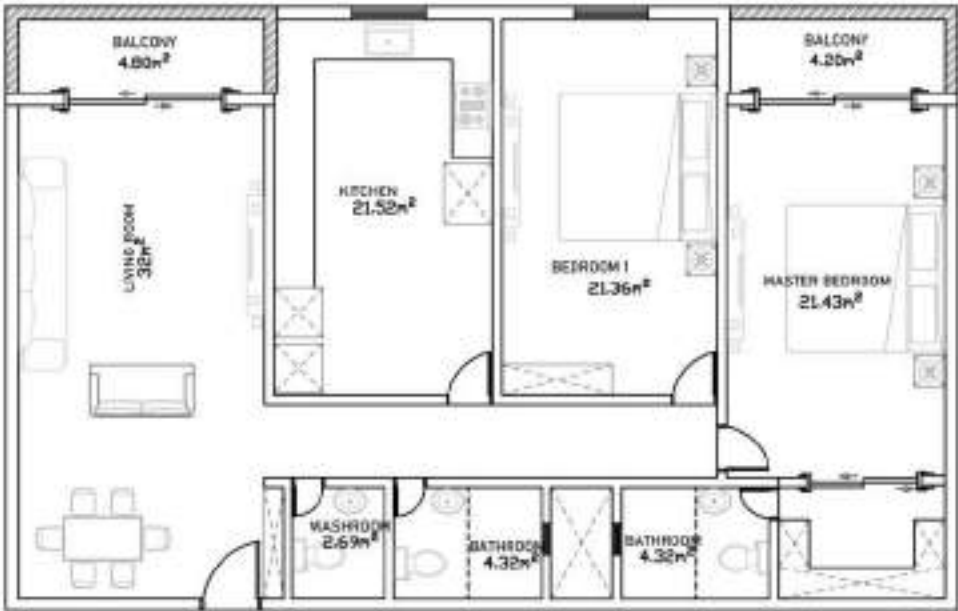
2 BHK PLANS



TOTAL AREA 41.06m²



TOTAL AREA 20.25m²



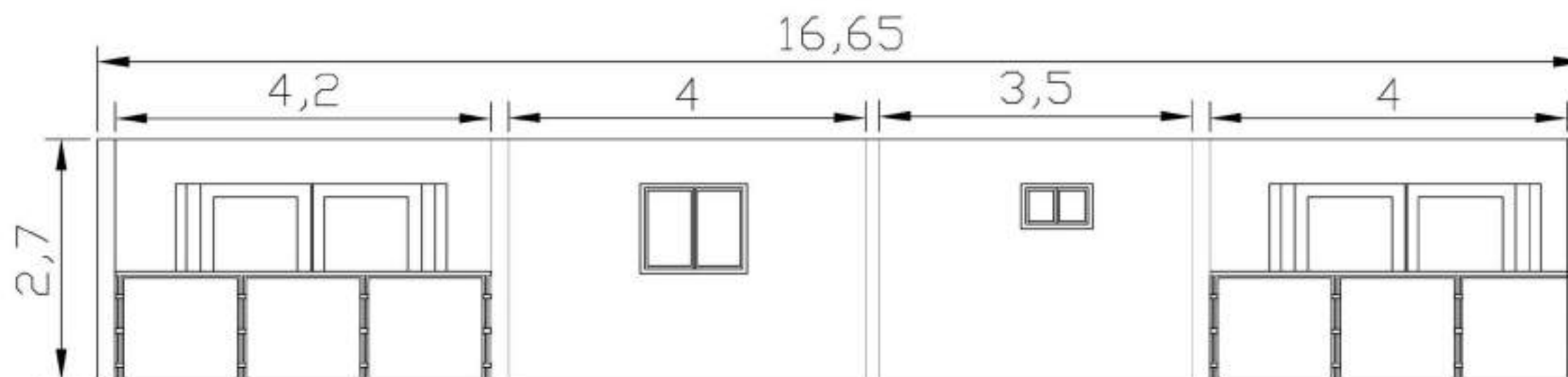
TOTAL AREA 51.44m²



PLAN WITH ELEVATION

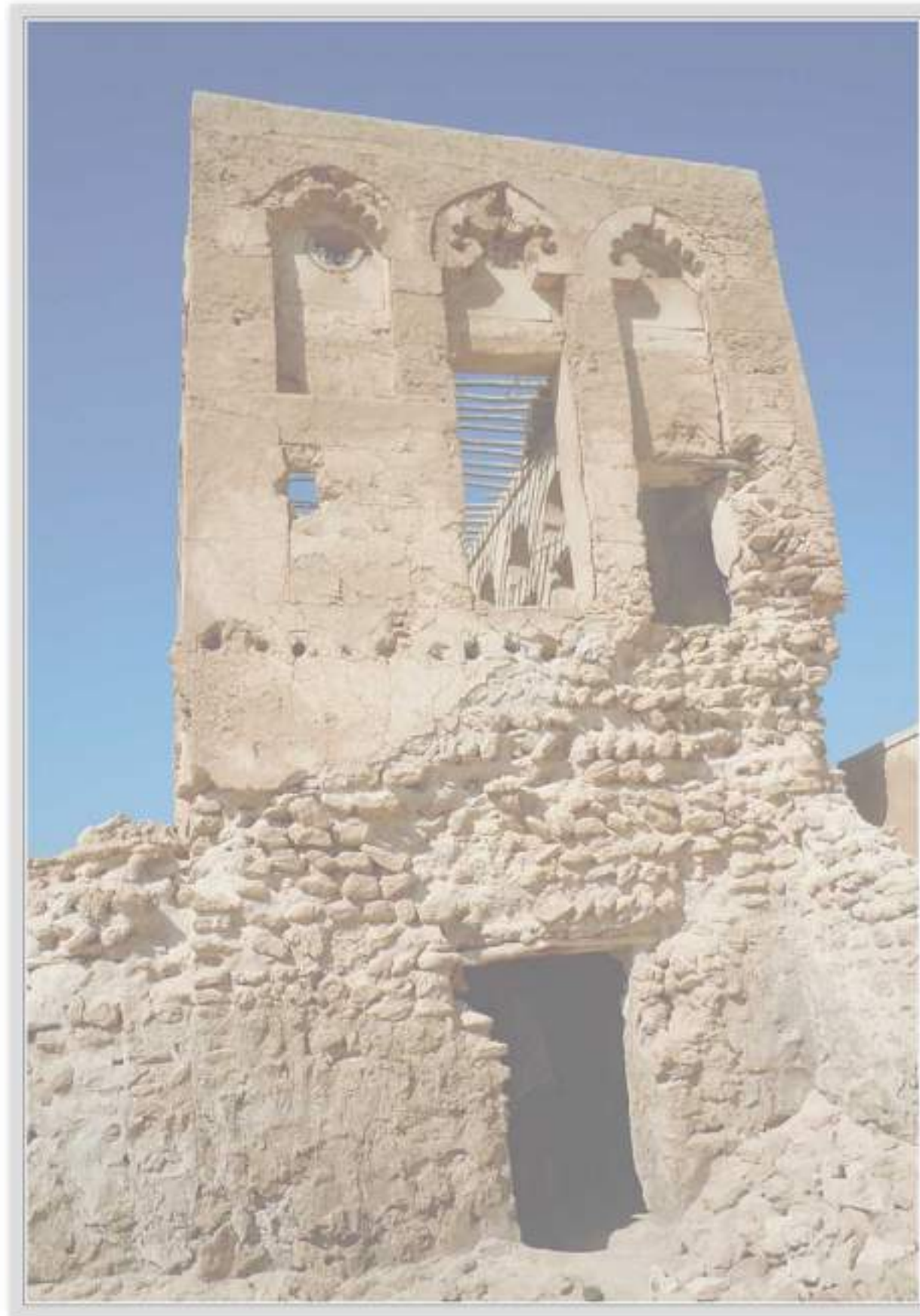


TOTAL AREA = 20.25m²



PROJECT-4

EMIRATI TRADITIONAL BOUNDARY WALL



BOUNDARY WALL:

The boundary wall serves the purpose to surround an immovable property. Boundary walls are completely prefabricated in the concrete plant in a wide range of designs and serve as a boundary wall or fencing of immovable property.

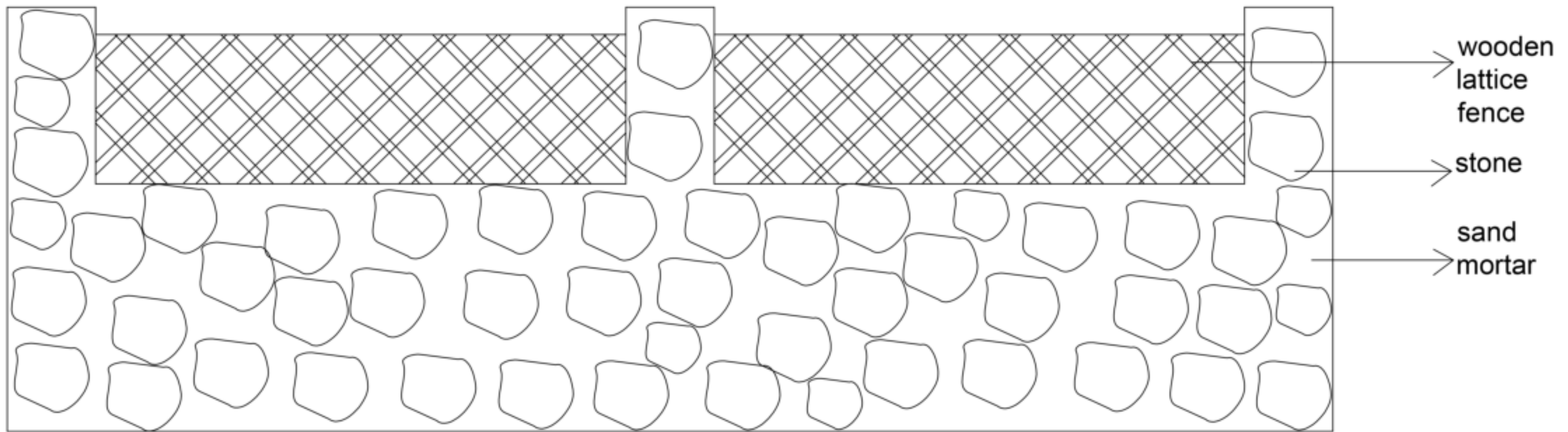
CLIENT'S REQUIREMENT:

The client wants to build the boundary wall for the retail shop in uae. The site of the building is located in the souq area. So, the client wants to build a boundary by traditional emirati method. They want the door in wood/timber and it needs to represent the emirates culture.

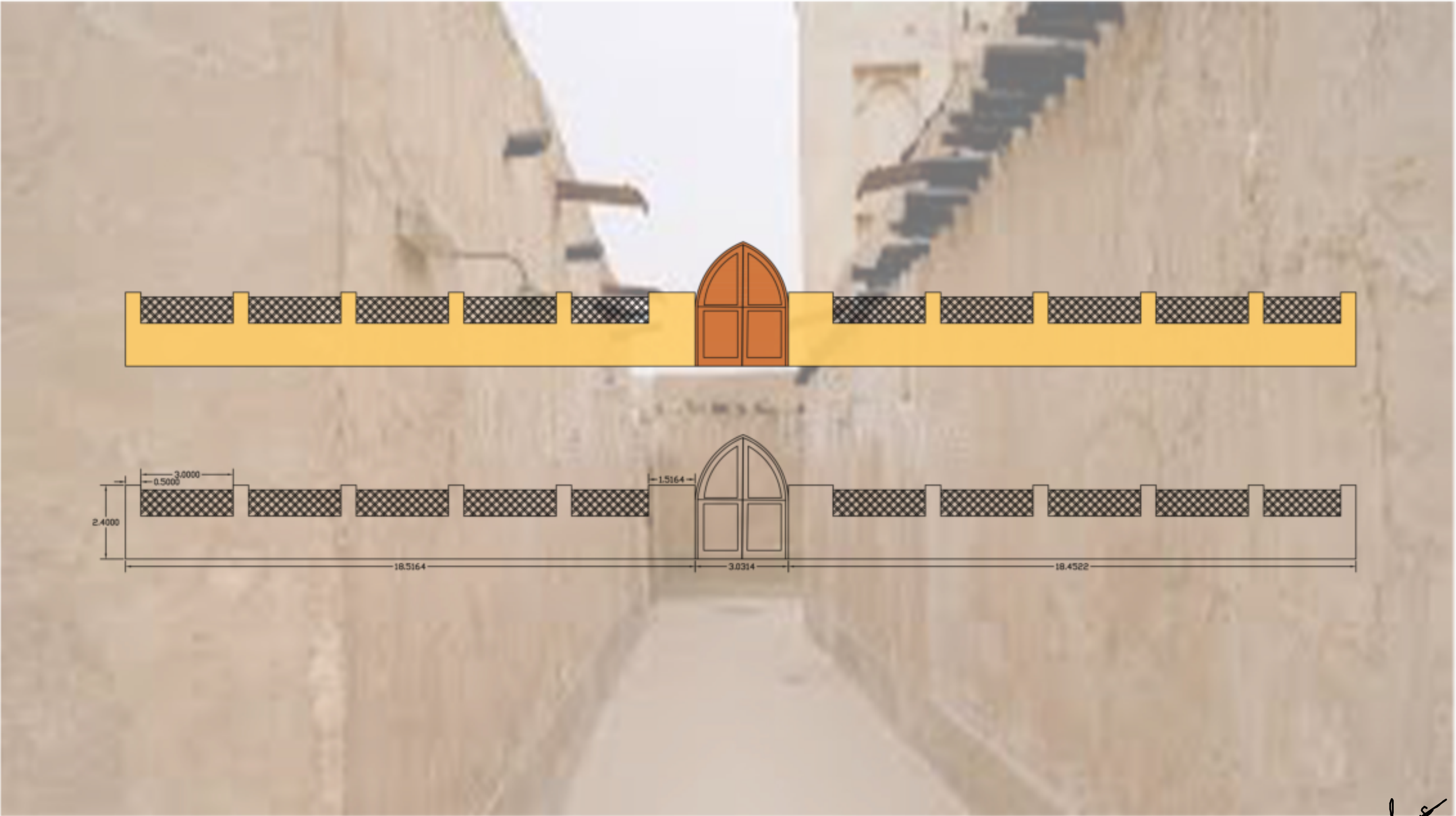
PROCESS FOR THE CONSTRUCTION OF BOUNDARY WALL:

The old building /wall are called BAIT MORJAN in uae. Old walls are made with coral and sea stone. over time, more materials were added to this mix, including limestone, coral , sea stone , mud and mortar derived from sea shells. The wall made up of coral and limestone is called bait morjan.

