

STRUCTURAL CONSULTANCY SERVICES



Get in touch.

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info@ambicaassociates.in

About Us

Ambica Associates is a premier civil and structural engineering firm committed to delivering **innovative, cost-effective, and sustainable** structural design solutions. Led by a **Chartered Engineer with The Institute of Engineers (India)**, we specialize in **RCC and Steel structures, including Pre-Engineered Buildings (PEB)**.

Our firm is **registered with:**

- ✓ **Vadodara Municipal Corporation (VMC)**
- ✓ **Vadodara Urban Development Authority (VUDA)**

Our Mission

To provide **high-quality, reliable, and efficient structural design solutions** that meet client expectations while ensuring structural integrity, sustainability, and cost-effectiveness.

Our Vision

To be recognized as a **trusted leader in civil and structural engineering**, setting industry benchmarks in **innovation, quality, and customer satisfaction**.

Our Experience & Expertise

- ✓ **Industry Knowledge:** Extensive experience in **RCC buildings, steel structures, PEB, retaining walls, foundation designs, and more.**
- ✓ **Software & Technology:** Expertise in industry-leading **structural analysis and design software** for optimal engineering solutions.
- ✓ **Code Compliance:** Proficiency in **Indian and international design codes**, ensuring **structural safety and regulatory compliance.**
- ✓ **Project Portfolio:** A diverse range of projects spanning **commercial, industrial, and infrastructure sectors.**



Our Services

Our Services

At **Ambica Associates**, we offer a comprehensive range of **civil and structural engineering services**, ensuring that every project is designed with **safety, efficiency, and cost-effectiveness** in mind. Our expertise in **structural design and analysis** covers **RCC and Steel structures**, including **Pre-Engineered Buildings (PEB)** for **industrial, commercial, and residential projects**. We specialize in **seismic and wind load analysis, foundation and substructure design**, ensuring stability and durability.

Our **structural drawing and detailing** services include **general arrangement drawings (GA), reinforcement detailing, fabrication drawings, connection design, and bar bending schedules (BBS)**, providing precise execution and seamless construction. We also excel in designing **retaining structures and earth retention systems**, including **cantilever and counterfort retaining walls, sheet pile walls, diaphragm walls, gabion walls, and gravity walls**.

In the field of **water and utility structures**, we provide **design solutions for underground (UG) tanks, STP tanks, water retaining structures, and overhead water tanks (OHT)**, ensuring structural integrity and long-term performance. Our **industrial and infrastructure engineering services** cover **pipe racks, equipment supporting structures, machine foundations, chimneys, towers, warehouses, and factory structures**, addressing complex engineering challenges with precision.

We also specialize in **retrofitting and strengthening** of existing structures through **structural audits, rehabilitation design, and retrofitting of RCC and steel structures**, enhancing their strength and service life. Additionally, our **project consultation and compliance services** include **structural stability certification, peer review, proof checking, and compliance with IS, AISC, and MBMA standards**, along with **value engineering to optimize costs without compromising quality**.

At **Ambica Associates**, we are committed to delivering **high-quality engineering solutions** tailored to meet the unique needs of every project. Our goal is to provide designs that are not only **technically sound but also sustainable and cost-effective**, ensuring success at every stage of development.

Why Choose Us?

At **Ambica Associates**, we are committed to delivering **innovative, cost-effective, and sustainable** structural design solutions. With a **Chartered Engineer from The Institute of Engineers (India)** leading our team, we bring **over five years of expertise** in designing **RCC and Steel structures, including Pre-Engineered Buildings (PEB)**. Our firm is **registered with GIDC, VMC, and VUDA**, ensuring smooth approvals and compliance with industry regulations.

We utilize **cutting-edge structural design software** like **STAAD.Pro, ETABS, SAFE, MAT 3D, RAM Connection, and RCDC**, guaranteeing **precision, efficiency, and adherence to IS Code, AISC, and MBMA standards**. Our **client-centric approach** focuses on **tailored design solutions, transparent communication, and timely project delivery**.

From **structural design and detailing to retrofitting, strengthening, and rehabilitation**, we offer a **comprehensive range of services** to meet the demands of **residential, commercial, industrial, and infrastructure projects**. Our expertise in **structural stability certification, proof checking, and value engineering** ensures **cost-effective solutions without compromising safety or quality**.

By integrating **modern engineering techniques** with a focus on **sustainability and long-term durability**, we strive to be a **trusted partner in civil and structural engineering**. Explore our **brochure** to discover how **Ambica Associates** can add value to your next project.

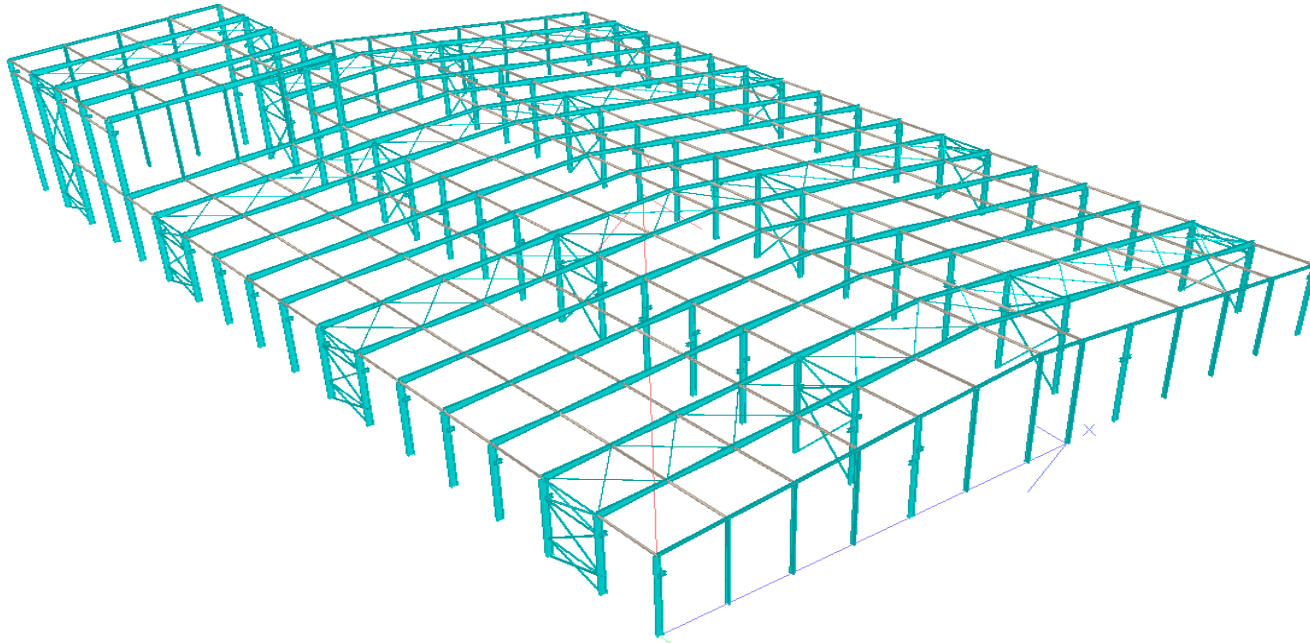


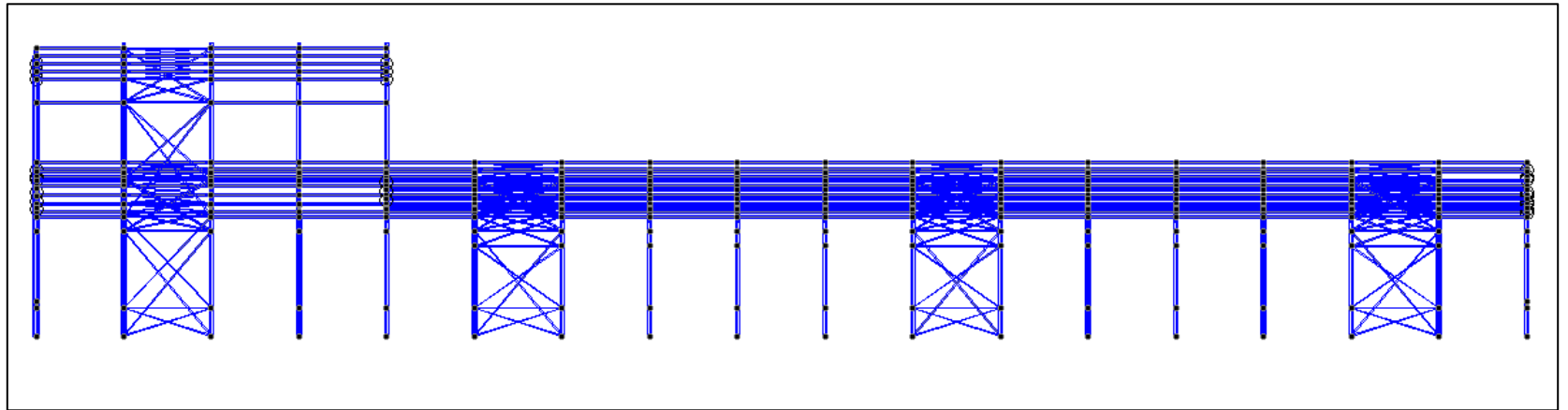
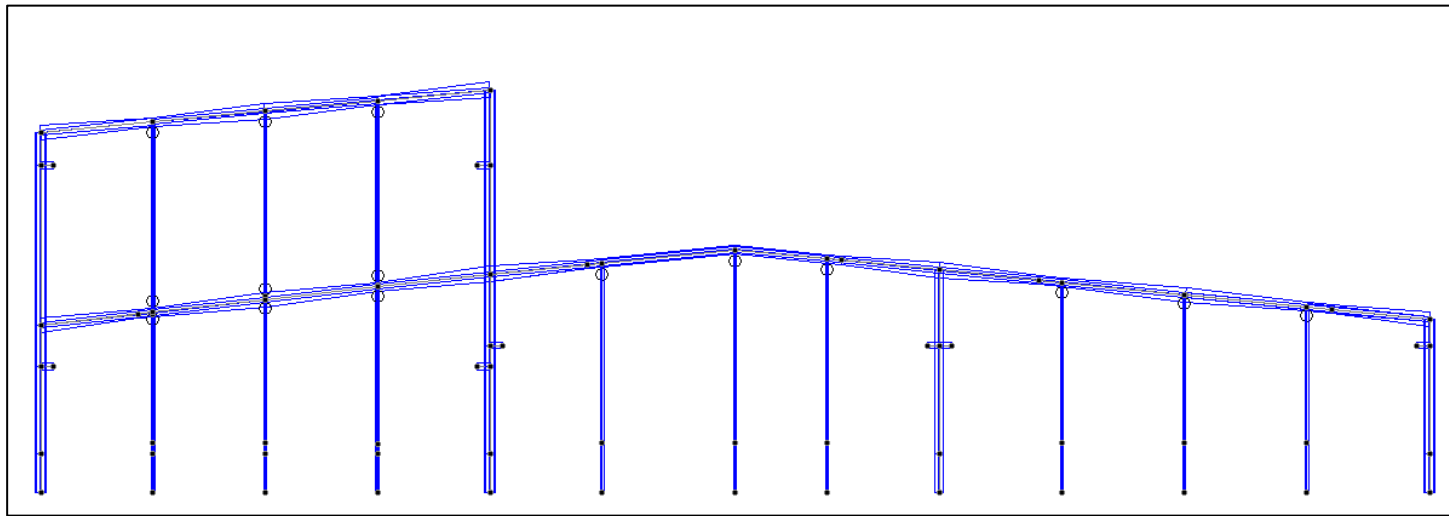
Our Projects

