

WRENZE STEEL

STEEL STRUCTURE ENGINEERS



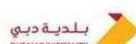
RELIABLE ECONOMIC DESIGN

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Dubai - UAE





ABOUT US

**WRENZE STEEL**

STEEL STRUCTURE ENGINEERS

We as Wrenze Steel Engineering which is the market name for Wrenze & Partners L.L.C are specialized team who invested and utilize the engineering knowledge and experience in the structural steel constructions industry since many years in UAE region to help the contractors ,consultants and steel fabricators to perform the engineering part that's associated to the steel scope of work for mutual benefits, with aid of our experience we help also the contractors and the clients to achieve the optimized weight and most economical design of the structure taking into consideration the engineering requirement and the safe design limitations. Since we believe in experience, we believe in specialization so that each of our team members is specialized and expert in a particular part of the project to ensure the reliability and responsibility of any part of the project to deliver the precise results to our clients.





OUR DESIGN PHILOSOPHY

• Reliable Design

We support our clients to estimate their steel structure projects by minimizing the cost and preform a preliminary design during their bidding stage to achieve the minimum weight and fabrication cost of the structure.

Structure Requirements

- Clients Requirements
- Engineering consultant Requirements and Architectural Drawings
- Construction Site Conditions
- Structure Application
- Zone Territory Type
- Optimum Structural System Truss, Pitch Angle, Span, Frame Space Type, Stability System, Connections Typeetc

• Economic Design

We support our clients to estimate their steel structure projects by minimizing the cost and preform a preliminary design during their bidding stage to achieve the minimum weight and fabrication cost of the structure.

Engineering Requirements

- International Engineering Codes
- Local Municipality Regulations
- Consultant Recommendations
- Limit State Design
- Ultimate Limit State
- Serviceability Limit State
- Lower Materials Grade
- Integration and Coordination With other Engineering Services



Construction Requirements

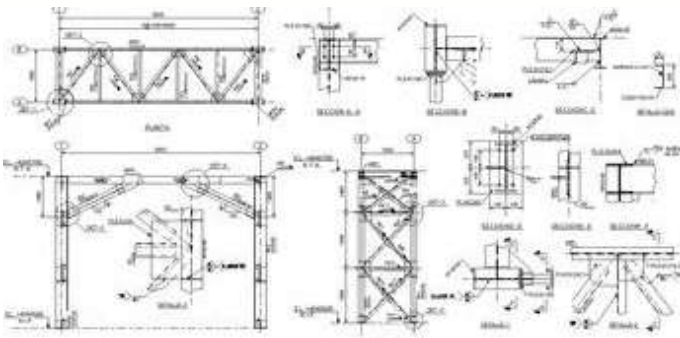
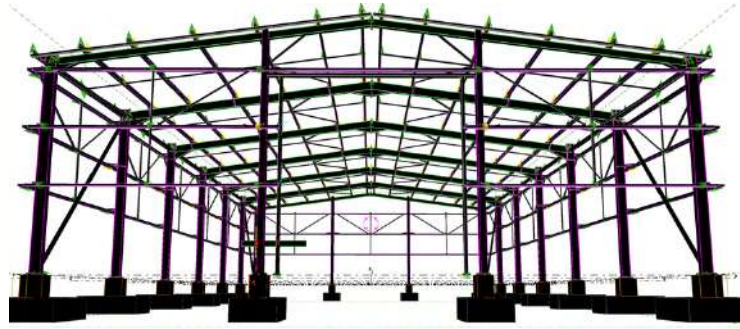
- Reducing Assembly Weight to be Handled By Cranes
- Reducing Bolts No. in the Connections
- Avoiding Complex Connections and Site Welding
- Reducing Footing Size by Reducing the Steel Take-off and End Support Type.

Fabrication Requirements

- Steel Sections Stock Availability
- Materials Waste Optimizing
- Materials Weld-ability
- Minimizing Complex Connections
- Reducing Welded joints
- Materials Transportation Considerations
- Adapting Hot Rolled Sections Instead of Built Up Sections

- **Structural Steel Design**

Wrenze Steel always offers the best structural steel design services by employing the design and engineering experience and knowledge that is formed by our team assets, following the local municipality regulations under the umbrella of the international codes e.g. American, British and euro to achieve the most reliable and most effective design solutions.

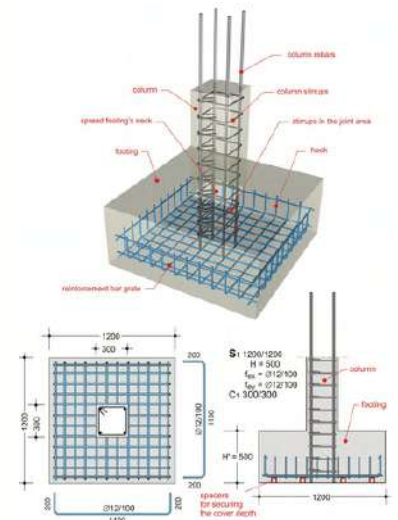


- **Foundation Design**

As a part of our job, we consider the foundations of the structure is very important to us since our team knows well the behaviour of the structure and based on that will determine the behaviour of the foundations..

- **Detailing and Shop Drawings**

We produce fabrication drawings to the fabricators to guide them during the fabrication stage and to ship their materials, our team of detailers takes the accuracy as the first priority in their job.



- **Quantity Estimation**

We support our clients to estimate their steel structure projects by minimizing the cost and preform a preliminary design during their bidding stage to achieve the minimum weight and fabrication cost of the structure.

PROPOSED ABCD REGENCY COLOMBO HOTEL AT 116, GALLE ROAD, COLOMBO 06.					
No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT - SLRs
	<u>HORIZONTAL & VERTICAL COLD WATER DISTRIBUTION PIPES FOR TOILET</u>				
	<u>Basement - 02</u>				
268	Supply and laying of 32mm (1") diameter CPVC suitable for cold water up to 20 bar operating pressure, complete as per specification, drawings and Engineer's instructions.	m	95	3,714	352,830
269	Supply and laying of 25mm (3/4") diameter CPVC suitable for cold water up to 20 bar operating pressure, complete as per specification, drawings and Engineer's instructions.	m	15	2,877	43,155
270	Supply and laying of 20mm (1/2") diameter CPVC suitable for cold water up to 20 bar operating pressure, complete as per specification, drawings and Engineer's instructions.	m	12	1,695	20,340
	<u>Basement - 01</u>				
271	Supply and laying of 32mm (1") diameter CPVC suitable for cold water up to 20 bar operating pressure, complete as per specification, drawings and Engineer's instructions.	m	95	3,714	352,830

DEC 14 1992 12-15		ENGINEERING DATA TRANSMITTAL		Page 1 of 1 624977	
2. Receiving Organization		3. From: (Originating Organization)		4. Related ECR No.	
5. This Drawing Title		Information Research Management		6. ECR No.	
Work Management Implementation		1. Design Authority/Design Approval		7. Purchase Order No.	
		C. E. Shipley		N/A	
8. Original Remarks:				9. Equip. Component No.	
ATTACHED TO THE COMPLETED WORK FLOW ANALYSIS REPORT CONSIDERING OF WORK MANAGEMENT, PREVENTATIVE MAINTENANCE, MATERIALS & EQUIPMENT, REVISIONS HAS NOT BEEN RELEASED. ALL SECTIONS OF THIS DOCUMENT HAVE BEEN APPROVED BY THE AUTHORIZED REPRESENTATIVE EXCEPT PREVENTATIVE MAINTENANCE (INTO, INT20, INT30) AND THE WORK ORDER PLANNING & PERFORMANCE (INT40 AND INT50).		10. Design Authority/Design Approval		11. System/Proj. Accty.	
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- **Engineering Services**

We also provide a wide range of engineering consultancies that related to our area of expertise to our clients

1. Corrosion Protective Solutions.
2. Steel Structure Preventive and reactive maintenance reports and manuals
3. Project Management.
4. Quality Control
5. Façade and Cladding Cold Formed Supports
6. DM Approvals