EMIRATI TRADITIONAL BOUNDARY WALL



Signature



Handwritten signature

PROJECT-4

TOWER BUILDING-(RESIDENTIAL APARTMENT)



DESIGN BRIEF:

UAE IS ALWAYS DEMANDED FOR THE APARTMENTS . THE RESIDENCE OF UAE PEOPLE PREFERRED APARTMENT THAN THE VILLAS. IN THE WORLD, WE HAVE DIFFERENT KINDS OF PEOPLE AND DIFFERENT QUANTITY OF FAMILIES. SO, DESIGN NEED TO BE ADOPTED BY LOWEST POPULATION IN THE FAMILY TO HIGHEST POPULATION IN THE FAMILY (LIKE FROM STUDIO TO 3BHK).

BEFORE DESIGNING THE APARTMENT, NEED TO CONCENTRATE ON THE FACILITIES FOR DIFFERENT COMMUNITY PEOPLE.

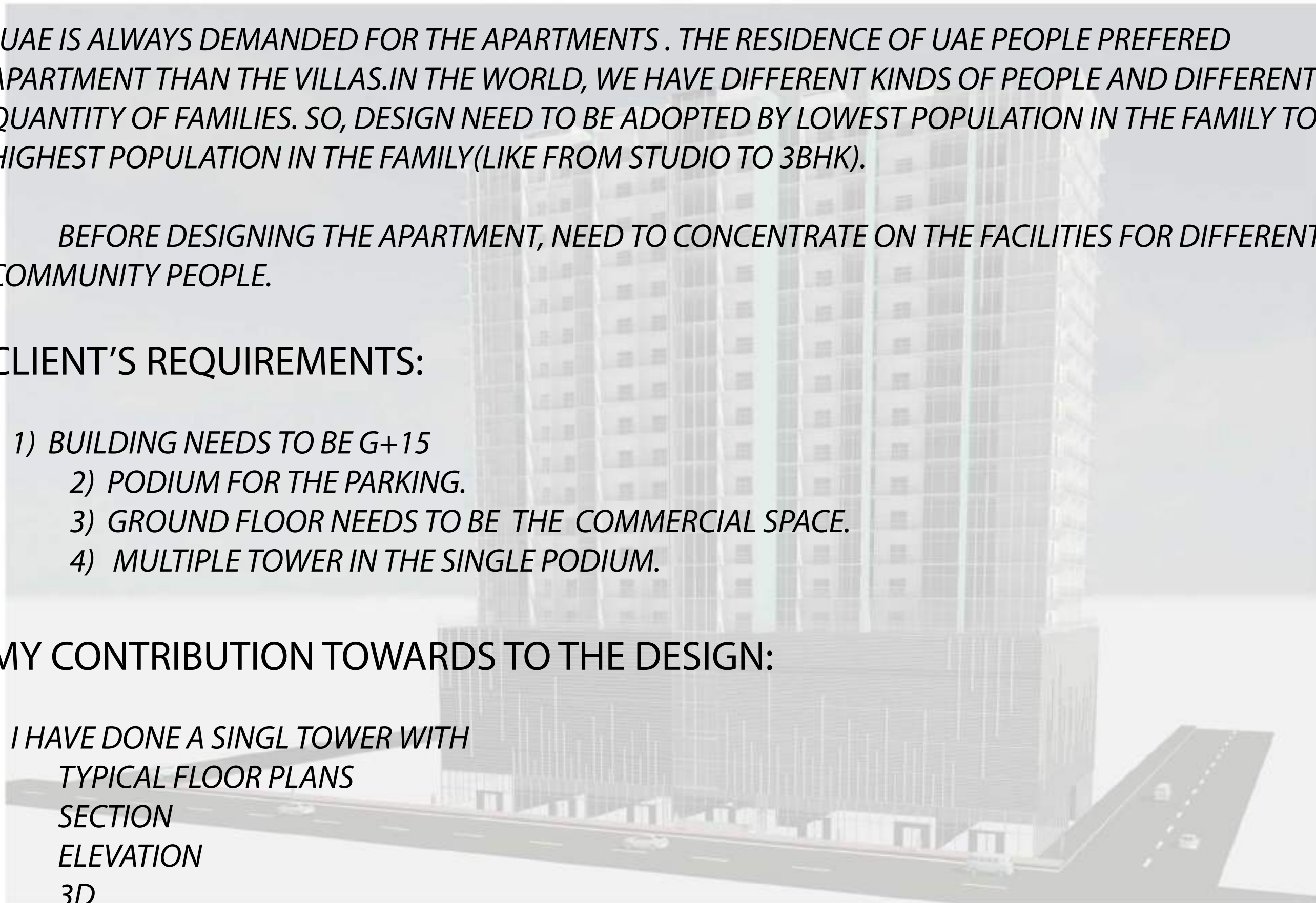
CLIENT'S REQUIREMENTS:

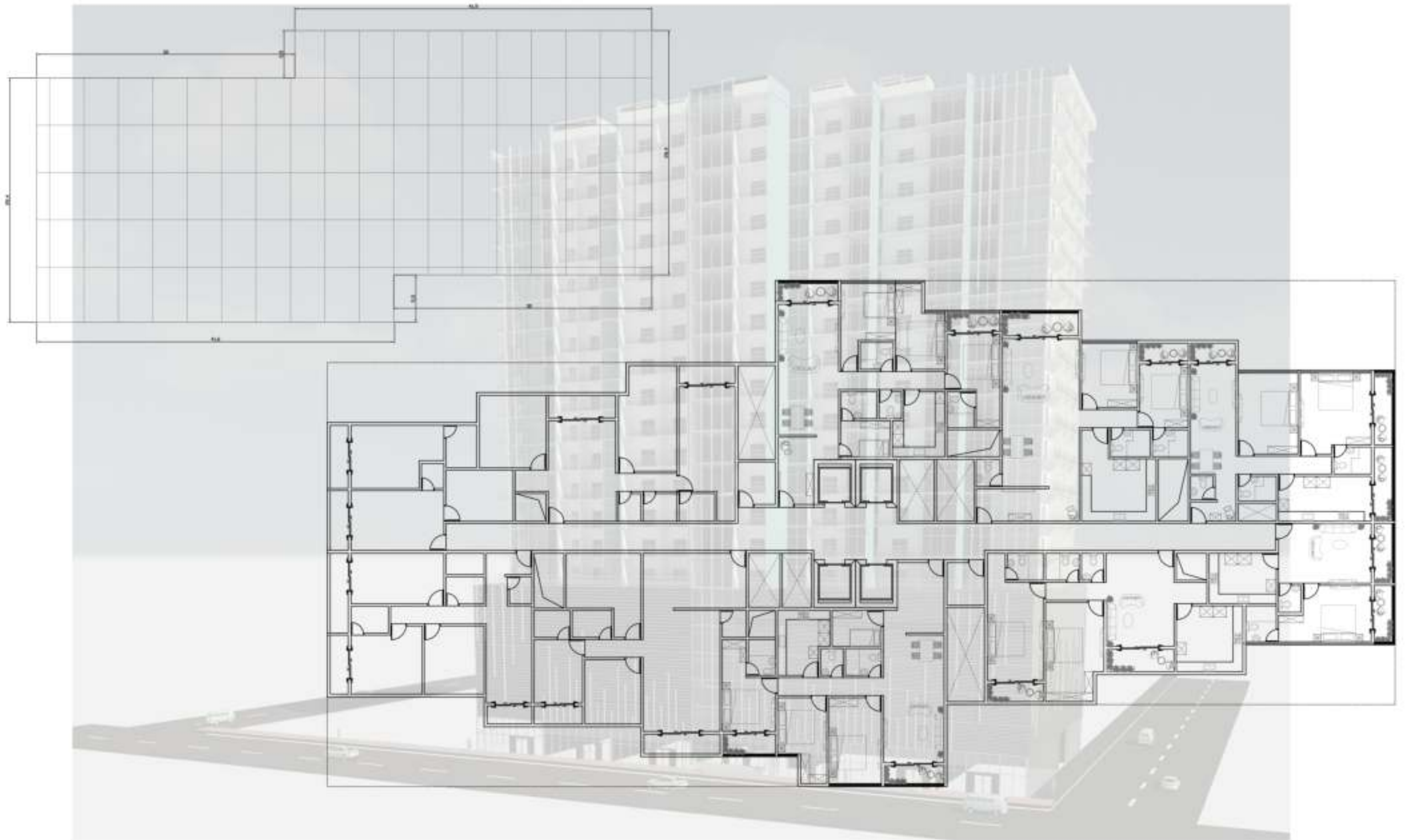
- 1) BUILDING NEEDS TO BE G+15*
- 2) PODIUM FOR THE PARKING.*
- 3) GROUND FLOOR NEEDS TO BE THE COMMERCIAL SPACE.*
- 4) MULTIPLE TOWER IN THE SINGLE PODIUM.*

MY CONTRIBUTION TOWARDS TO THE DESIGN:

*I HAVE DONE A SINGL TOWER WITH
TYPICAL FLOOR PLANS
SECTION
ELEVATION
3D*

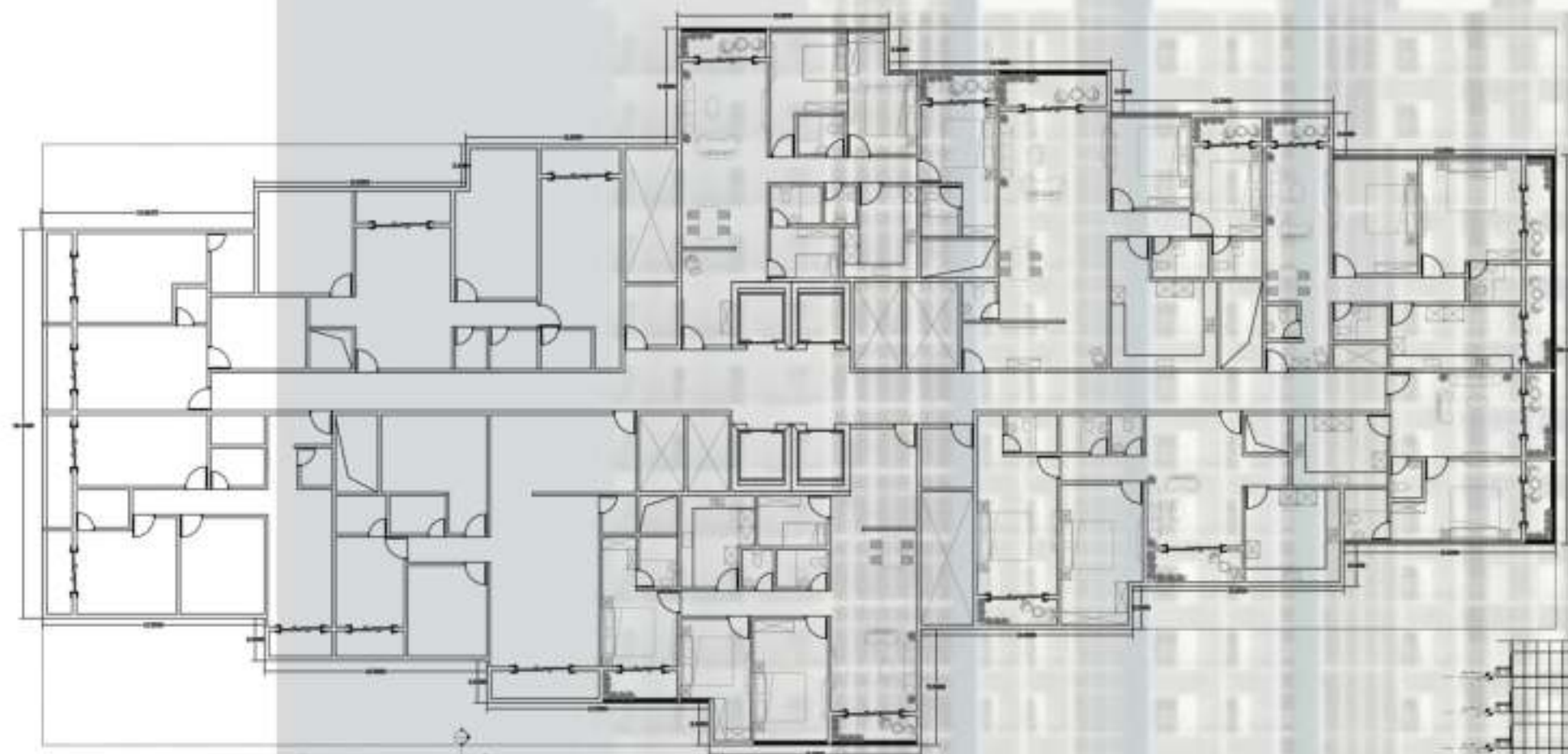
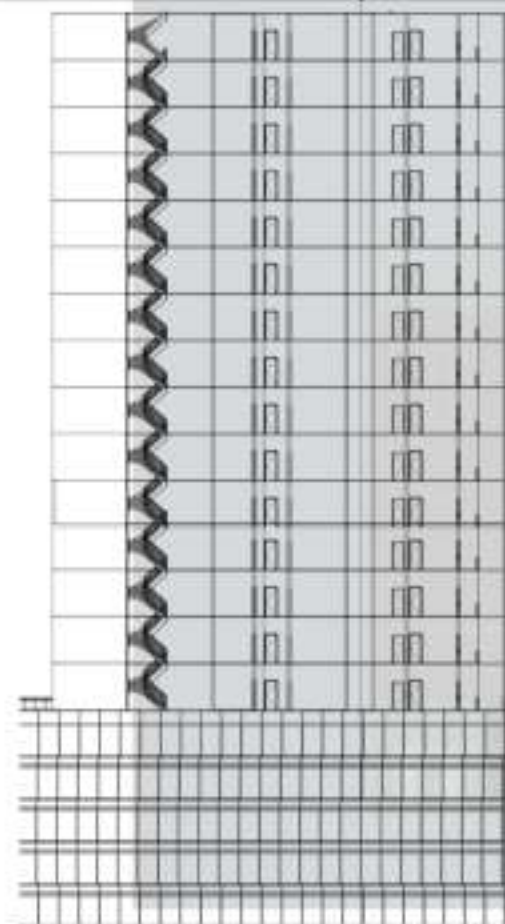
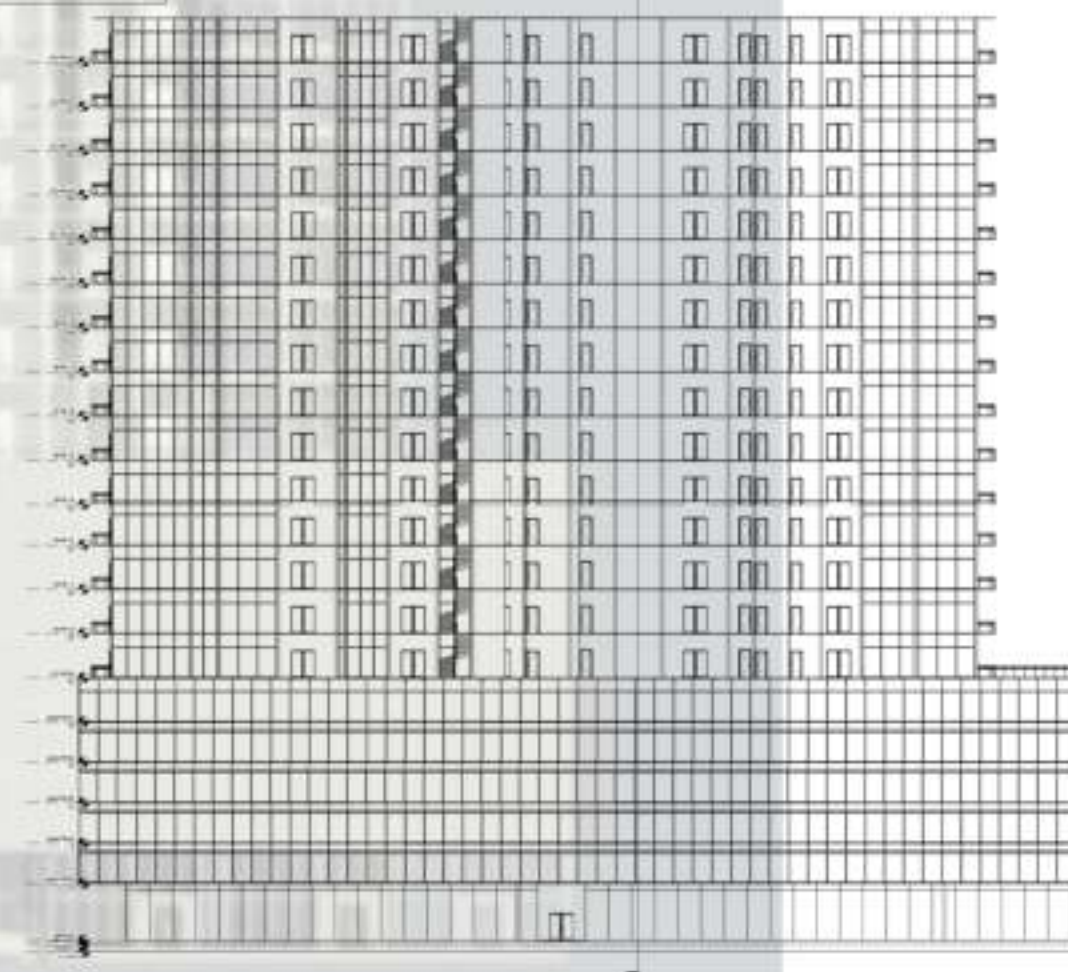
DETAILS ABOUT THE MATERIAL USED.





