



Ahmad khreshi

ARCHITECTURAL ENGINEER

(BIM SPECIALIST)

Riyadh, Saudi Arabia

+966548975699

Ahmadnk050@gmail.com

linkedin.com/in/ahmad-khreshi-

859843bb

www.behance.net/ank020



Detail-oriented Building Engineer with high experience in managing different phases of engineering operations and highly skilled using BIM software such as Autodesk Revit and other building simulation programs. Capable of handling multiple projects with minimum supervision. Motivated to offer the highest quality of services. have a good management and planning background and capable of Designing different projects type as well as planning and scheduling projects while construction.

Skills

- Highly skilled using BIM software.
- high construction and designing skills.
- Excellent conceptual and analytical skills
- Self-learning and development.
- Hard worker
- Experience of working as part of a group
- Effective interpersonal skills
- Creative.

Experience

SINCE JAN 2020

BIM Specialist Engineer / Omran Engineering Consultants, Riyadh

- Working in development of housing project with ministry of housing.
 - Developing of conceptual design.
 - Architectural, Structural, MEP design, and modeling.
 - Preparing high detailed Revit models. (LOD 500)
 - Systems coordination and clash detection.
 - Site technical BIM assisting.
 - Finishing 9 prototypes within 3 months. (LOD 500)
 - TimeLine simulation using Navisworks.
 - Timeline simulation and animation using Lumion 10.
 - Preparing full packages for different project from the stage of IFR till IFC.
 - Preparing Mood Board and architectural material selection.
- Contact: Engineer. Mohammed Lal +966 595 499 200

JUNE 2019 -DEC 2019

Architectural Engineer / Emaar Gulf Engineering Consulting Office, AL-Ahsa

- Meeting with customers to obtain their requirements more than 20 projects during one month.
 - Developing of conceptual design according to the customer requirements.
 - Finalizing projects and modifying according to each region municipal rules and Saudi codes.
 - Preparing of full construction drawings for the customer.
 - 3D modelling and rendering for multiple projects.
 - Coordination between different project engineering disciplines and clashes solving.
 - Site tasks including coordination between drawings and site engineering team as a consultant.
- Contact: Engineer. Malek kasje +966 593 915 208

Technical Engineer Onsite / Arnaout Contracting Establishment, Khobar

- Site supervision work is done according to the scheduled and required quality.
 - Developing solutions for different project systems clashes and discuss it with the team work.
 - Make sure that the project activities are within budget and schedule.
 - Performance have been increased by 5% during my supervision.
- Contact: Engineer. Omar Almontaser +966 533 596 377

FEB-2016 / JUL-2018

SENIOR ARCHITECT ASSISTANT / EDARH MIDWAY LIMITED

- NCB bank project design development and presentation.
 - Residential buildings for SHEIKH AL SUHAILY G+4+ROOF.
- Contact: Engineer. Raad Al-Sharif +966 509 006 113

Education

2014 - 2019

Degree of Bachelor of Building Engineering

Imam Abdulrahman Bin Faisal University (IAU)

Second Honor Degree Excellent GPA of (4.51/5).

Researches:

Facility management / Development of condition assessment model for hospital buildings based on post occupancy evaluation.

Building Acoustics / Study the effect of the nurse station form and shape on the acoustic properties of the patient's rooms in hospital buildings.

Achievements:

Design of architecture, structure, MEP, energy, and acoustical properties of a Hospital building as a graduation project, which has been chosen to juried in the presence of the Sherman of architecture and planning college. My projects during university were at the top 5% of the students, were highly scored.

Contact: Dr. Othman Subhi Al-Shamrani (Associate Professor) +966 548 008 002

Software skills

Microsoft Office (skilled)	● ● ● ● ● ●	Lumion(skilled)	● ● ● ● ● ●
Revit (skilled)	● ● ● ● ● ●	Sketchup(average)	● ● ● ● ● ○
AutoCAD(skilled)	● ● ● ● ● ●	Primavera p6 (fair)	● ● ● ● ○ ○
Navisworks(average)	● ● ● ● ● ○	Dialux Evo (average)	● ● ● ● ● ○
Etabs(fair)	● ● ● ● ○ ○	Odeon acoustic (fair)	● ● ● ● ○ ○
Design Builder (average)	● ● ● ● ● ○	Microsoft Project (fair)	● ● ● ● ○ ○

Language

English (fluent)	● ● ● ● ● ○	Arabic (Native)	● ● ● ● ● ●
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Certificates

- Member of Saudi Council of Engineers.
- Self-Development course.
- Autodesk Revit course.
- Attendance in GIS international conference.
- MEFMA workshop attended

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(BIM SPECIALIST)



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PORTFOLIO



Ahmad khreshi

CONTACT INFO.

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 Language: Arabic, English
 Email: ahmadnk050@gmail.com
 Contact No: +996-548-975-699
 Linked in: linkedin.com/in/ahmad-khreshi-859843bb

SKILLS

- Highly skilled using BIM software.
- High construction and designing skills.
- Excellent conceptual and analytical skills.
- Self-learning and development.

PROFILE

Detail-oriented Building Engineer with high experience in managing different phases of engineering operations and highly skilled using BIM software such as Autodesk Revit and other building simulation programs. Capable of handling multiple projects with minimum supervision. Motivated to offer the highest quality of services. have a good management and planning background and capable of Designing different projects type as well as planning and scheduling projects while construction.

EXPERIENCE (4 YEARS)

SINCE JAN 2020

BIM SPECIALIST ENGINEER

Omran Engineering Consultants, Riyadh

Contact: Eng. Mohammed Lal +966 595 499 200

JUNE 2019 - DEC 2019

Architectural Engineer

Emaar Gulf Eng. Cons. Office, AL-Ahsa

Contact: Eng. Malek kasje +966 593 915 208

JAN 2019 - MAY 2019

Technical Engineer Onsite

Arnaout Contracting Establish., Khobar

Contact: Eng. Omar Almontaser +966 533 596 377

Feb-2016 / Jul-2018

SENIOR ARCHITECT ASSISTANT

EDARH MIDWAY LIMITED

Contact: Eng. Raad Al-Sharif +966 509 006 113

EDUCATION

2014 - 2019 BATCH

DEGREE BACHELORS' OF BUILDING ENGINEERING

UNIVERSITY IMAM ABDULRAHMAN BIN FAISAL (IAU)

CGPA (4.51/5)
Second Honor Degree Excellence

RESEARCH Facility management / Development of condition assessment model for hospital buildings based on post occupancy evaluation.

Building Acoustics / Study the effect of the nurse station form and shape on the acoustic properties of the patient's rooms in hospital buildings.

CONTACT *Dr. Othman Subhi Al-Shamrani (Associate Professor)*
 +966 548 008 002

SOFTWARE SKILLS





**MATERNITY AND
PEDIATRIC HOSPITAL
PAGE (01)**



**HOUSING DEVELOPMENT
PROGRAM TAMIMI cont.
PAGE (05)**



**SHAPOORJI PALLONJI
CLADING KAFD PROJECT
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**MURCIA HOUSING
PROJECT
PAGE (12)**



**FIVE STARS HOTEL
PAGE (13)**



**TERMINAL BUS
STATION
PAGE (17)**



MATERNITY AND PEDIATRIC HOSPITAL

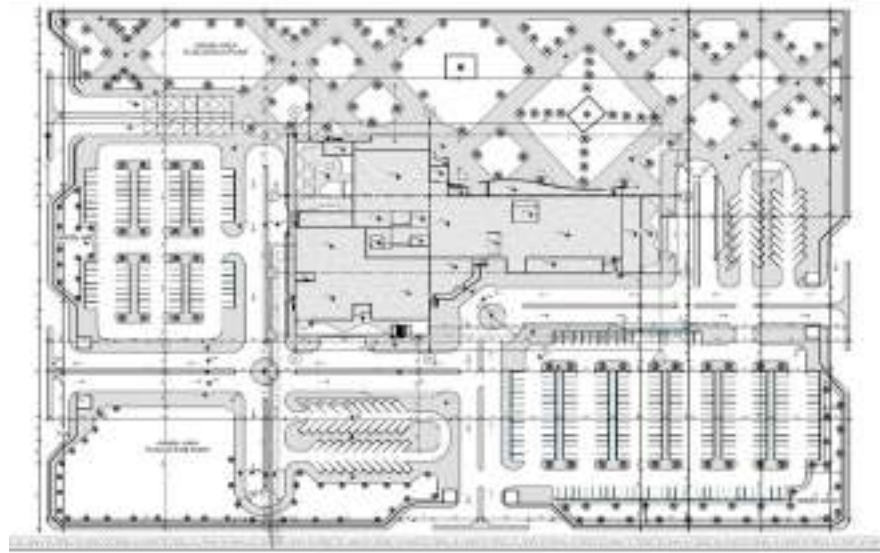
GENERAL INFORMATION

Location:	Dammam KSA
No. Floors:	Basement + 6 floors
Gross area:	9500 m ²
No. Beds	180 bed

SOFTWARES USED

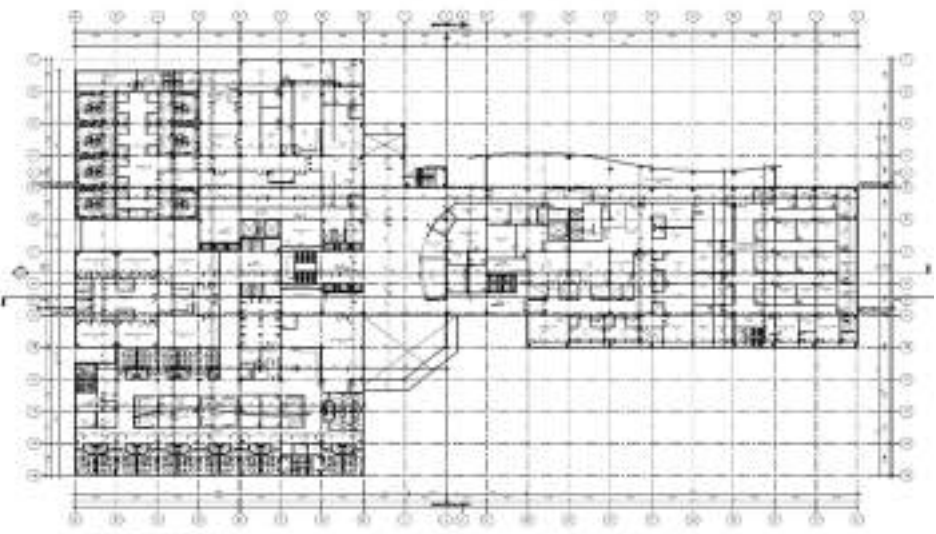
Revit	Arc, Str, MEP modeling and drawings sheets
Lumion:	3D rendering
DIALux Evo	Lighting simulation, Analysis & Calculations
Odeon	Acoustics properties Simulation & Analysis
Design builder	Building energy consumption analysis
Excel	STR, MEP Calculations