AREA OF EXPERTISE



**RESIDENTIAL, COMMERCIAL
MULTISTOREY AND HIGH-RISE BUILDINGS**



**PAVILIONS, SHOWROOMS AND RETAIL
SHOPS**



ROAD AND PEDESTRIAN BRIDGES



**WAREHOUSES, WORKSHOPS AND
STORAGE FACILITIES**

AREA OF EXPERTISE



SHIPPING CONTAINERS STRUCTURES



**ARCHITECTURAL , INTERIOR AND
EXPOSED STEEL FRAMES**



**PARKING SHEDS, CANOPIES , PERGOLAS
AND TENSILE FABRIC STEEL STRUCTURES**



**GRIDSHELLS, 3D TRUSSES AND SPACE
FRAMES**

AREA OF EXPERTISE



**FACADE, CURTAIN WALLS AND GLAZING
STEEL FRAMES**



SPECIAL ARCHITECTURAL STEEL STAIRS



GLASS AND SCENIC LIFT FRAMES



STEEL STRUCTURE LINK BRIDGES

AREA OF EXPERTISE



**OIL AND GAS , POWER PLANTS AND
INSUSTRIAL STEEL STRUCTURES**



**POWER AND TELECOMMUNICATION
LATTICE TOWERS**



CILOS AND STORAGE TANKS



SOLAR PANELS STEEL SYSTEMS



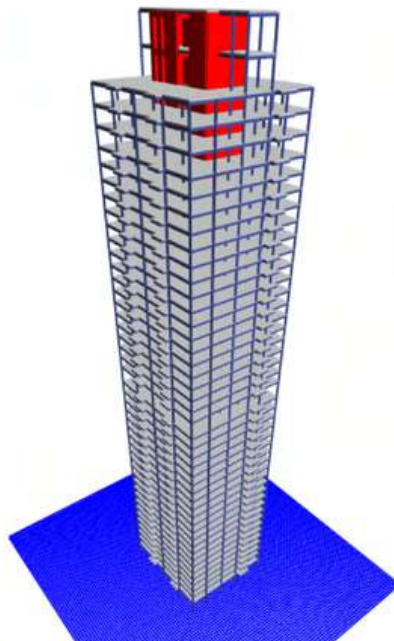
KEY PROJECTS

- **G+43 Crown Icon Bay Tower**

Client: Emirates Steel

Location : Dubai Creek Harbour Development

Scope of Work : Modeling - Design





- **EXPO 2020 DUBAI - EMIRATES PAVILION**

Client: Emirates Air Lines

Location : Dubai - Expo

Consultant : WME

Contractor : Cimolai Rimond Middle East JV QA

Scope of Work : Steel Structure Take off -

Quantity Survey - Cost Estimation - Model

Review





• MBF HQ OFFICE

Client: SHK. Mohammad Al Qassimi

Location : Sharjah

Consultant : Palazzo Venezia Middle East

Contractor : QA Construct L.L.C

Scope of Work : Structural Design



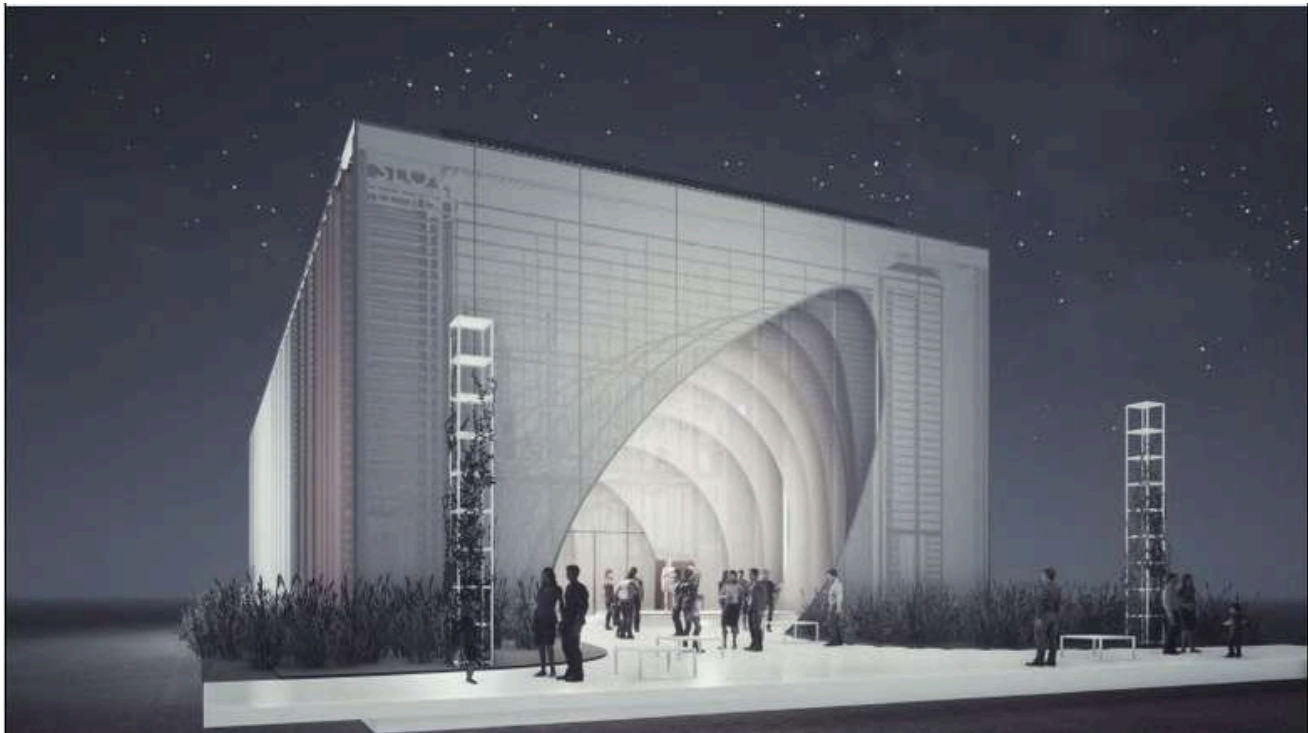


- **Slovakia Pavilion Expo 2020**

Client/Consultant: BMA Studio

Location : DUBAI - Expo 2020

Scope of Work : Structural Design



- **Intercontinental Hotel Steel Structure Works**

Client: Rak Properties

Location : Rak - UAE

Consultant : P&T Architects & Engineers LTD

Scope of Work : Steel Structural Design





- **WAREHOUSE AND OFFICES G+M FLOOR**

Client: MONTINA WAREHOUSE HOLDING L.L.C

Location : DUBAI INDUSTRIAL

Consultant : Archcorp Architectural engineering



- **Steel Suspended Swimming Pool**

Client: Green Dunes Landscaping

Location : Dubai - Dubai Hills Estate

Scope of Work : Modeling - Design





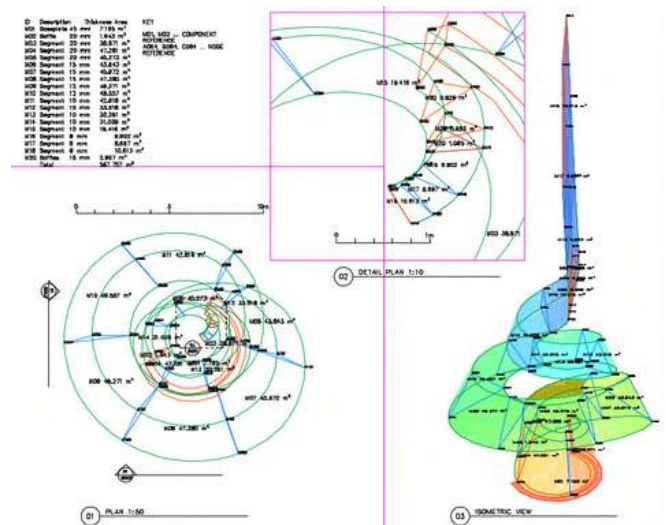
• MONUMENT SHARJAH

Client/Consultant: Diales Uncompromise expertise

Location : Sharjah

Scope of Work : Structural Design

Verification



• Grids Shell Connections Design

Client/Consultant: Sumite Engineering Consultants

Location : Dubai - Media City

Scope of Work : Connection Design



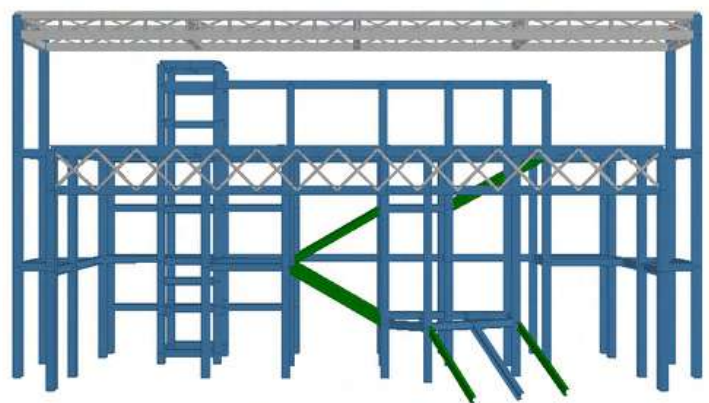
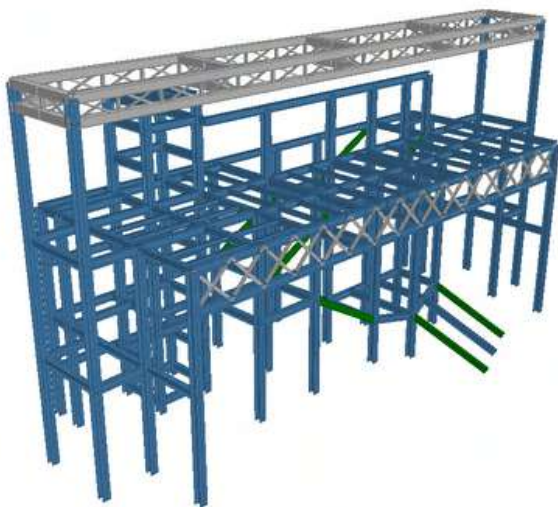


- **AL JAZIRAT AL HAMRA - HERITAGE VILLAGE RAS AL KHAIMAH**

Client/Consultant: ATKINS

Location : RAK

Scope of Work : Structural Design & Detailing





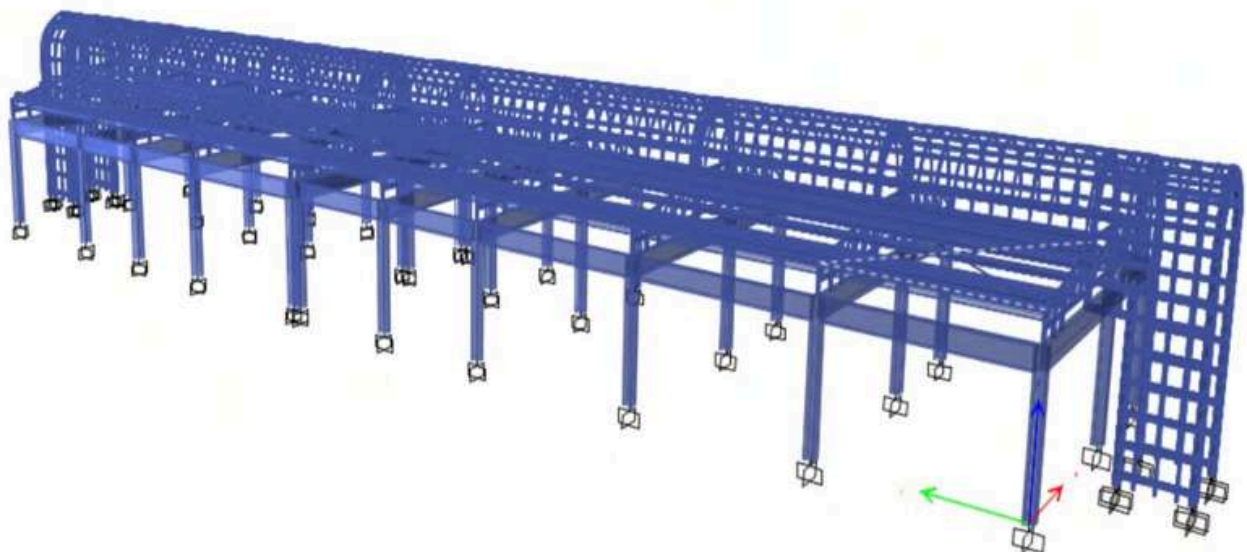
- **OPEN MARKET BUILDING**

Client : QARYAT AL HIDD DEVELOPMENT

Consultant: Khatib & Alami

Location : ABU DHABI

Scope of Work : Structural Design & Detailing





- **ESAAD BUILDING**

Client : DUBAI POLICE

Consultant: AL BAYT AL JAMIL CONSULTANCY

Location : DUBAI

Scope of Work : Structural Design & Detailing





- **Elemental Day Surgical Center**

Client : SHAMS AL NAHAR CONTRACTING

Location : DUBAI

Scope of Work : Structural Design & Detailing for Roof





- **G+1+R (PJFRK070) PALM JUMEIRAH VILLA**

Client/Consultant: Orient Crown Architectural Consultants

Location : Palm Jumierah , Dubai - UAE

Scope of Work : Villa Extension and strengthening



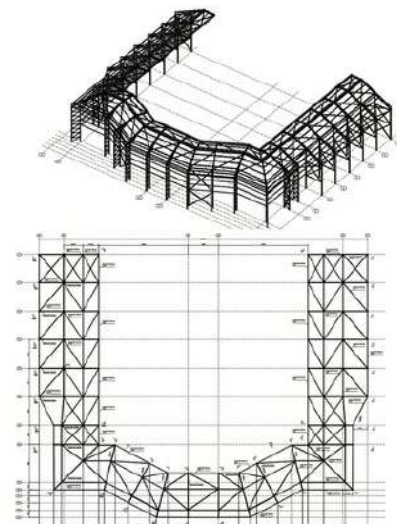
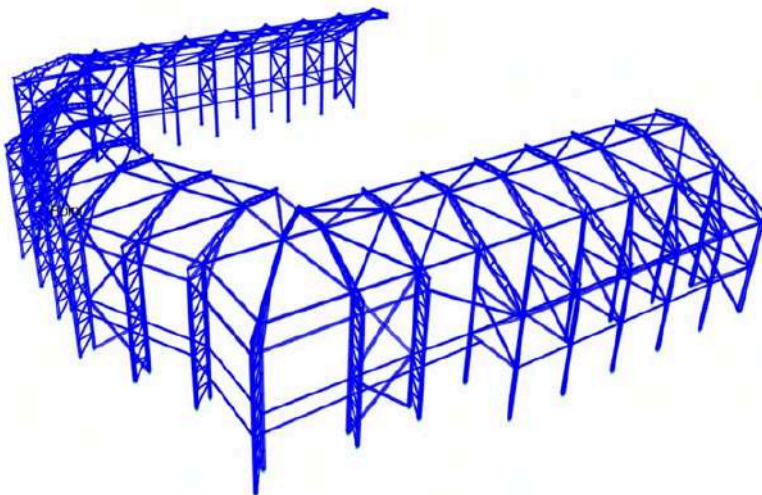