Project Location :- Rajasthan

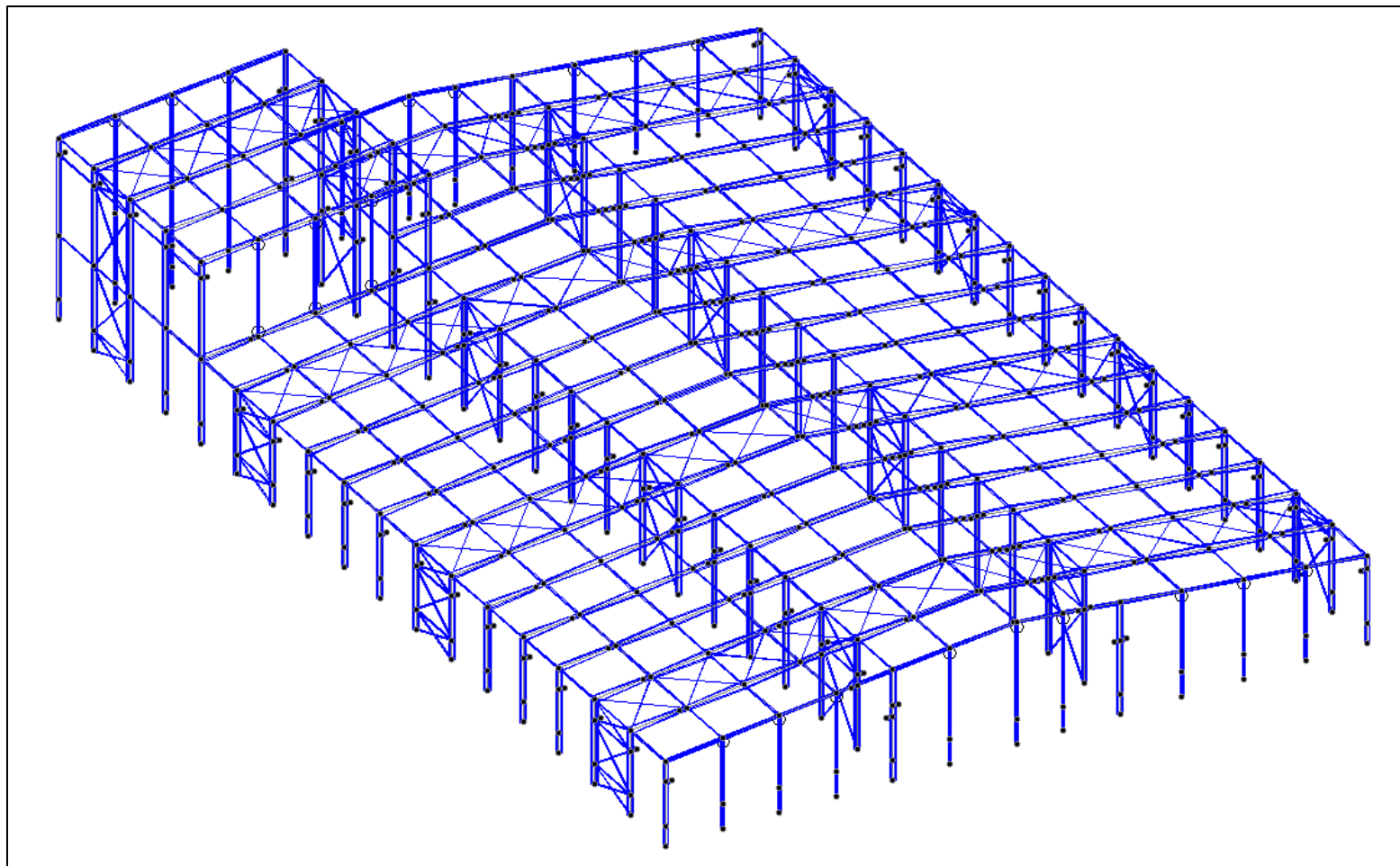
Description :-

Type of Structure : PEB Structure
Project Area : 11045 sqm.
Crane Capacity : 4 Nos – 5 MT
Clear Height : Low Bay - 10.6 meter & High Bay – 22 meter
Tonnage : 500 MT
Design Code : AISC, AISI, MBMA
Wind Speed : 47 M/S
Seismic Zone : II

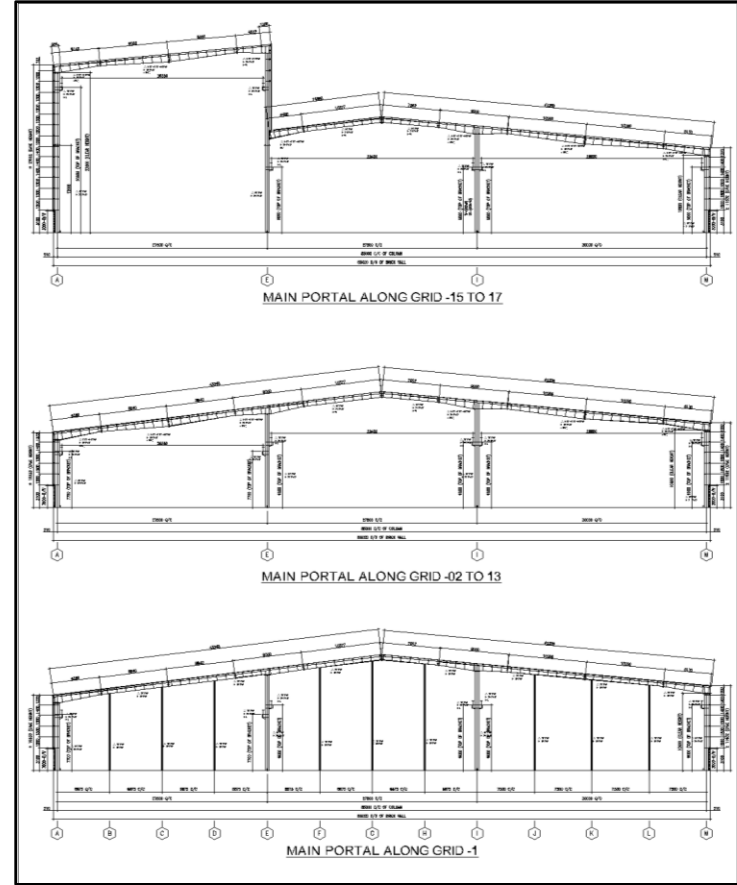
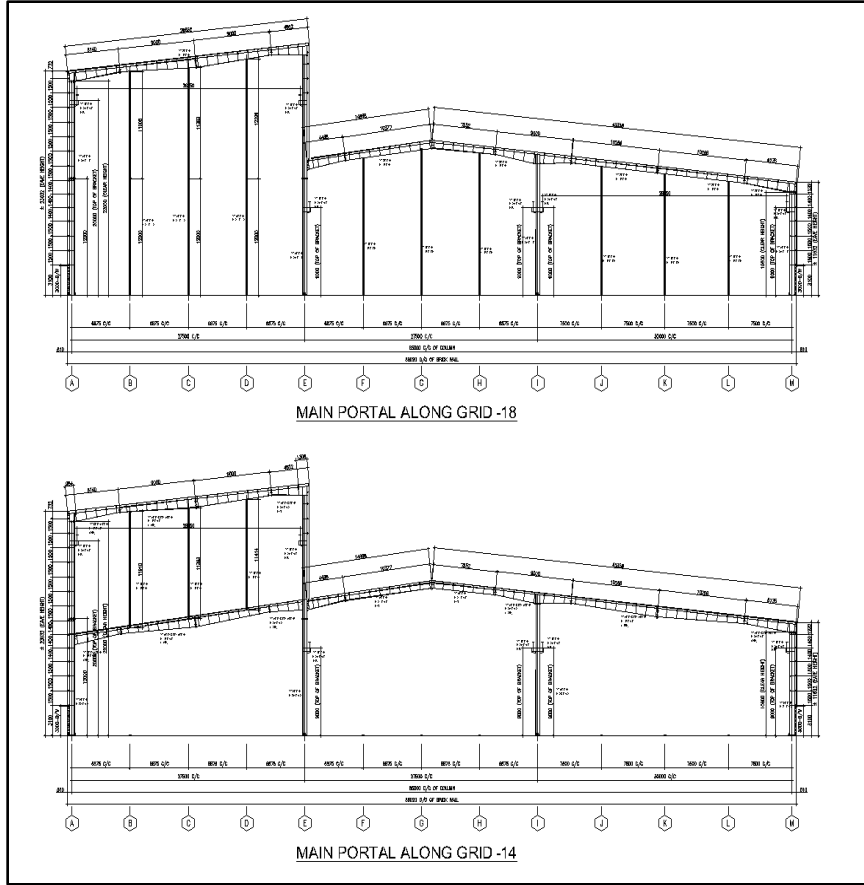




STAAD MODEL



3D STAAD MODEL

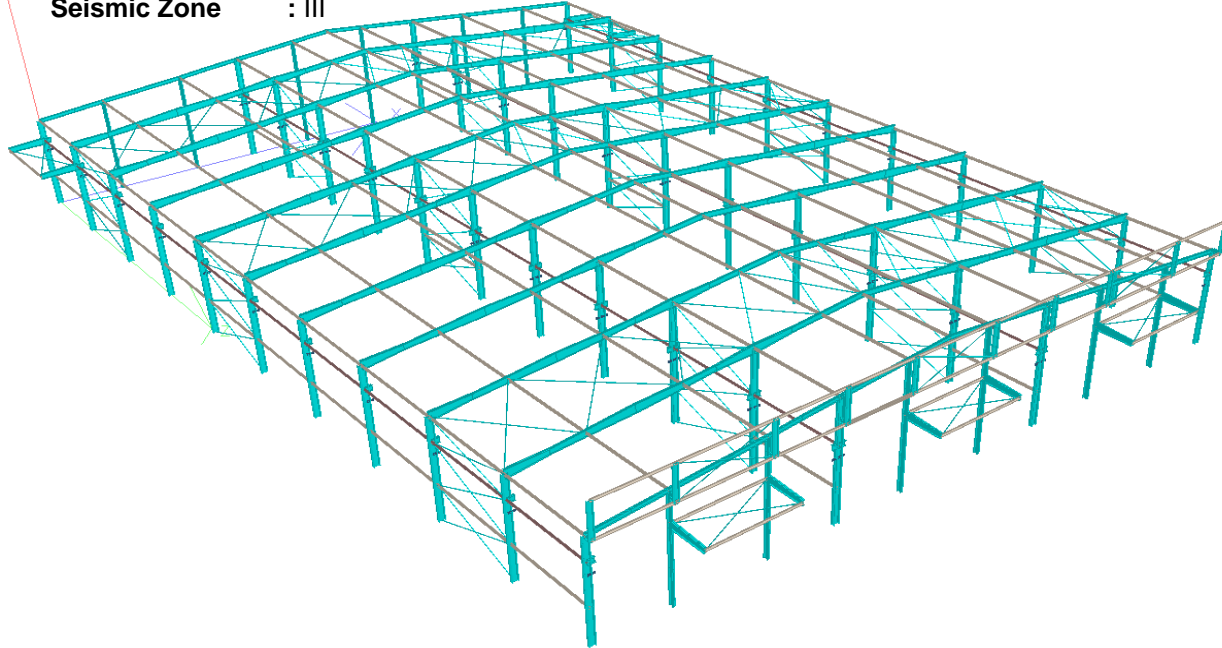


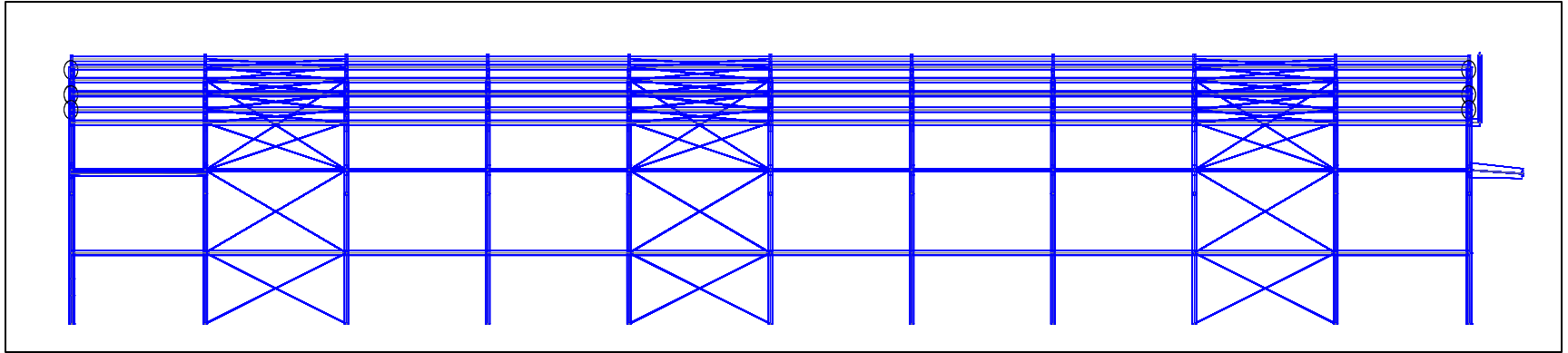
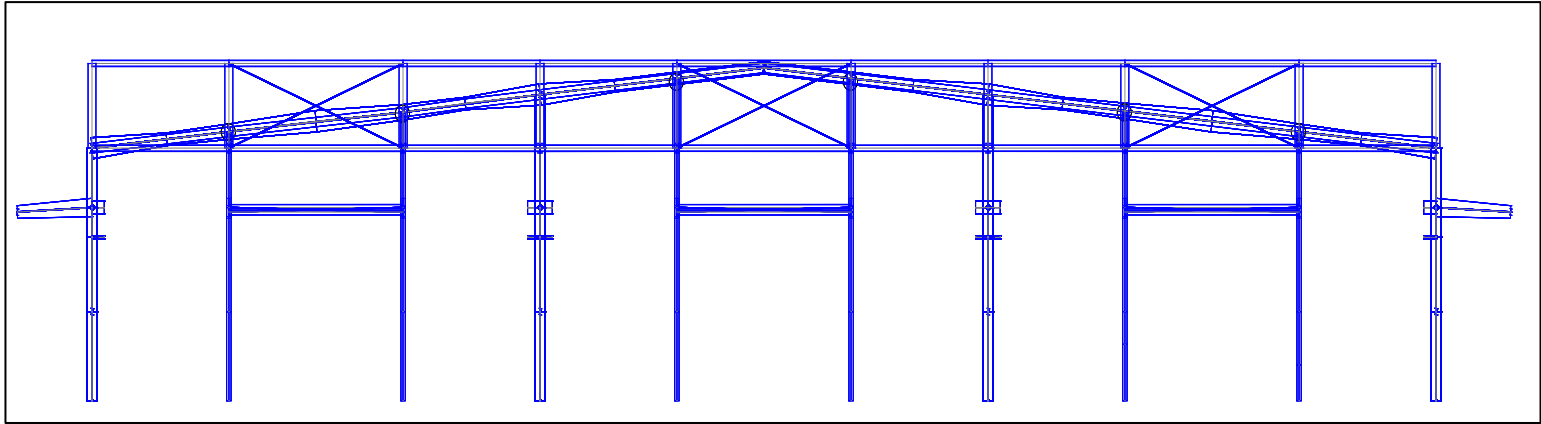
CROSS - SECTION