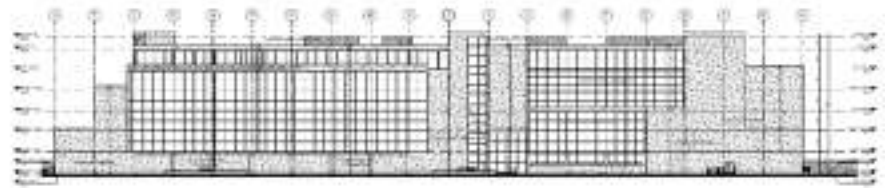


SITE PLAN

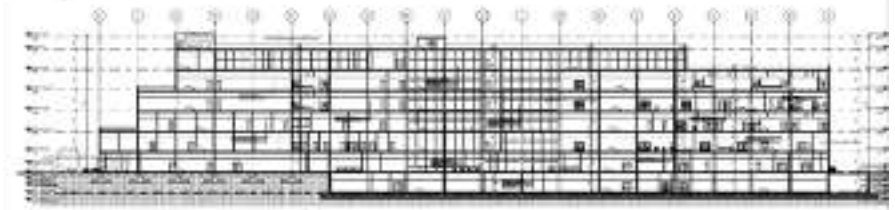
WALL	DOOR	WINDOW	STAIR	PO	PLANT	WELL	TOILET
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FIRST FLOOR PLAN



ELEVATIONS



SECTION

• Common challenges related to supporting

• One-Way Slab

Requires all columns within a slab to be aligned with the main supporting beams.



• Two-Way Slab

Requires all columns within a slab to be aligned with the main supporting beams.



• Reinforcement

For straight buildings with uniform column-to-KF 2 beam ratios, the reinforcement layout is regular and simple to construct.



• One-Way Slab

Requires all columns within a slab to be aligned with the main supporting beams.



• Two-Way Slab

Requires all columns within a slab to be aligned with the main supporting beams.



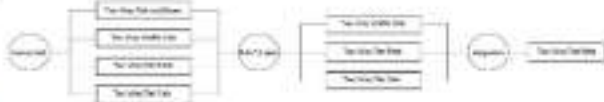
• Two-Way Slab and Beam

Requires all columns within a slab to be aligned with the main supporting beams.



• Two-Way Slab

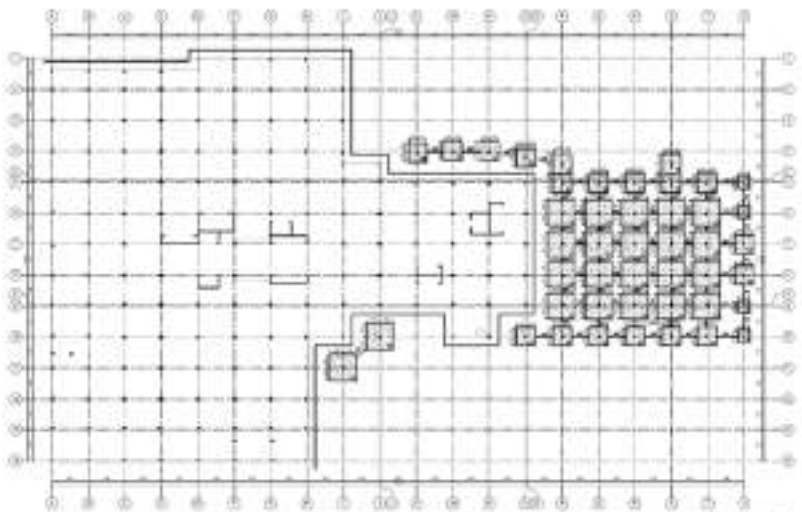
Requires all columns within a slab to be aligned with the main supporting beams.



• Limitation

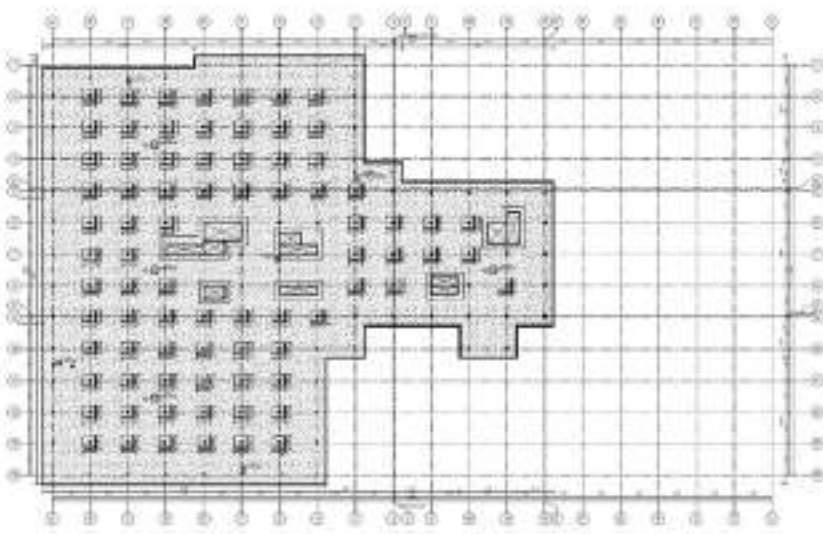
• Two-Way Slab with Beam: Full column must and cover a span of 4.4:1 and its a great system in regular building that is to be built in regular in the system which requires enough space to locate many columns to form about the entire system and transfer top.

STRUCTURE SYSTEM BEL

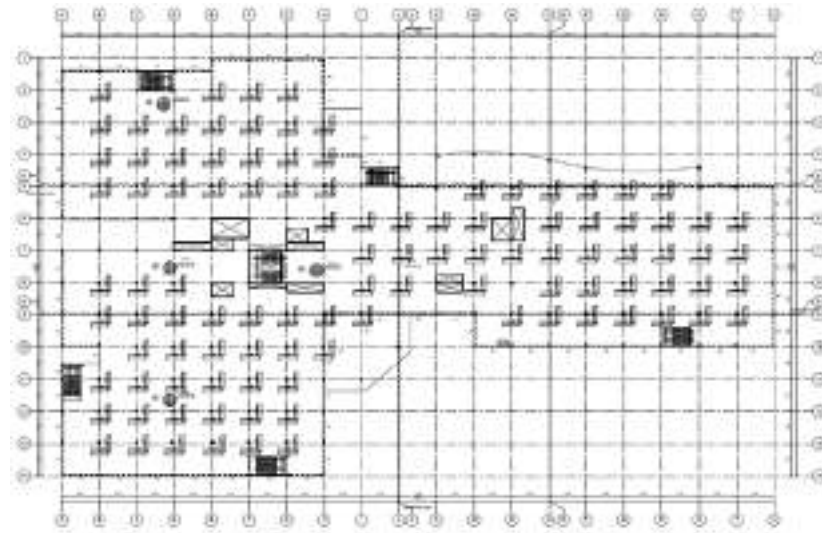


Room No.	Room Name	Area (sqm)	Volume (cu m)
101	Room	10.0	30.0
102	Room	10.0	30.0
103	Room	10.0	30.0
104	Room	10.0	30.0
105	Room	10.0	30.0
106	Room	10.0	30.0
107	Room	10.0	30.0
108	Room	10.0	30.0
109	Room	10.0	30.0
110	Room	10.0	30.0
111	Room	10.0	30.0
112	Room	10.0	30.0
113	Room	10.0	30.0
114	Room	10.0	30.0
115	Room	10.0	30.0
116	Room	10.0	30.0
117	Room	10.0	30.0
118	Room	10.0	30.0
119	Room	10.0	30.0
120	Room	10.0	30.0
121	Room	10.0	30.0
122	Room	10.0	30.0
123	Room	10.0	30.0
124	Room	10.0	30.0
125	Room	10.0	30.0
126	Room	10.0	30.0
127	Room	10.0	30.0
128	Room	10.0	30.0
129	Room	10.0	30.0
130	Room	10.0	30.0
131	Room	10.0	30.0
132	Room	10.0	30.0
133	Room	10.0	30.0
134	Room	10.0	30.0
135	Room	10.0	30.0
136	Room	10.0	30.0
137	Room	10.0	30.0
138	Room	10.0	30.0
139	Room	10.0	30.0
140	Room	10.0	30.0
141	Room	10.0	30.0
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143	Room	10.0	30.0
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145	Room	10.0	30.0
146	Room	10.0	30.0
147	Room	10.0	30.0
148	Room	10.0	30.0
149	Room	10.0	30.0
150	Room	10.0	30.0
151	Room	10.0	30.0
152	Room	10.0	30.0
153	Room	10.0	30.0
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165	Room	10.0	30.0
166	Room	10.0	30.0
167	Room	10.0	30.0
168	Room	10.0	30.0
169	Room	10.0	30.0
170	Room	10.0	30.0
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172	Room	10.0	30.0
173	Room	10.0	30.0
174	Room	10.0	30.0
175	Room	10.0	30.0
176	Room	10.0	30.0
177	Room	10.0	30.0
178	Room	10.0	30.0
179	Room	10.0	30.0
180	Room	10.0	30.0
181	Room	10.0	30.0
182	Room	10.0	30.0
183	Room	10.0	30.0
184	Room	10.0	30.0
185	Room	10.0	30.0
186	Room	10.0	30.0
187	Room	10.0	30.0
188	Room	10.0	30.0
189	Room	10.0	30.0
190	Room	10.0	30.0
191	Room	10.0	30.0
192	Room	10.0	30.0
193	Room	10.0	30.0
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196	Room	10.0	30.0
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200	Room	10.0	30.0