- **Acoustic Hall Festival City**

Client/Consultant: Impart Design Group

Location : Festival City Dubai - UAE

Scope of Work : Full Engineering

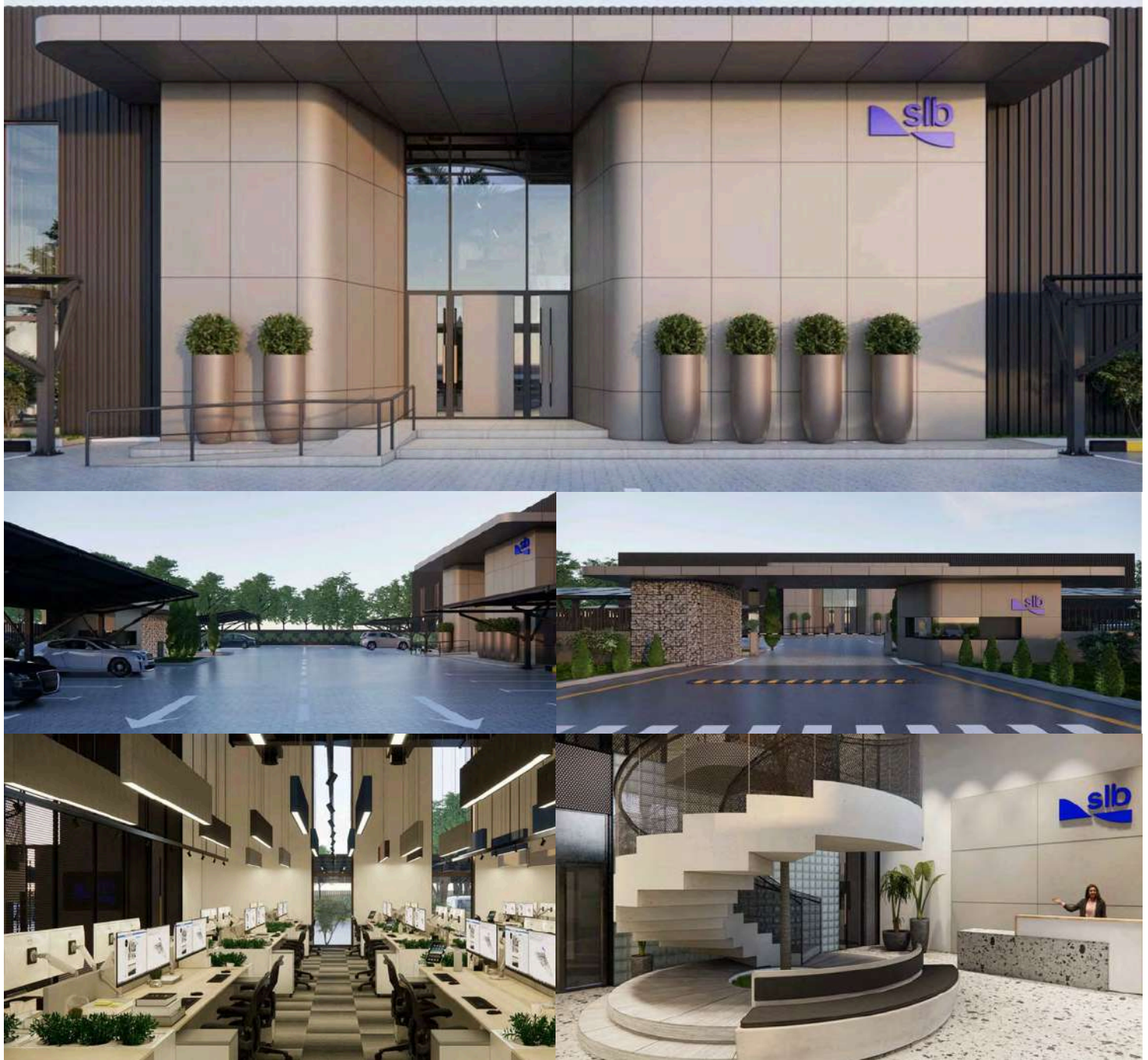


- **SLB Main Office Modification**

Client/Consultant: Impart Design Group

Location : JAFZA Dubai - UAE

Scope of Work : Full Engineering





- **G+1+R (PJFRK072) PALM JUMEIRAH VILLA**

Client/Consultant: Orient Crown Architectural Consultants

Location : Palm Jumierah , Dubai - UAE

Scope of Work : Villa Extension and strengthening



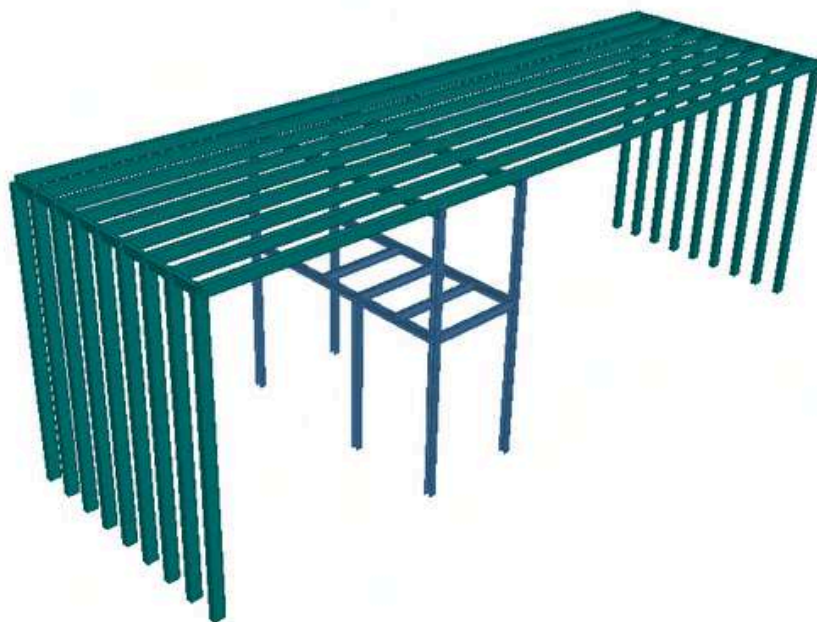


- **Millennium Estates Entrance Gate**

Client/Consultant: AL ABBASI ENGINEERING CONSULTANCY

Location : Dubai - UAE

Scope of Work : Engineering Design



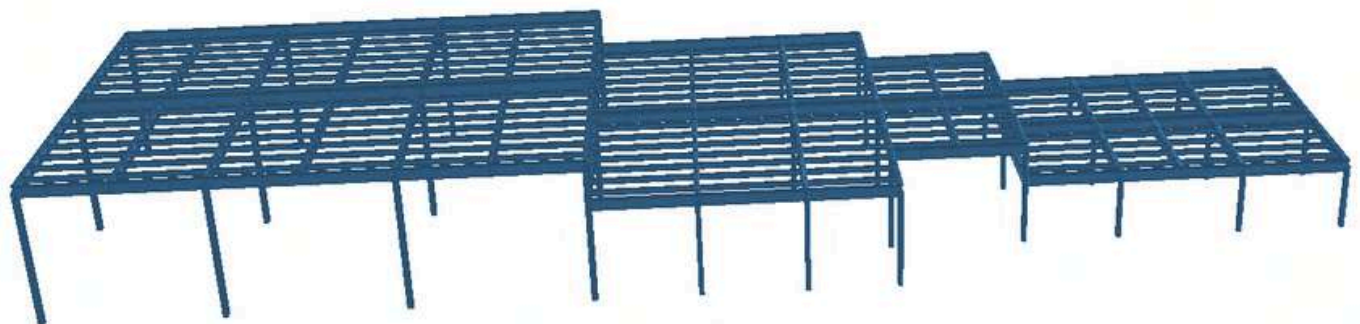


- **Domaine de Grissace Juice Factory**

Client/Consultant: Virginie Rober-Dufrendy Architecte DPLG

Location : France

Scope of Work : Design





- **Emaar Sales Centre**

Client/Consultant: Emaar

Location : Dubai , UAE

Scope of Work : Design





- **Emirati Shcool**

Client/Consultant: Eng Adnan Saffarini

Location : Ajman, UAE

Scope of Work : Design of Swimming Pools & Auditorium Steel Roofs



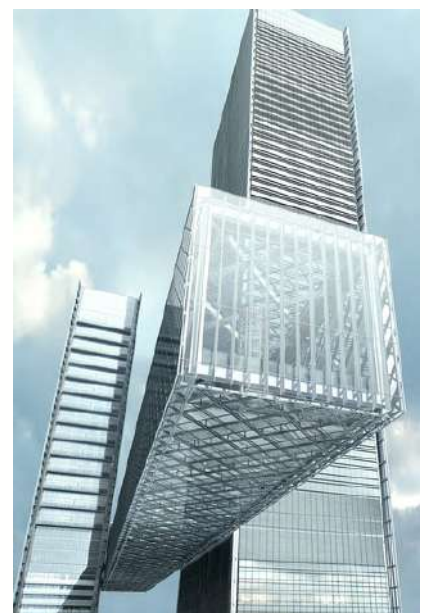


- **One Zabeel Link Bridge Metal Ceiling**

Client/Consultant: WSP

Location : Dubai , UAE

Scope of Work : Design



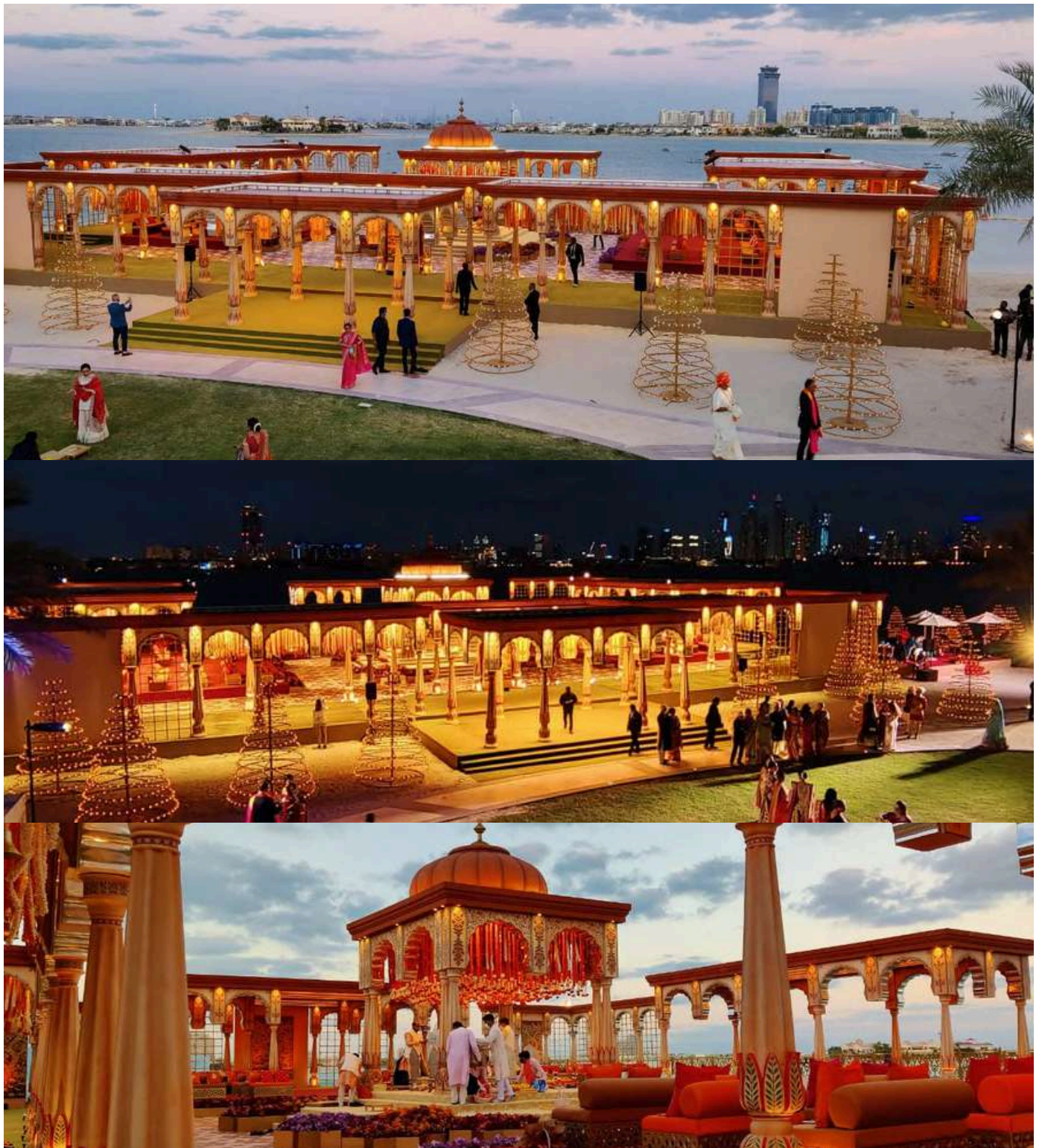


- **Veronika Wedding at Ain Dubai Blue Water**

Client/Consultant: Out of The Box L.L.C

Location : Dubai, UAE

Scope of Work : Design & Managemnt





- **Marina Mall Facade Upgradation Work**

Client/Consultant: WME

Location : Abu Dhabi, UAE

Scope of Work : Structural Design



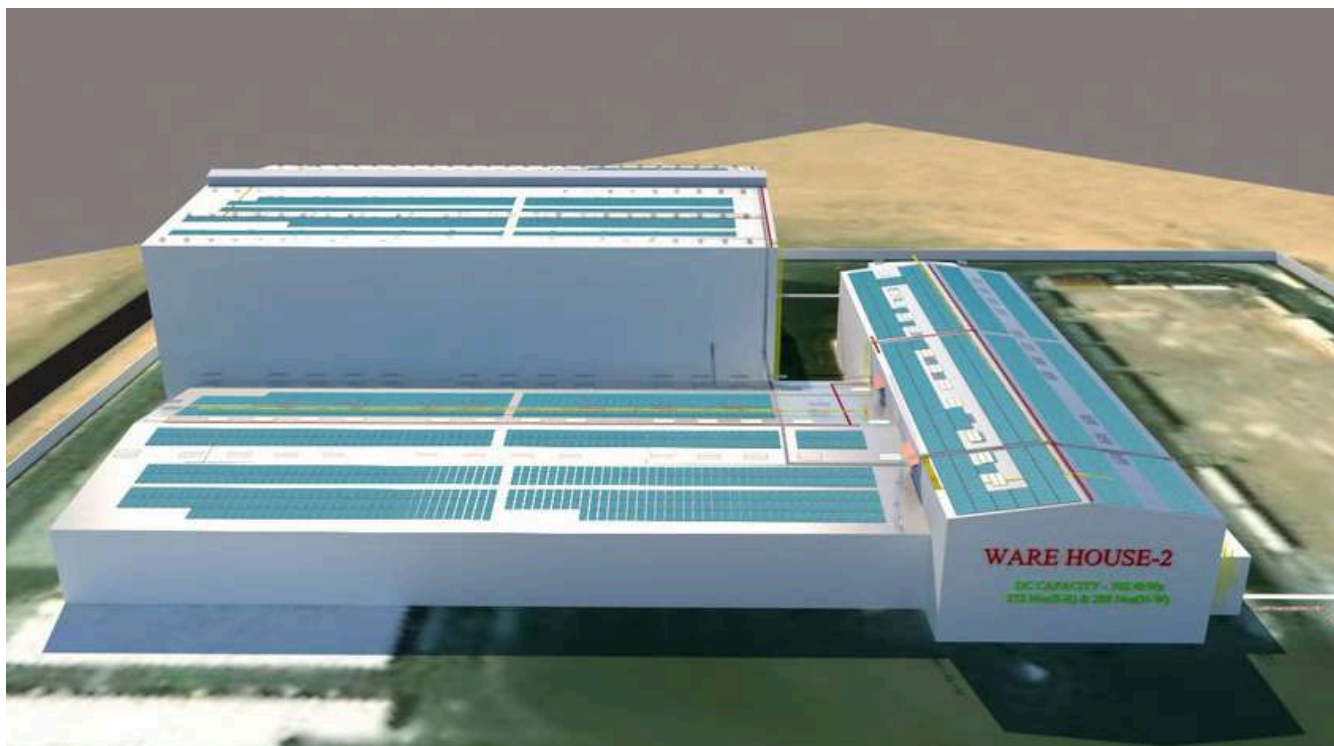
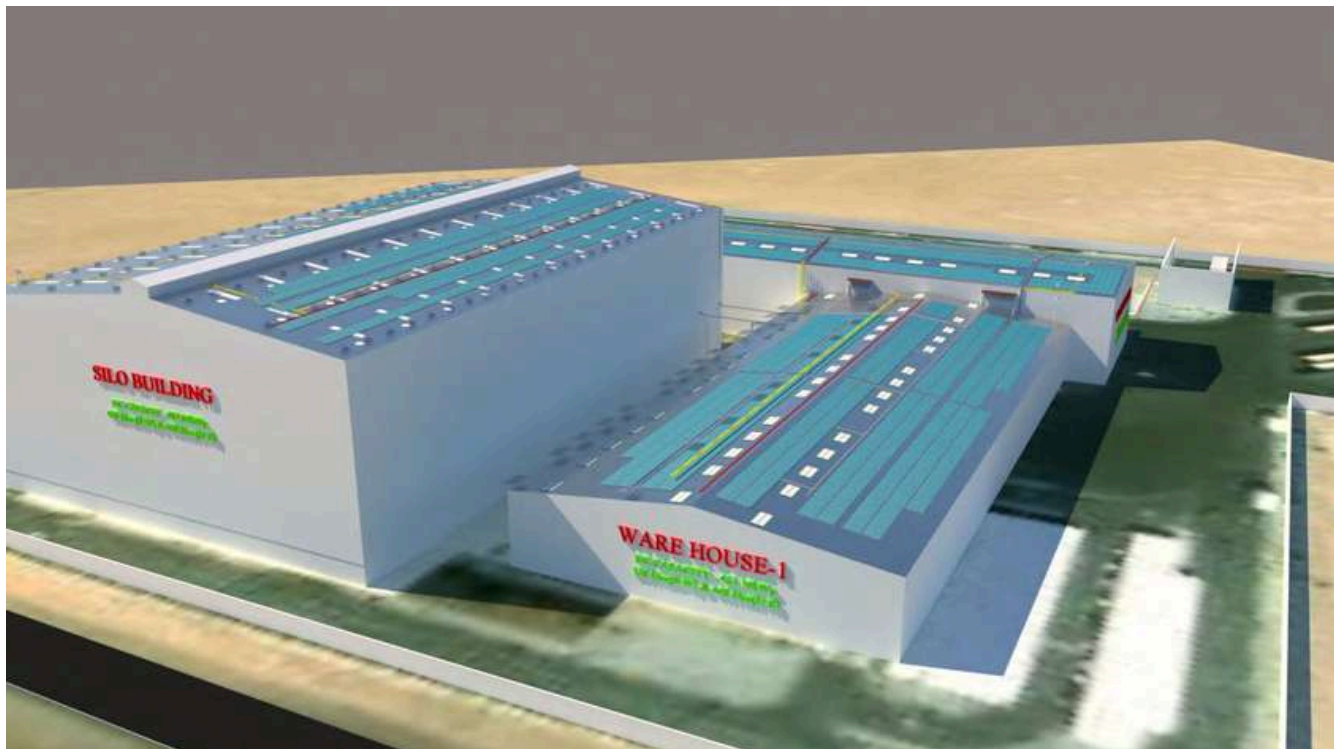