Project Location :- Vadodara, Gujarat

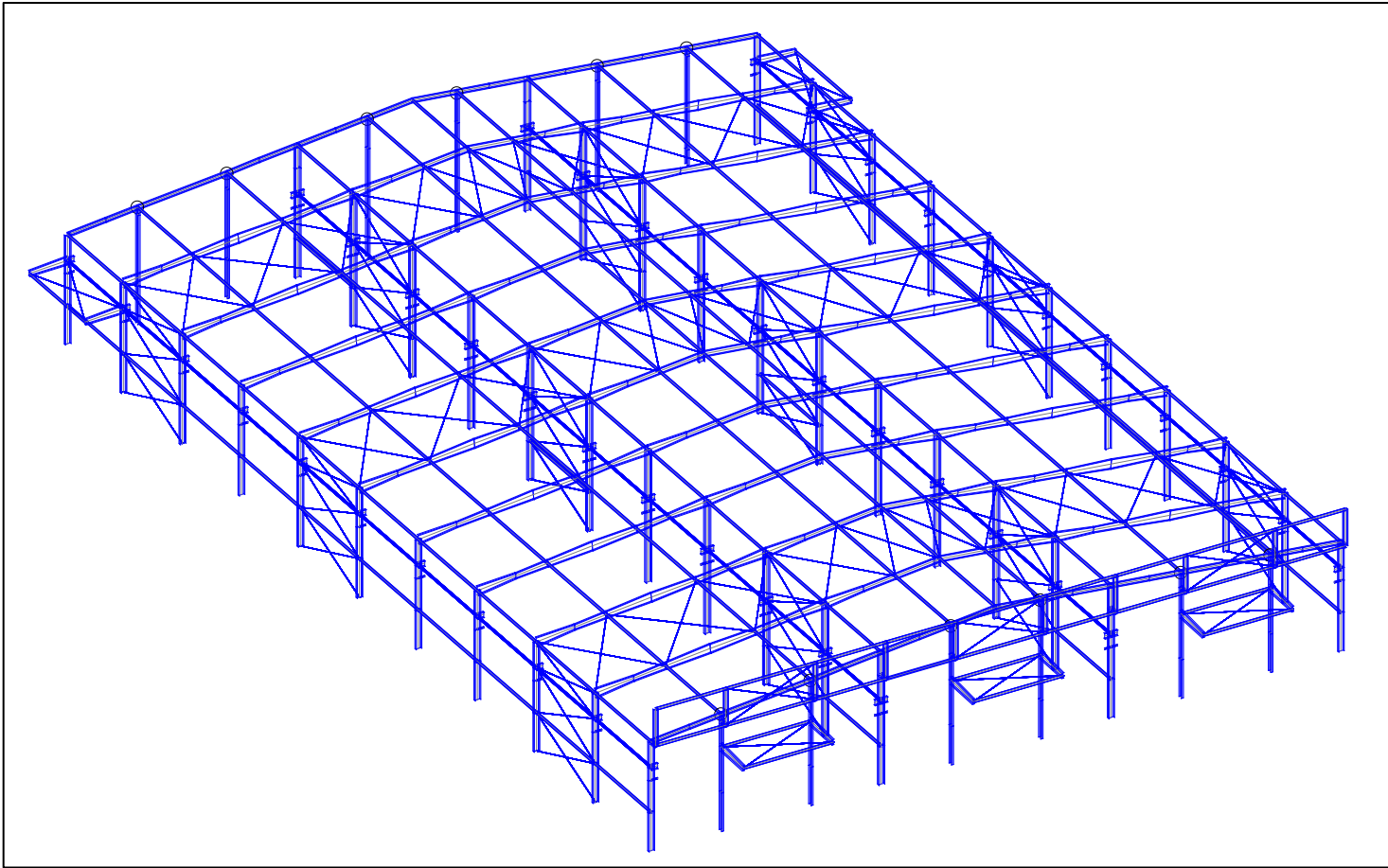
Description :-

Type of Structure : PEB Structure
Project Area : 4320 sqm.
Crane Capacity : 5 MT & 10 MT
Clear Height : 8 meter
Tonnage : 185 MT
Design Code : AISC, AISI, MBMA
Wind Speed : 39 M/S
Seismic Zone : III