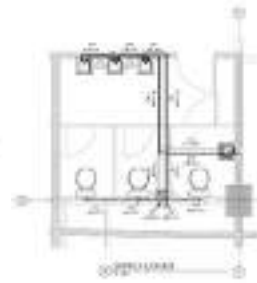
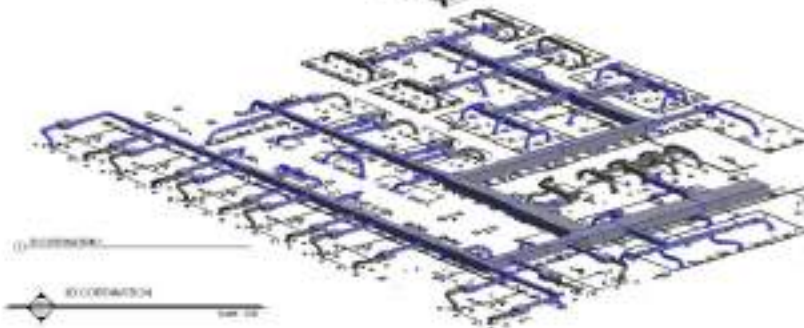
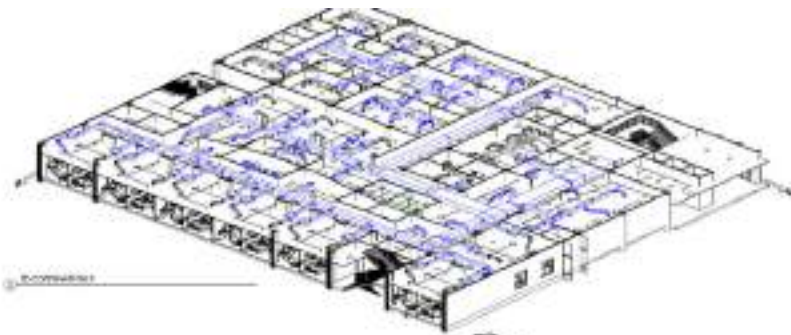
ISOLATED FOOTING



PIST FOUNDATION



SECOND FLOOR PLAN



GENERAL INFORMATION

Project Name	MEP & Fire Fighting
Client	Health Services
Site Address	Health Services
Project Manager	Health Services
Design Team	Health Services

MEP & FIRE FIGHTING

MEP System	Health Services
Fire Fighting System	Health Services

BUILDING DATA

MEP & FIRE FIGHTING SYSTEMS

MEP & FIRE FIGHTING SYSTEMS

MECHANICAL ROOM LAYOUT AND SYSTEMS

MECHANICAL ROOM LAYOUT AND SYSTEMS

GENERAL INFORMATION

INTRODUCTION

MEP & FIRE FIGHTING SYSTEMS

MEP & FIRE FIGHTING

MEP & FIRE FIGHTING

MEP & FIRE FIGHTING

CONCLUSION

MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING	MEP & FIRE FIGHTING

MONTHLY ENERGY CONSUMPTION

Month	Energy Consumption
Jan	1000
Feb	1200
Mar	1500
Apr	1800
May	2000
Jun	2200
Jul	2500
Aug	2800
Sep	2500
Oct	2000
Nov	1500
Dec	1000

ANNUAL ENERGY CONSUMPTION

Energy	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING
MEP & FIRE FIGHTING	MEP & FIRE FIGHTING

ANNUAL ENERGY CONSUMPTION

PEAK ENERGY CONSUMPTION

Month	Peak Energy Consumption
Jan	1000
Feb	1200
Mar	1500
Apr	1800
May	2000
Jun	2200
Jul	2500
Aug	2800
Sep	2500
Oct	2000
Nov	1500
Dec	1000



HOUSING DEVELOPMENT PROGRAM TAMIMI cont.

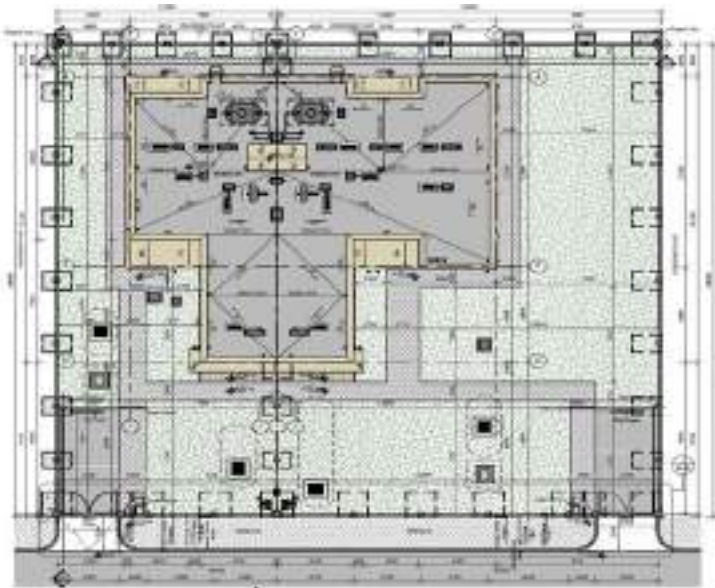
GENERAL INFORMATION

Location: AL-ahsa KSA
 Designed: 14 Prototypes
 Contractor: Tamimi
 No. Units 350 unit

SOFTWARES USED

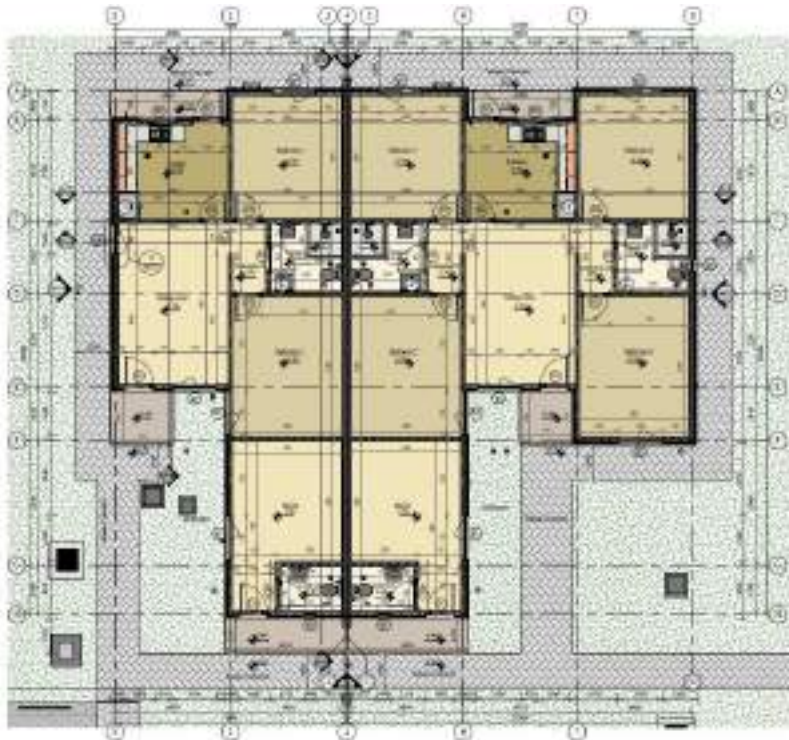
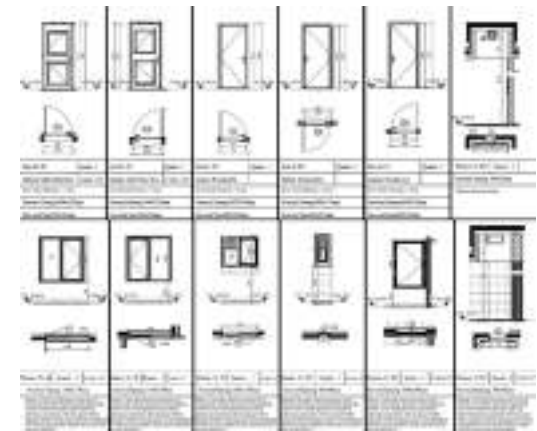
Revit Arc, Str, MEP modeling and drawings sheets
 Lumion: 3D rendering

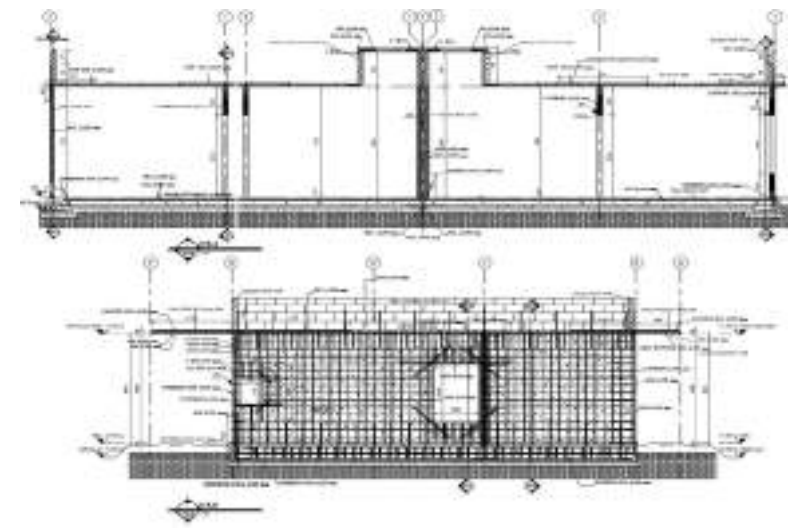
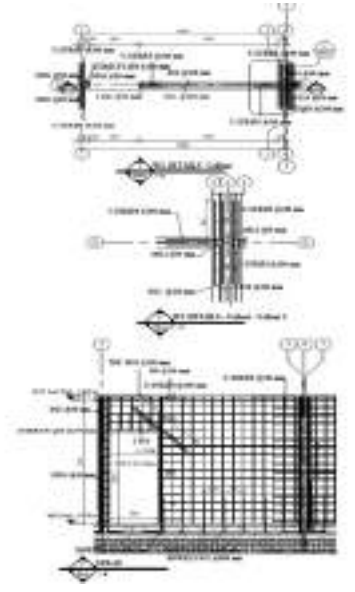
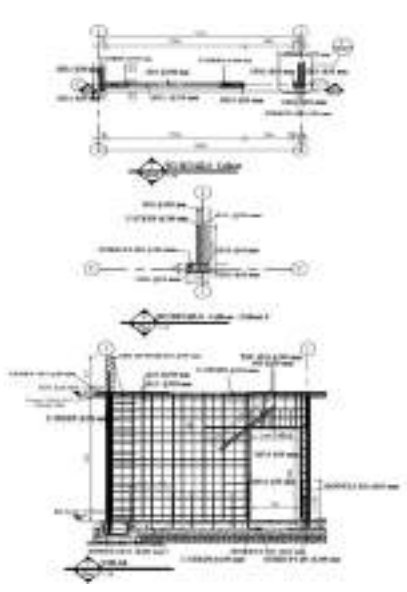
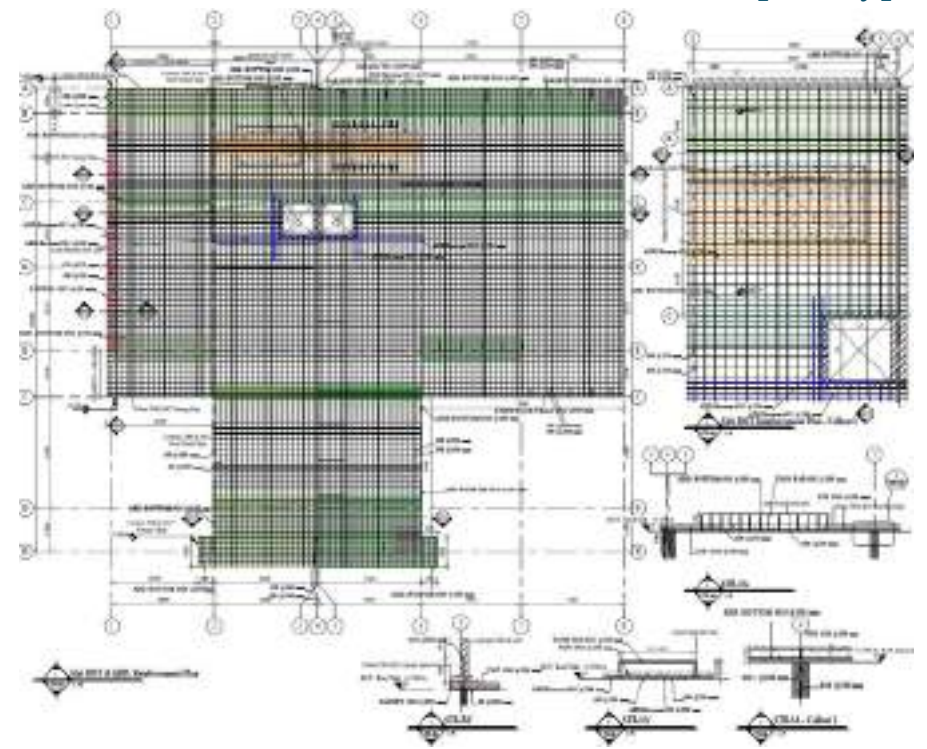
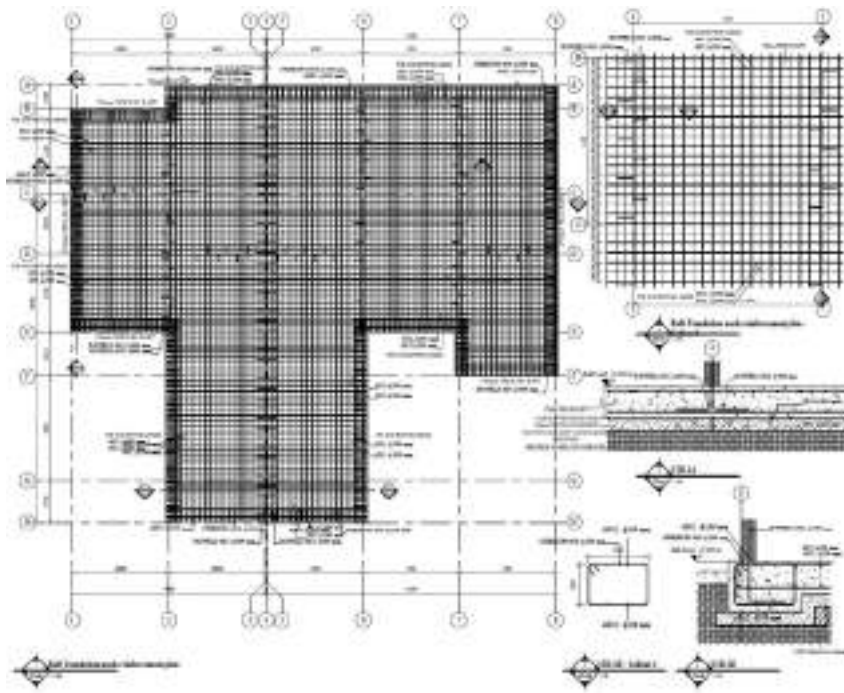


