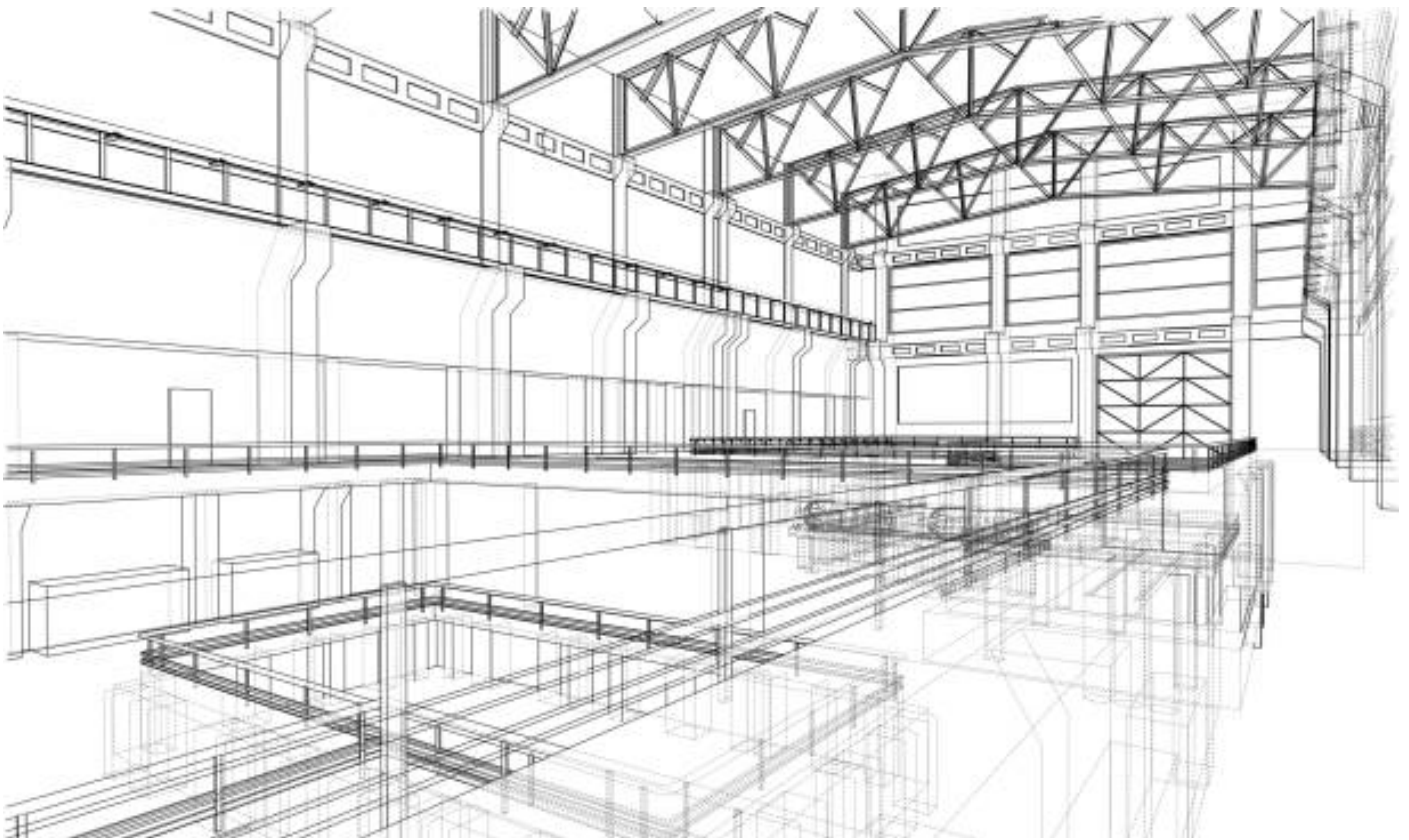




STRUCTIONIX

Engineering Tomorrow's Horizon



WHERE ENGINEERING MEET'S PRECISION

WWW.STRUCTIONIX.NET

“Structonix provides
end-to-end, high-precision
**Pre-Engineered Building
solutions** designed for
rapid deployment and lifelong
structural integrity.”

Driven by innovation and a future-forward mindset, Structonix stands as a guardian of the built environment. We are not just contractors; we are partners in progress, ensuring that as the country's skyline rises, it does so on a

**“ Foundation of unyielding integrity and
visionary Engineering ”**



ABOUT US

Structonix is a specialized engineering and contracting firm dedicated to enhancing the structural integrity and longevity of the built environment. We provide high-performance technical solutions designed to protect, repair, and reinforce diverse architectural assets. Our expertise lies in diagnosing structural vulnerabilities and implementing precision engineering to ensure safety and durability.

OUR MISSION

Our mission is to redefine structural resilience through engineering excellence and technical innovation. We are dedicated to extending the lifespan of the built environment by providing specialized retrofitting, strengthening, and waterproofing solutions that prioritize safety and durability. By combining advanced materials with precision craftsmanship, we aim to be the most trusted partner in protecting architectural assets, ensuring every structure we touch remains a safe and sustainable foundation for the future.