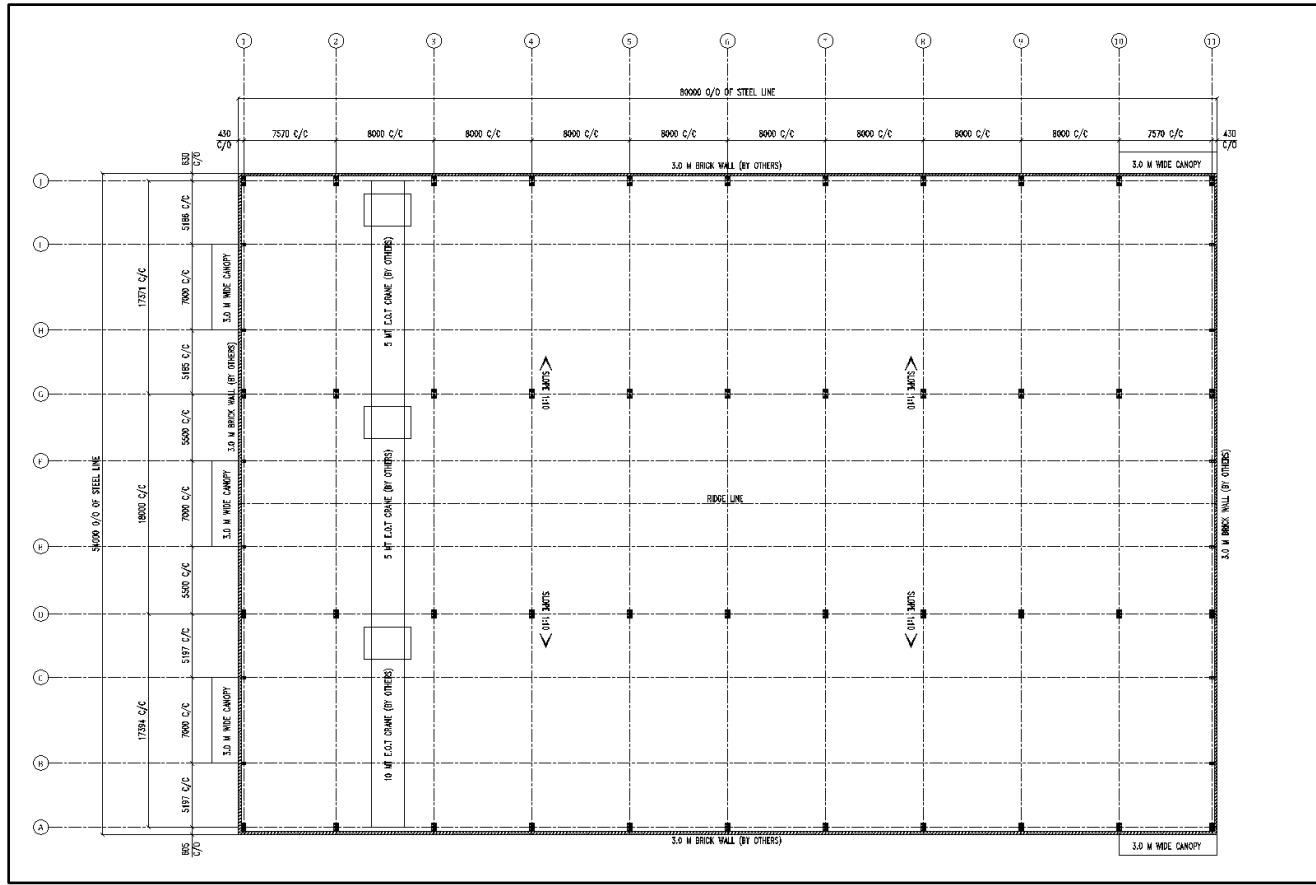




STAAD MODEL



3D STAAD MODEL

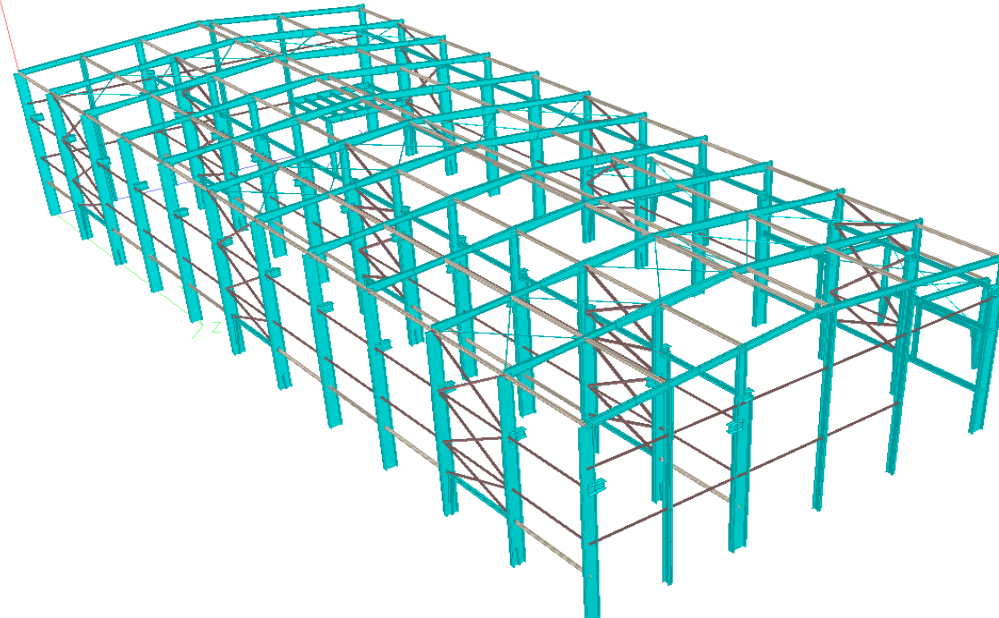


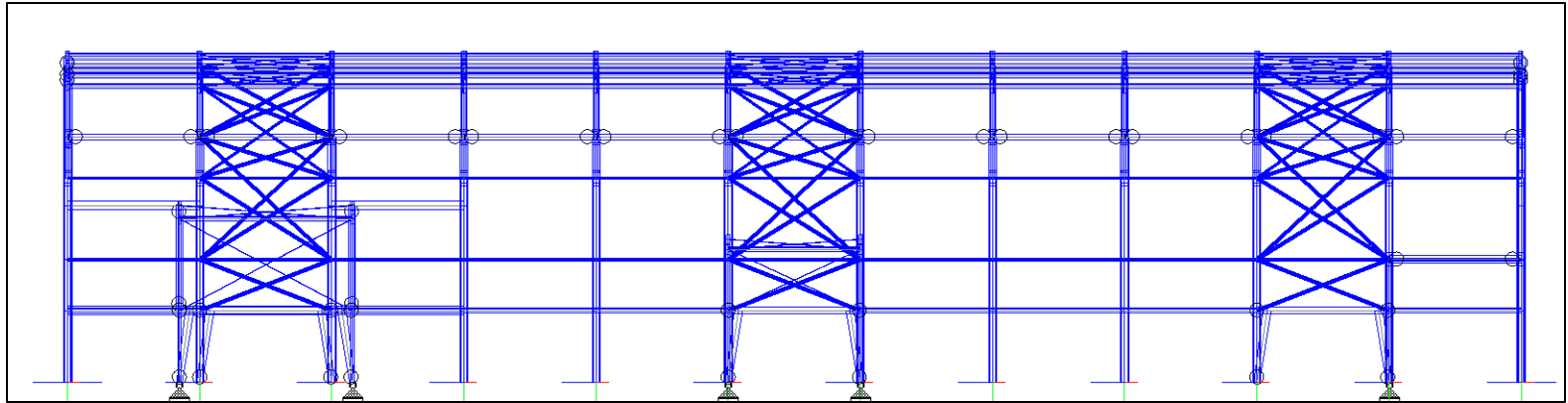
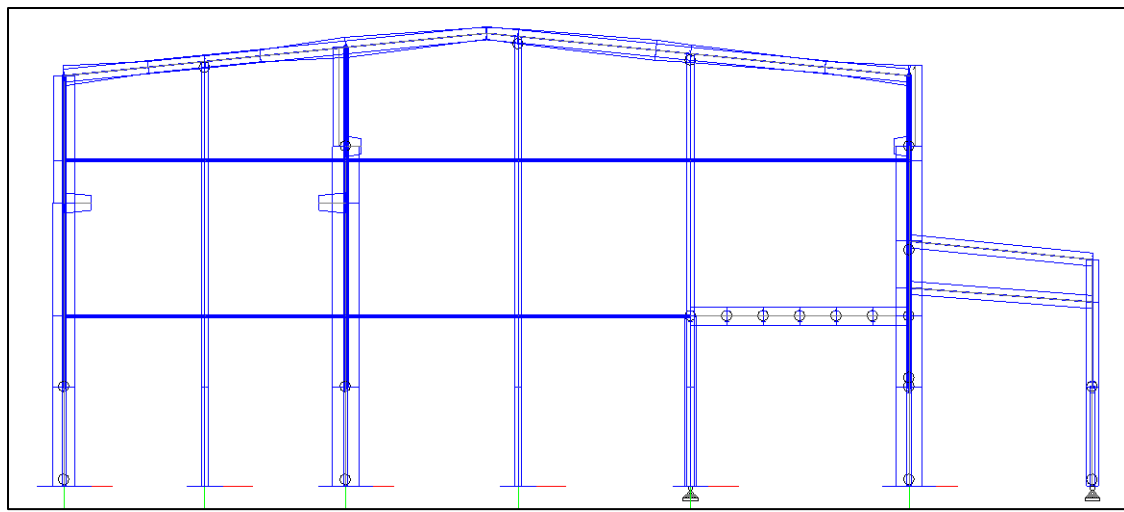
ANCHOR BOLT LAYOUT

Project Location :- Vadodara, Gujarat

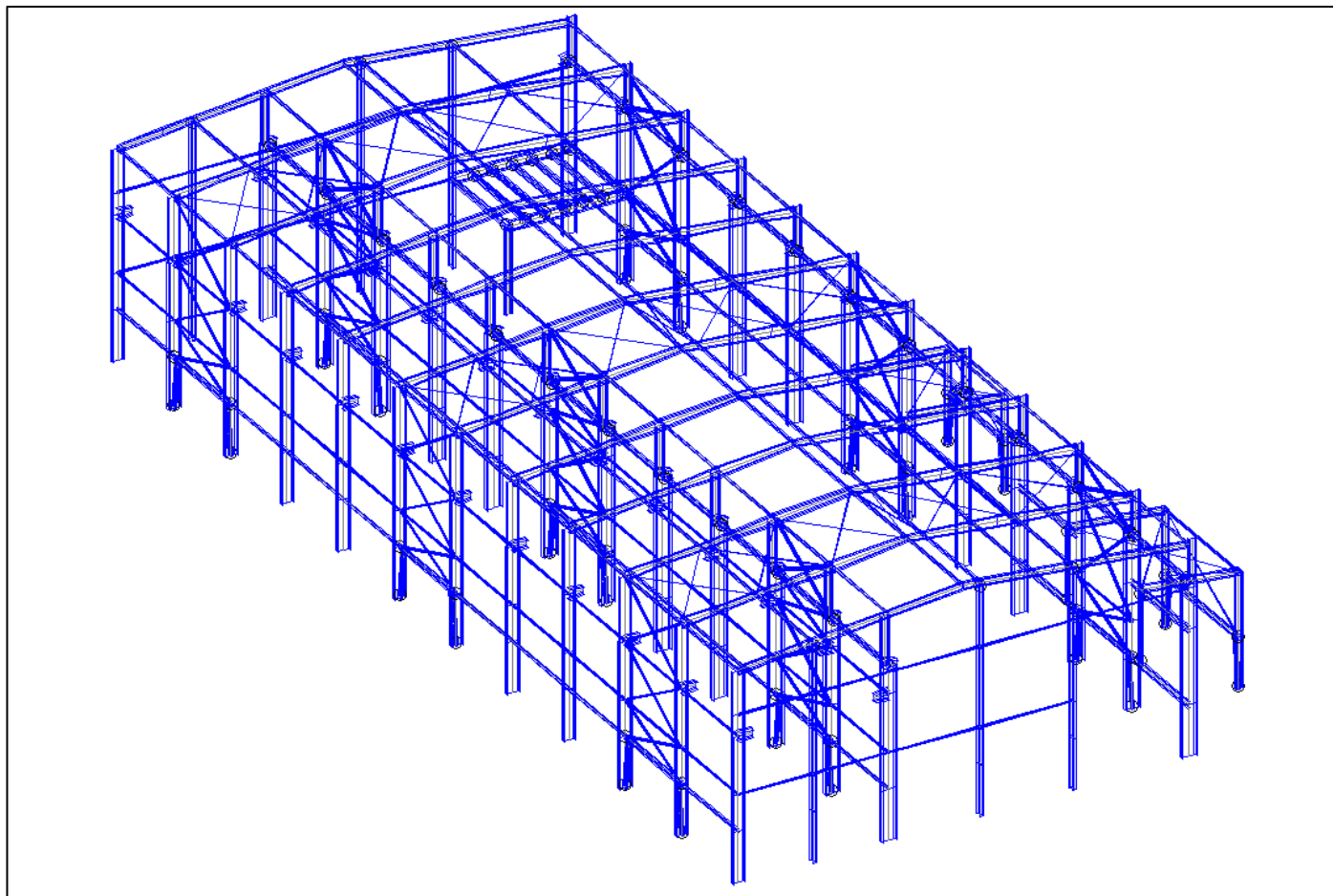
Description :-

Type of Structure : PEB Structure
Project Area : 2400 sqm.
Crane Capacity : 25 MT & 50 MT
Clear Height : 8 meter
Tonnage : 250 MT
Design Code : AISC, AISI, MBMA, WIND CAL. IS 875 – 2015
Wind Speed : 39 M/S
Seismic Zone : III





STAAD MODEL

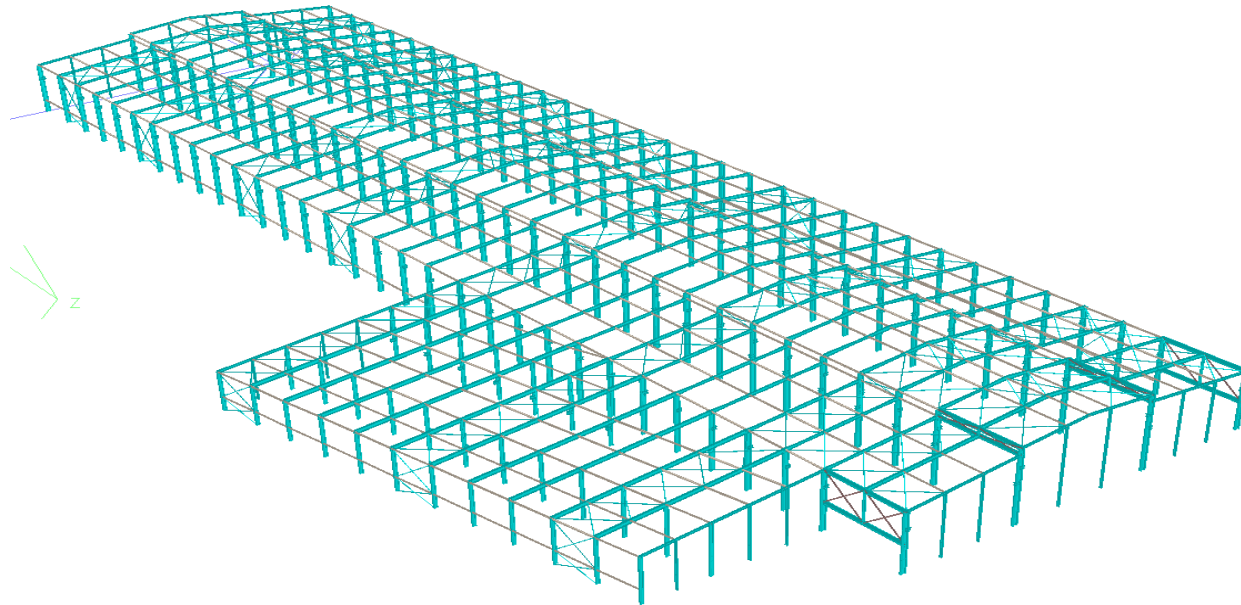


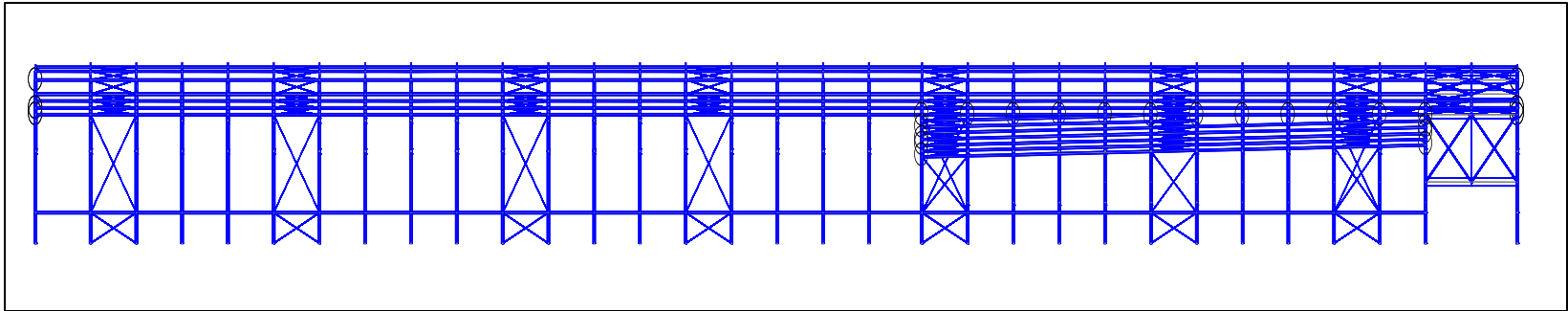
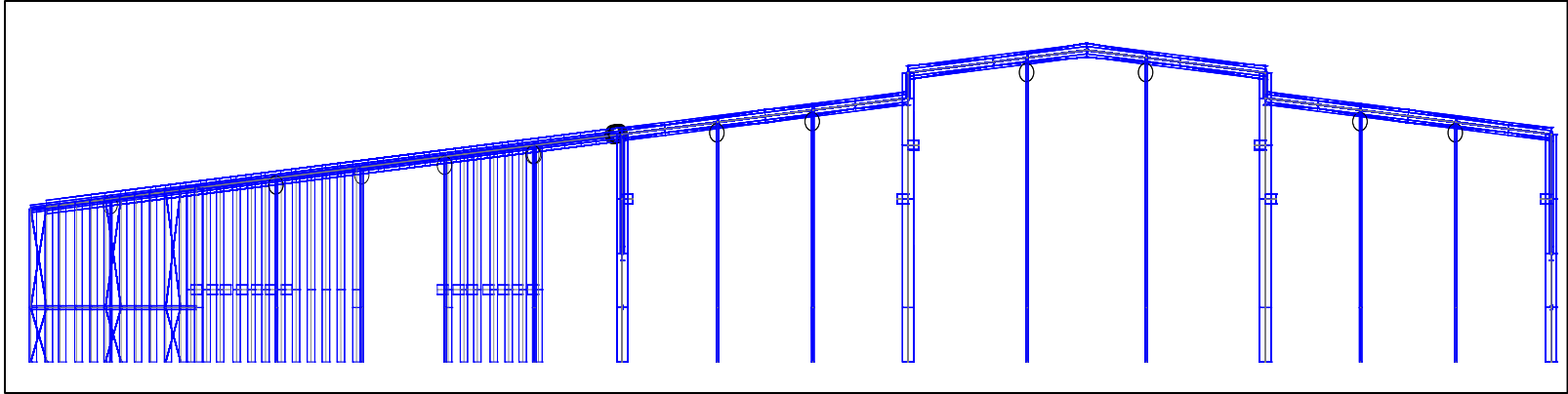
3D STAAD MODEL