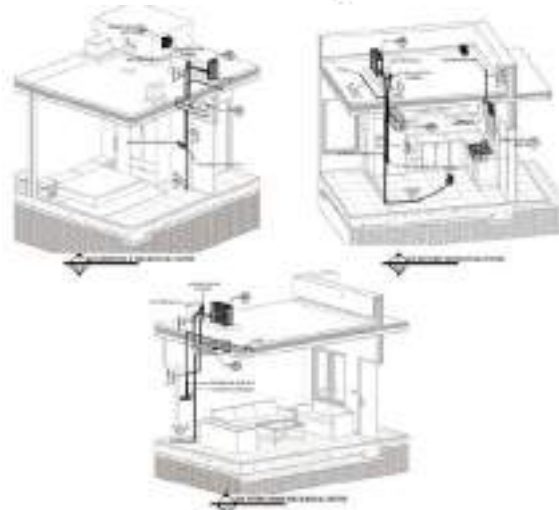
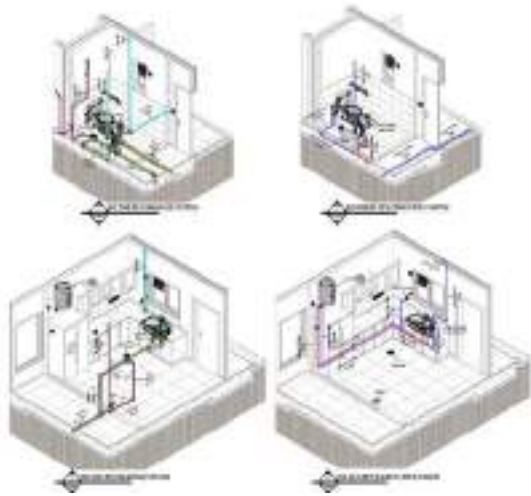
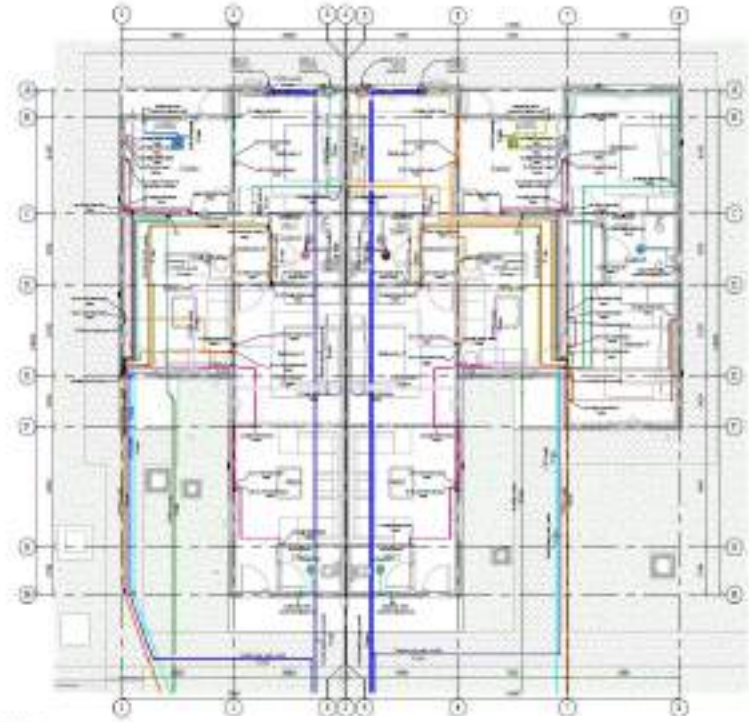
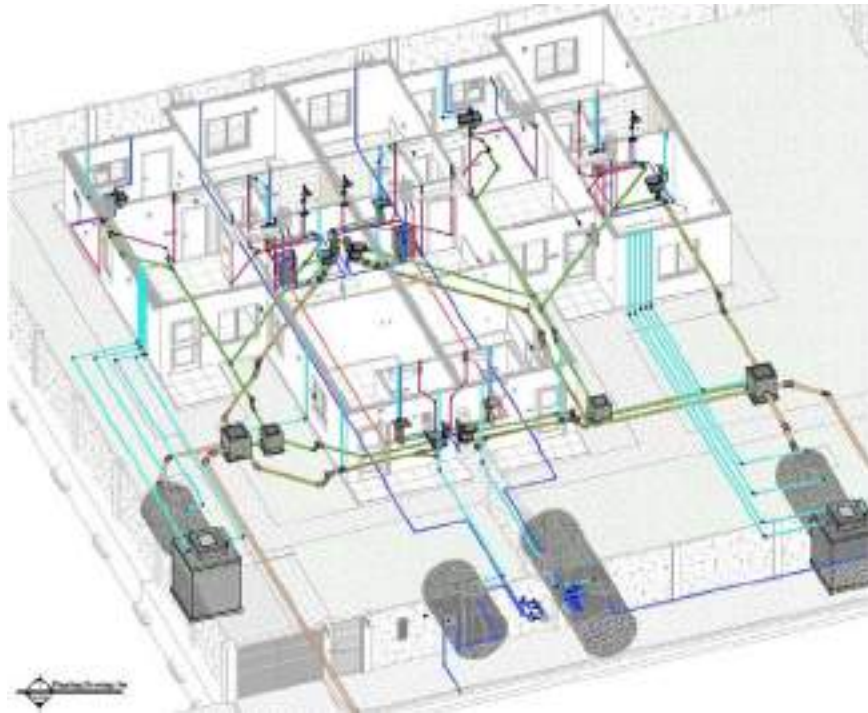


Room Finishes Schedule

No.	Room	Area	Work	Floor Finish	Wall Finish
1	Entrance Hall	1.20	1000	Polished Marble	Polished Marble
2	Corridor	1.20	1000	Polished Marble	Polished Marble
3	Reception	1.20	1000	Polished Marble	Polished Marble
4	Waiting	1.20	1000	Polished Marble	Polished Marble
5	Waiting	1.20	1000	Polished Marble	Polished Marble
6	Waiting	1.20	1000	Polished Marble	Polished Marble
7	Waiting	1.20	1000	Polished Marble	Polished Marble
8	Waiting	1.20	1000	Polished Marble	Polished Marble
9	Waiting	1.20	1000	Polished Marble	Polished Marble
10	Waiting	1.20	1000	Polished Marble	Polished Marble
11	Waiting	1.20	1000	Polished Marble	Polished Marble
12	Waiting	1.20	1000	Polished Marble	Polished Marble
13	Waiting	1.20	1000	Polished Marble	Polished Marble
14	Waiting	1.20	1000	Polished Marble	Polished Marble
15	Waiting	1.20	1000	Polished Marble	Polished Marble
16	Waiting	1.20	1000	Polished Marble	Polished Marble
17	Waiting	1.20	1000	Polished Marble	Polished Marble
18	Waiting	1.20	1000	Polished Marble	Polished Marble
19	Waiting	1.20	1000	Polished Marble	Polished Marble
20	Waiting	1.20	1000	Polished Marble	Polished Marble







Architectural Finishes-Beige theme

Exterior paint



Architectural Finishes-Beige theme

Walls Tiles Layout

Water Walls (10)