WHY CHOOSE US ?



OUR KEY STRENGTH

1. PROVEN EXPERIENCE :

With years of Experience in Manufacturing and Erection we posses a deep understanding of the industry

2. STRONG DESIGN TEAM :

Our Inhouse design team has experienced Engineers and Architects who works closely for Custom Design.

3. QUALITY MATERIALS AND FABRICATION :

We use only highest quality materials and most advanced fabrication techniques to ensure that our buildings are durable, sustainable and meet highest standard quality.

4. ADVANCED MACHINES AND LATEST TECHNOLOGY :

Powered by advanced Chinese-imported CNC H-beam lines and automated laser-cutting technology.Ensuring rapid, cost-optimized, and flawless execution for the most complex design.

5. PRODUCTION CAPACITY:

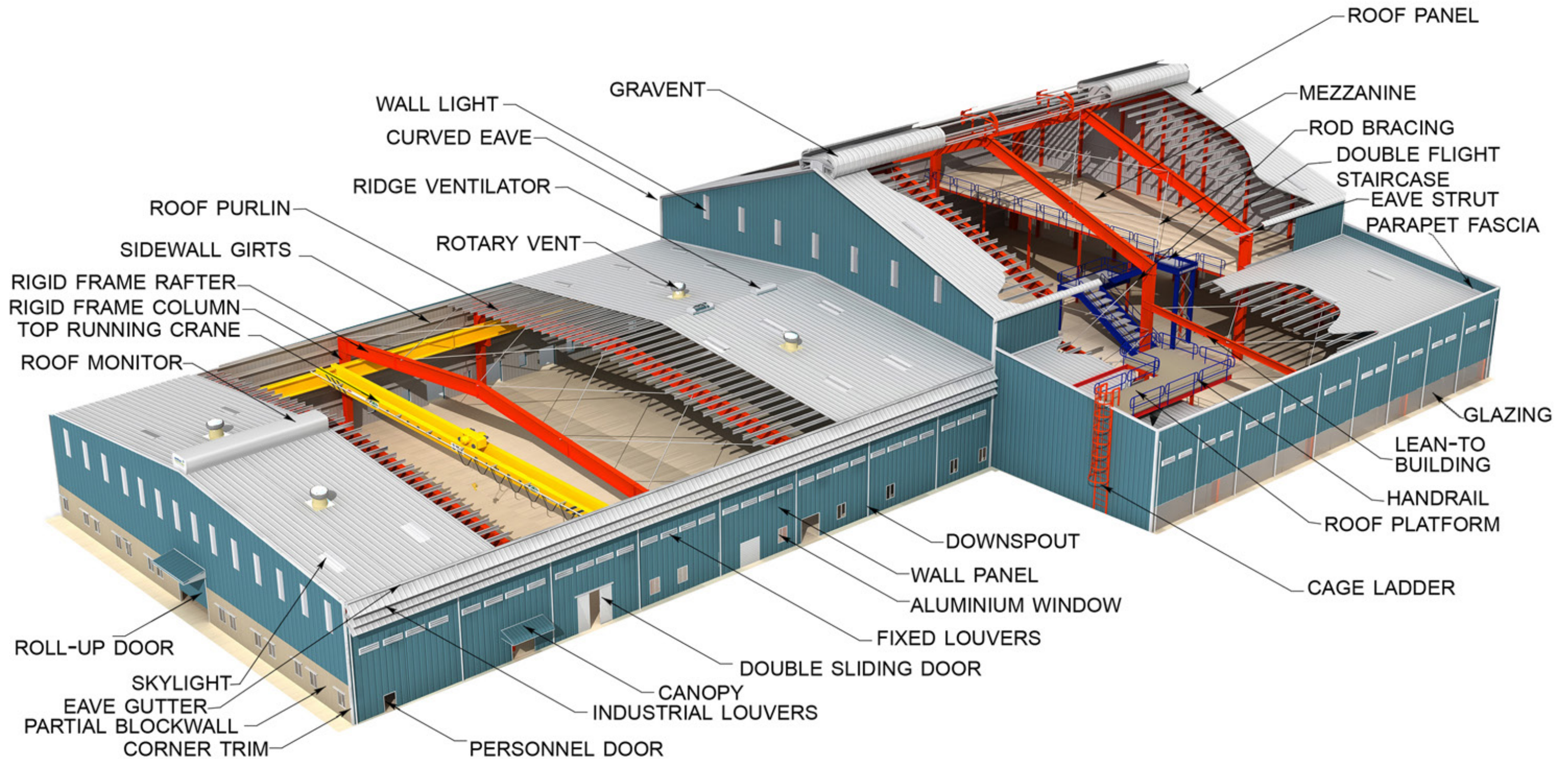
With our advanced machines and rapid operation our **monthly capacity** is about **750-800 MT**

6. TIMELY DELIVERY :

We Priotize timely delivery, ensuring that our clients projects are complted on scheduled and with minimal dis ruption to their business operations

7. EXPERT INSTALLATION :

Our experienced installation team ensures that our buildings are installed correctly, efficiently and safely, meeting the highest standards of quality and workmanship.