Handwritten signature

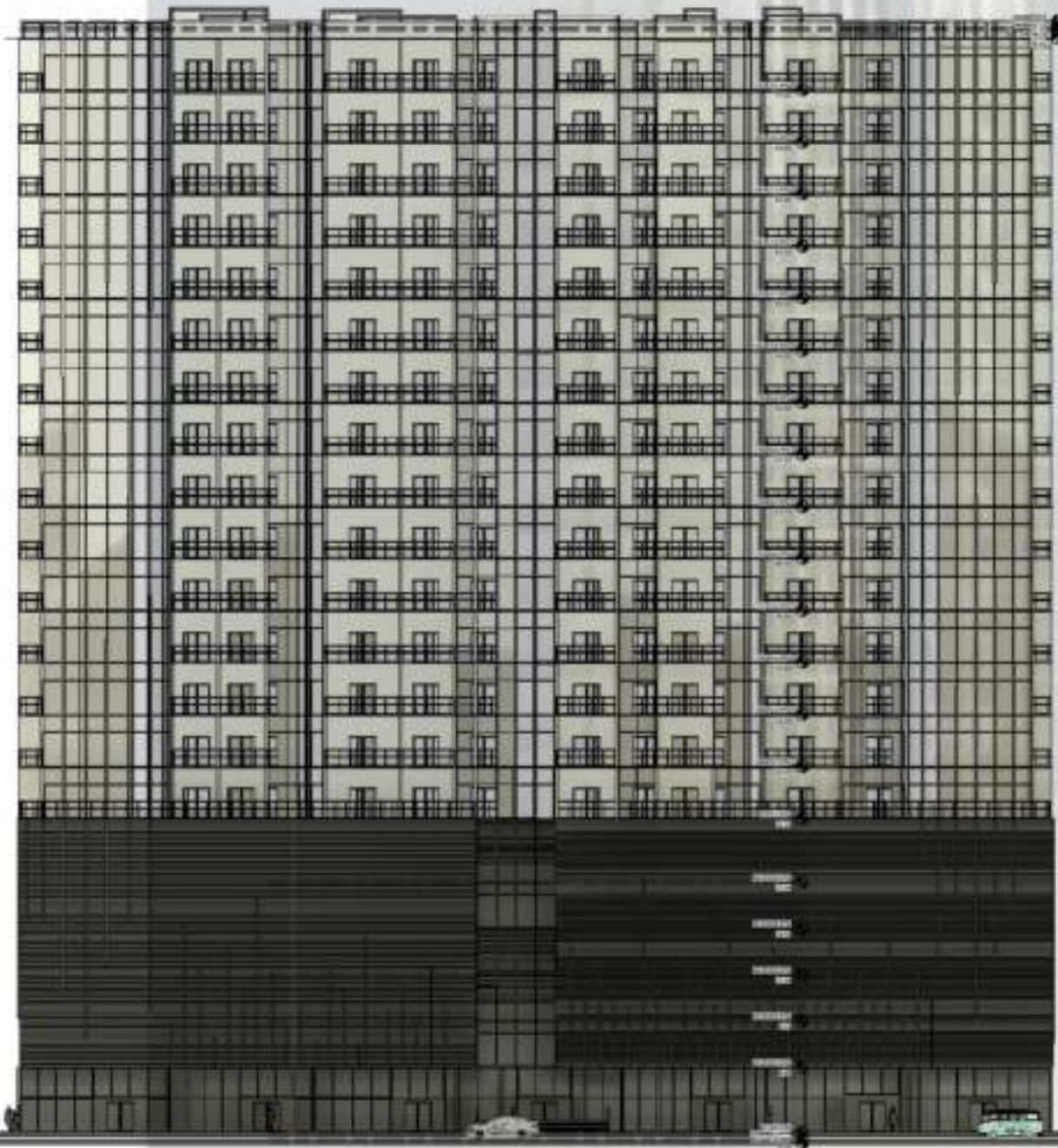
SECTIONS AND PLAN WITH DIMENSIONS

*SECTION-AA**SECTION-AA'*

A handwritten signature in black ink, located in the bottom right corner of the page.

ELEVATIONS

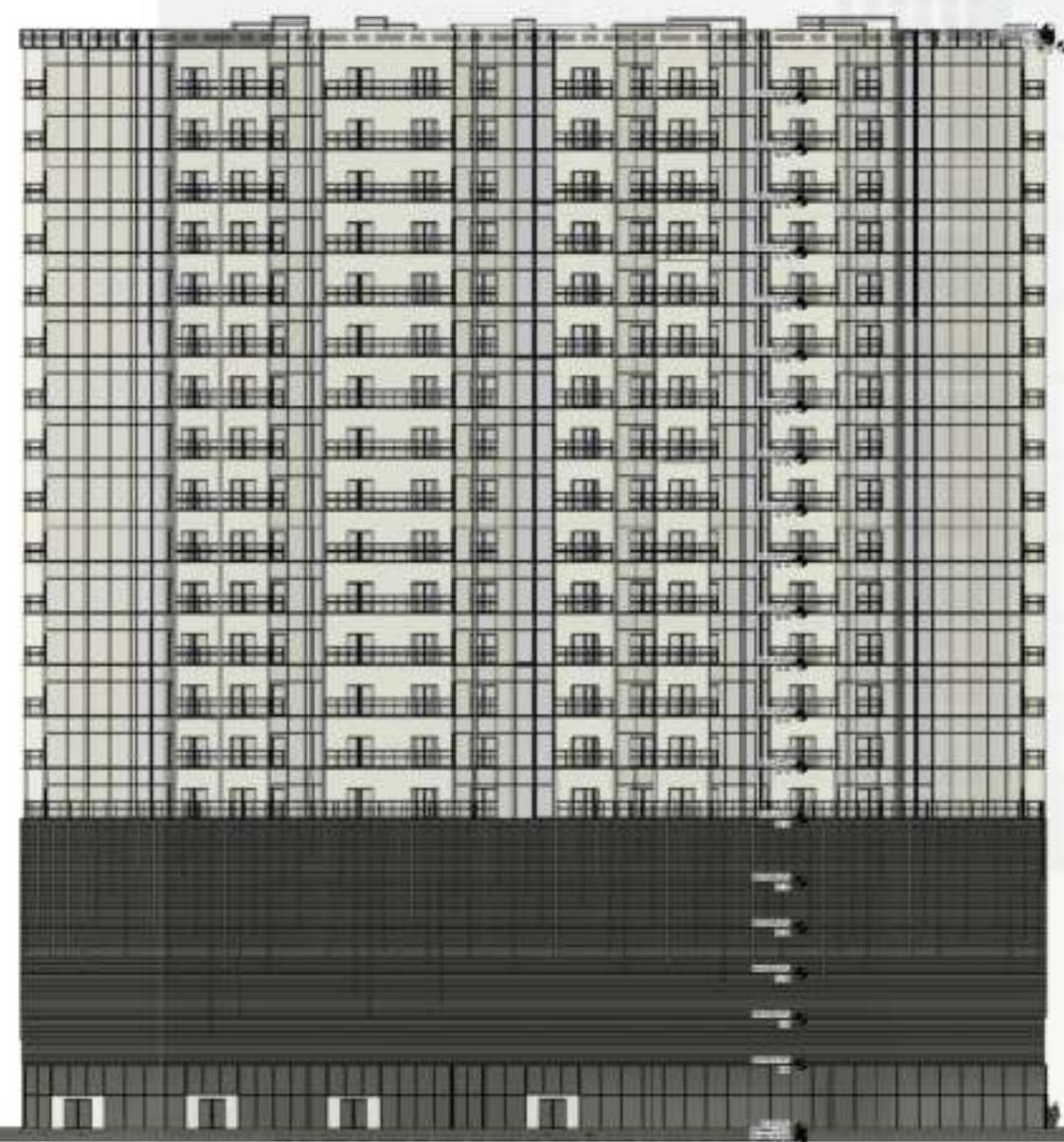
NORTH ELEVATION



EAST ELEVATION

ELEVATIONS

SOUTH ELEVATION

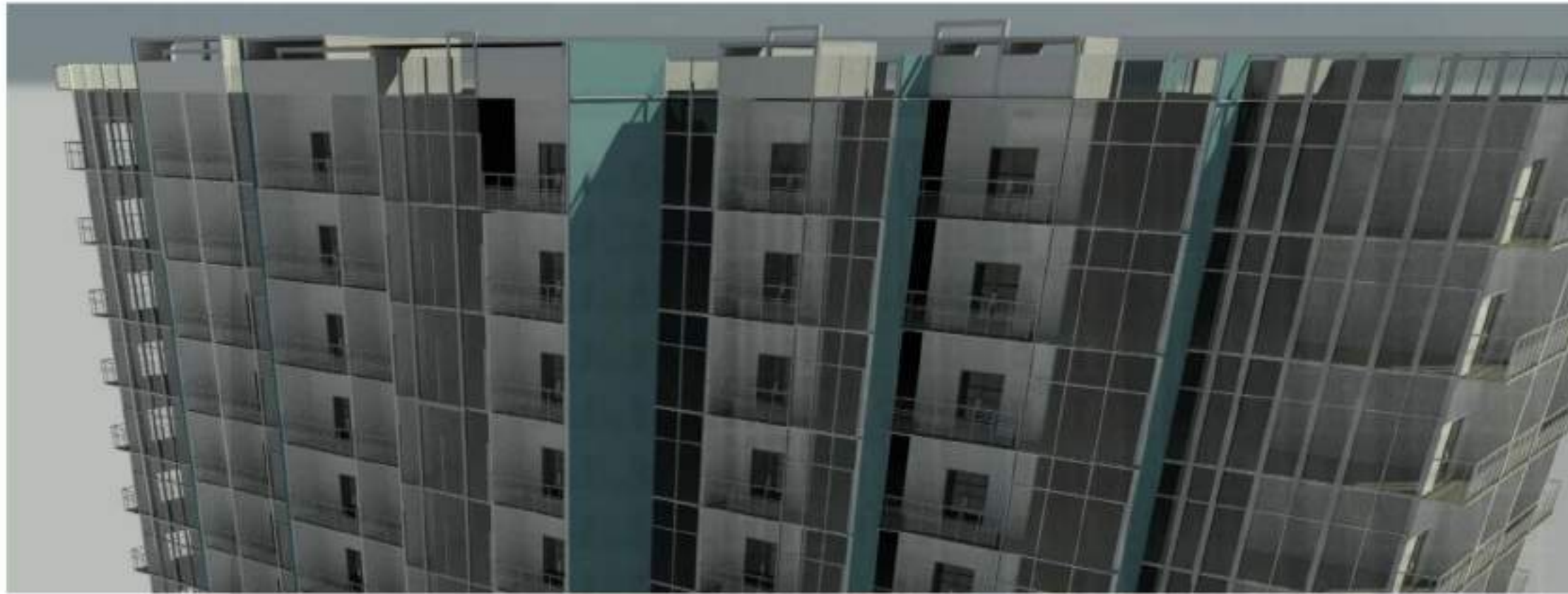


WEST ELEVATION



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GLASS CURTAIN WALLS ARE LIGHT WEIGHT ALUMINIUM FRAMED FACADES HOUSING GLASS OR METAL PANELS. THESE GLAZING SYSTEM DON'T SUPPORT THE WEIGHT OF A FLOOR . INSTEAD, GRAVITY LOADS AND WINDS RESISTANCE TRANSFER FROM THE SURFACE TO THE BUILDING'S FLOOR LINE

LOUVERS:

LOUVER IS A WINDOW BLIND OR SHUTTER WITH HORIZONTAL SLATS THAT ARE ANGLED TO ADMIT LIGHT AND AIR BUT TO KEEP OUT RAIN AND DIRECT SUNSHINE.