- **Al Dahra Food Industries Solar Project**

Client/Consultant: Golden Falcon L.L.C

Location : Abu Dhabi, UAE

Scope of Work : Structural Design





- **Al Dahra Food Industries Solar Project**

Client/Consultant: Golden Falcon L.L.C

Location : Abu Dhabi, UAE

Scope of Work : Structural Design





- **Villa V-75 at Dubai Hills**

Client/Consultant: DAMAC CRESCENT PROPERTIES

Location : Dubai , UAE

Scope of Work : Structural Design for GRC Steel Frames



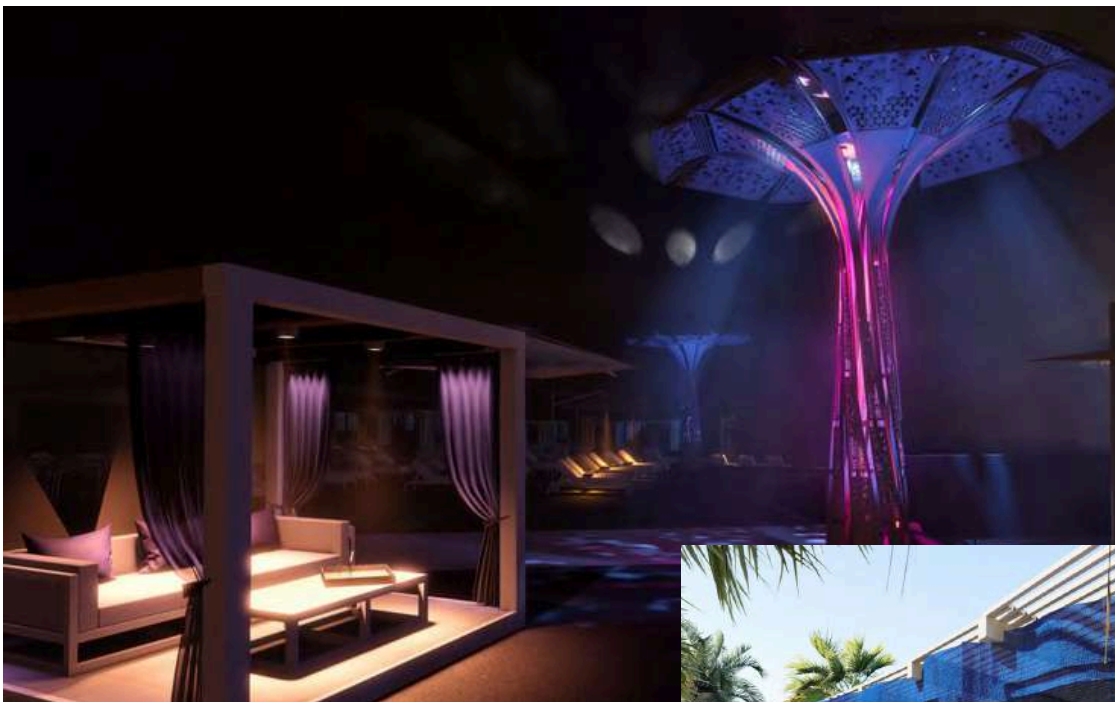


- **Cafe Del mar Island Bar**

Client/Consultant: Broadway

Location : Abu Dhabi , UAE

Scope of Work : Structural Design



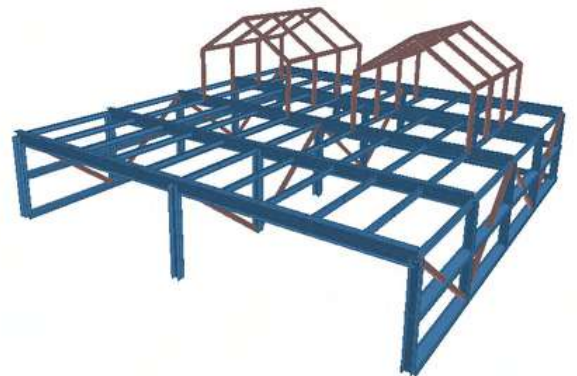


- **20 Pods Park Underground Steel Structures**

Client/Consultant: Armadillah

Location : Rak

Scope of Work : Structural Design





- **SKMC Hospital Renovation**

Client/Consultant: QA Construct

Location : Abu Dhabi, UAE

Scope of Work : Steel Structural Design



- **MUSHEIRIF GYM & PADDLE TENNIS**

Client/Consultant: QA Construct

Location : Dubai , UAE

Scope of Work : Steel Structural Design & QS





- **Cartier Mall - Jeddah, KSA**

Client/Consultant: Polvirini Middle East

Location : Jeddah - KSA

Scope of Work : Steel Structural Design for Facade



- **Van Cleef & Arpels at Dubai Mall**

Client/Consultant: Polvirini Middle East

Location : Dubai - UAE

Scope of Work : Steel Structural Design



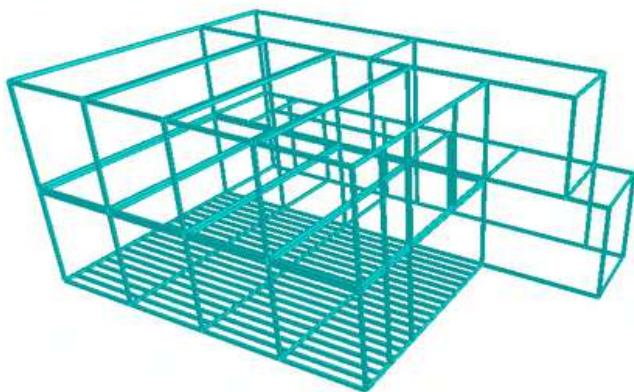


- **G+M Containers Structure**

Client: Super Tech Industries I.L.c

Location : DUBAI - Dubai Hills Estate

Scope of Work : Structural Design





- **Various Steel Structures in Hilton Hampton Hotel**

Consultant: JT&Partners Architectural and Engineering Consultants

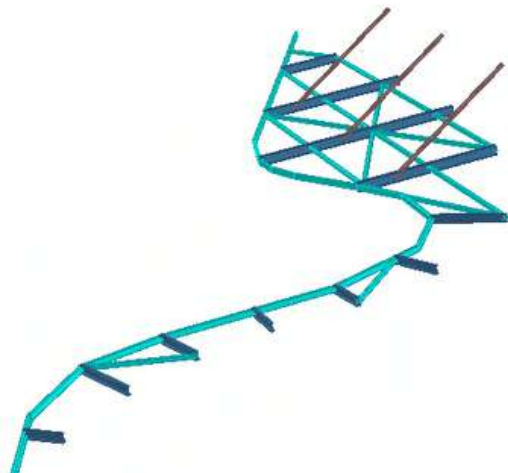
Structural Consultant : Webb Yates & Esther - Engineers

Location : UAE - Mina Al Arab

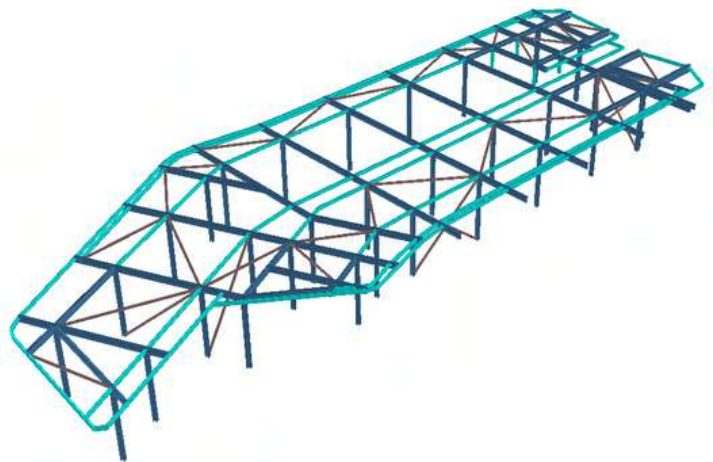
Scope of Work : Structural Design



1. Entrance Canopy



2. Two Roof Canopies



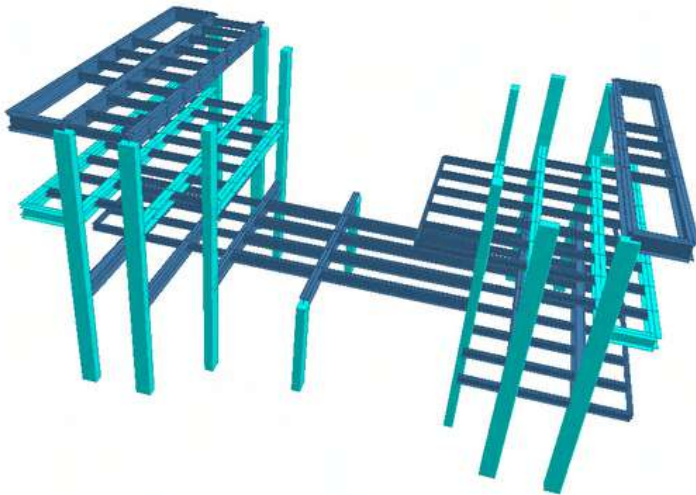
- **Twin Tower Double Tree connecting Bridge**

Client/Consultant: Designers Engineering Consultants

Location : RAK

Scope of Work : Structural Design

Special : Key Project

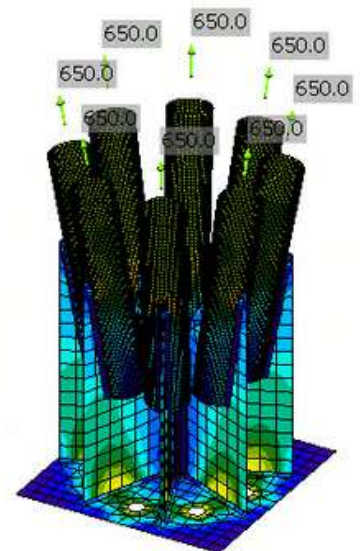
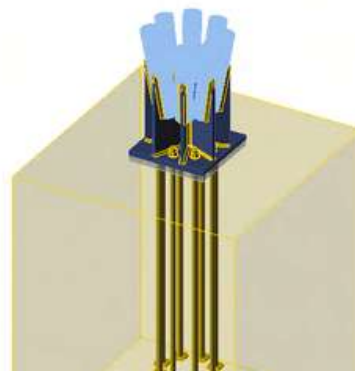
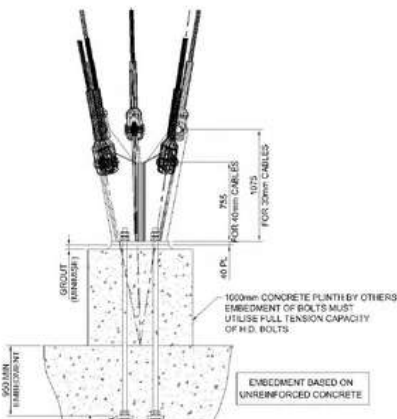