OUR SERVICE

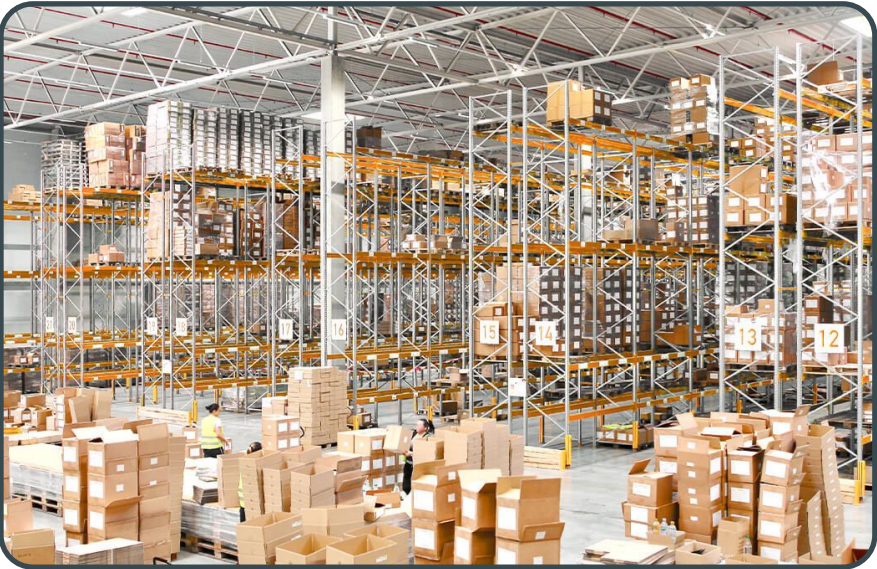
STRUCTURAL SHEDS

Structonix specializes in the design, fabrication, and rapid deployment of **high-strength industrial sheds** tailored to diverse operational requirements. From **expansive heavy-engineering manufacturing units and warehousing complexes** to **specialized cold storage facilities and factory sheds**, we deliver robust enclosures that optimize floor space and operational flow. Each structure is engineered for maximum durability, utilizing our advanced PEB technology to ensure weather resistance, thermal efficiency, and long-term structural integrity. Whether your project requires massive clear spans for heavy machinery or modular designs for future expansion,

1. INDUSTRIL SHEDS



2. LOGISTIC AND DISTRIBUTION CENTERS



3. AGRICULTURE AND GRAINS STORAGE



4. AIRCRAFT HANGARS



5. MULTI - STOREY INDUSTRIAL BUILDINGS



TURN – KEY PROJECT SOLUTIONS

Structonix provides end-to-end Turnkey Project Solutions, offering a single-window responsibility for the design, fabrication, and execution of complex industrial and structural ventures. From initial structural auditing and architectural planning to the final installation of high-precision PEB systems, we manage every phase of the project lifecycle with surgical accuracy. By integrating our advanced Chinese-imported manufacturing technology with expert on-site project management, we eliminate the need for multiple vendors, significantly reducing lead times and cost overruns. Our turnkey approach ensures that your project is delivered as a fully functional, high-quality asset—engineered to your exact specifications and ready for immediate operation.