THE ANGLE OF SLATS MAY BE ADJUSTABLE, USUALLY IN BLINDS AND WINDOWS OR FIXED.





ISLAMIC PATTERN TRADITIONAL BOUNDARY
WALL FOR UAE RESIDENT VILLA



ISLAMIC PATTERN:

THE THREE NON-FIGURATIVE TYPES OF ISLAMIC DECORATION ARE CALLIGRAPHY, ARABESQUES, AND GEOMETRIC PATTERNS. IN ISLAMIC ART, GEOMETRIC PATTERNS ARE ELABORATE ARTISTIC DESIGNS MADE BY REPEATING, INTERLACING AND COMBINING BASIC GEOMETRIC FORMS CIRCLES, SQUARES, STARS AND MULTI-SIDED POLYGONS IN LARGE ARRAY.

CLIENT'S REQUIREMENTS:

CLIENT WANTS TO CONSTRUCT THE BOUNDARY WALL FOR THEIR VILLA.

THE VILLA WAS DESIGNED AND CONSTRUCTED BY THE IDEA OF ISLAMIC PATTERN AND ISLAMIC TRADITION.

SO, THE BOUNDARY WALL NEEDS TO BE SIMILAR TO VILLA

THEY WANT THE ISLAMIC ARCH OR ANY KIND OF ARCH IN THE ENTRY/EXIT WAY.

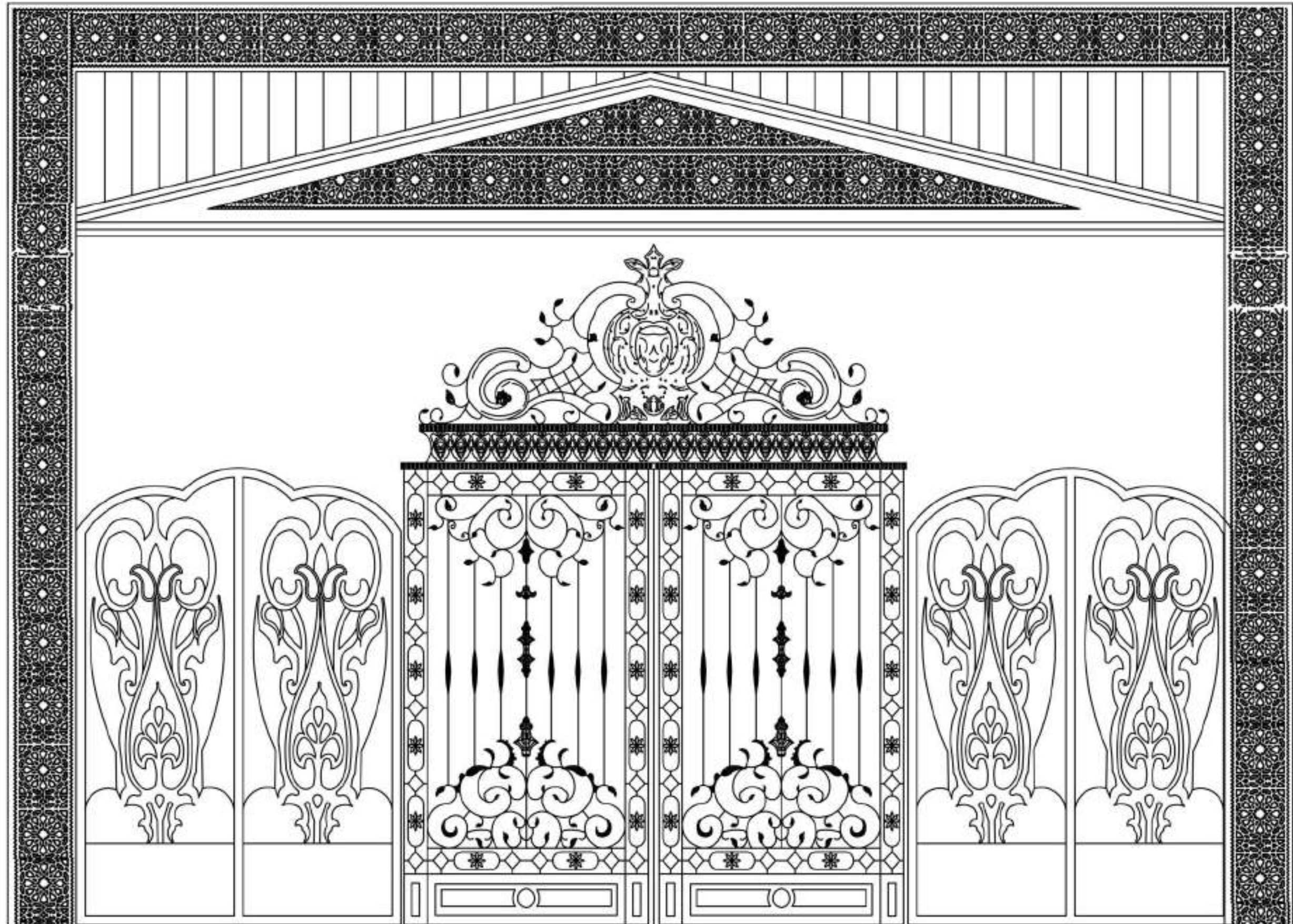
THE HEIGHT OF THE WALL NEEDS TO BE MAXIMUM 2.5M IN HEIGHT.

CONTRIBUTION TOWARDS THE DESIGN:

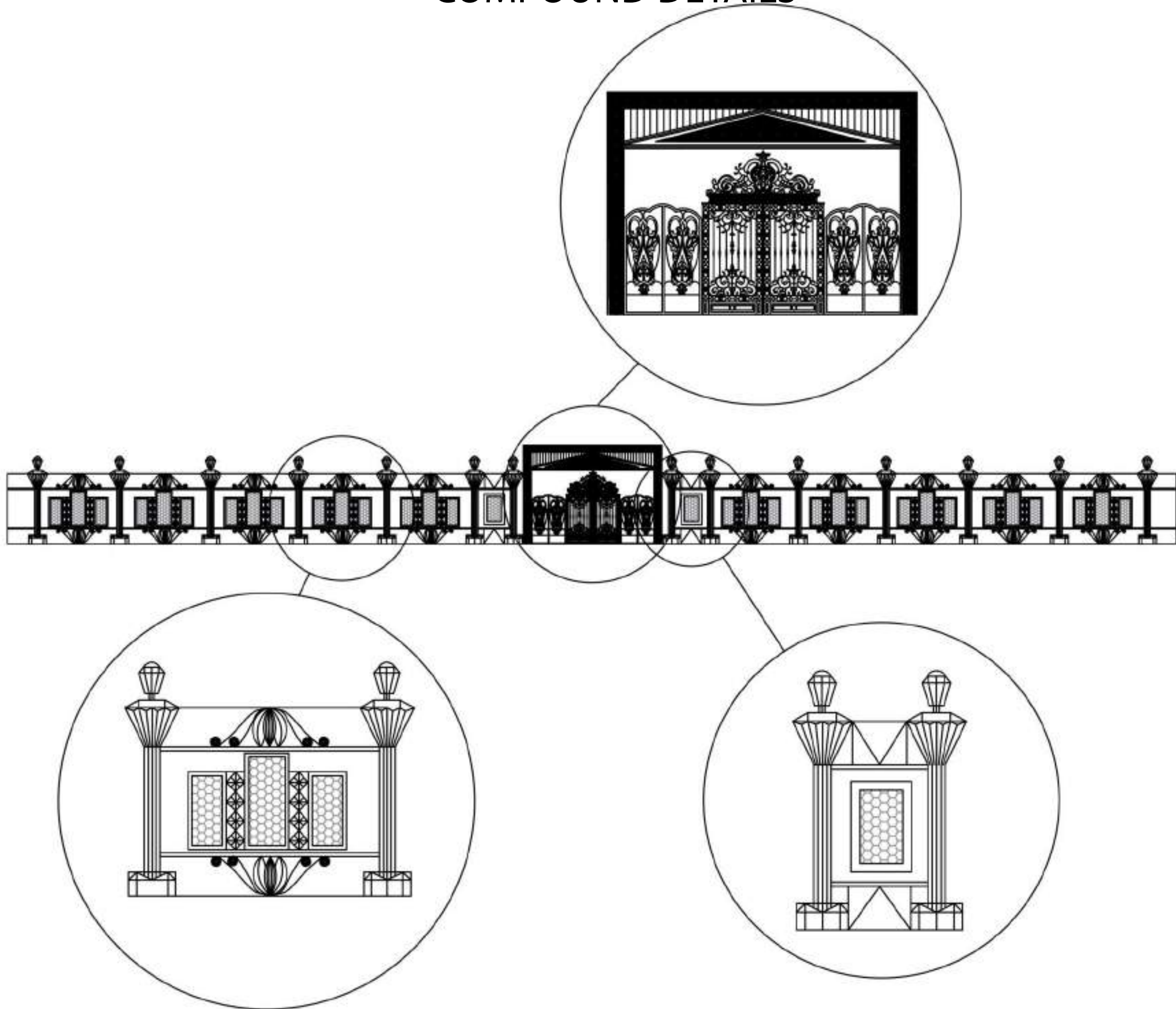
I HAVE DESIGNED THE ENTIRE COMPOUND WALL.

I HAVE DONE THE PATTERNS FOR THE ARCH AND GATE.

ISLAMIC GRILL GATE PATTERN WITH ARCH

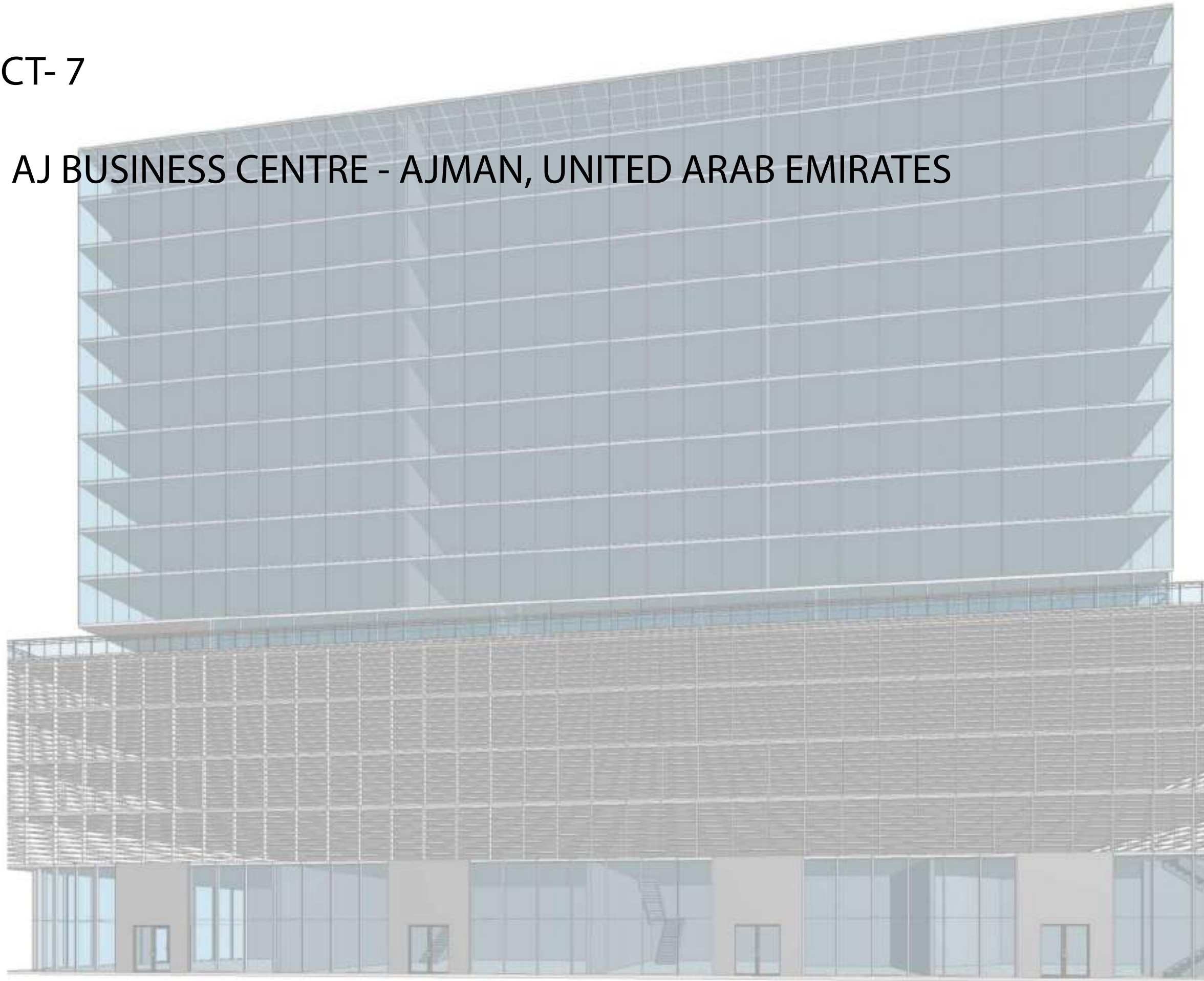


COMPOUND DETAILS



PROJECT- 7

AJ BUSINESS CENTRE - AJMAN, UNITED ARAB EMIRATES



DESIGN BRIEF:

NOW, UAE WELCOMING MOST OF THE PEOPLE FOR THE JOB TO DEVELOPE THEIR COUNTRY. COMMERCIAL SHOP , STUDIOS, SOFTWARE COMPANIES AND CONSTRUCTIONS PLAYS VITAL ROLE IN THE DEVELOPMENT OF UAE WEALTH. IN UAE , IT HAS SEVERAL STATES ALMOST SEVEN STATES LIKE ABU DHABI, DUBAI, AJMAN, UMM-AL-QUWAIN, SHARJAH , FUJAIRAH AND RAS- AL- KHAIMAH. AMOUNG THESE STATES SOME STATES ARE CALLED AS MONEY MAKING STATES LIKE DUBAI AND ABU DHABI. REMAINING STATES ARE FAMOUS AND COMFORTABLE FOR RESIDENDIAL BECAUSE OF THE COST OF LIVING IN UAE. DUBAI AND ABU DHABI HAVE TOO MUCH OF COMMERCIAL BUILDINGS. AJMAN IS THE DEVELOPING STATE, AND THIS BUILDINGS GOING TO BE CONSTRUCTED IN THE AIMAN.

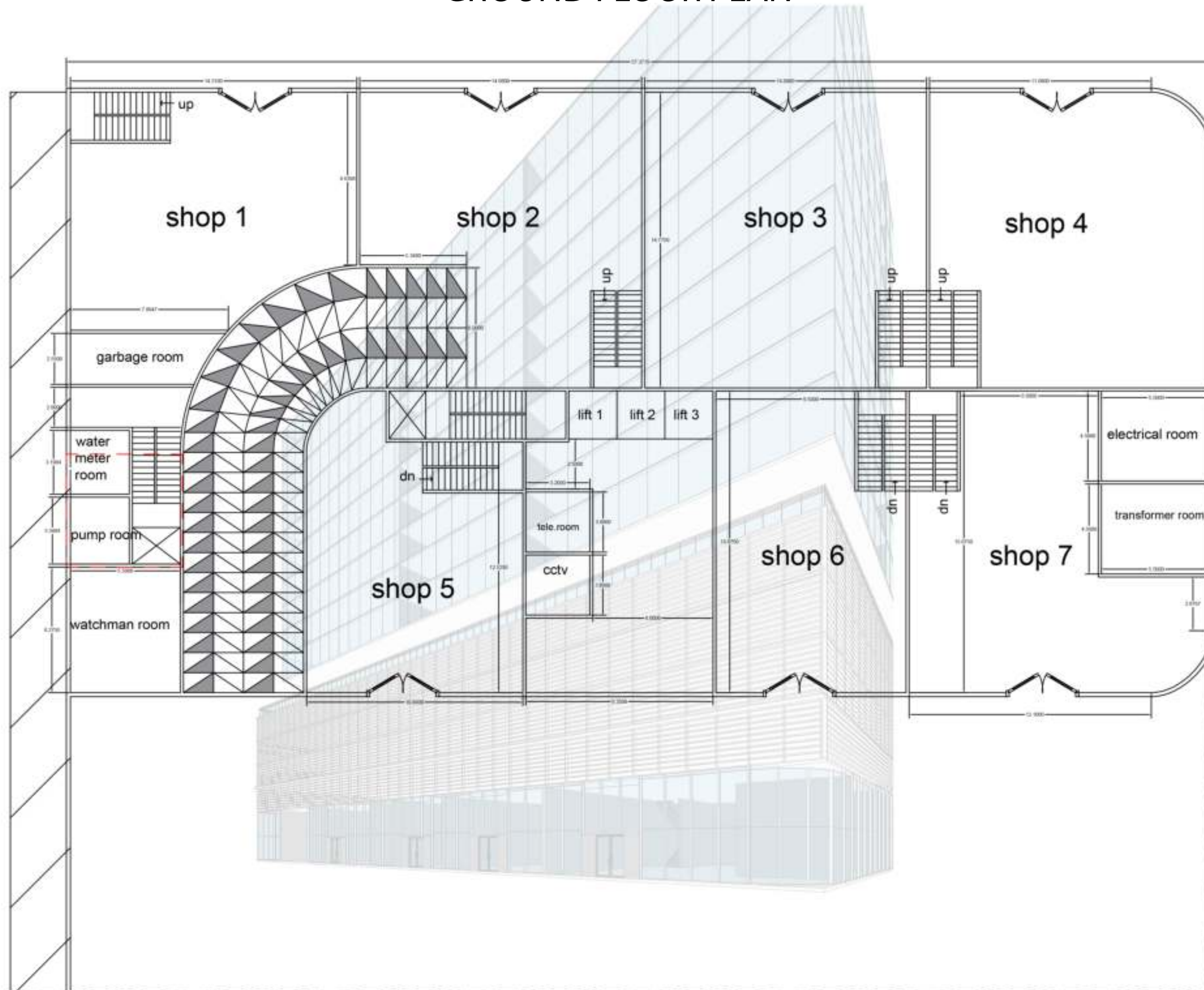
CLIENTS'S REQUIREMENTS:

CLIENT WANTS TO CONSTRUCT THE BUILDING ONLY FOR THE COMMERCIAL PURPOSE LIKE RETAIL. THE BUILDING NEEDS TO BE G+ 15 . AND THE GROUND FLOOR IS ONLY FOR THE SHOPS AND RESTAURANTS. AND THEY WANT ONE FULL FLEDGED FLOOR FOR CAFE .

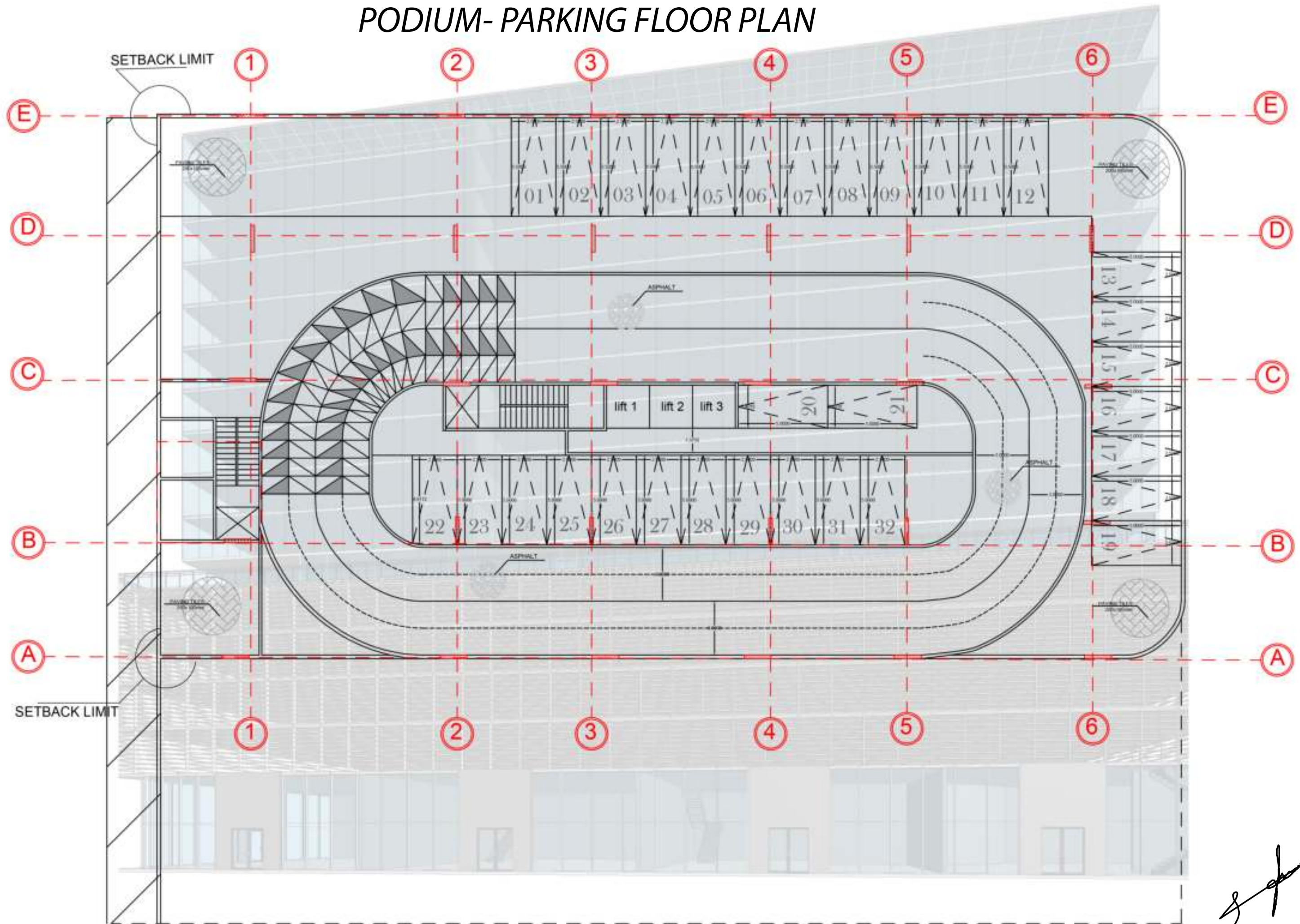
EVEN THEY HAVE A ENOUGH SPACE FOR PARKING IN THE BACKSIDE, THEY WANT A ENOUGH AND EXTRA AREA FOR PARKING IN THE PODIUM.