Project Location :- Halol, Vadodara, Gujarat

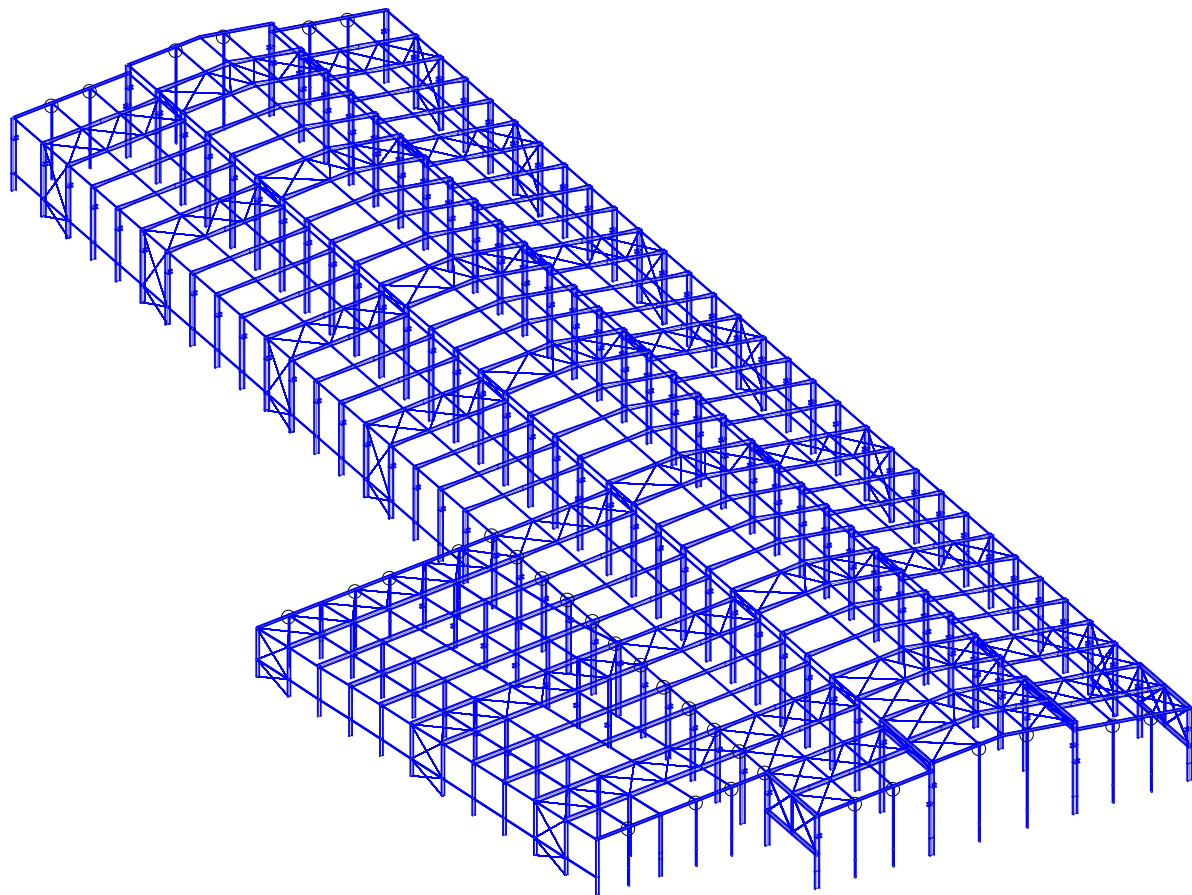
Description :-

Type of Structure : PEB Structure
Project Area : 19650 sqm.
Crane Capacity : 8 Nos - 10 MT , 2 Nos - 20 MT & 1 Nos – 40 MT
Clear Height : High bay - 14 meter & Low bay – 8 meter
Tonnage : 1040 MT
Design Code : AISC, AISI, MBMA
Wind Speed : 39 M/S
Seismic Zone : III

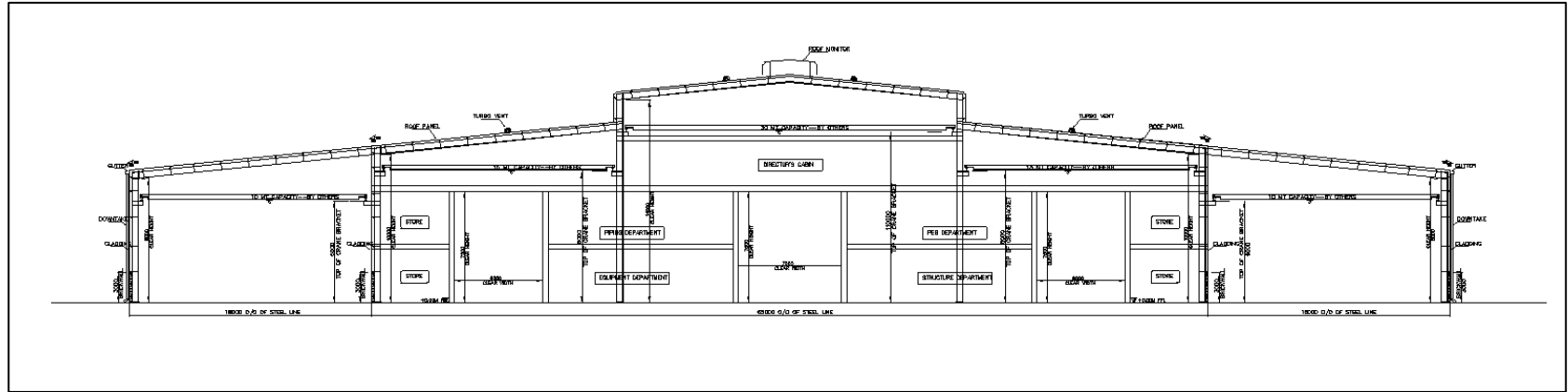
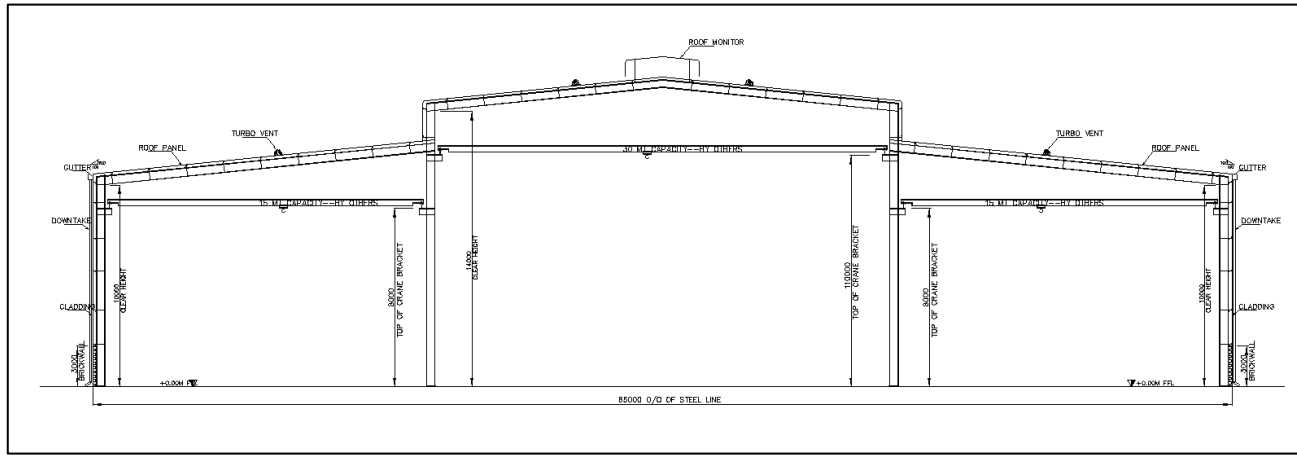




STAAD MODEL



3D STAAD MODEL

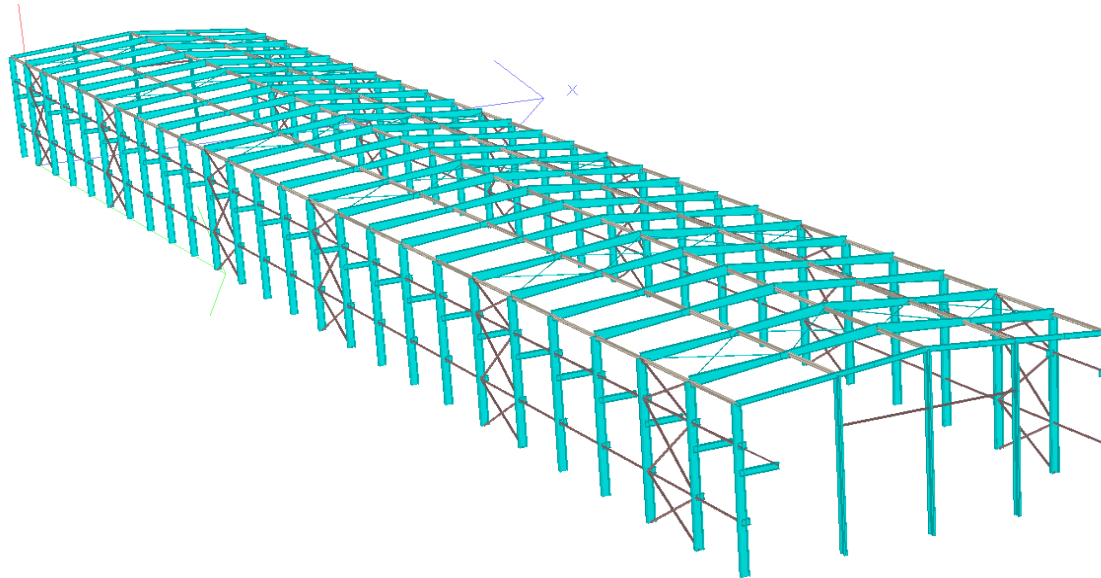


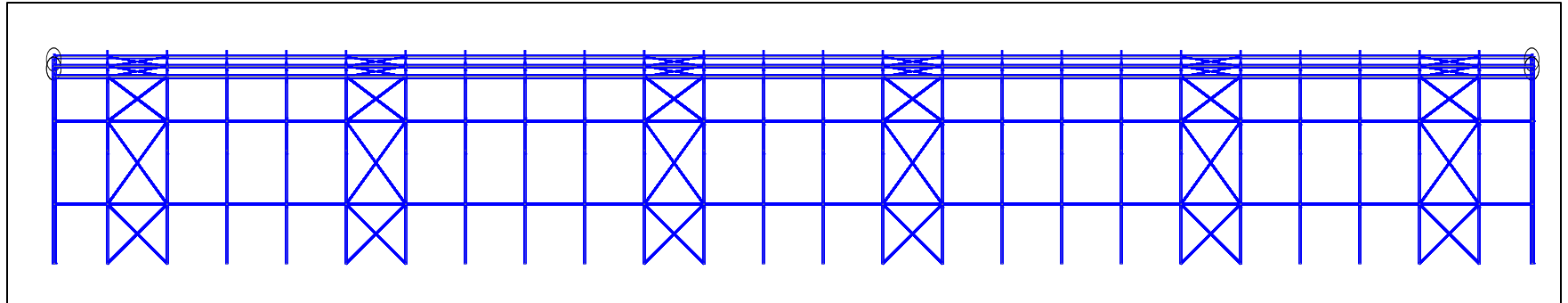
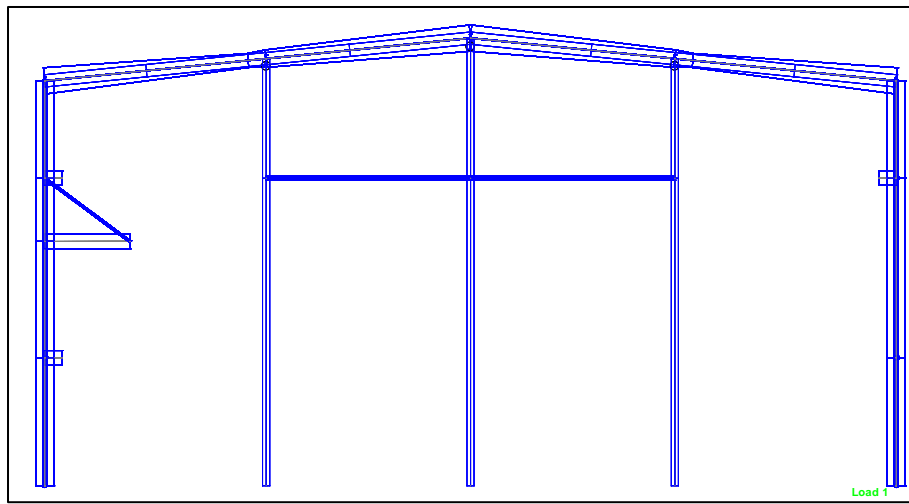
CROSS - SECTION