CONCEPT

DESIGN

CIVIL WORK

MANUFACTURING

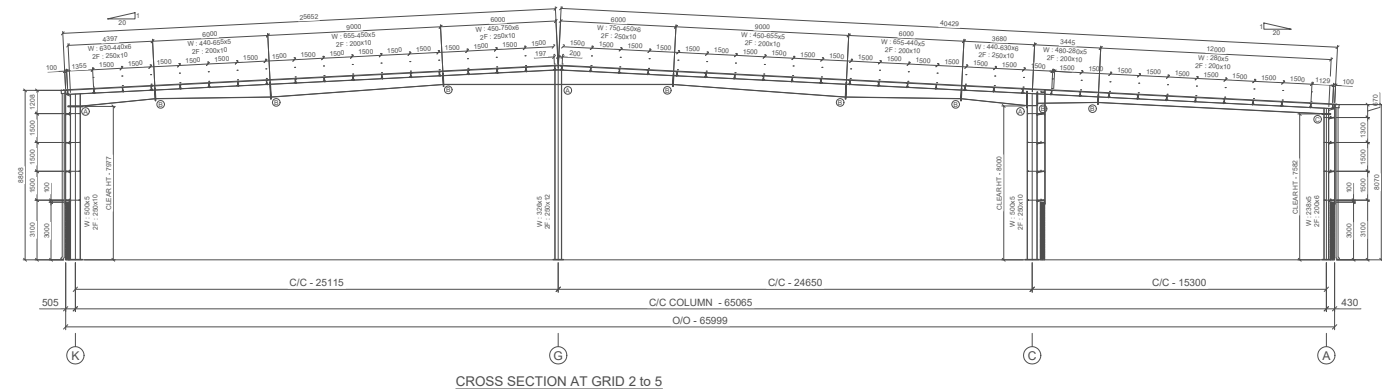
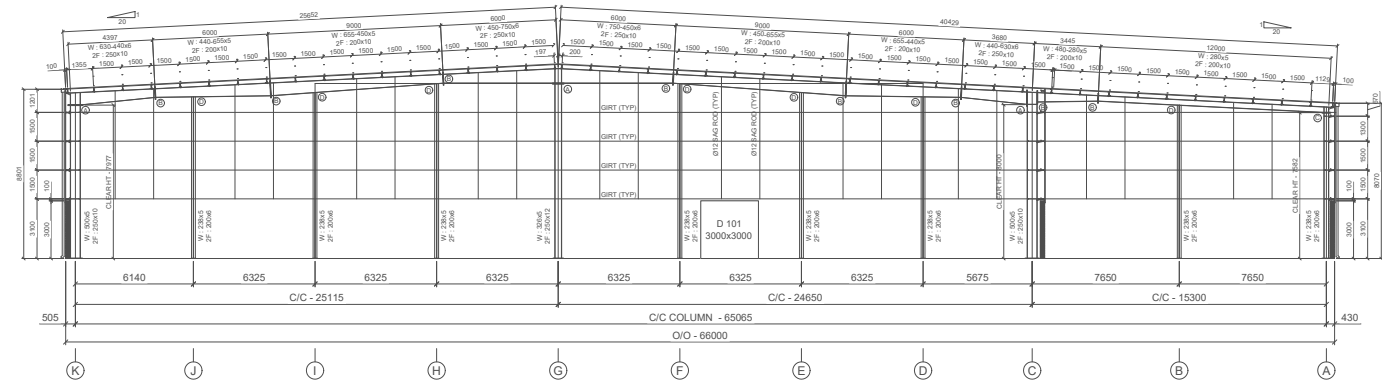
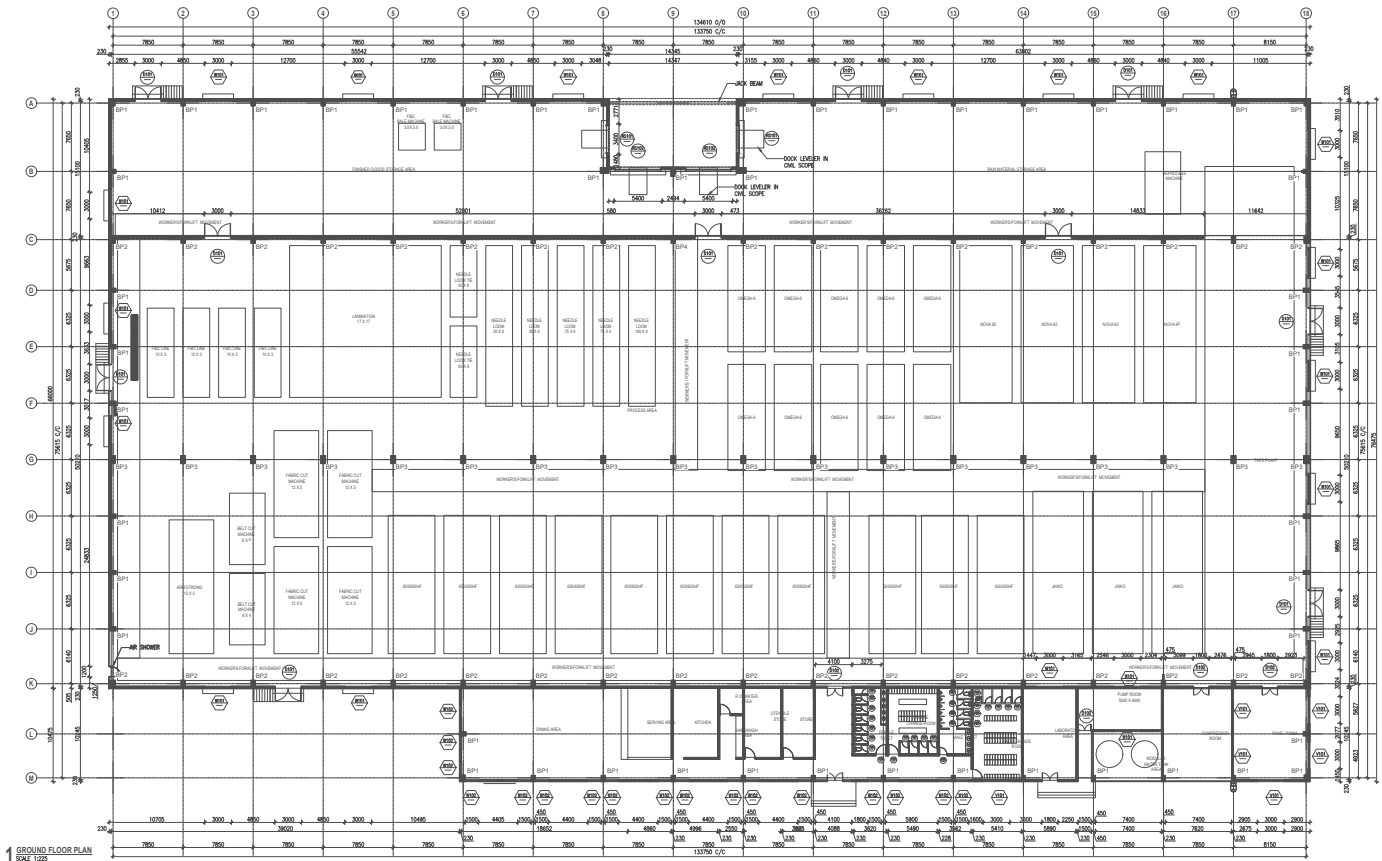
FABRICATION