Architectural Finishes-Beige theme

Floor Tiles

Living, Migs, Bedrooms, Kitchen



Architectural Finishes-Gray theme

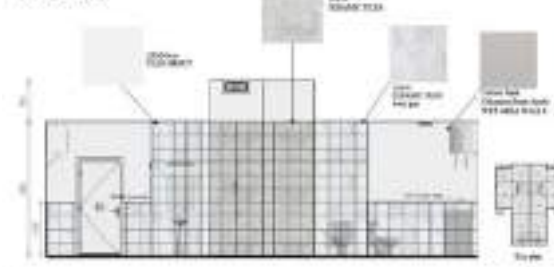
Exterior paint



Architectural Finishes-Gray theme

Walls Tiles Layout

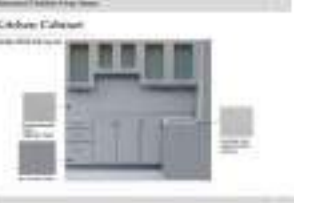
Water Walls (1)

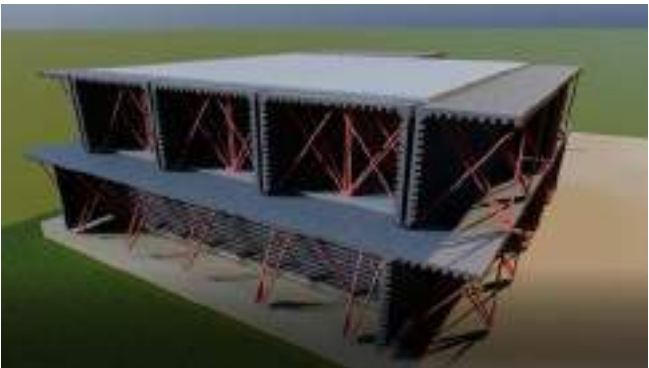
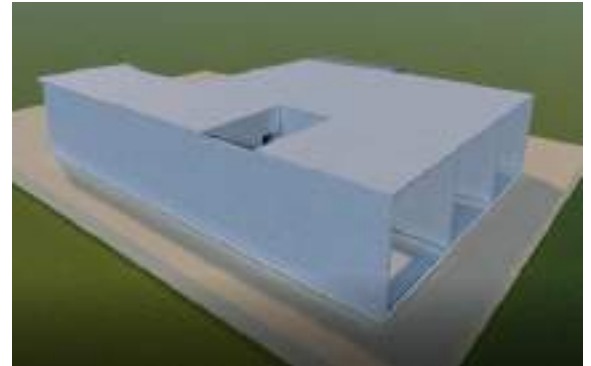
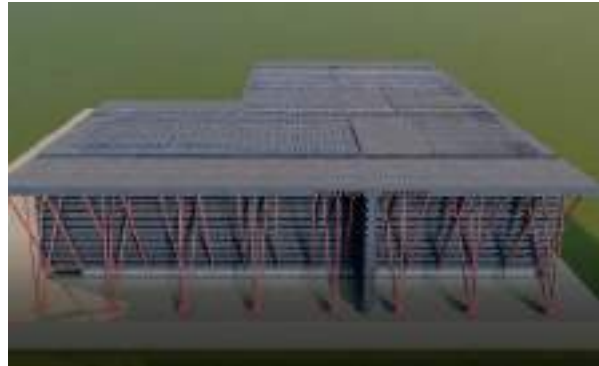
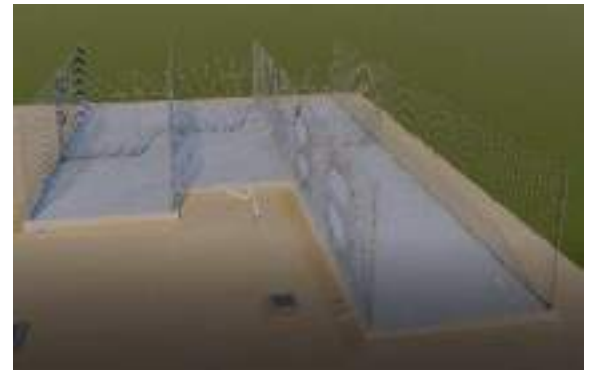
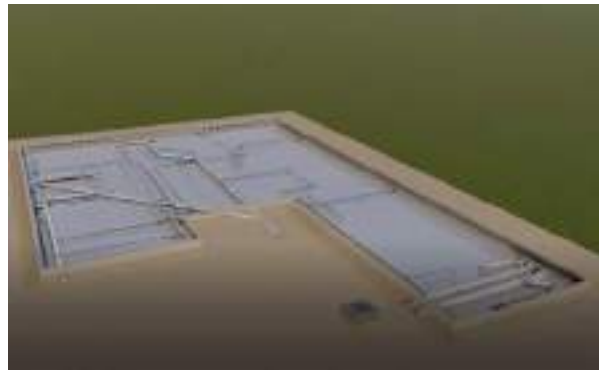


Architectural Finishes-Gray theme

Floor Tiles

Living, Migs, Bedrooms, Kitchen







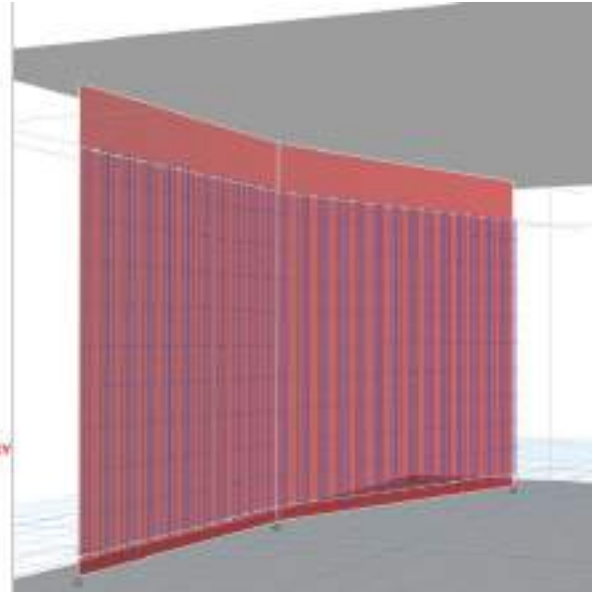
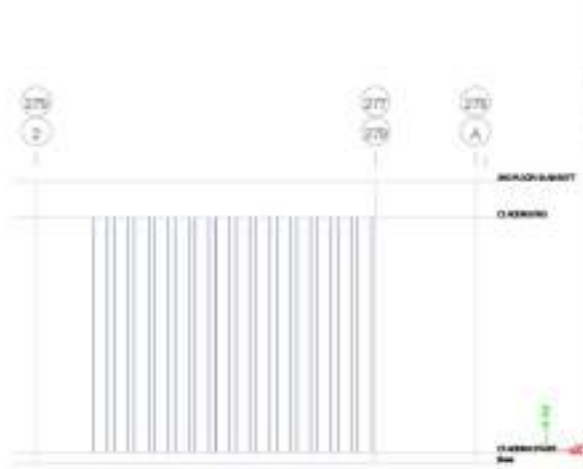
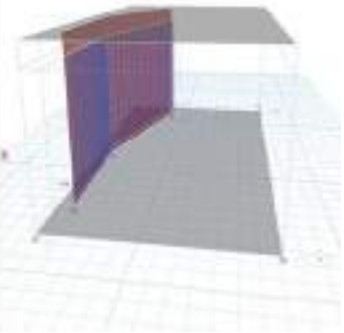
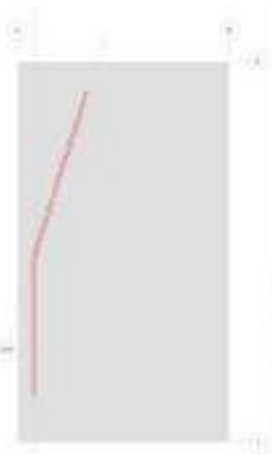
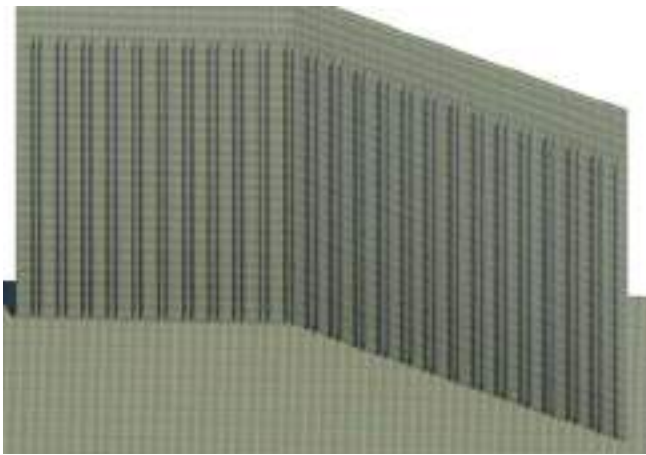
SHAPOORJI PALLONJI CLADDING IN KAFD PROJECT

GENERAL INFORMATION

Location: RIYADH KSA
Designed: STR. CLADDING
Contractor: shapoorji pallonji

SOFTWARES USED

Revit
Modeling and
Exporting accurate
structure system model
in ETABS for the
structure engineer