Project Location :- Vatva, Ahmedabad, Gujarat

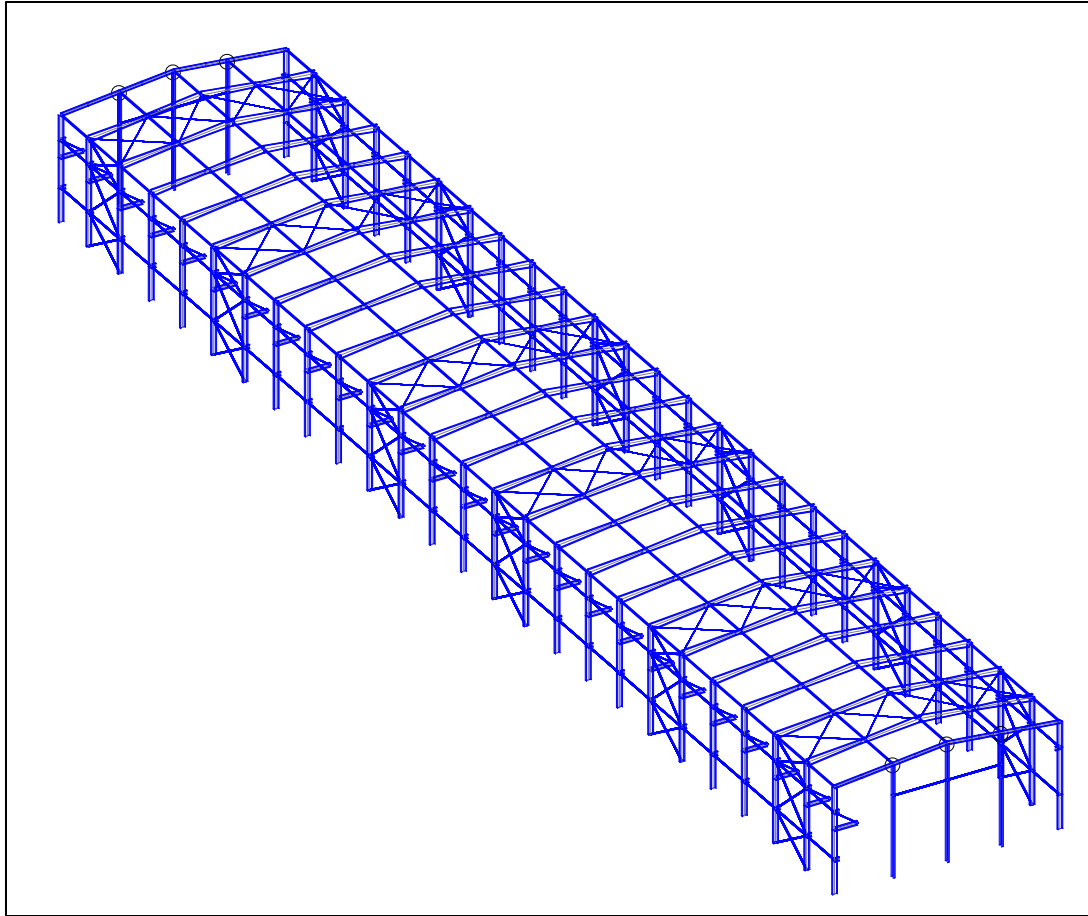
Description :-

Type of Structure : PEB Structure
Project Area : 3945 sqm.
Crane Capacity : 5 MT ,& 10 MT
Clear Height : 11 meter
Tonnage : 230 MT
Design Code : AISC, AISI, MBMA
Wind Speed : 39 M/S
Seismic Zone : III

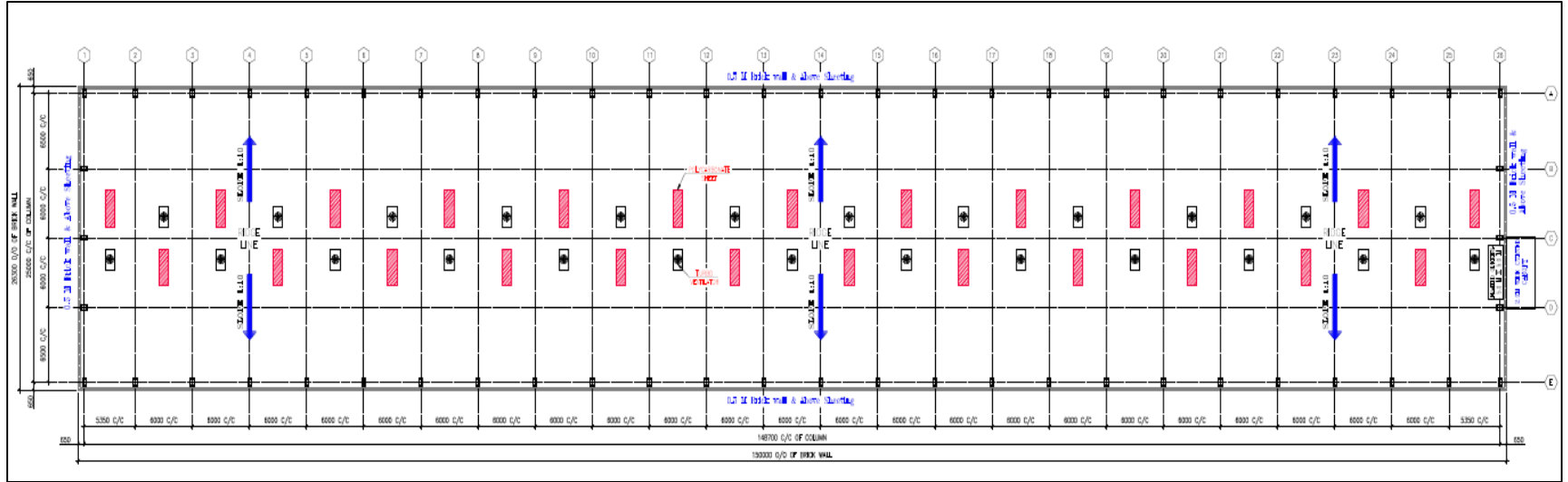




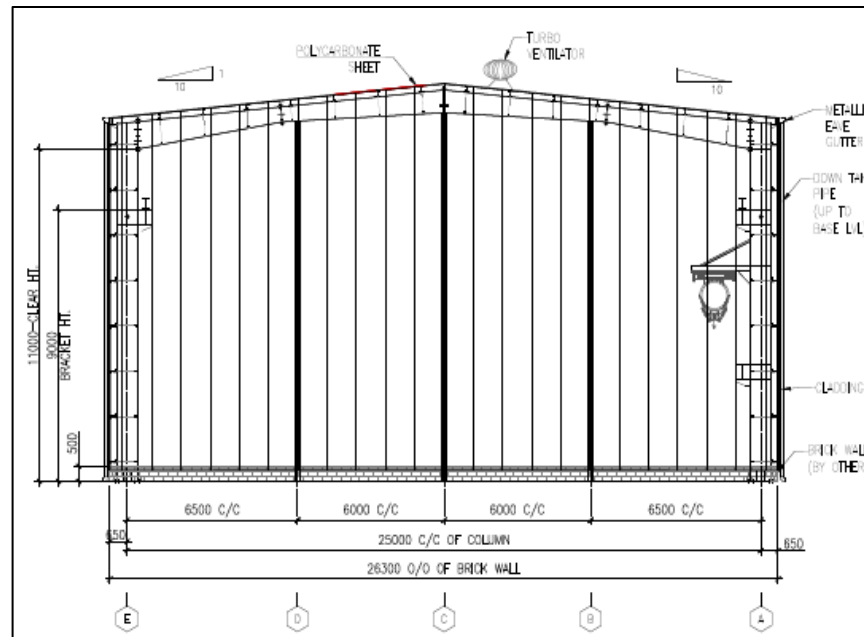
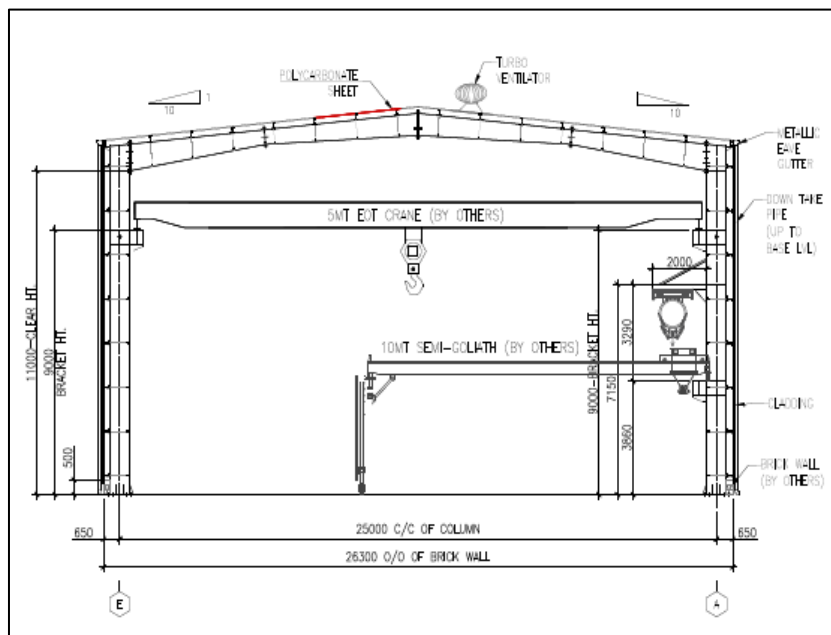
STAAD MODEL



3D STAAD MODEL



LAYOUT



CROSS - SECTION

Project Location :- Surat, Gujarat

Description :-

Type of Structure : Sport Complex (PEB Structure)

Project Area : 230 sqm.