ERECTION



DESIGN AND CONSULTATION

Our Inhouse design team has experienced Engineers and Architects who works closely for Custom Design.



CIVIL WORK

Beyond steel fabrication, Structonix provides comprehensive **Civil Construction Services** to ensure a rock-solid start for every project. We specialize in precision foundation layouts, heavy-duty industrial flooring, and high-quality block work designed to meet the rigorous demands of modern infrastructure. Our team handles everything from complex excavation and reinforced concrete footings to the final masonry stages, ensuring that the civil base perfectly aligns with our high-precision PEB structures. By integrating civil engineering with structural fabrication, we eliminate alignment errors and provide a seamless, synchronized construction process from the first spade in the ground to the final brick laid.



Precision Foundation Layouts:

Expertly engineered footings for heavy machinery and structural loads.

Industrial Grade Flooring:

High-strength, wear-resistant RCC flooring for warehouses and factories.

High-Quality Block Work & Masonry:

Durable walling solutions for industrial and commercial enclosures.

Site Grading & Excavation:

Comprehensive site preparation using advanced surveying technology.



MANUFACTURING UNIT

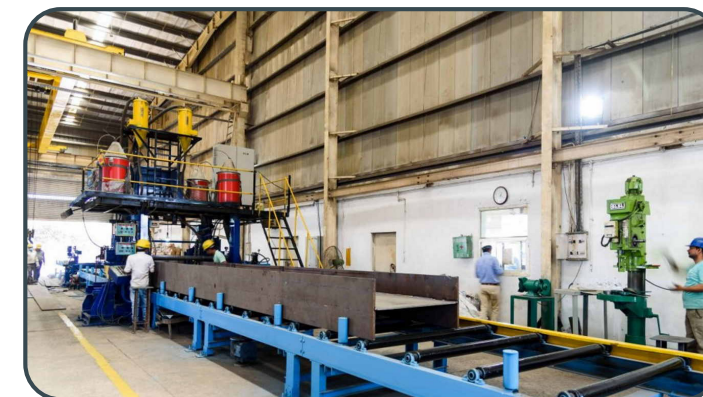
"Boasting a robust manufacturing capacity of **750–800 MT** per month, utilizing premium-grade metal coils for maximum structural resilience."

"Powered by elite, China-imported automated technology machines to deliver precision-engineered components at an industrial scale."

PLASMA MACHINE



H - BEAM WELDING MACHINE



SHOT BLASTING MACHINE



PAINTING MACHINE



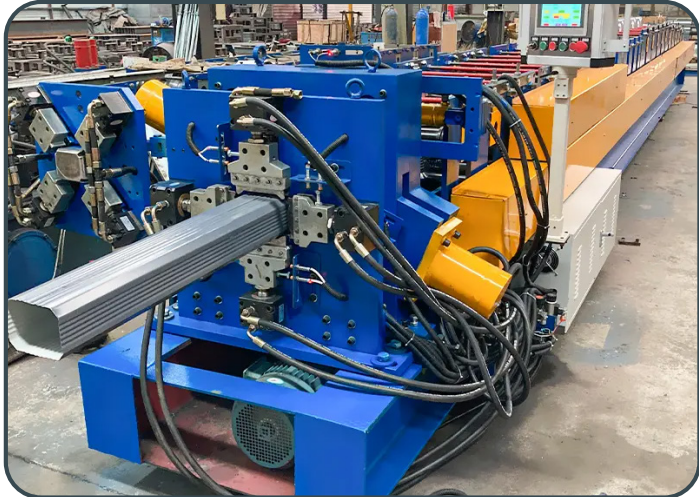
PURLIN MACHINE

SHAPE : U , C , Z

COIL : 1.5 MM - 3.5 MM



DOWN - SPROUT MACHINE



CORRUGATED ROOFING MACHINE



PUNCHING MACHINE



FABRICATION & ERECTION



Single-Point Accountability:

By maintaining fully in-house fabrication and erection teams, we eliminate third-party dependencies and communication gaps.