MURCIA HOUSING PROJECT

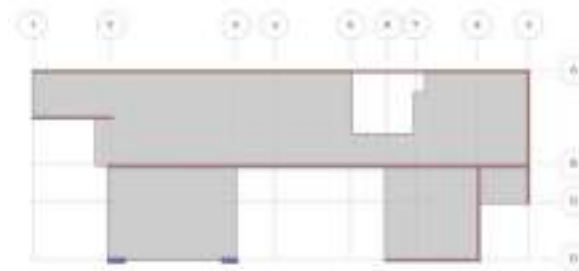
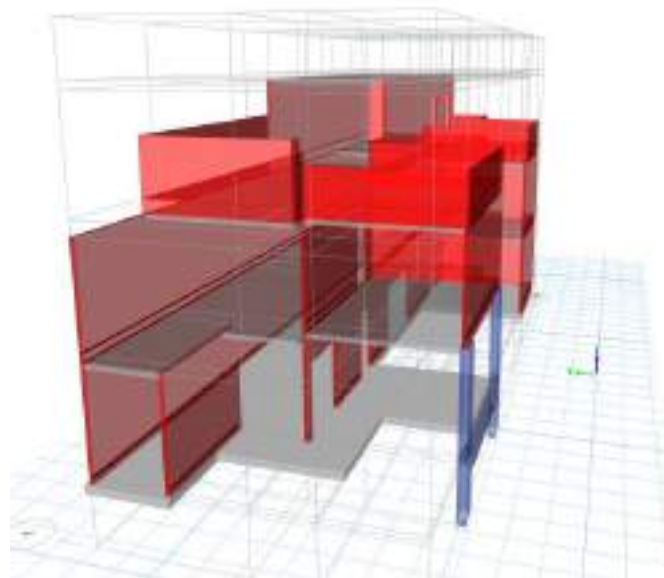
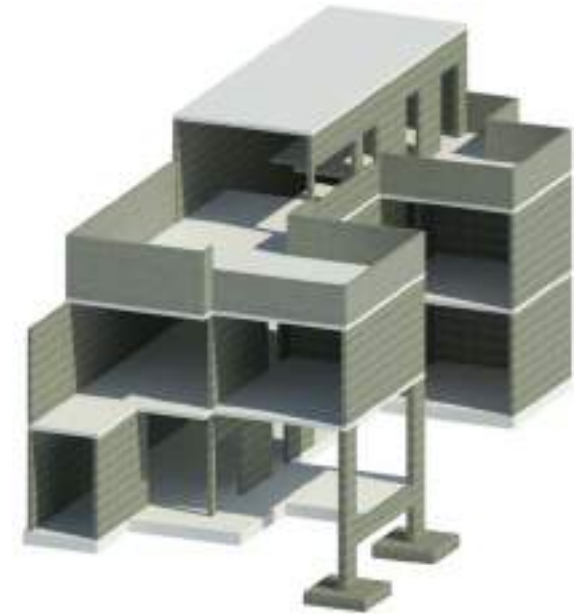
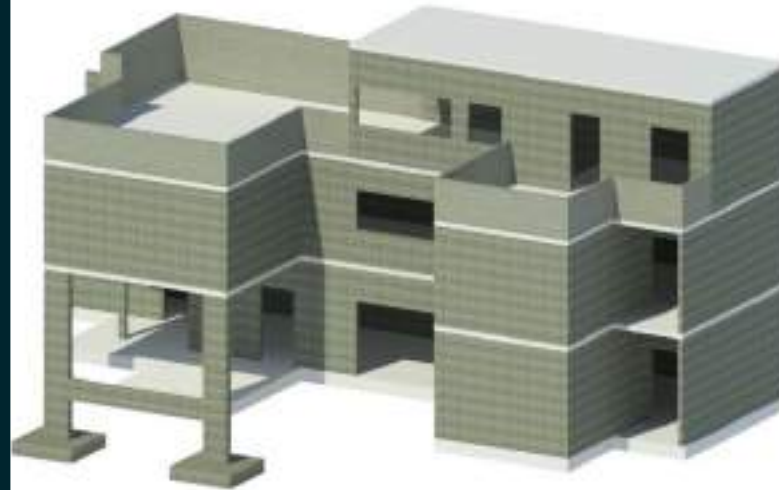
GENERAL INFORMATION

Location: RIYADH KSA
 Designed: STR. SYSTEM
 Contractor: Tamimi

SOFTWARES USED

Revit

Modeling and
 Exporting accurate
 structure system model
 in ETABS for the
 structure engineer





FIVE STARS HOTEL

GENERAL INFORMATION

Location:	AL Khobar KSA
No. Floors:	4 floors
Gross area:	5265m ²
No. Rooms	105 Room

SOFTWARES USED

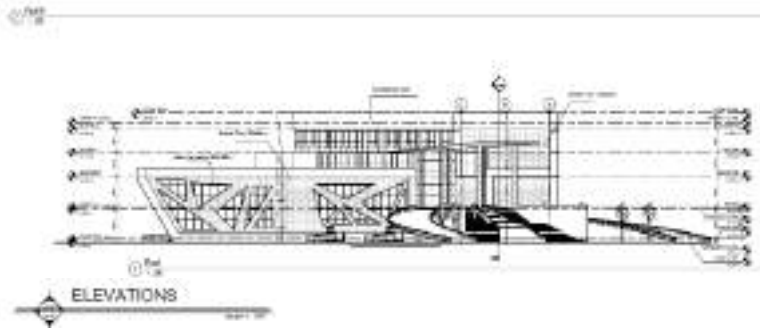
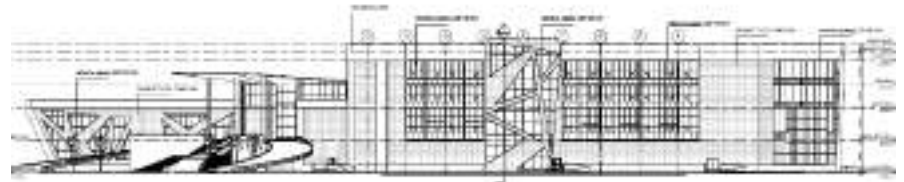
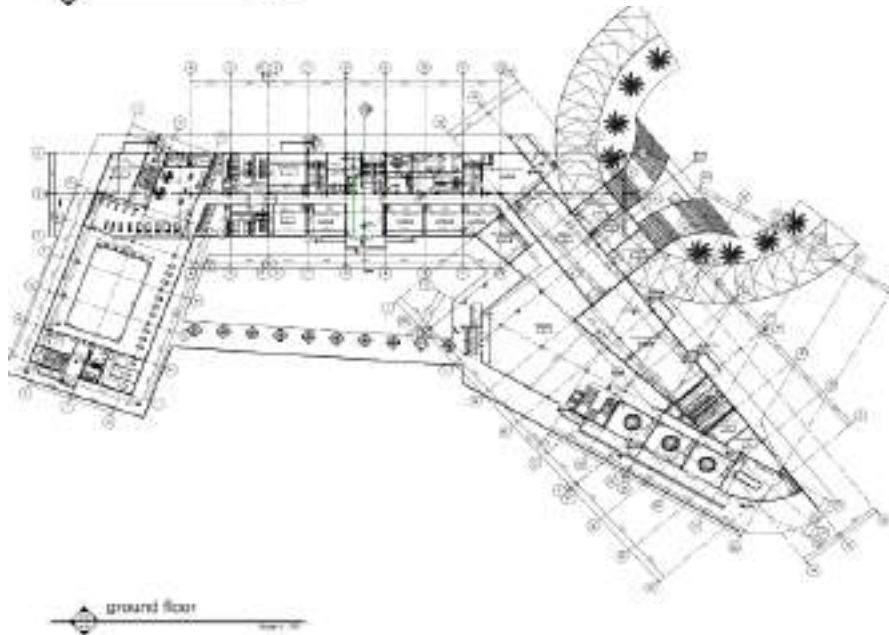
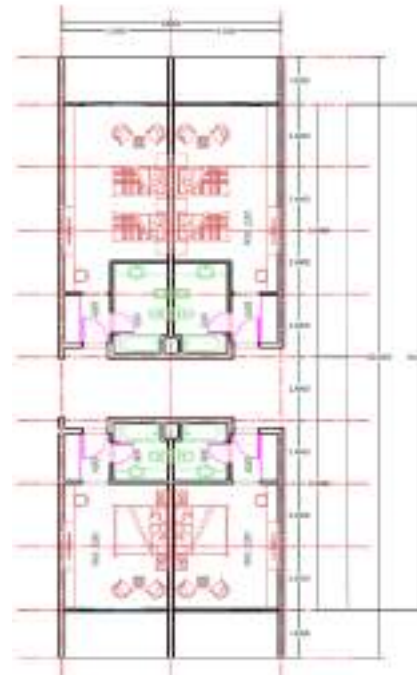
Revit	Arc, Str, MEP modeling and drawings sheets
Lumion:	3D rendering
DIALux Evo	Lighting simulation, Analysis & Calculations
STAAD Pro	structure simulation and calculations
Eqest	Building energy consumption analysis
Excel	STR, MEP Calculations