GROUND FLOOR PLAN



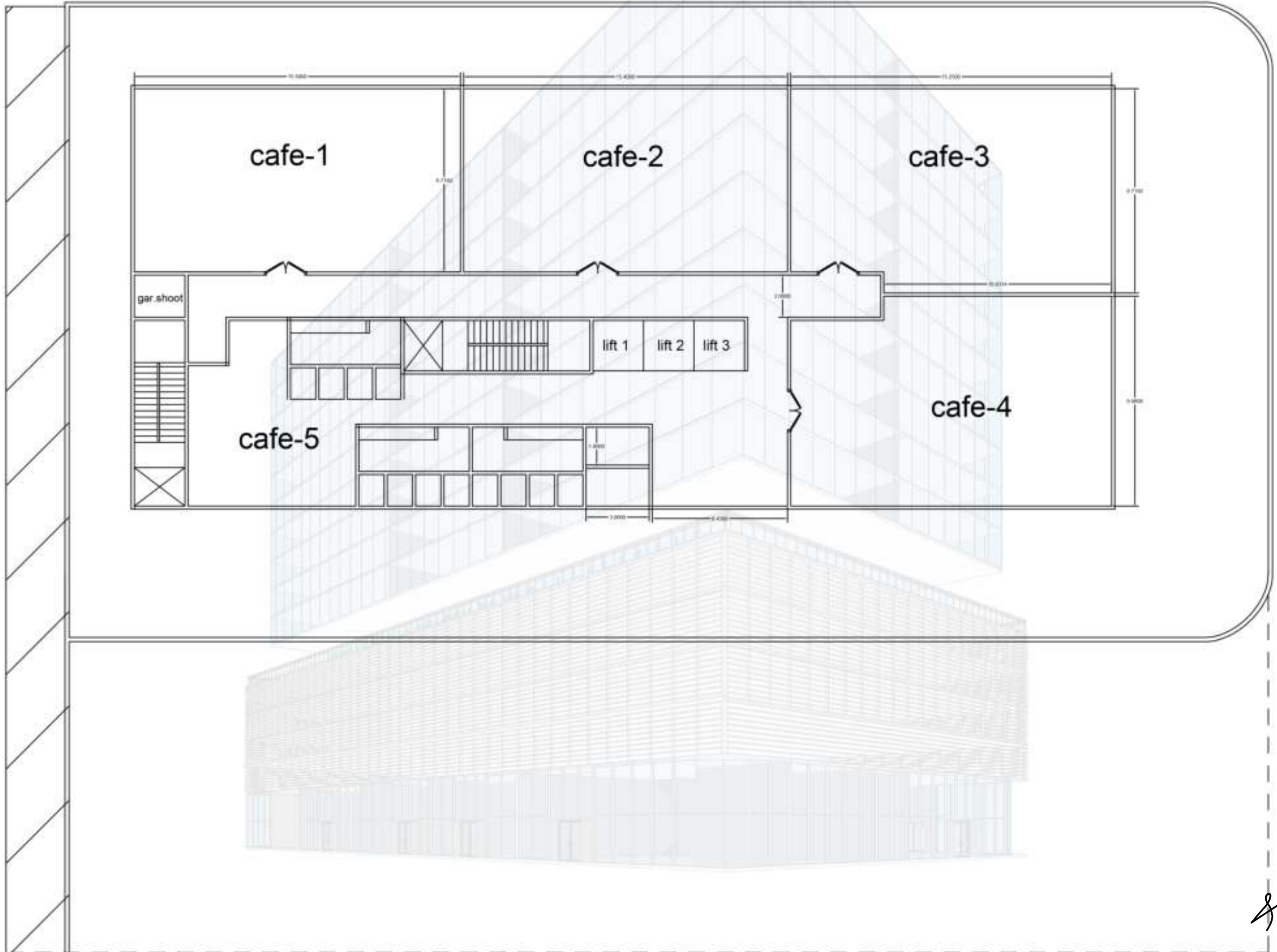
PODIUM- PARKING FLOOR PLAN



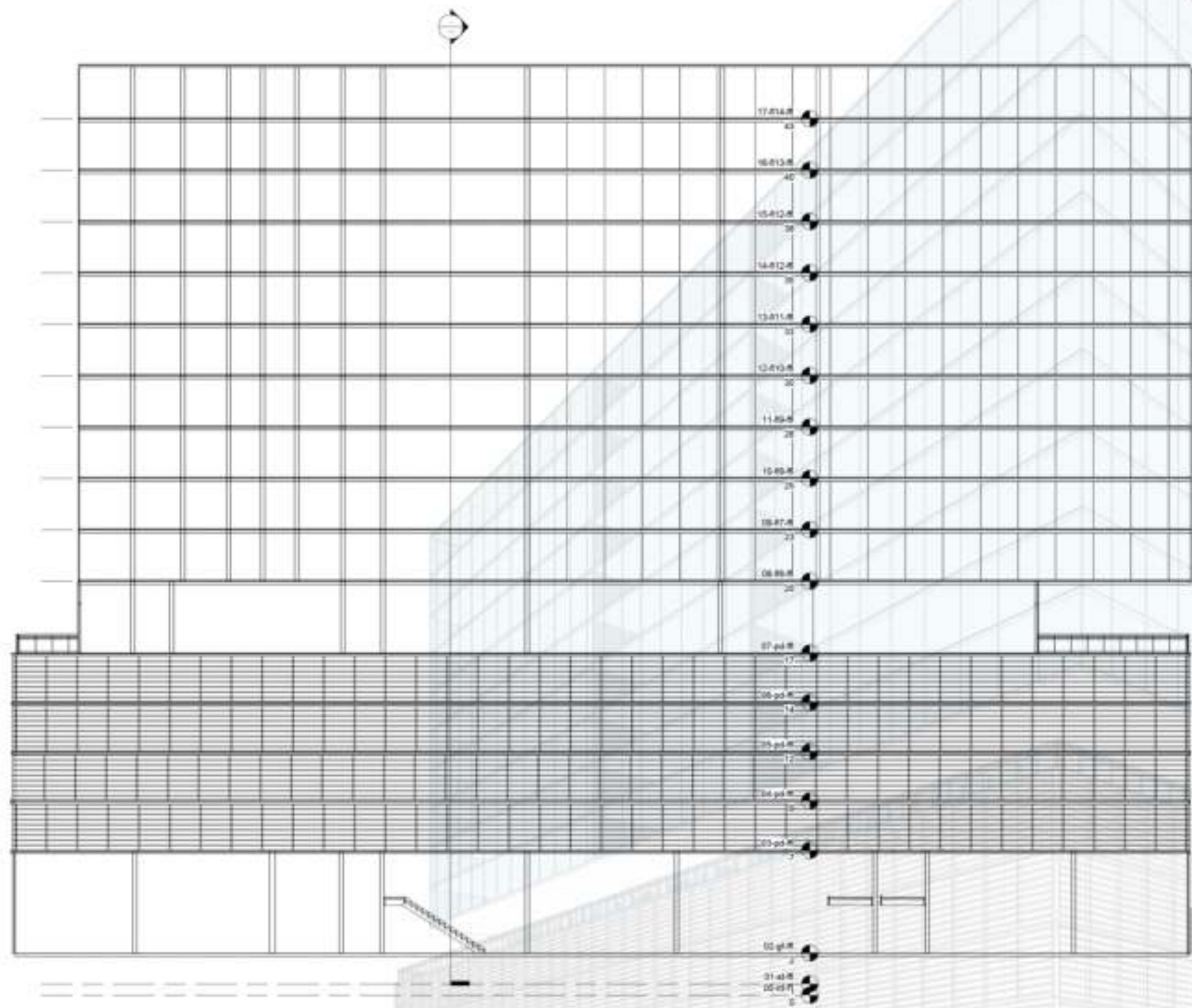
Signature

UPPER FLOOR PLAN

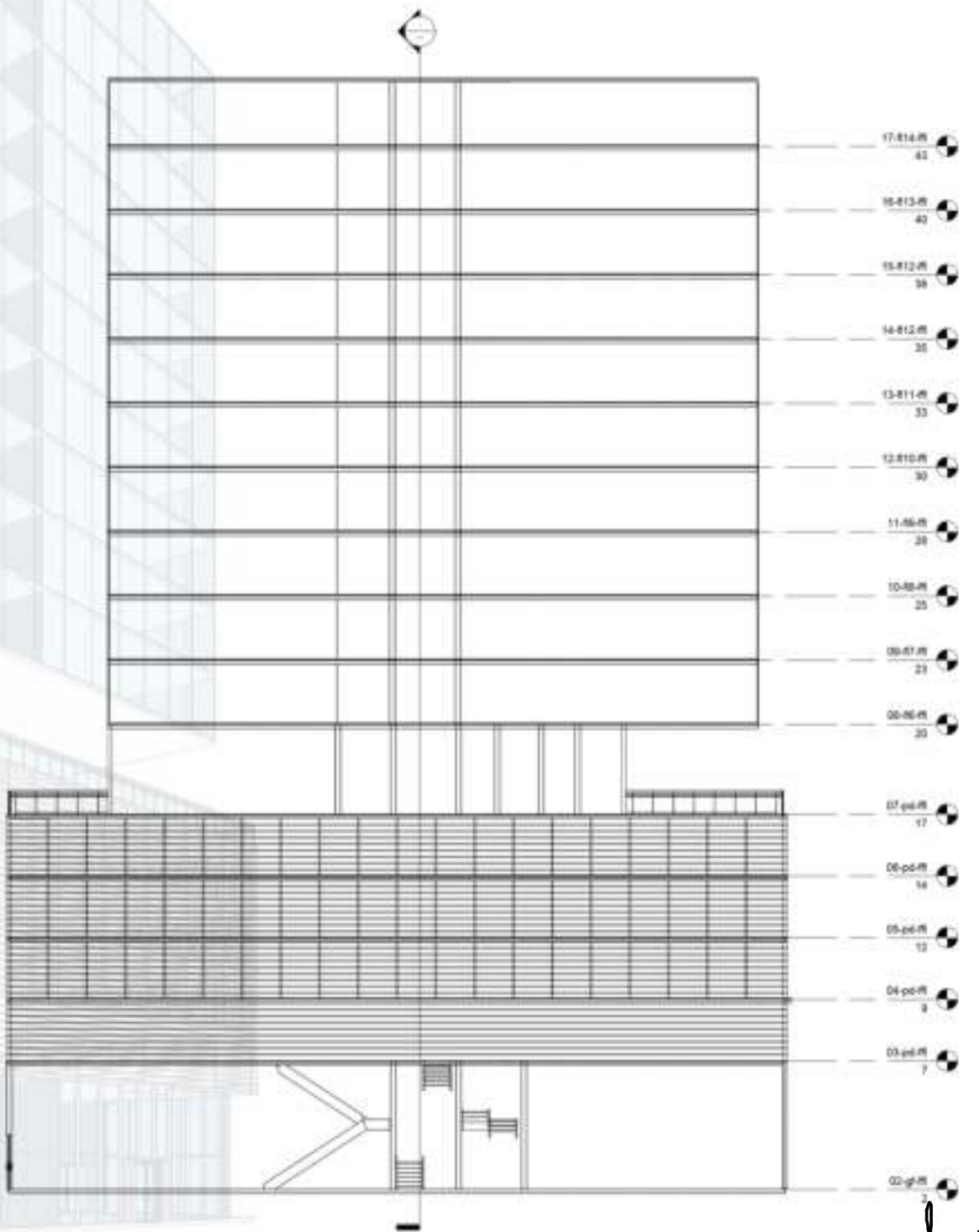
49



SECTIONS



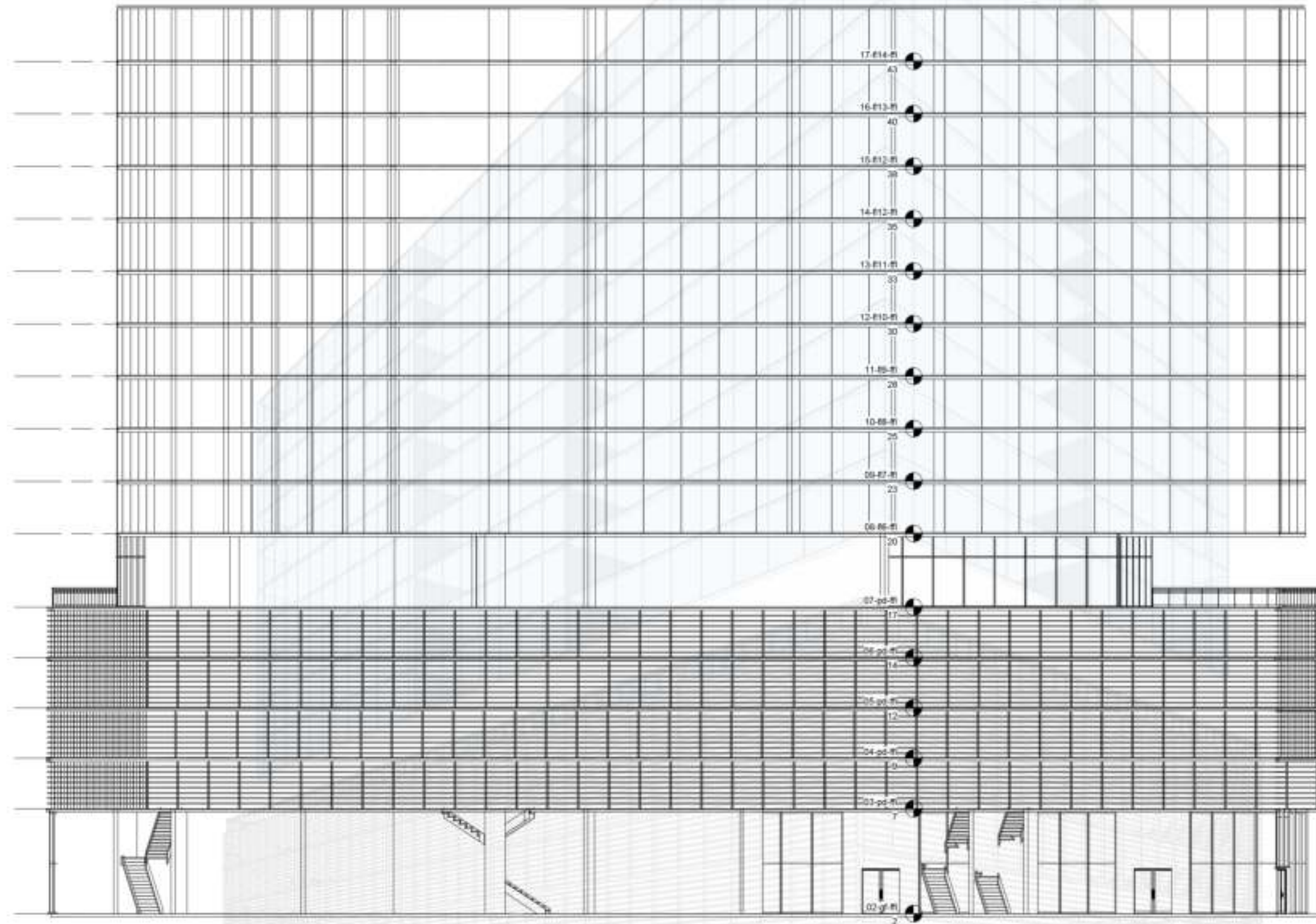
SECTION-AA



SECTION-AA'