Total Quality Oversight:

We control every stage of the process—from precision factory cutting to the final bolt tightened on-site—ensuring uncompromising standards.

Guaranteed Timelines:

Our vertical integration allows us to bypass external delays, guaranteeing that your project is delivered and finished within the committed timeframe.

Synchronized Workflow:

Our teams work in tandem; as soon as fabrication is complete, our expert erection crew is ready for immediate assembly.

Rapid Deployment:

We provide a faster, more reliable path from groundbreaking to full operation by streamlining the transition from shop floor to site.

Cost-Efficiency:

Eliminating subcontractors reduces overhead costs, a saving we pass directly to our clients through more competitive pricing.



IN - HOUSE STORE SOLUTION

Heavy-Duty Pallet Racking

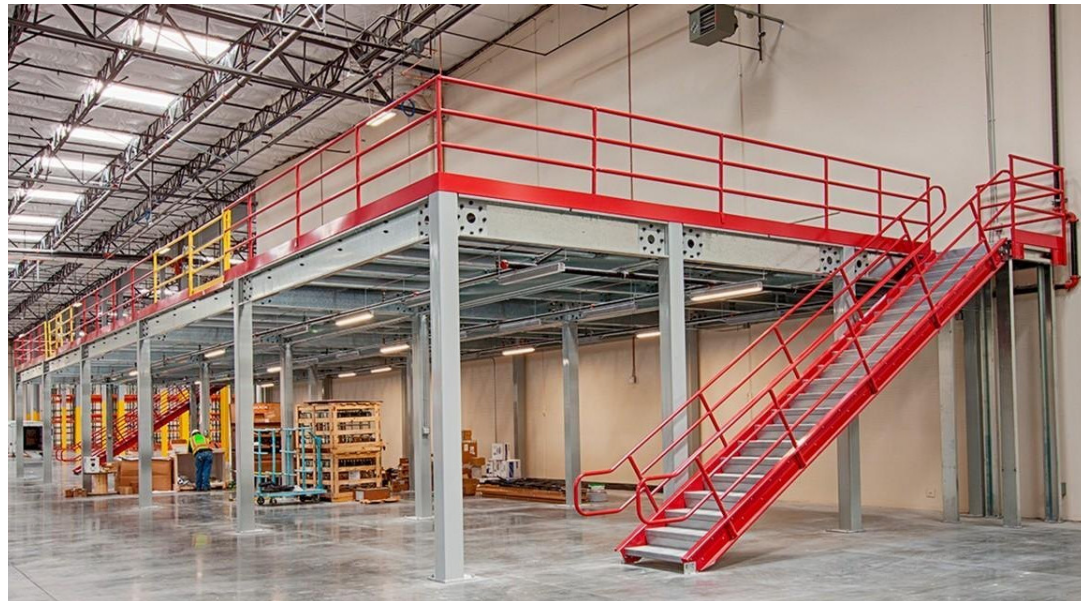
Optimized for high-density industrial storage.

Custom Structural Profiles

Tailored C, Z, and Sigma sections for diverse construction needs.