- **Brazil Pavilion - Expo 2020**

Consultant: MJU Engineering Consultancy

Location : UAE - Dubai Expo

Scope of Work : Structural Anchorage Connections Design



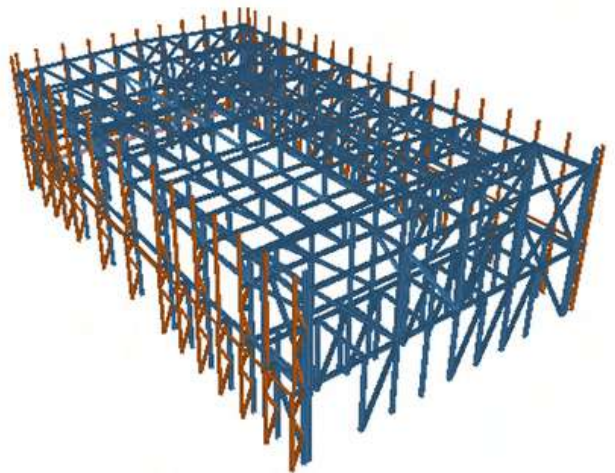
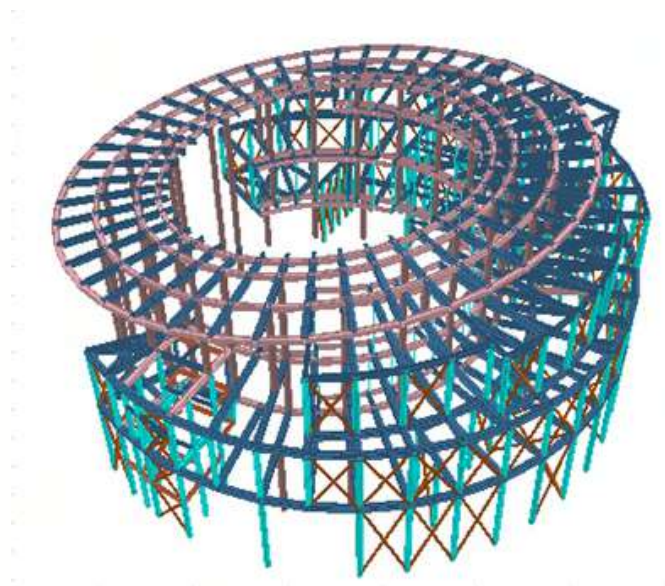


- **Angola Pavilion - Expo 2020**

Consultant: NSD Architectural Consultants

Location : UAE - Dubai Expo

Scope of Work : Modeling / QS

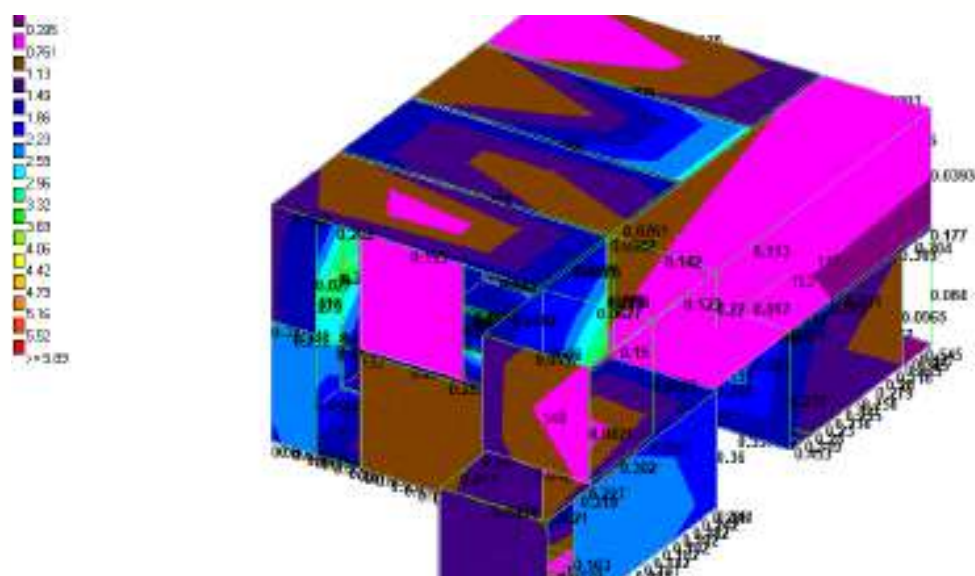


- **G+M Containers Structure Restaurant**

Client: Super Tech Industries I.I.c

Location : DUBAI - UAE

Scope of Work : Structural Design

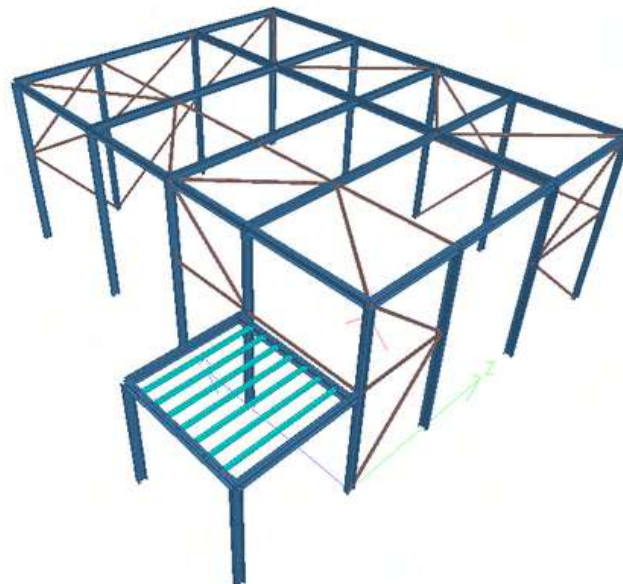


• EMPIRE AVIATION - Dubai Air Show

Client: BLUAMOEBBA

Location : DUBAI - UAE

Scope of Work : Structural Design

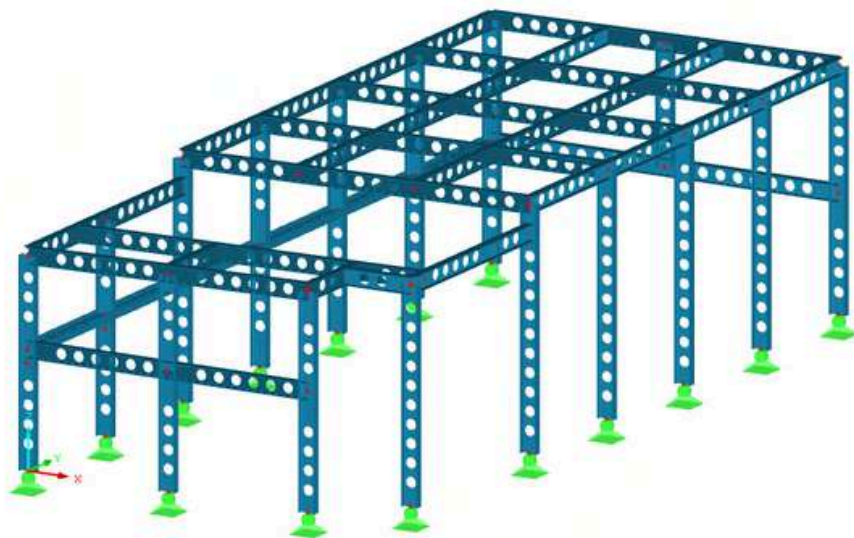


- **The B1 Mall Terrace Steel Structure**

Client: CBD PROJECTS

Location : DUBAI - UAE

Scope of Work : Structural Design





- **Villa Steel Pergola at Roof Level**

Client/Consultant: Dubai International Contracting
company L.L.C

Location : Dubai- Nad Al Hamar

Scope of Work : Structural Design



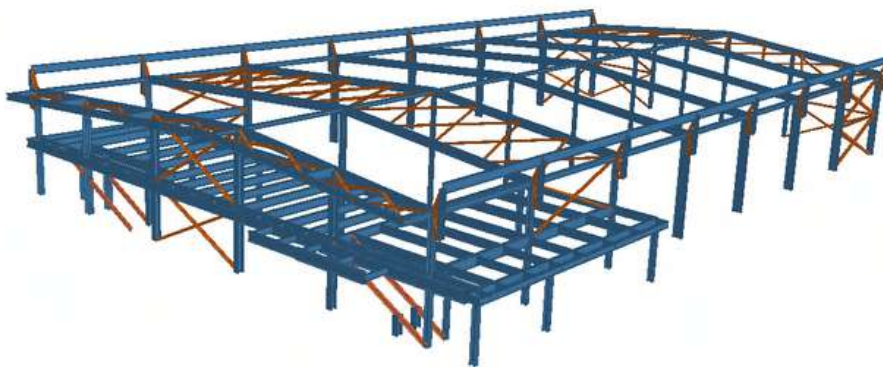


- **G+M Plants Show Room Building**

Consultant : Arkiplan Engineering Consultants

Location : Dubai - Alqouz Industrial 3rd

Scope of Work : Modeling / Structural Design





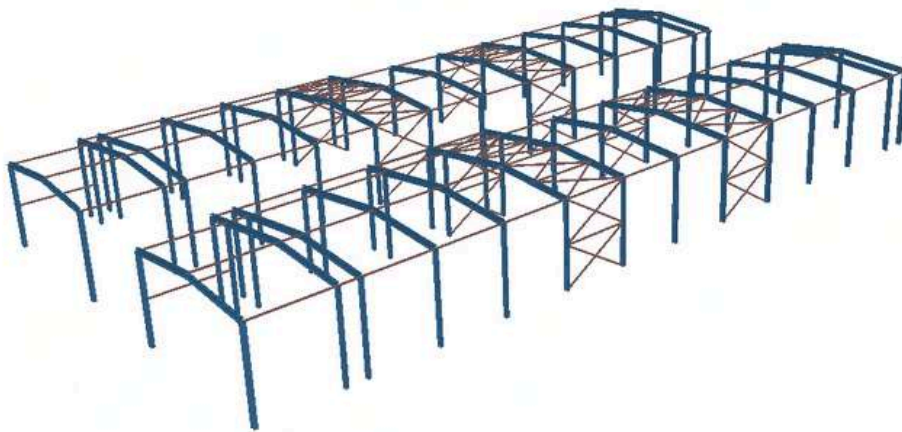
- **2 Warehouses in DIC**

Client/Consultant: Golden diamond Engineering

Consultants

Location : Dubai - DIC

Scope of Work : Structural Design





- **Steel Structure Car Parkings**

Consultant: Al Ajmi – Engineering Consultants

Location : UAE - Dubai Expo

Scope of Work : Modeling / Structural Design



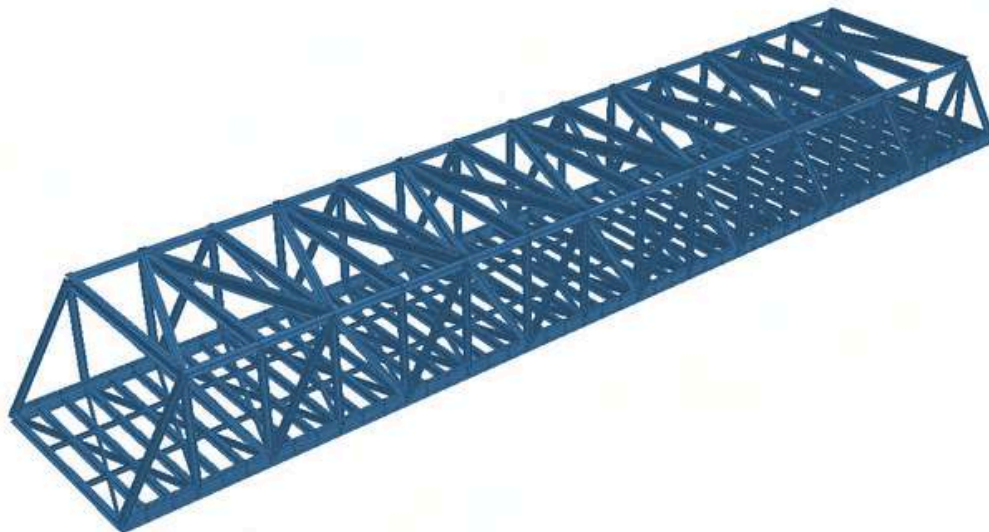
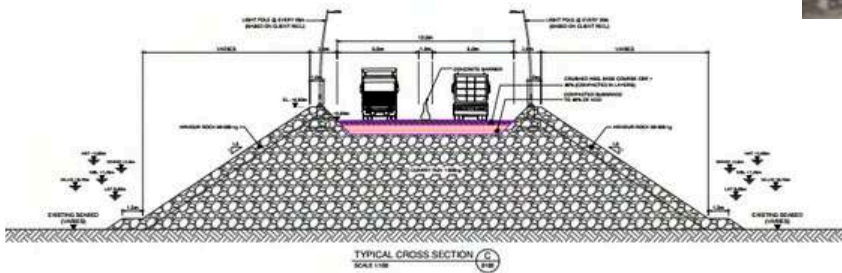
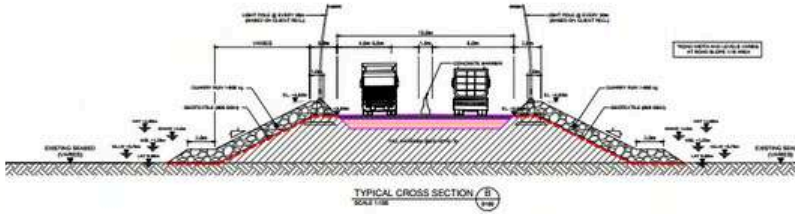
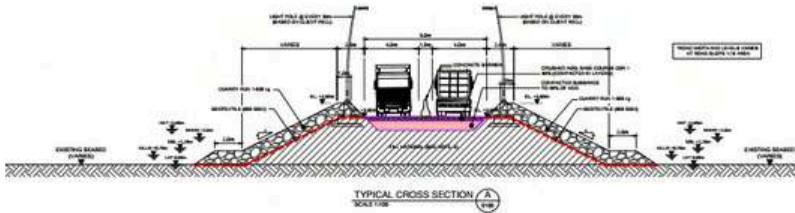