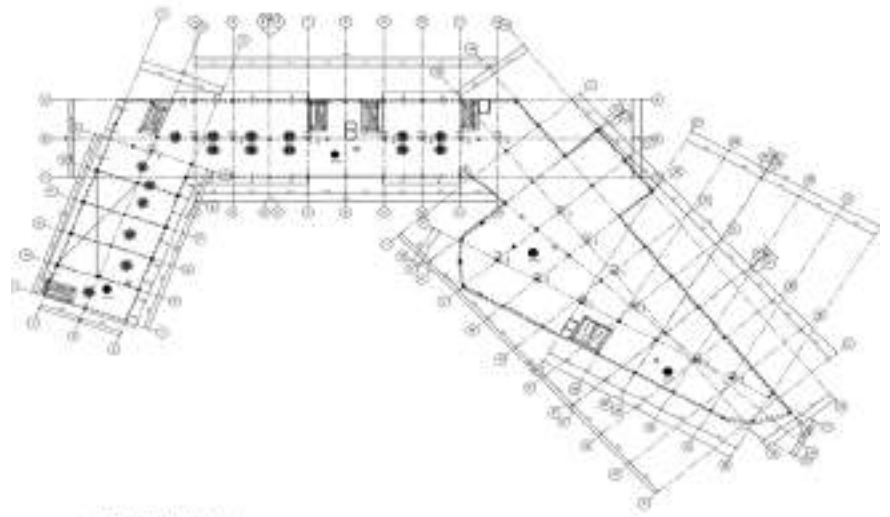
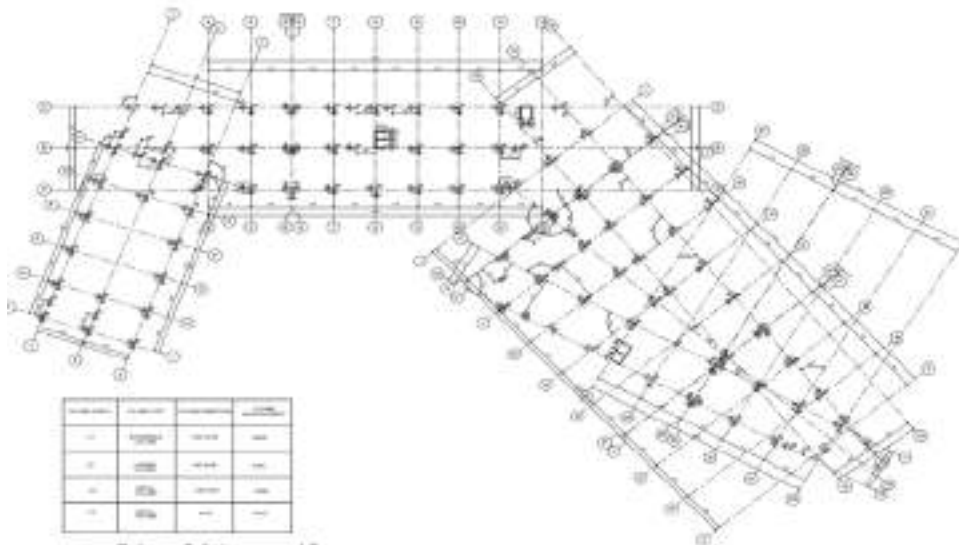
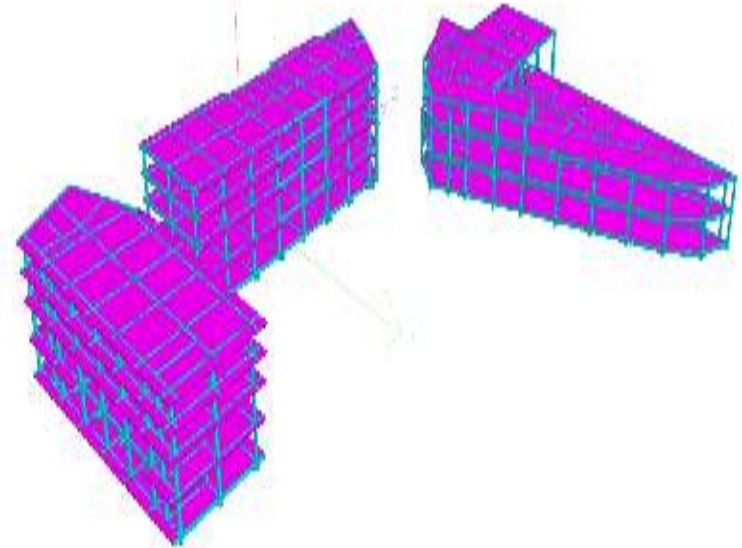
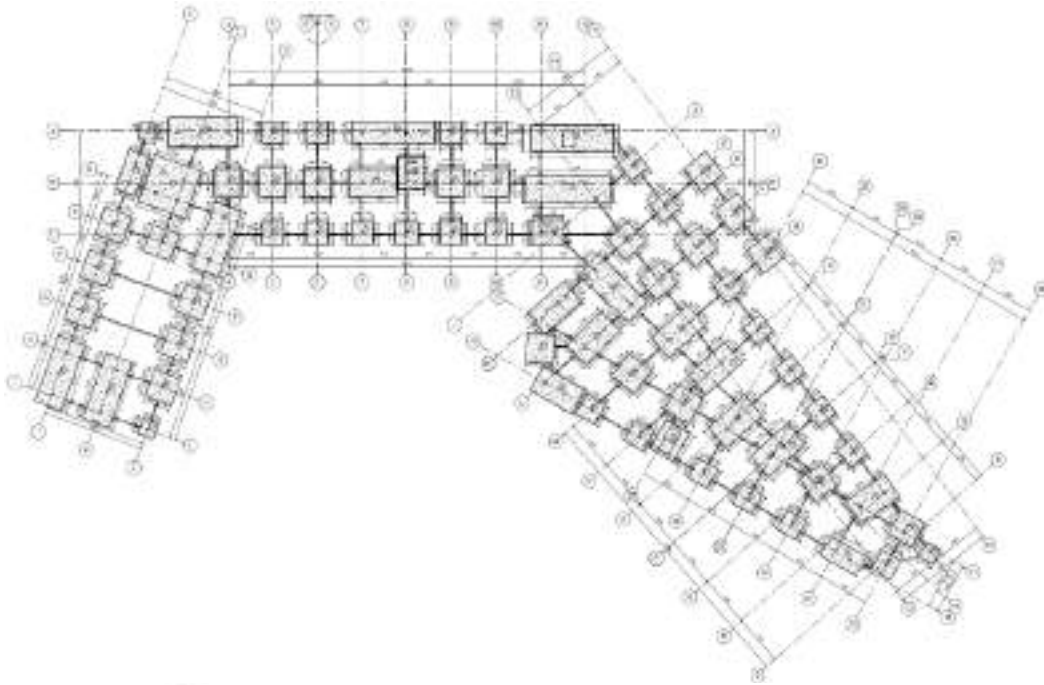




LEGEND:

SYMBOL	DESCRIPTION
	PARK TREE
	CAR
	ELEVATION MARK
	START POINT
	REFINANCE POINT
	WELL
	CONCRETE





Column & Axis ground floor

Framing first floor

GENERAL INFORMATION

PROJECT NO.	MEP-001
CLIENT	ABC COMPANY
PROJECT ADDRESS	123 STREET, CITY
DATE	2023-10-27
DESIGNER	XYZ ENGINEERING
SCALE	1:100



BUILDING ZONING



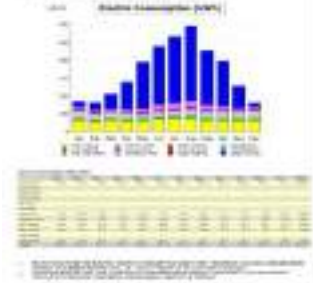
Building zoning information and compliance details. Includes zoning code, permitted uses, and maximum building height.

MECHANICAL ROOM LOCATION AND SYSTEMS INFO



Information regarding the location and systems of mechanical rooms, including equipment specifications and room dimensions.

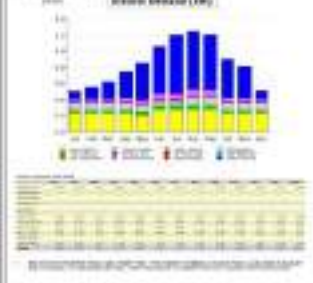
MONTHLY ENERGY CONSUMPTION



ANNUAL ENERGY CONSUMPTION



DETAILED ENERGY CONSUMPTION



INDOOR CLIMATE LIMITATION



BASES CLIMATE DATA COMPARISON



BASES CLIMATE DATA COMPARISON



BASES CLIMATE DATA COMPARISON



FLOOR PLAN



MECHANICAL ROOM LOCATION

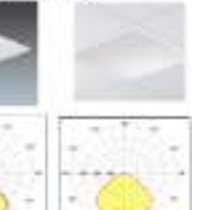


Room No.	Area (sqm)	Volume (m³)	Capacity (pax)	Notes
A-1	120	1200	50	Ballroom
A-2	150	1500	60	Ballroom
A-3	180	1800	70	Ballroom
A-4	200	2000	80	Ballroom
A-5	220	2200	90	Ballroom
A-6	250	2500	100	Ballroom
A-7	280	2800	110	Ballroom
A-8	300	3000	120	Ballroom
A-9	320	3200	130	Ballroom
A-10	350	3500	140	Ballroom

FLOOR PLAN



MECHANICAL ROOM LOCATION





TERMINAL BUS STATION

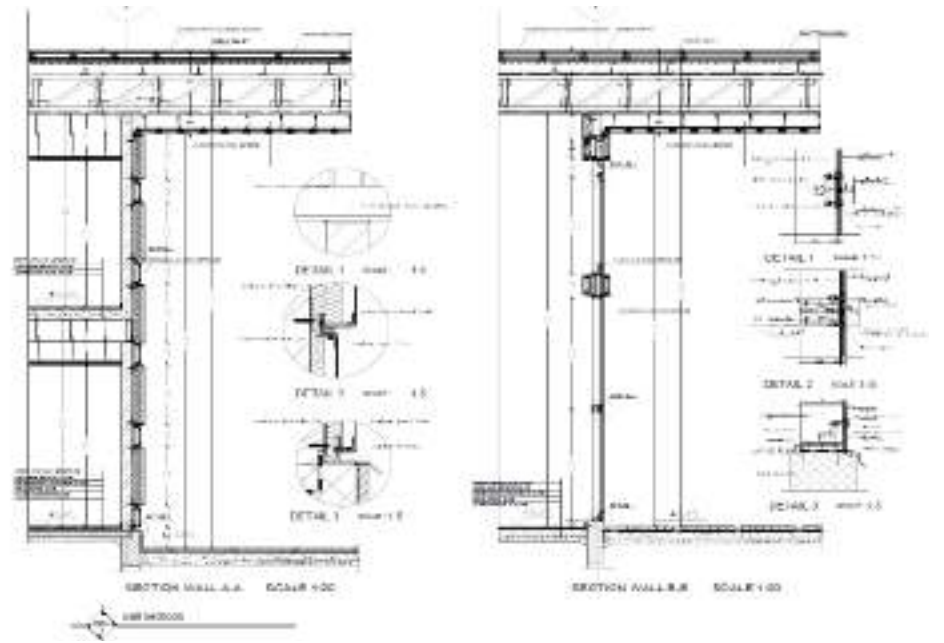
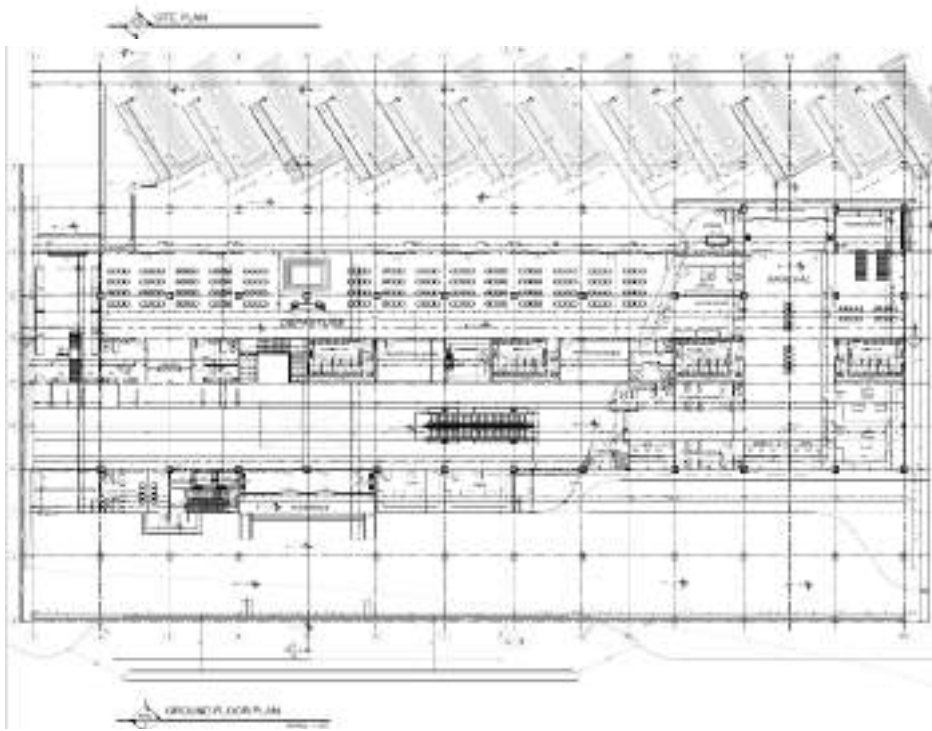
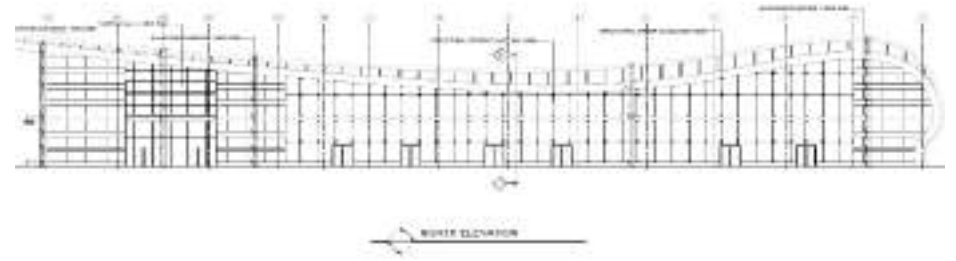
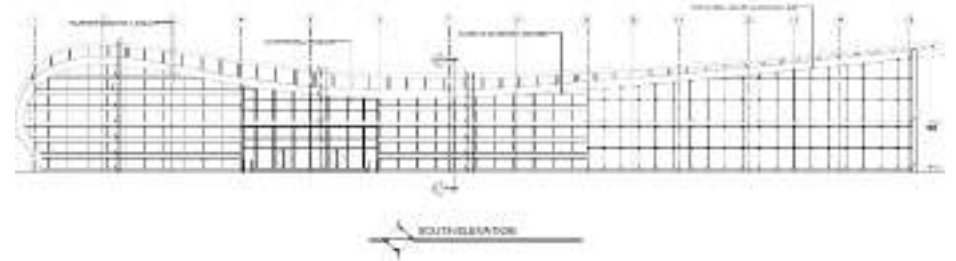
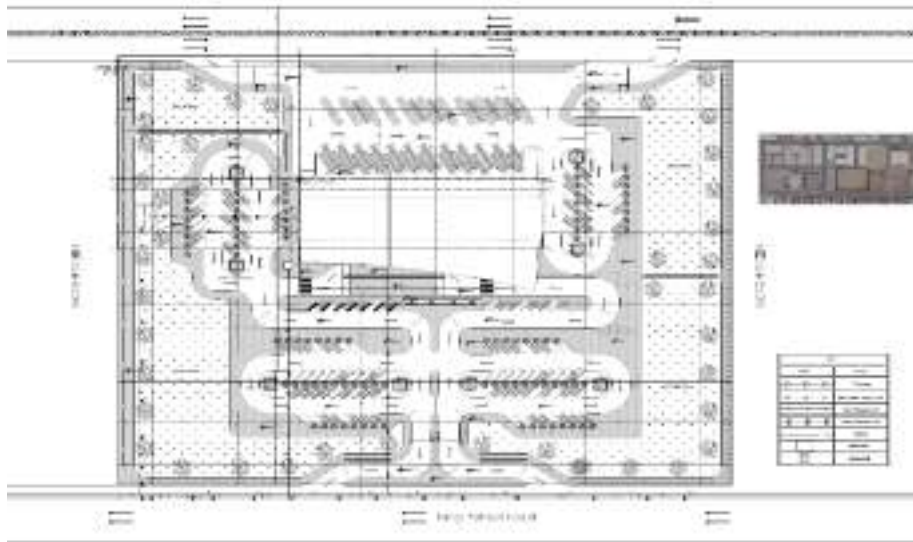
GENERAL INFORMATION