Crane Capacity : NA

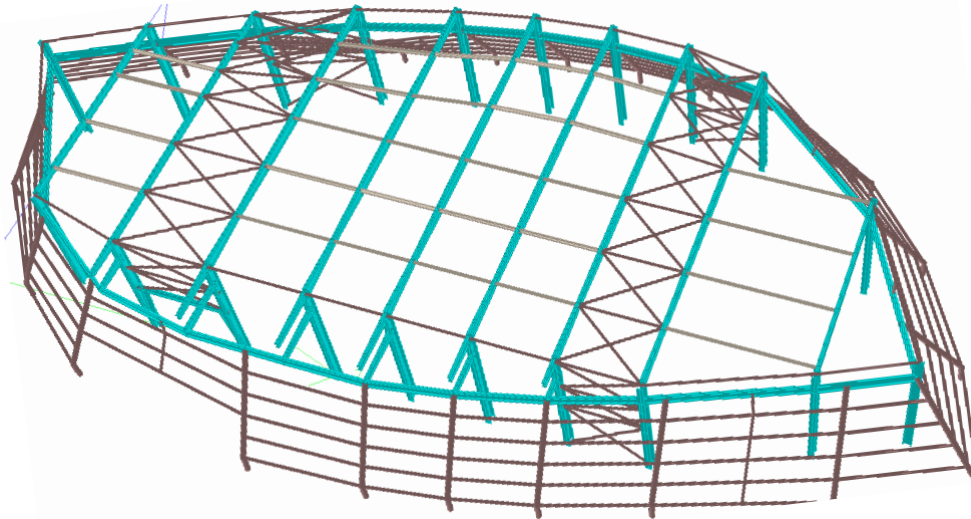
Clear Height : 10 meter

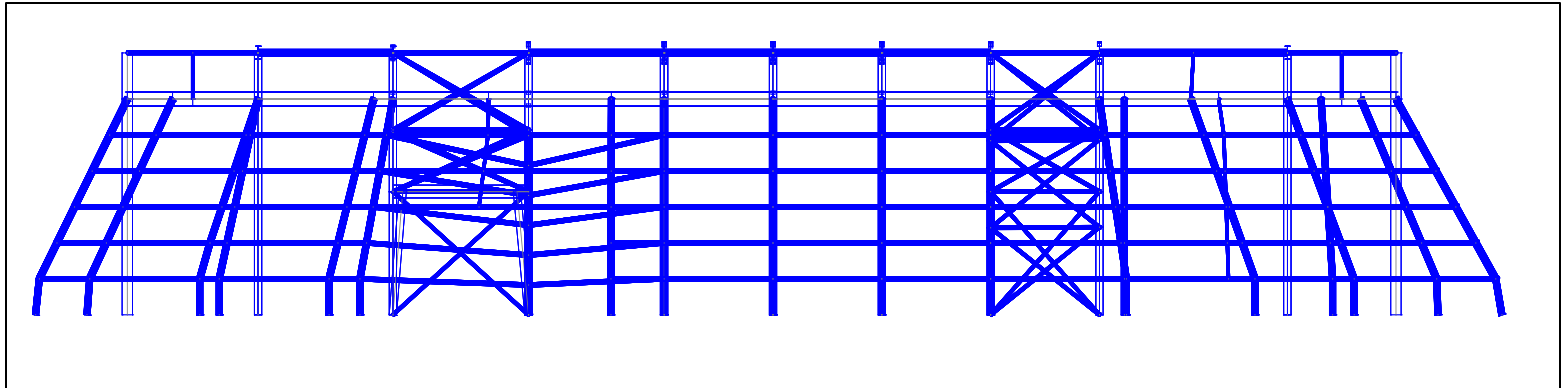
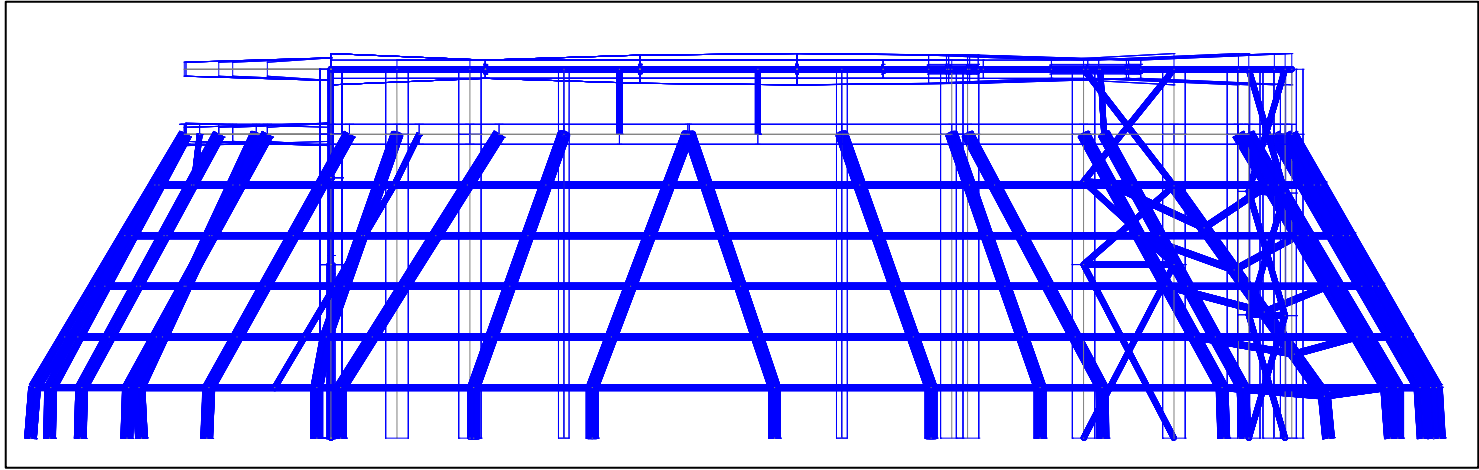
Tonnage : 120 MT