• RAMHAN ISLAND CAUSEWAY AND FLOATING BRIDGE

Client : QA Construct Contracting L.L.C

Location : UAE - Dubai

Scope of Work : Concept Structural Design



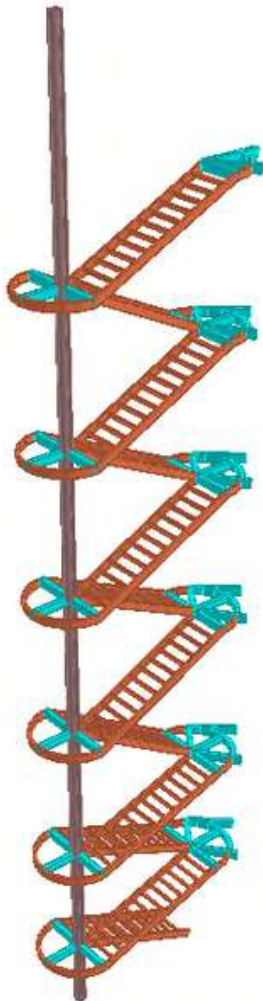


- **30 M Height Helical Straicase**

Consultant: P&T Architicts & Engineers LTD

Location : UAE - Dubai - Airport Freezone

Scope of Work : Modeling / Structural Design



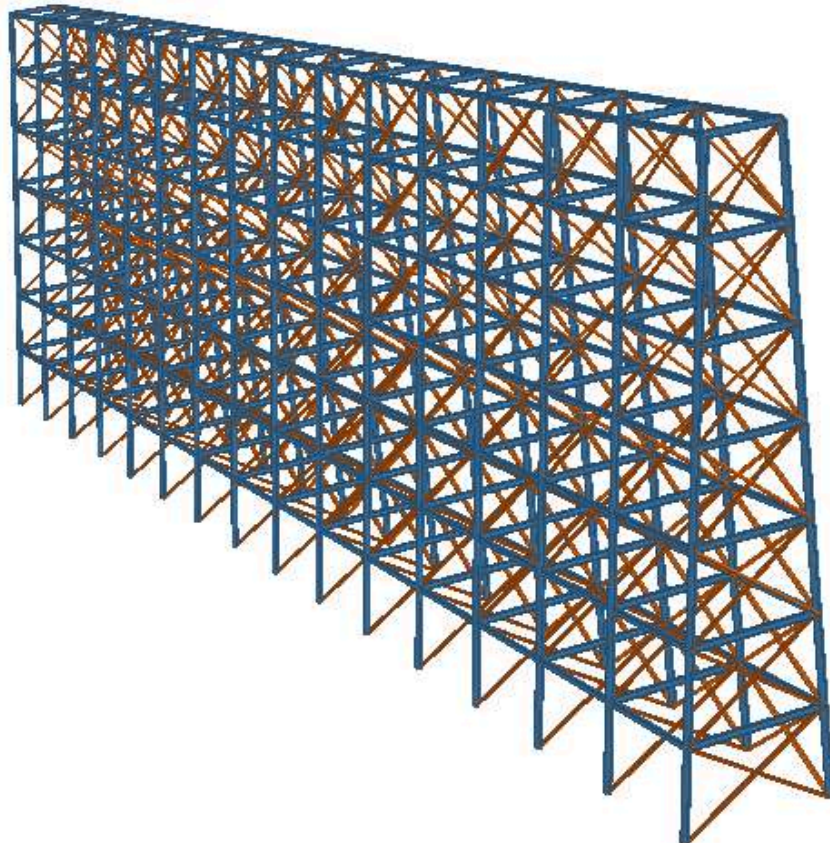


- **Street Advertising Board 75m x 24m**

Consultant: Con.

Location : UAE - Dubai

Scope of Work : Modeling / Structural Design

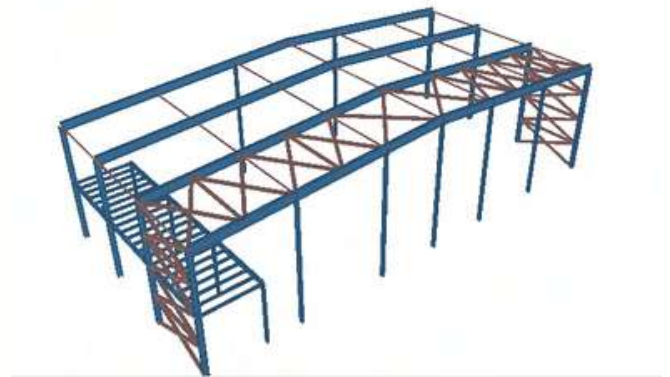
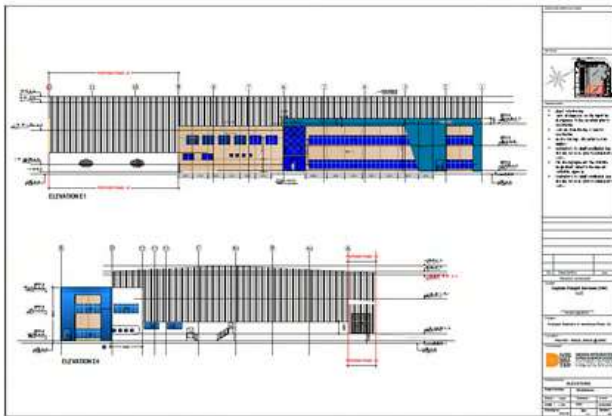


• Steel Structure Roof Extension With Mezzanine

Consultant: DESIGN INTEGRATED Arch.

Location : UAE - Dubai - DWC

Scope of Work : Modeling / Structural Design

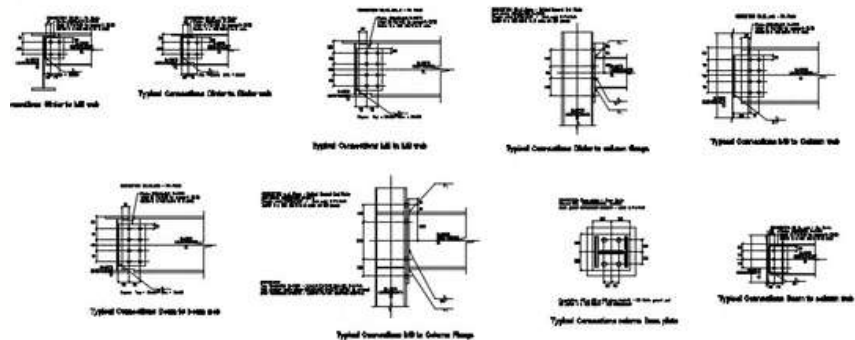


• Additional Warehouse Mezzanine

Client/Consultant: Apex Engineering Consultants

Location : Dubai - Al Quoz

Scope of Work : Structural Design

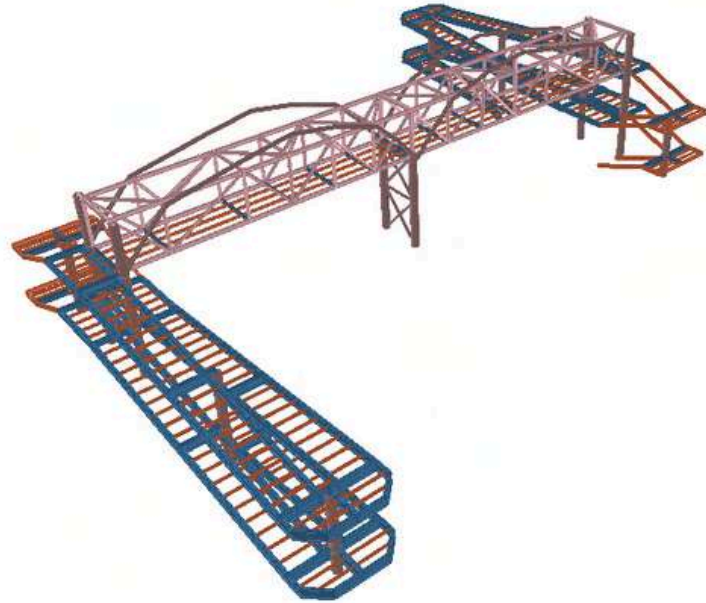
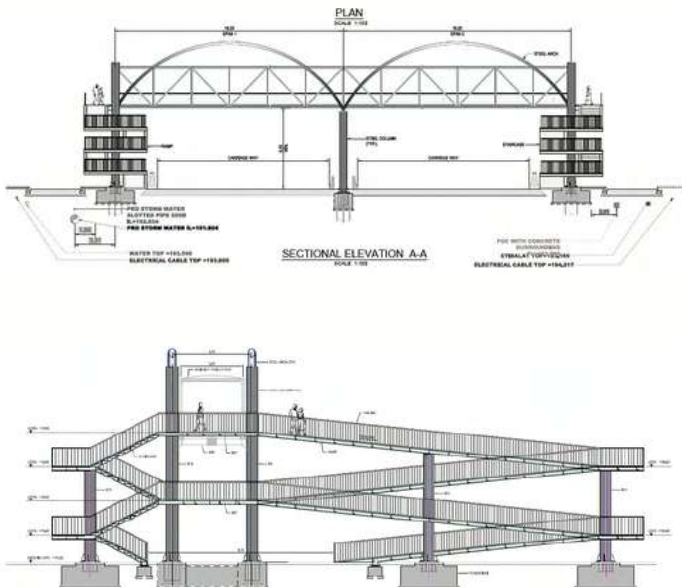


• Pedestrian Bridge

Consultant: Parsons

Location : UAE - Dubai

Scope of Work : Modeling

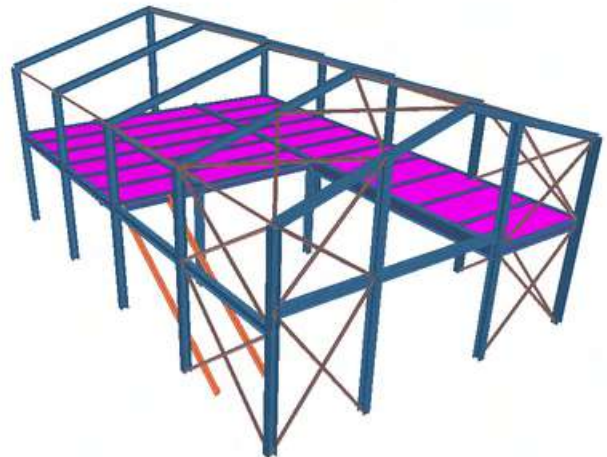
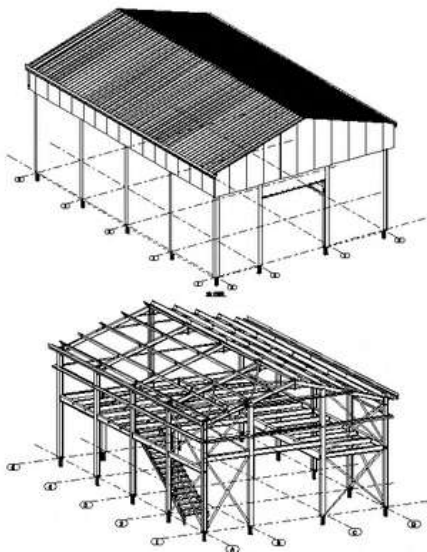


• Proposed Warehouse & Mezzanine

Consultant : Al Rouya Al Motakamela Architecture Consultants

Location : Dubai - DWC

Scope of Work : Modeling / Design



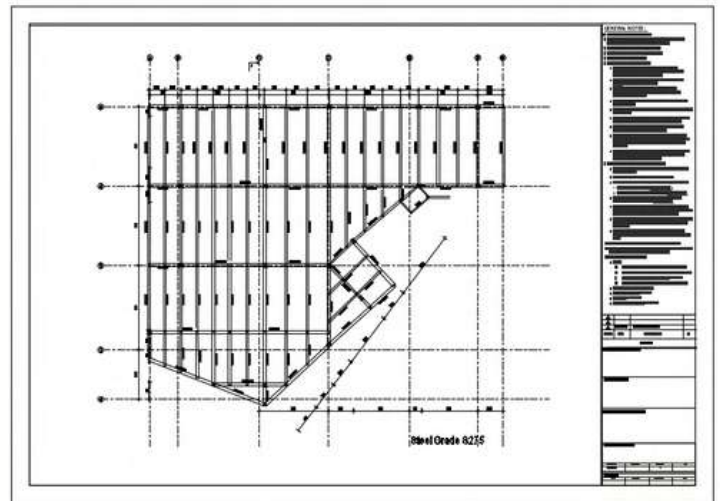
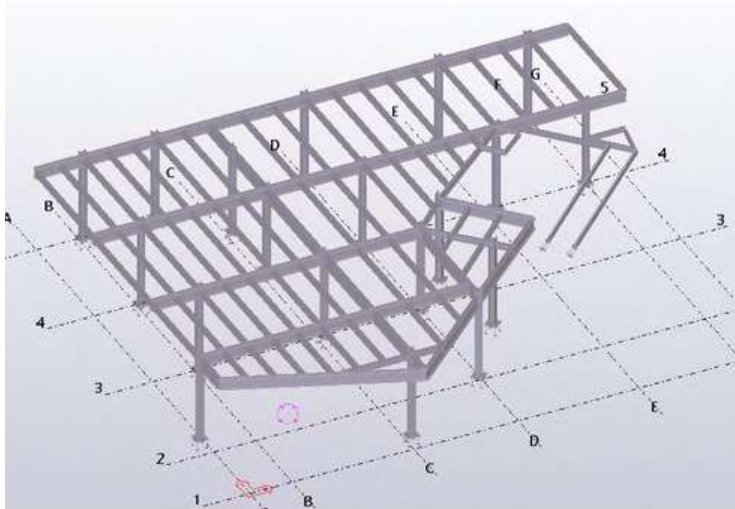