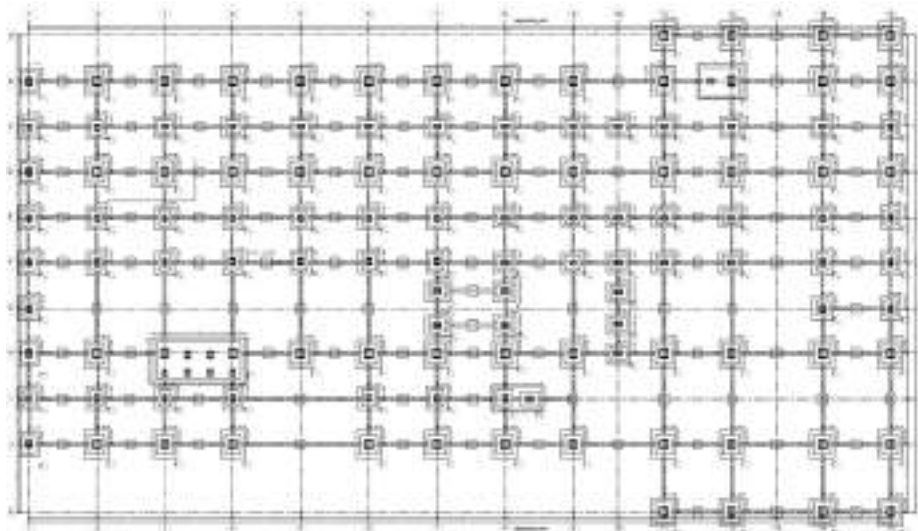
Location: Dammam KSA
 No. Floors: 1 floors+mezzanine
 Gross area: 2582m²

SOFTWARES USED

Revit Arc, Str, MEP modeling and drawings sheets
 Lumion: 3D rendering
 Excel STR, MEP Calculations







WALL DIMENSIONS

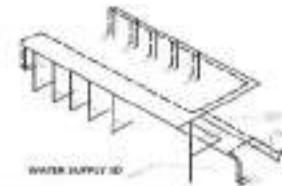
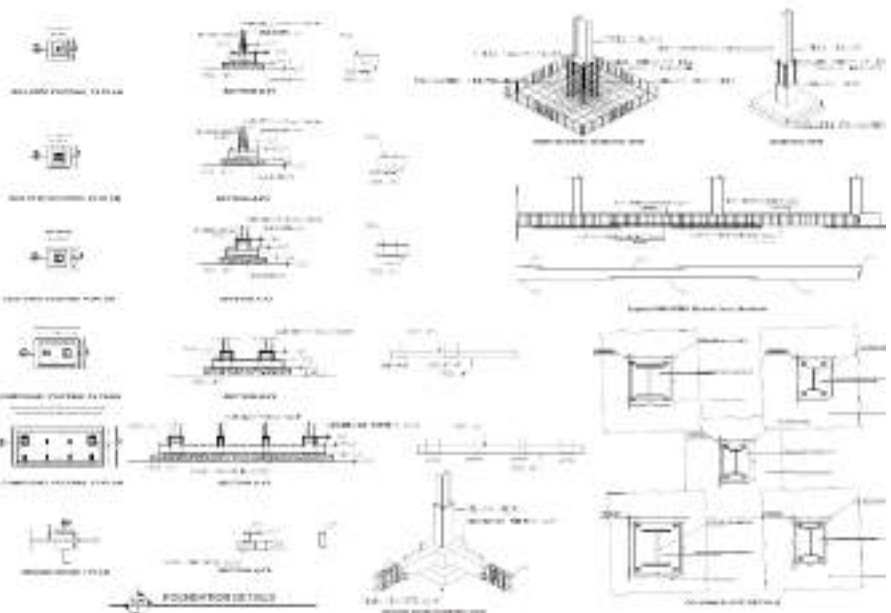
WALL NO.	WALL TYPE	THICKNESS	HEIGHT	AREA
W1	200	0.30	3.00	-

WALL WEIGHTS

WALL NO.	WALL TYPE	THICKNESS	HEIGHT	AREA	WEIGHT
W1	200	0.30	3.00	0.90	1.80
W2	200	0.30	3.00	0.90	1.80
W3	200	0.30	3.00	0.90	1.80

WALL PERIMETERS

WALL NO.	WALL TYPE	THICKNESS	PERIMETER	WEIGHT
W1	200	0.30	12.00	3.60
W2	200	0.30	12.00	3.60
W3	200	0.30	12.00	3.60



CONNECTION FROM GALLON TO CLEAN WATER
 2000 X 6.000 (H=0.00) TANK DIMENSIONS: 20.00 X 10.00
 RISE FROM SLAB: 0.300 (H=0.30) TANK DIMENSIONS: 20.00 X 10.00 X 2.00
 TANK HEIGHT: 2.00

LIST OF CONNECTIONS

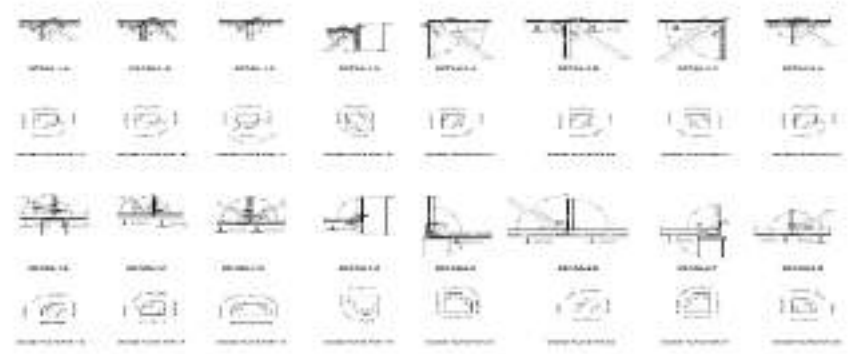
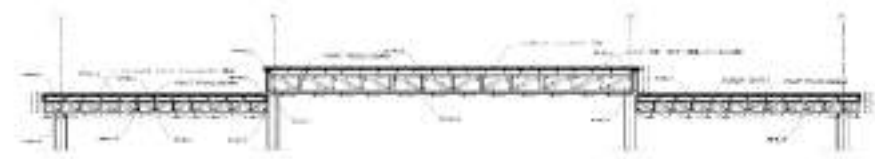
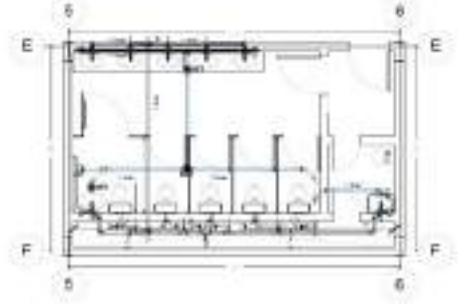
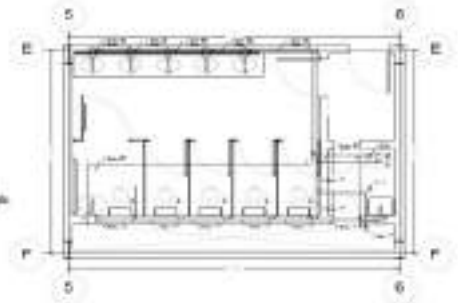
NO.	DESCRIPTION	QUANTITY	UNIT
1
2
3

LIST OF CONNECTIONS (CONTINUED)

NO.	DESCRIPTION	QUANTITY	UNIT
4
5
6

LIST OF CONNECTIONS (CONTINUED)

NO.	DESCRIPTION	QUANTITY	UNIT
7
8
9





THANK YOU

PORTFOLIO

DONE BY:

Ahmad khreshi
Architectural Engineer
(BIM SPECIALIST)



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