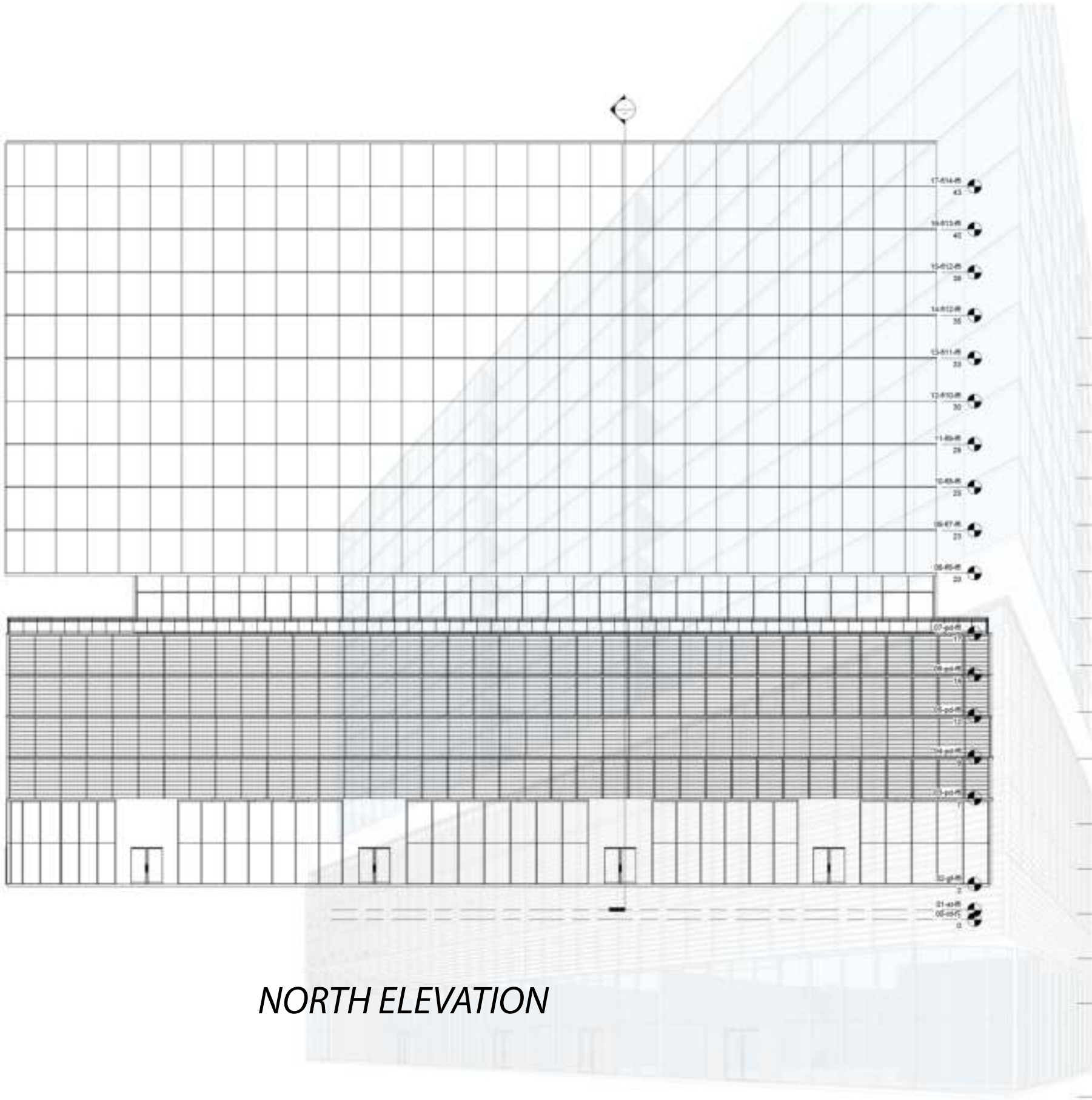
SECTION



SECTION-BB

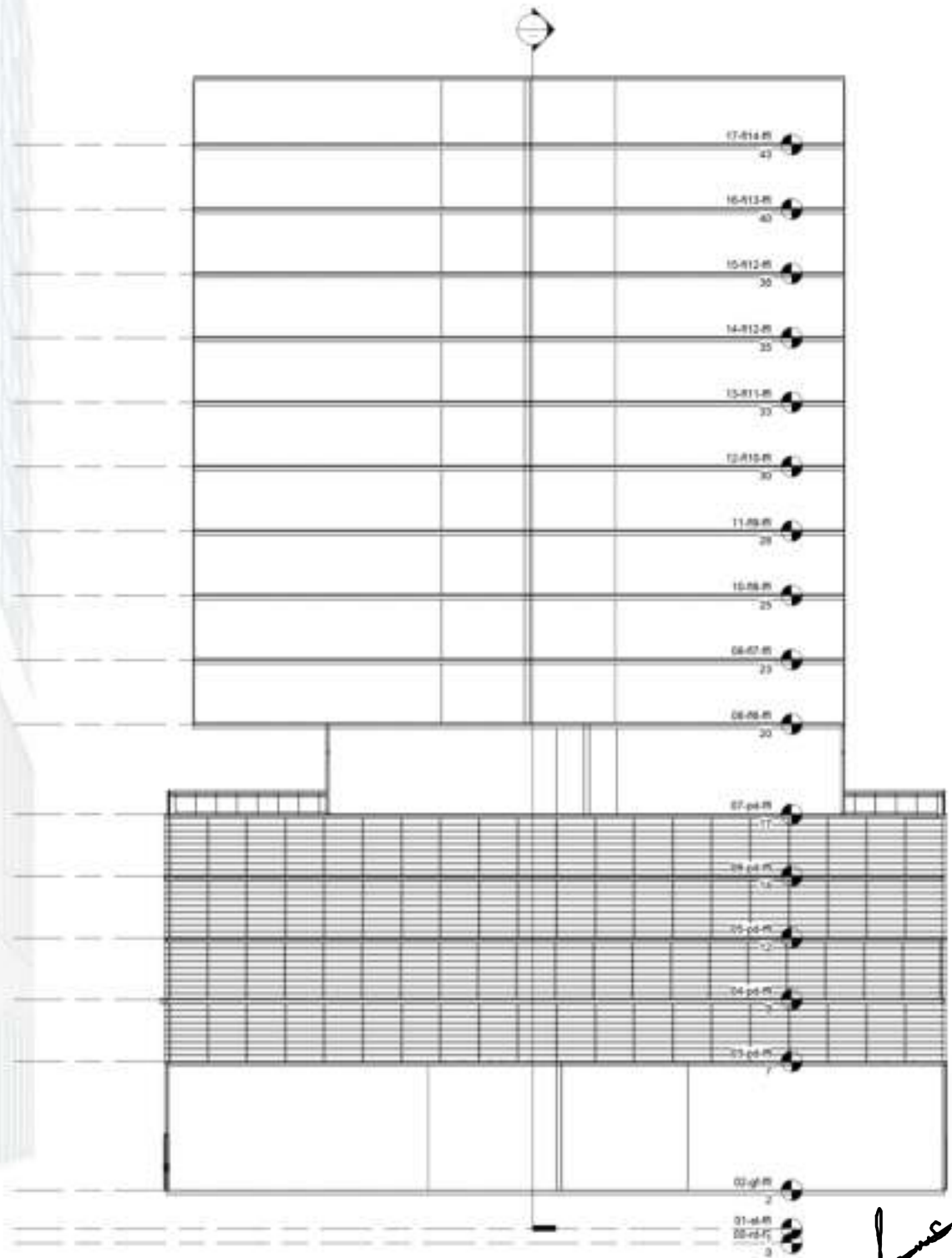
Handwritten signature or mark.

ELEVATIONS



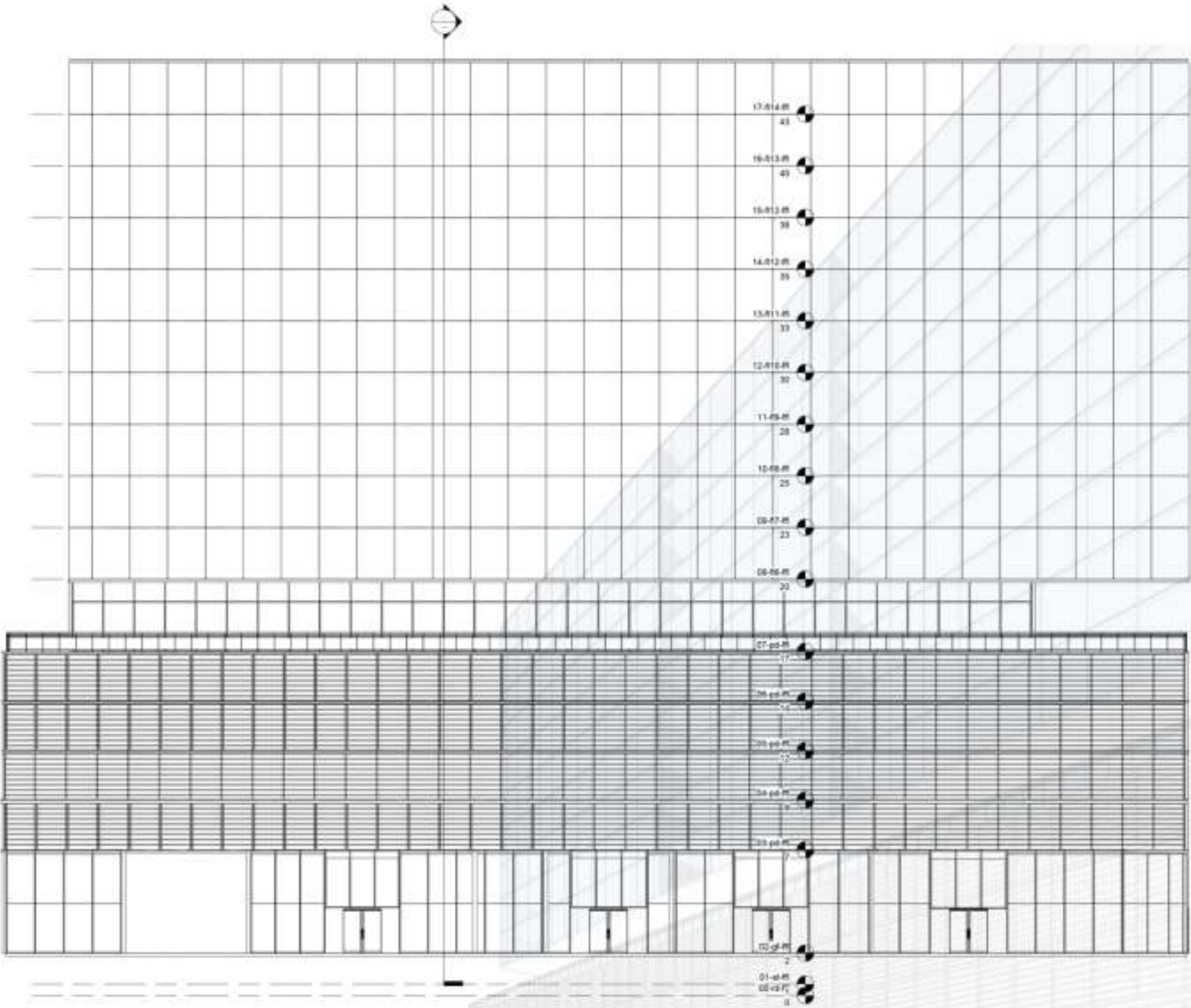
NORTH ELEVATION

EAST ELEVATION



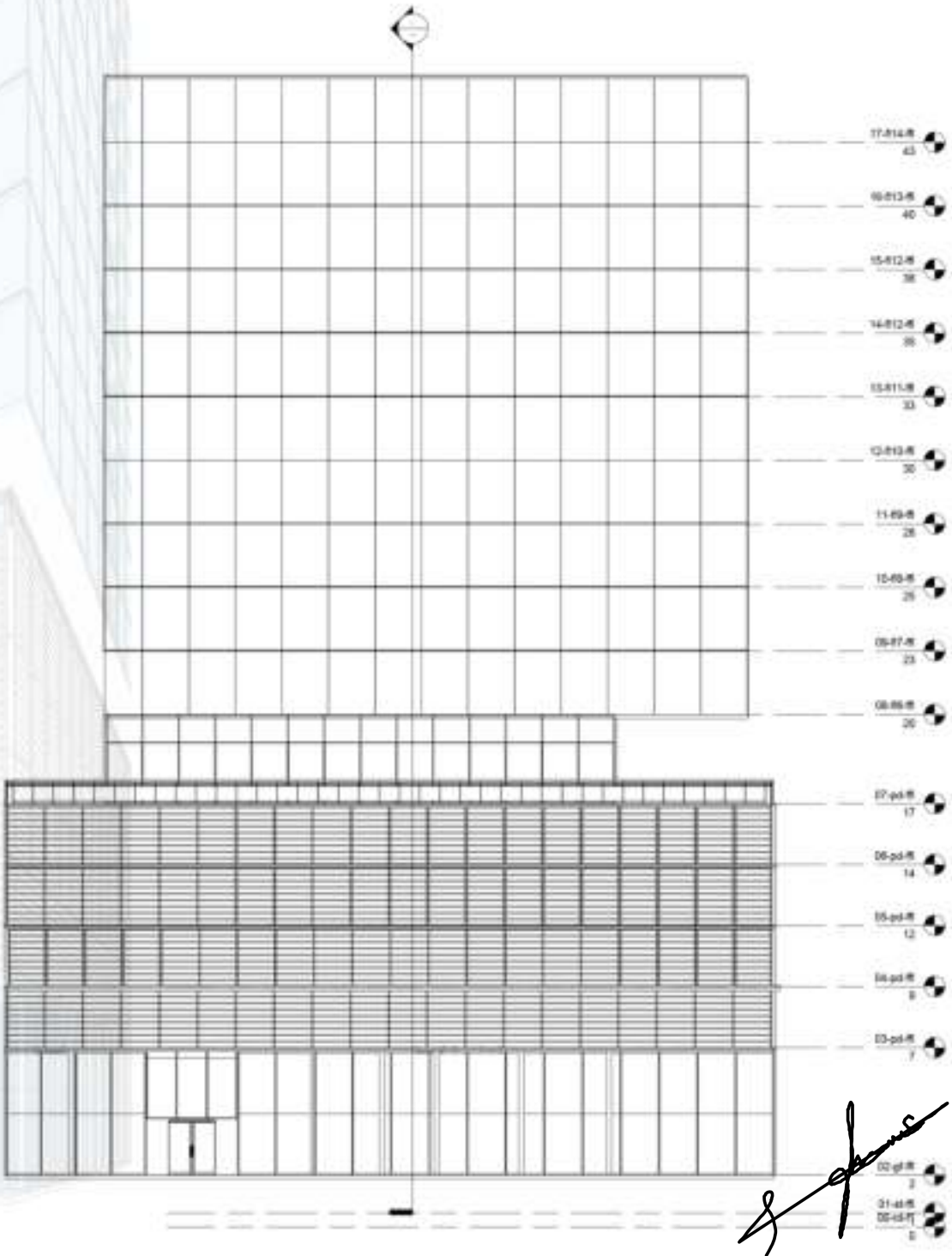
[Handwritten signature]