- **Additional Warehouse Mezzanine**

Client/Consultant: Pioneers Engineering Consultants

Location : Dubai - DIP

Scope of Work : Structural Design

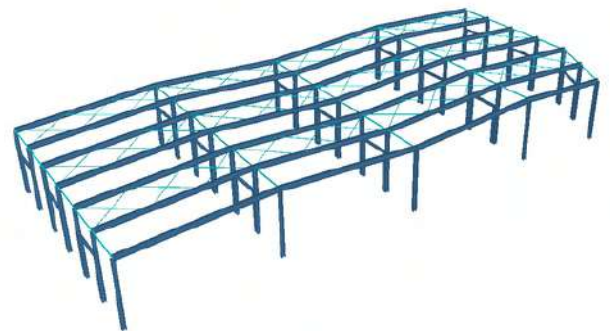


- **2100 M2 Multi-Span Warehouse**

Contractor : Dubai National Construction LLC

Location : Dubai - DIP

Scope of Work : Modeling / Structural Design



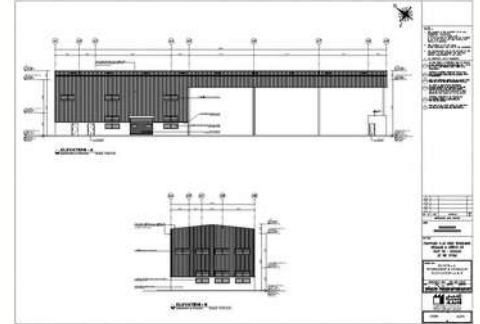
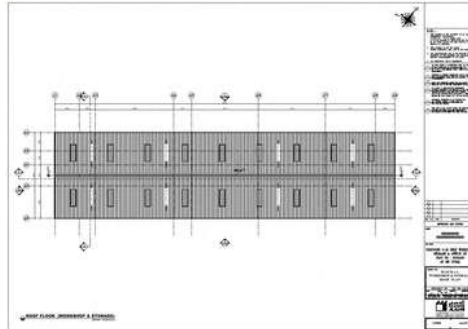
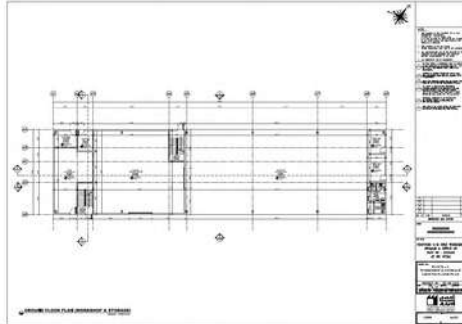


• 900 M2 Workshop + 345 M2 Mezzanine

Client/Consultant: Al Ajmi – Engineering Consultants

Location : Dubai - DIC

Scope of Work : Structural Design - QS

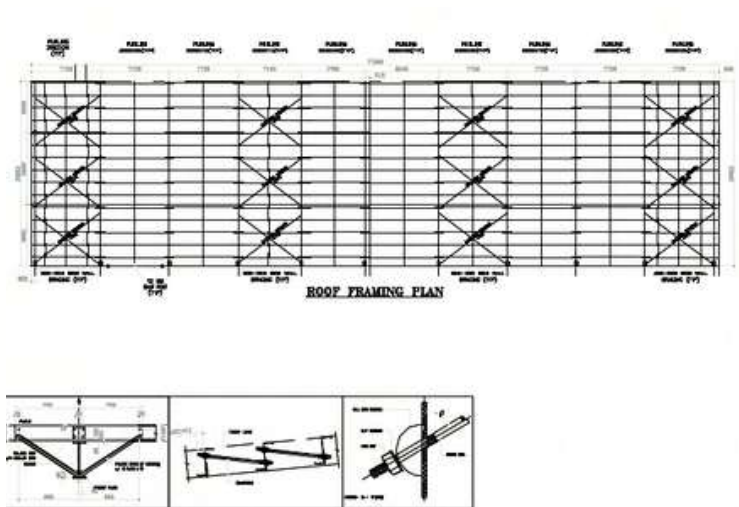
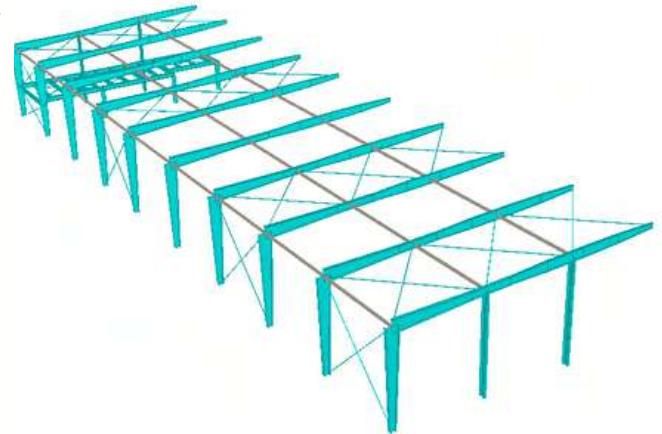


• Warehouse Extension & Mezzanine

Client/Consultant: Global Orbit Engineering (GOZ) FZE

Location : Dubai - DIP

Scope of Work : Structural Design - PEB



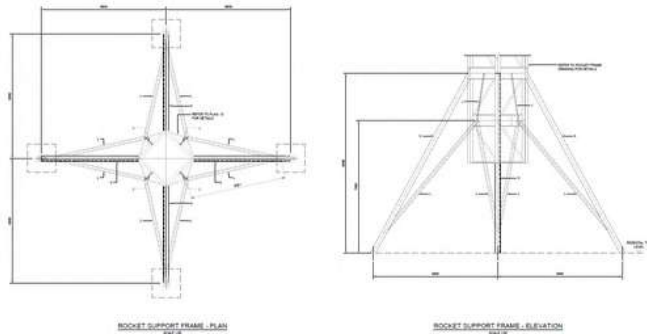


- **Rocket Frame for USA Pavilion**

Consultant : QA Construct contracting I.I.c

Location : Dubai - Expo 2020

Scope of Work : Modeling / QS

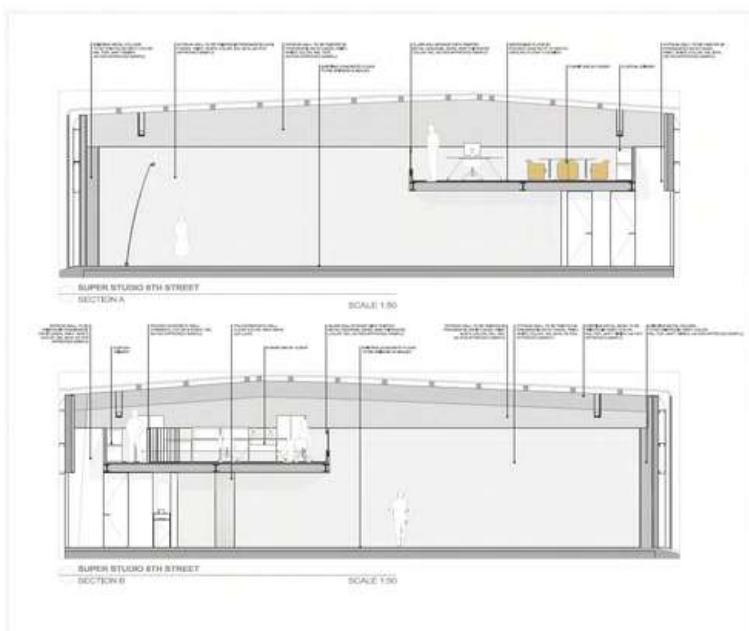


- **Show Room Mezzanine**

Consultant : TECTONIC AEC Architects and Engineering Consultants

Location : Dubai - Alqouz

Scope of Work : Modeling / Structural Design





• Steel Structure Warehouse

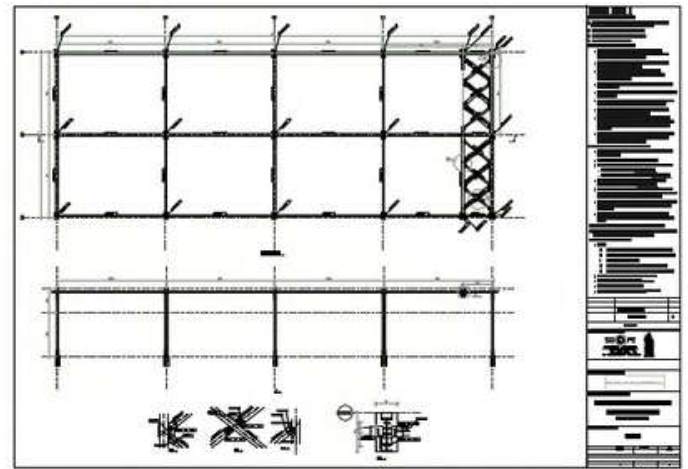
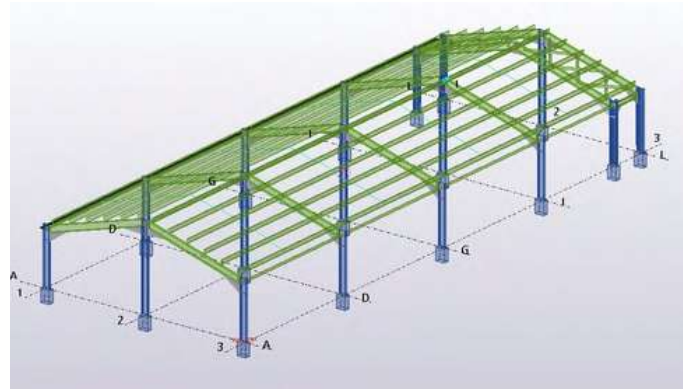
Client: Mr.Mohammad Faisal

Location : Al Ain

Consultant : Scope Engineering Consultancy

Contractor :New Capital Construction

Scope of Work : Structural Design



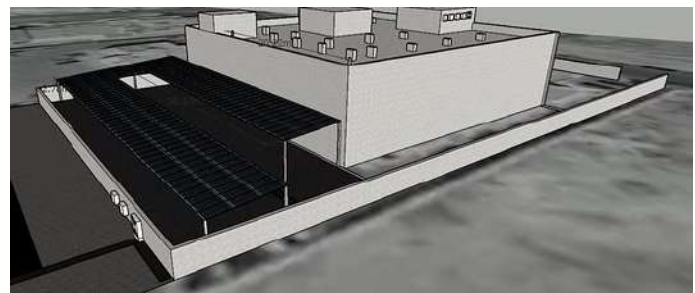
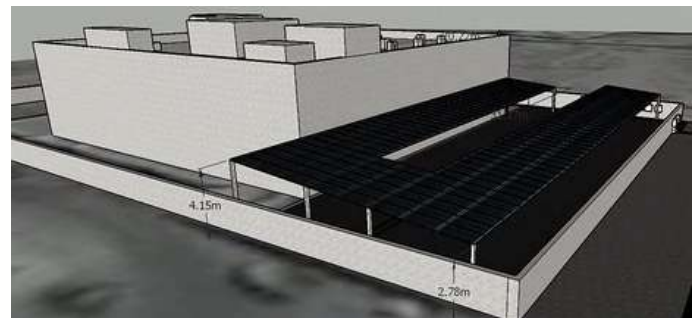
• DLS Solar Panel Car Parking Shed

Client: Ejhada Renewable Energy

Location : Amman - Jordan

Consultant : Dar Al Handasah

Scope of Work : Structural Modeling and Design



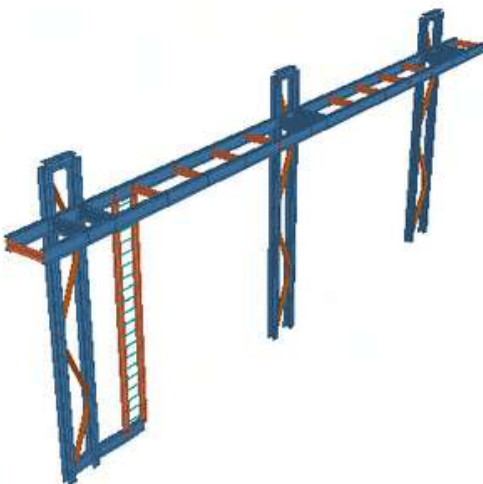
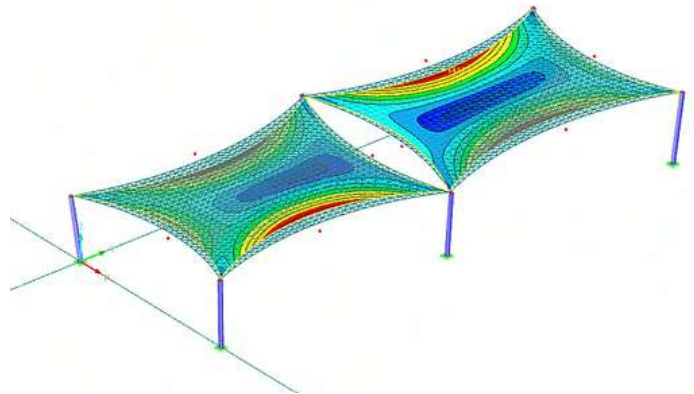
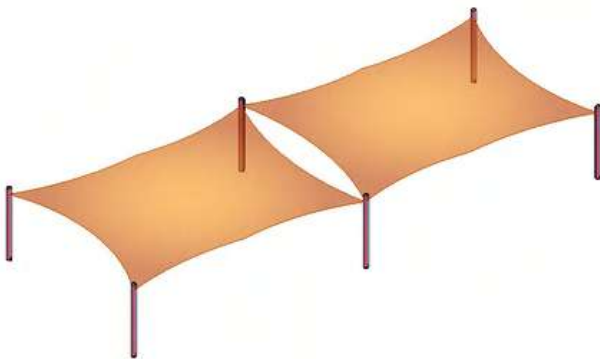
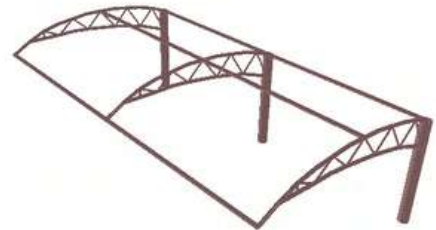
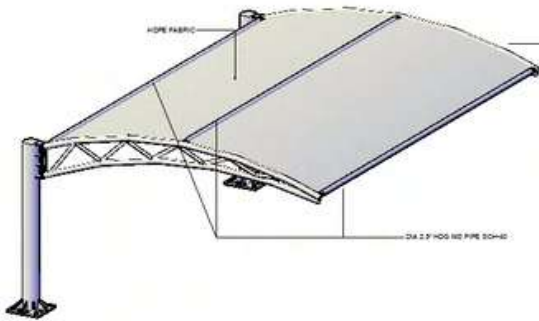


• Miscellaneous Steel Structure

Client: Ertifaa Aluminium & Glass LLC.