Design Code : IS 800 , IS 875

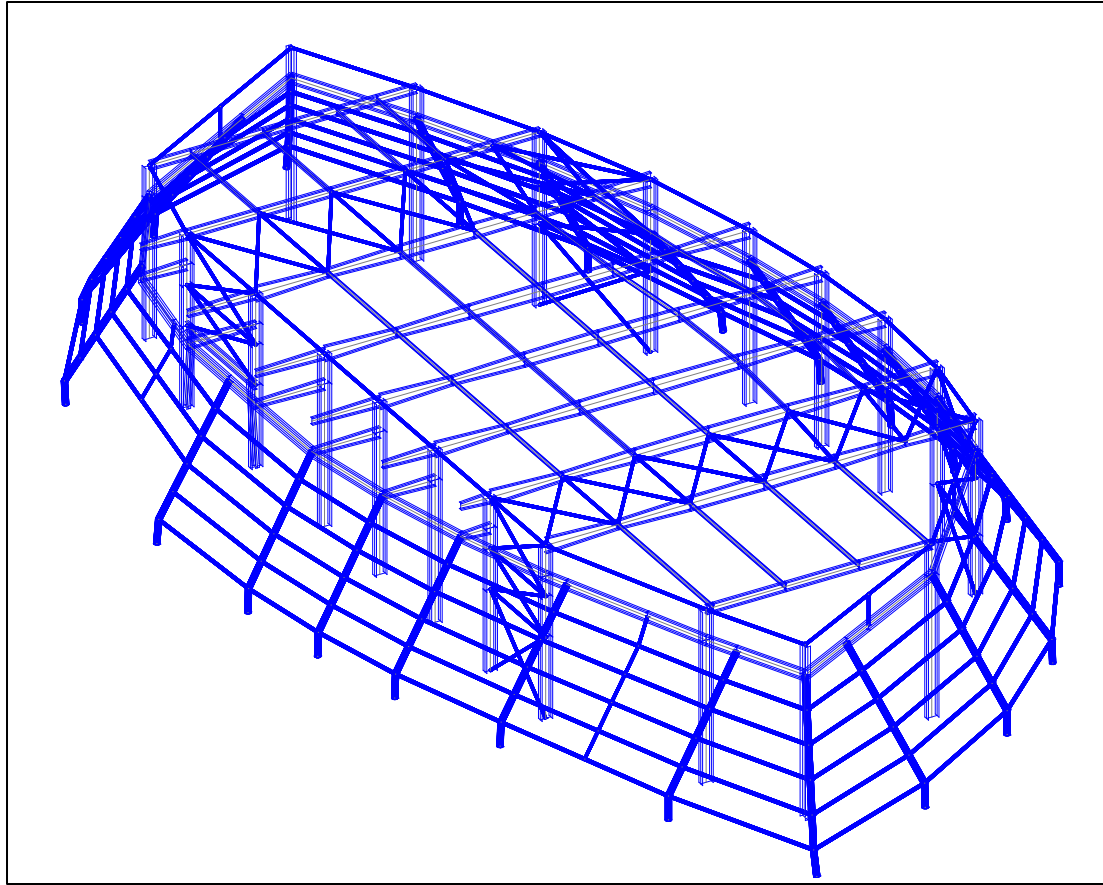
Wind Speed : 39 M/S

Seismic Zone : III

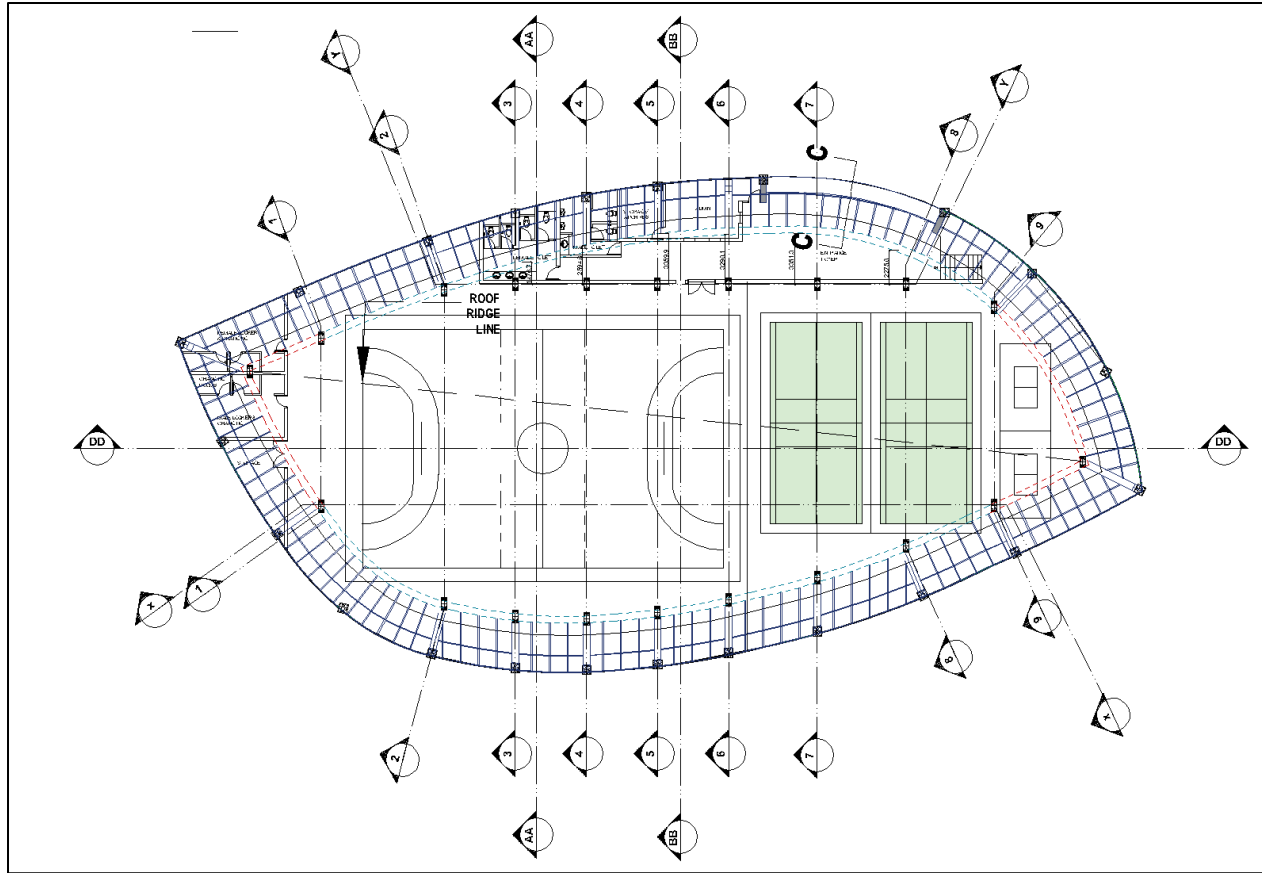




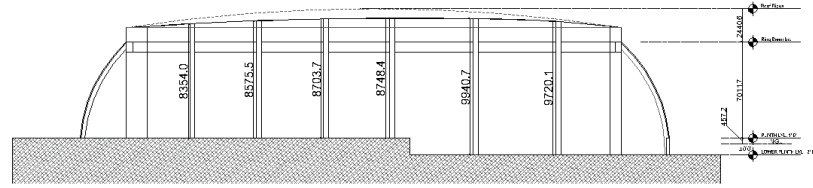
STAAD MODEL



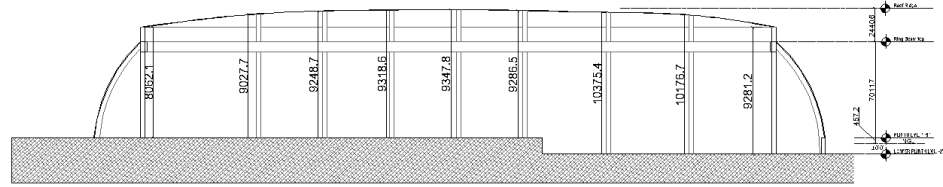
3D STAAD MODEL



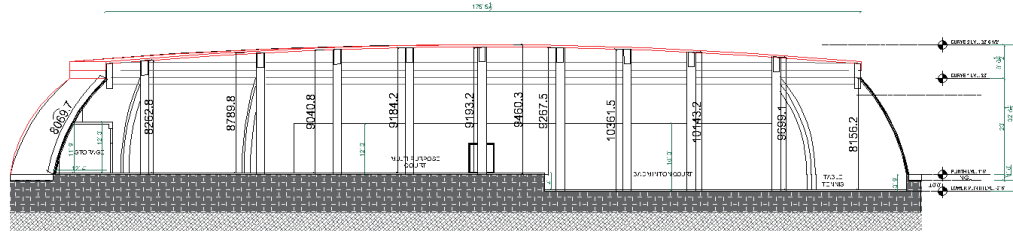
LAYOUT



SECTION-YY



SECTION-XX



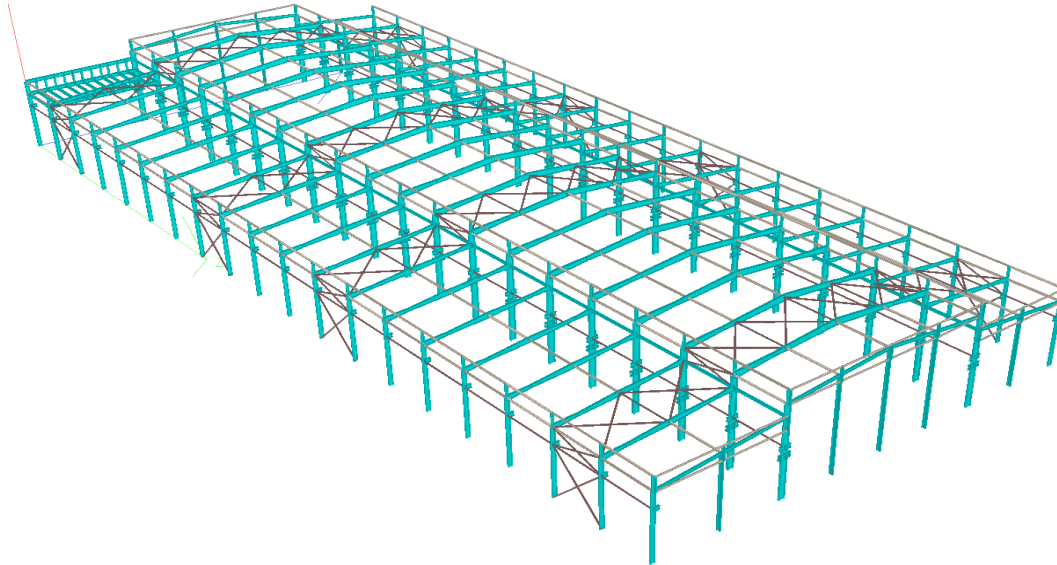
SECTION-DD

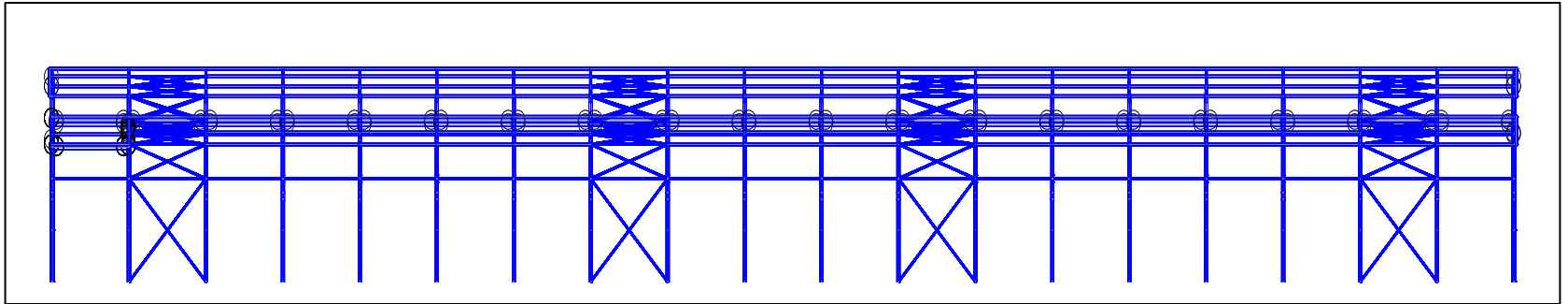
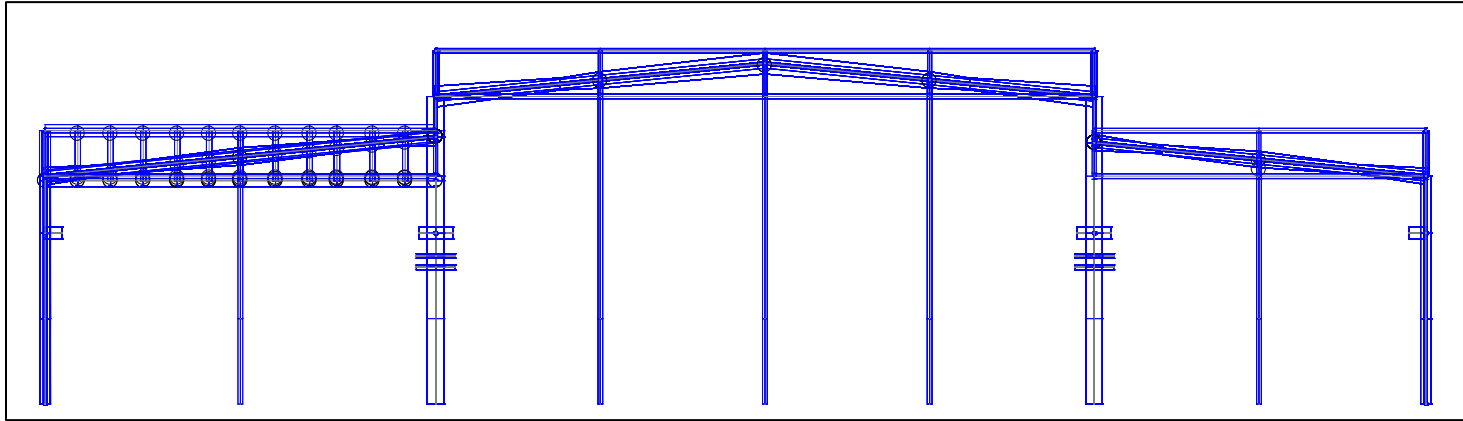
CROSS - SECTION

Project Location :- Malani Marble , Kishangarh , Rajasthan

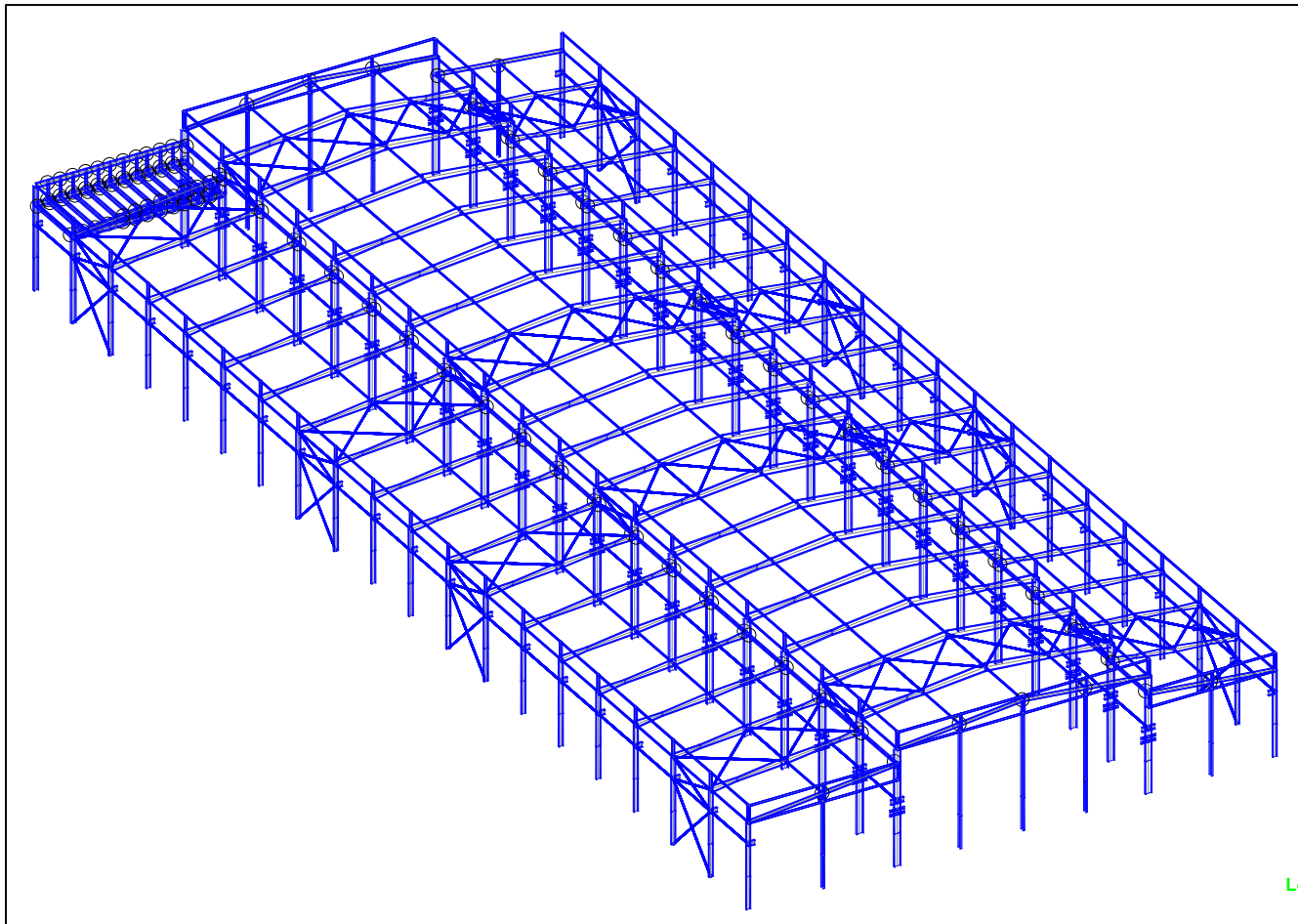
Description :-

Type of Structure : Production Unit (PEB Structure)
Project Area : 8835 sqm.
Crane Capacity : 6 Nos – 5 MT
Clear Height : Low bay -10 meter & High bay – 13.3 meter
Tonnage : 700 MT
Design Code : AISC,AISI,MBMA
Wind Speed : 47 M/S
Seismic Zone : II
Proof Check by : NIT Jaipur

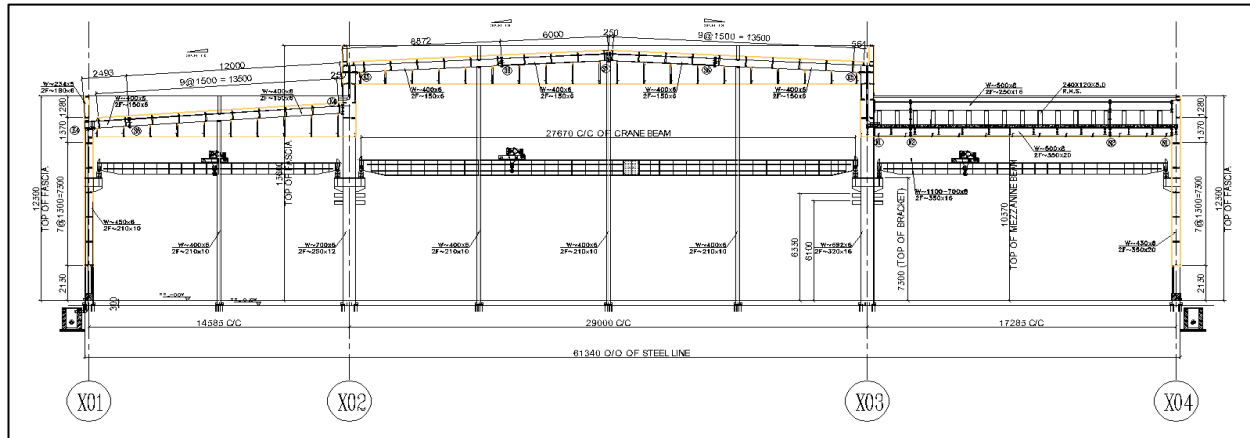
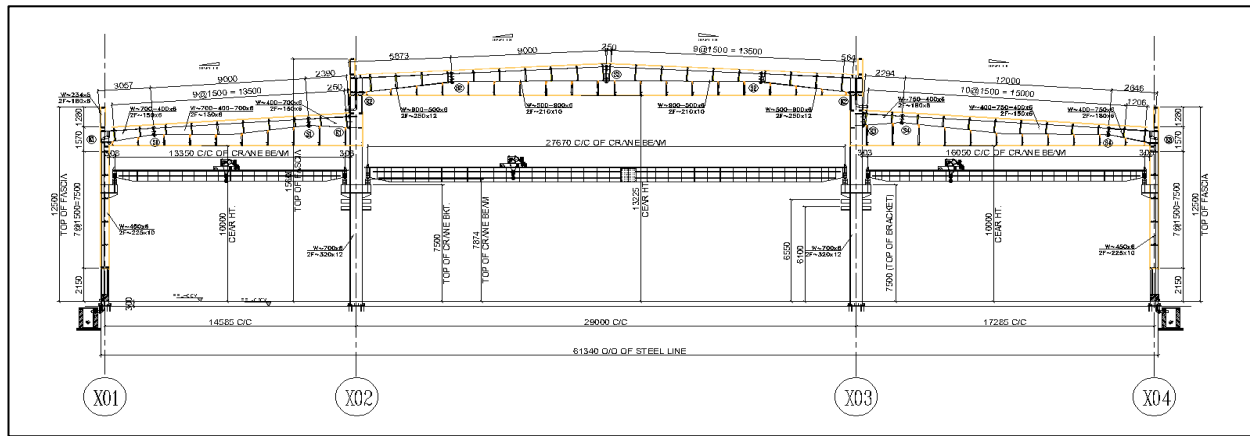




STAAD MODEL



3D STAAD MODEL



CROSS - SECTION

Let's Build the Future Together!


At **Ambica Associates**, we are dedicated to delivering **innovative, safe, and cost-effective structural solutions** that turn your vision into reality. Whether you need **structural design, consultation, or project assessment**, our team is here to support you with **expert guidance and advanced engineering solutions** tailored to your needs.

Get in Touch

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 **Phone:** +91 70693 86723

 **Website:** www.ambicaassociates.in

 **Stay Connected**

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 **Instagram:** www.instagram.com/ambicaassociate

◆ Trusted by Industry Leaders | ◆ On-Time Project Delivery | ◆ Quality-Driven Approach

Let's create stronger, smarter, and safer structures together! Contact us today!