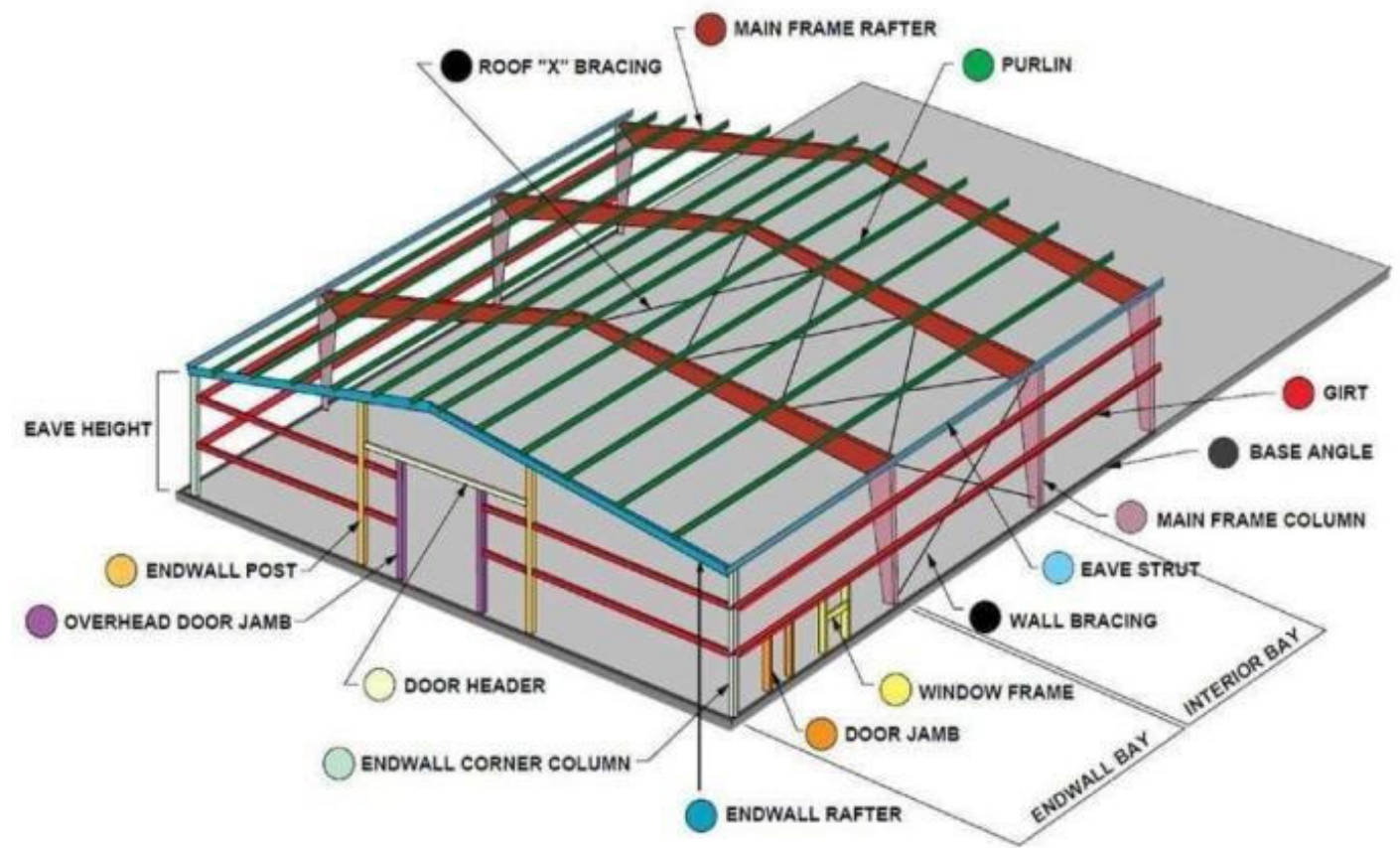
Mezzanine Floor Systems

Doubling your operational space without expanding your footprint.

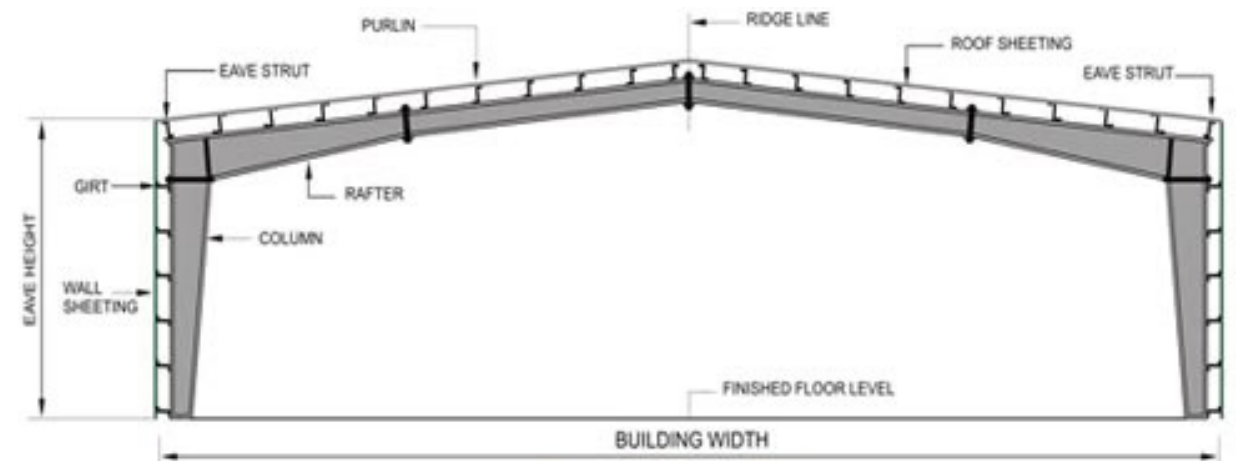


Mezzanine Flooring Mechanism

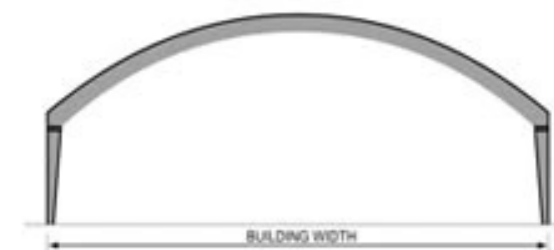




Feature	Specification / Standard	Benefit to Client
Primary Members	High-yield Strength Steel (ASTM A572 Grade 50 / IS 2062)	Superior load-bearing capacity with reduced self-weight.
Secondary Members	Cold-formed Galvanized Z & C Purlins (Min. 275 GSM)	Excellent corrosion resistance and structural stability.
Design Standards	MBMA, AISC, IS 800:2007, ASCE	Compliance with global safety and seismic codes.
Roofing & Cladding	High-tensile Galvalume / PPGL (0.5mm - 0.7mm)	Leak-proof, weather-resistant, and high thermal reflection.
Clear Span Capability	Up to 60m+ (Column-free)	Maximum unobstructed floor space for industrial use.
Connection Type	High-strength Bolt & Nut (Grade 8.8 / 10.9)	Faster on-site assembly and enhanced joint integrity.
Seismic Resistance	Zone-specific structural design	Optimized to withstand regional earthquake forces.
Surface Treatment	Red Oxide / Epoxy / Polyurethane Painting	Long-term protection against harsh industrial environments.