Location : Al Ain

Scope of Work : Structural Design





• Steel Truss Roof Design

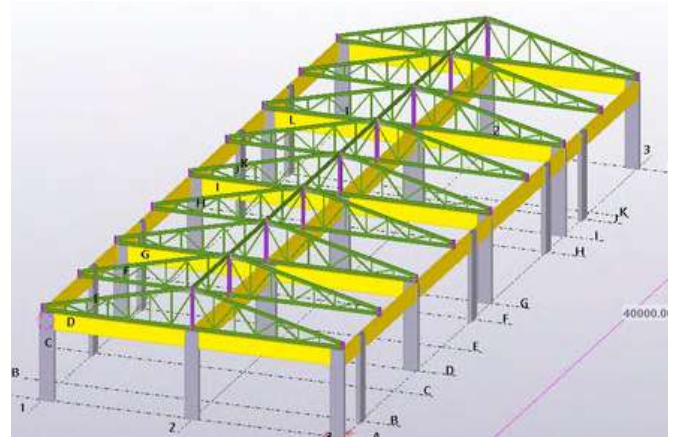
Client: Mr.Mohammad Faisal

Location : Al Ain

Consultant : Scope Engineering Consultancy

Contractor :New Capital Construction

Scope of Work : Structural Design



• 12 Typical Steel Lift Frame

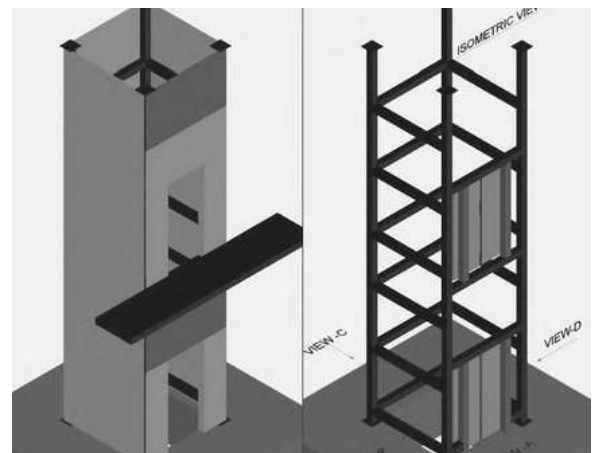
Client: Mr. SAEED AHMAD ALTAYER

Location : Nad Al Sheba - Dubai

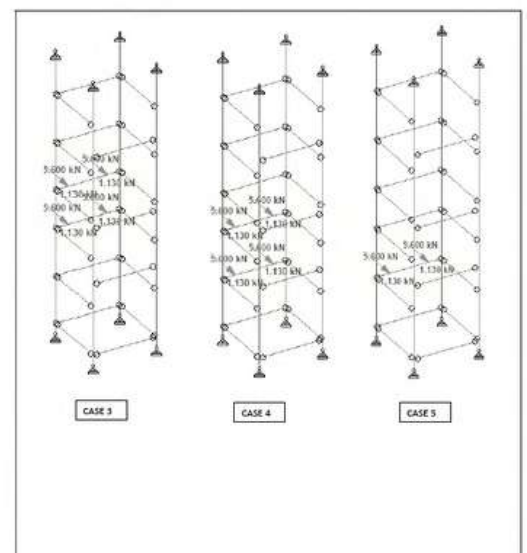
Consultant : ACCESS ENGINEERING CONSULTANCY

Contractor : AL SIRAT CONTACTING L.L.C

Scope of Work : Structural Modeling and Design



 DESIGN REPORT	Project: PROPOSED RESIDENTIAL VILLA (01/14)	Date: 25/05/19
	Title: STEEL STRUCTURE DESIGN REPORT FOR LIFT SHAFT FRAME	Designed By: Wrenze (Structural Steel Design)
	Client / Consultant: ACCESS ENGINEERING CONSULTANCY	Rev No.1





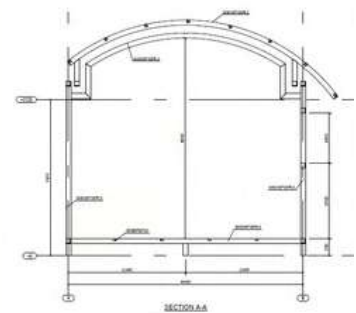
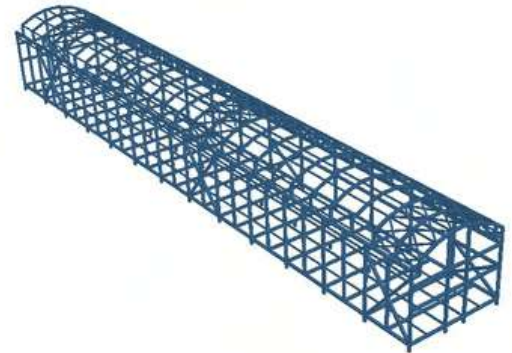
- **H-Hotel Social Club (Openable Roof)**

Client: H-Hotel

Location : Abu Dhabi

Consultant : Vision Engineering Consultancy

Scope of Work : Structural Design



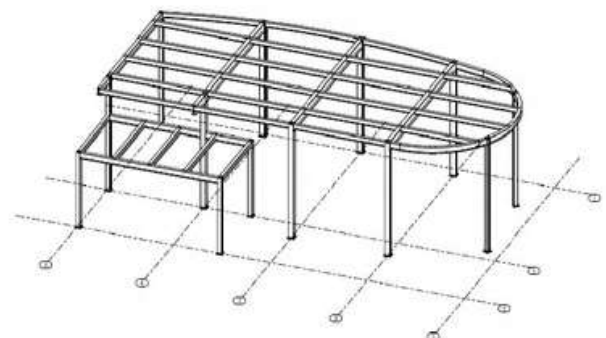
- **Steel Structure Home Gym**

Client: Mr. Ahmad Ali Khalfan

Location : AL Barsha - Dubai

Consultant : Wander Werner Falasi

Scope of Work : Structural Modeling and Design



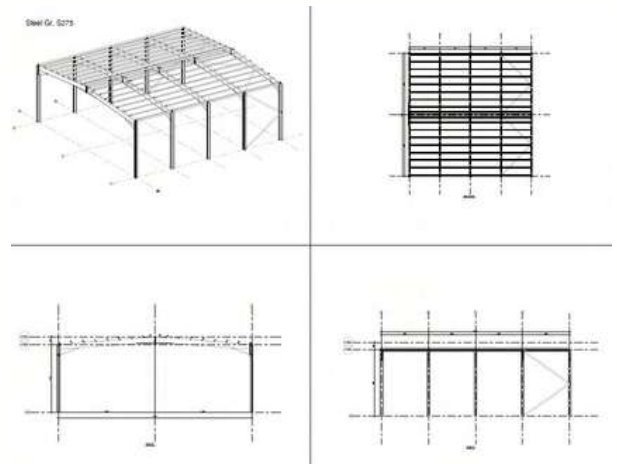


- **Proposed 31 Sheds in Dubai Fruit and Vegetable Market**

Client: Dubai Municipality

Location : Fruit and Vegetable Market - Dubai

Scope of Work : Structural Design & Cost Estimation



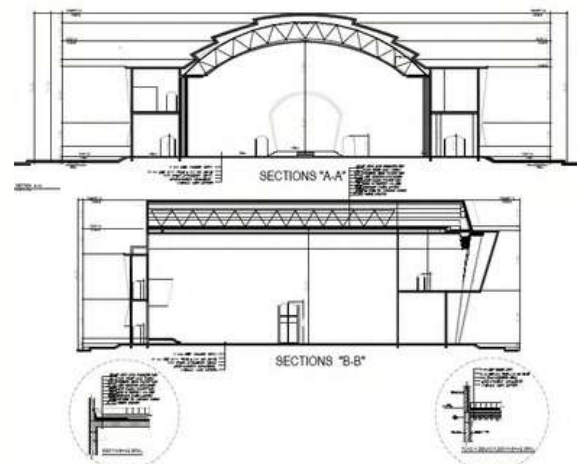
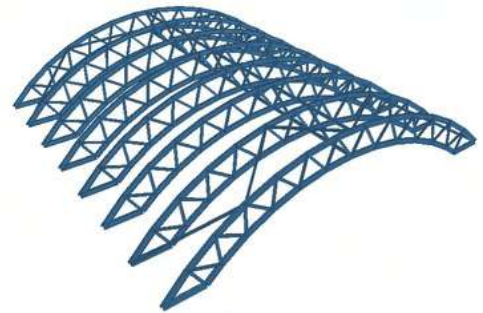
- **Curved Roof Truss Wedding Hall**

Client: Mr. Ahmad Ali Khalfan

Location : AL Barsha - Dubai

Consultant : Arabesk Engineering Consultancy

Scope of Work : Structural Modeling and Design





Other Projects

ID	Project	Client	Location
1.	AC Steel Structure Platform at the Roof Level	Al Badi Construction Contracting L.L.C	Dubai - ALqouz
2.	Anchorage to the Existing R.C.C Ware Tank	Al Manal Shading Company L.L.C	Qatar - Doha
3.	Warehouse Roof Extension	Al Basha Steel Company L.L.C	UAE - Ajman
4.	Villa Steel Structure Extension	Ali Salim Al Shibani	UAE - Dubai
5.	Azerbaijan Pavilion Handrail Anchorage	Amzan Middle East L.L.C	UAE - Dubai- Expo 2020
6.	Palestine Pavilion Glass Parapet Anchorage	Amzan Middle East L.L.C	UAE - Dubai- Expo 2020
7.	UK Pavilion Lift Hook	QA Construct Contracting L.L.C	UAE - Dubai- Expo 2020
8.	Czech Pavilion AC Chillers Platforms	QA Construct Contracting L.L.C	UAE - Dubai- Expo 2020
9.	Circular Steel Lift Shaft	Al Basha Steel Company L.L.C	UAE - Dubai
10.	Additional Mezzanine in DIC	Smarm Desk Interior L.L.C	UAE - Duba
11.	Additional Mezzanine Offices & Toilet	Hancon Contracting Comapny L.L.c	UAE - Duba
12.	Interior Steel in the Address Foundatin Views	lafayette Technical Services I.l.c	UAE - Duba
13.	Steel Warehouse & Mezzanine	Al Sirate Steel Construction L.L.C	UAE - Sharjah
14.	Additional Mezzanine	Al Sirate Steel Construction L.L.C	UAE - Dubai
15.	Two Pedestrain Bridge Lift Shafts	Ajman Municipality	UAE - Ajman
16.	Steel Commercial Building and Warehouse	Department of Urban Planning	UAE - Abu Dhabi
17.	Connections Design For Ticket Office	Hilaco Contracting Company	UAE - Dubai
18.	Car Parking Shed	Ertifaa ALumnimum And Glass	UAE - Al Ain
19.			
20.			



COMPUTER SOFTWARE



- Staad Pro V8i
- Staad Foundation Advanced
- Staad Concrete Advanced
- Ram Connections
- Limcon



- ETABS
- CSI SAFE
- Saap 2000
- CSI Bridges



- Tekla Structure
- Tekla Structural Designer
- Tekla Tedds



- AutoCAD
- Autodesk Revit
- Advance Steel



- RSTAB
- RFEM
- Dlubal Crane Way

- **Other Applications**

- Hilti Profis Anchor



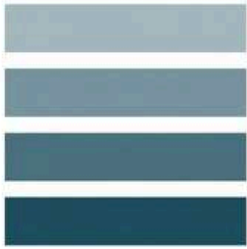
- Master Series

- Idea Statica



- Prokon

- Own Excel Spreadsheets



WRENZE STEEL

Structural Steel Design and Detailing



RELIABLE ECONOMIC DESIGN

Mobile: +971 54 3582 558

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Web: www.wrenze.com

Dubai - UAE