ELEVATION

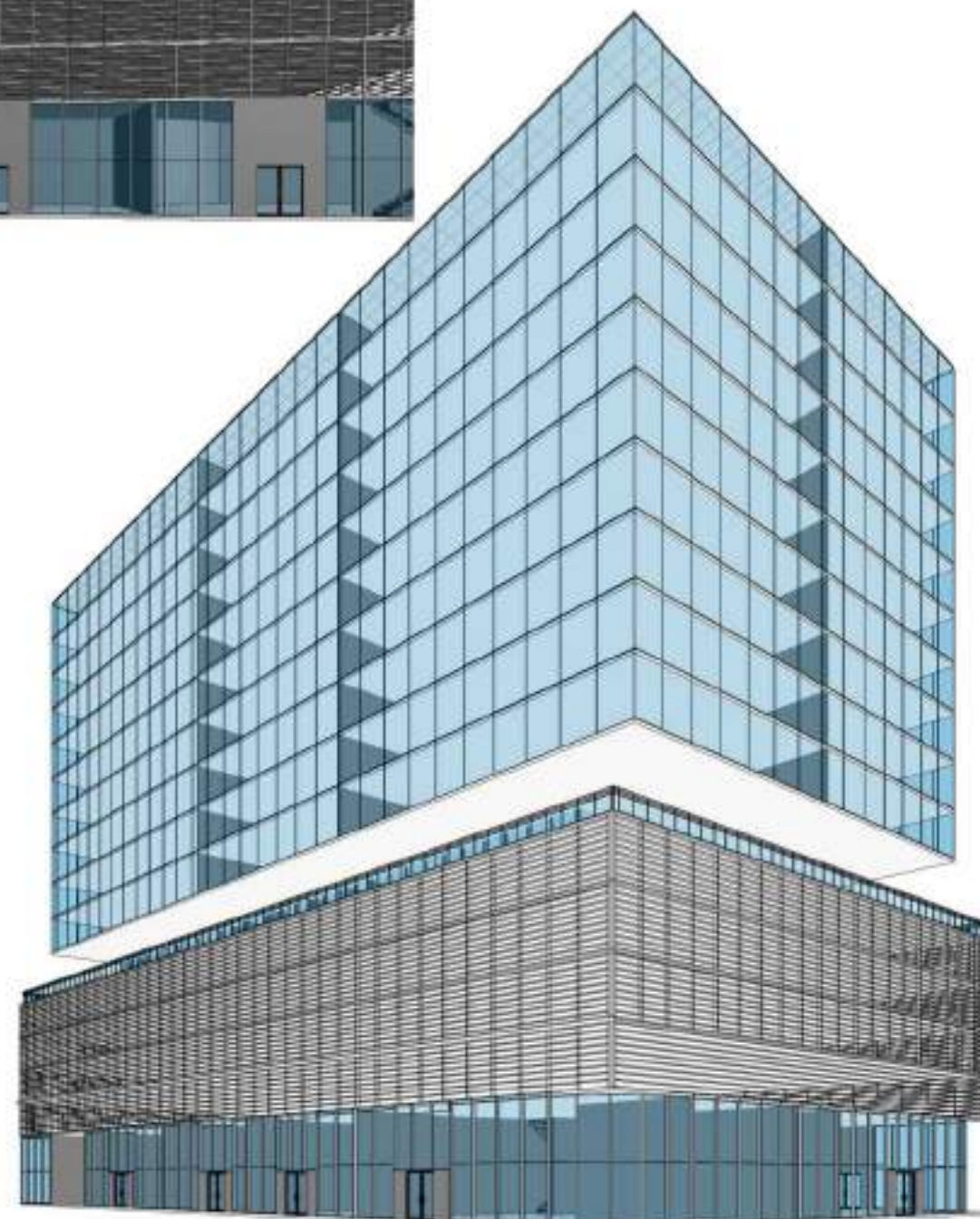
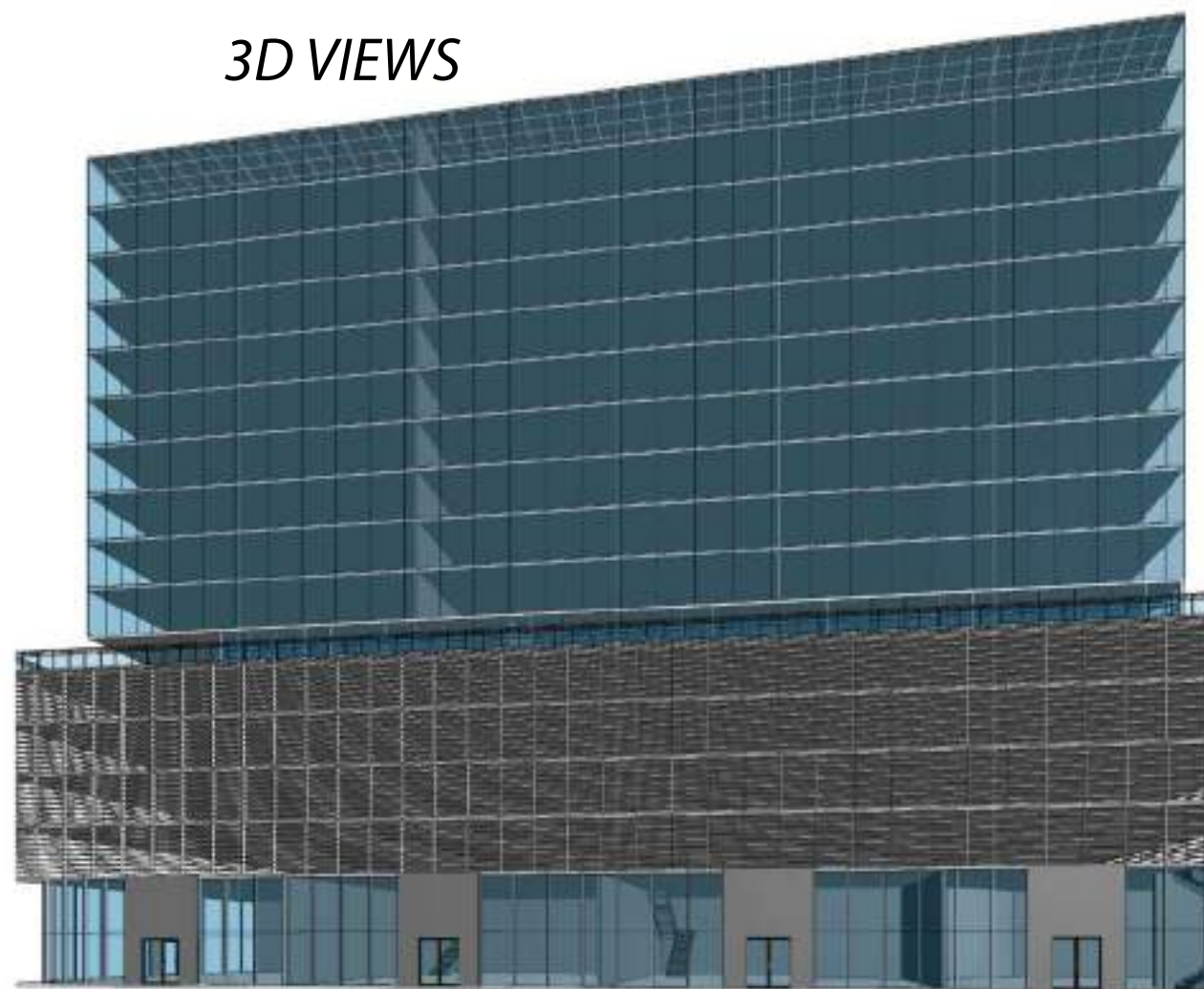
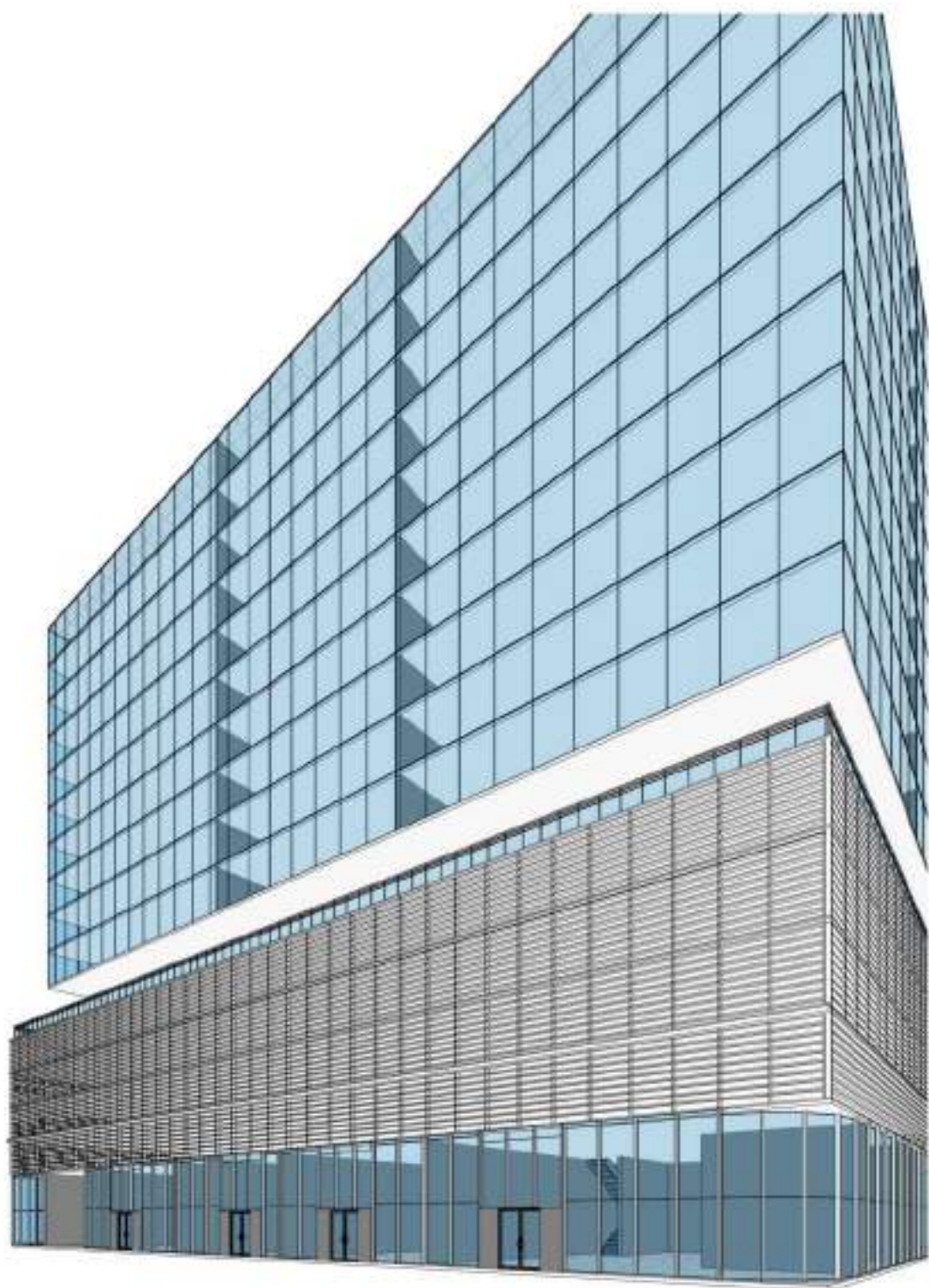


SOUTH ELEVATION

WEST ELEVATION



3D VIEWS



CRITICAL OVERVIEW

Feasibility study

Plot Area (sq.ft) Approx.	148,585.00
Description	Housing Complex
Built Up Area (sq.ft)	1,402,639.5
Buildings	G+3P+10Typ
Parking Spaces Provided	1,135

Estimated Cost	Amount
Estimated Construction Cost	224,422,320
Unit Rate of Building (AED/sq2)	160.00

Estimated Annual Return				
Unit	Unit area (square feet)	No of Units	Rent (AED/ft2)	Price (AED)
flat 01 (2BHK)	1,428.54	10.00	35,000	350,000
flat 02 (3BHK)	1,772.49	10.00	50,000	500,000
flat 03 (3BHK)	1,757.96	10.00	50,000	500,000
flat 04 (2BHK)	1,425.94	10.00	35,000	350,000
flat 05 (1BHK)	973.49	10.00	25,000	250,000
flat 06 (2BHK)	1,449.90	10.00	35,000	350,000
flat 07 (2BHK)	1,428.54	10.00	35,000	350,000
flat 08 (3BHK)	1,772.49	10.00	50,000	500,000
flat 09 (3BHK)	1,757.96	10.00	50,000	500,000
flat 10 (2BHK)	1,425.94	10.00	35,000	350,000
flat 11 (1BHK)	973.49	10.00	25,000	250,000
flat 11 (2BHK)	1,449.90	10.00	35,000	350,000
Total Annual Return from building				4,600,000

Net Income	18,400,000
Less 7% for maintenance and management cost	1,288,000
Net Annual Return Income	17,112,000

Estimated Return of Investment

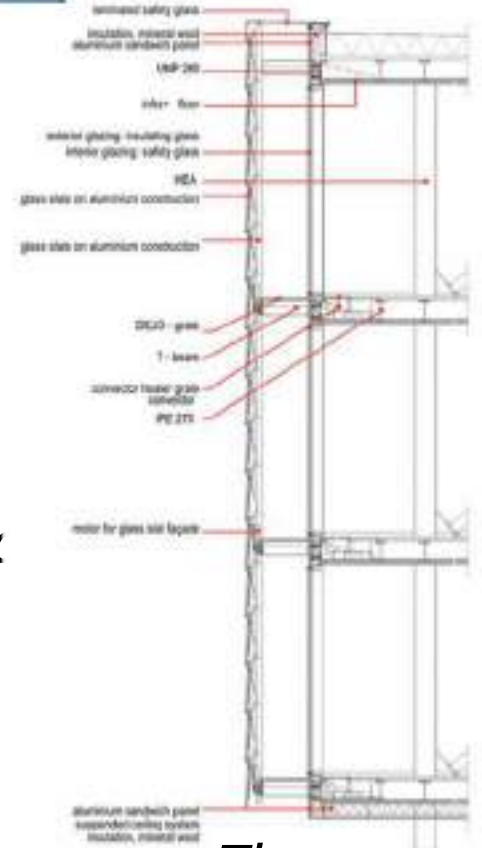
materials

steel, steel bars ,concrete ,cement, gravel, prefabricated concrete, ready made concrete, aluminium, glass and plastic. steel is one of the most common used material in uae.



Aluminium composite panel:

A growing number of modern buildings utilise cladding made up of composite panels such as aluminium composite panels. These are generally two thin sheets of aluminium separated by core materials.



Swot analysis:
after internship,

weakness

1) less knowledge in construction details and services

Strengths

1)Improvement in communication
2)applying various idea in single project
3)Time management

opportunities
1) because of 5 month internship in uae,it will a plus point when i apply for the job.

Threats

1) handing new large size project like apartments.

7.62 Years