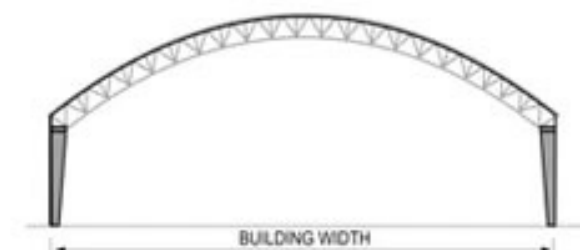


Typical Cross Section



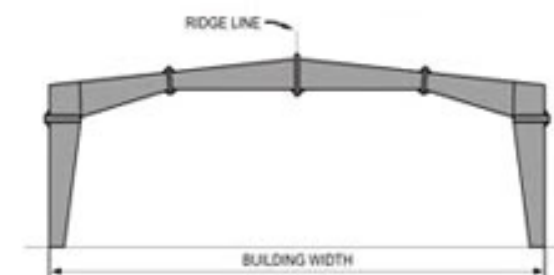
MAX. PRACTICAL WIDTH = 100 m

Built-up Curved Rafter (BU)



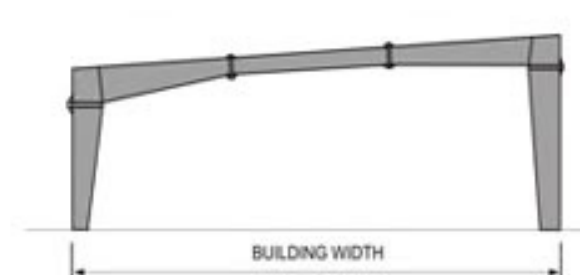
MAX. PRACTICAL WIDTH = 100 m

Open - Web Curved Rafter (OW)



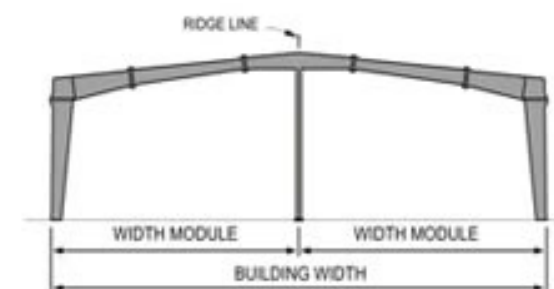
MAX. PRACTICAL WIDTH = 100 m

Clear Span (CS)



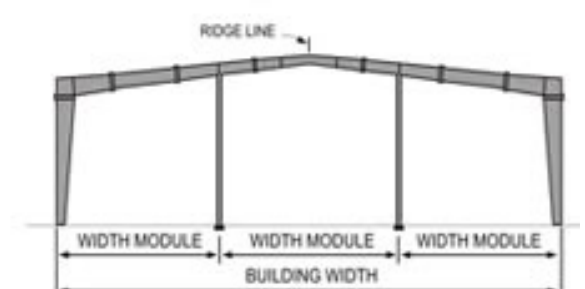
MAX. PRACTICAL WIDTH = 50 m

Single Slope (SS)



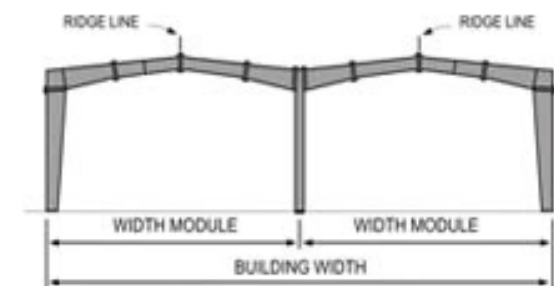
MAX. PRACTICAL WIDTH = 150 m

Multi-Span "1" (MS-1)



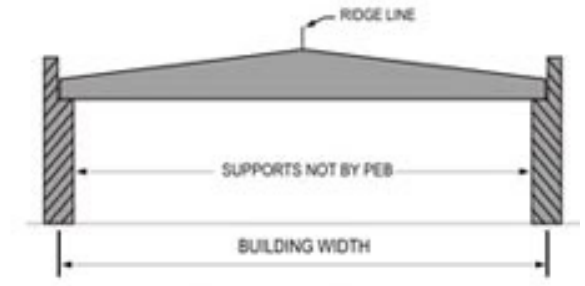
MAX. PRACTICAL WIDTH = 200 m

Multi-Span "2" (MS-2)



MAX. PRACTICAL WIDTH = 200 m

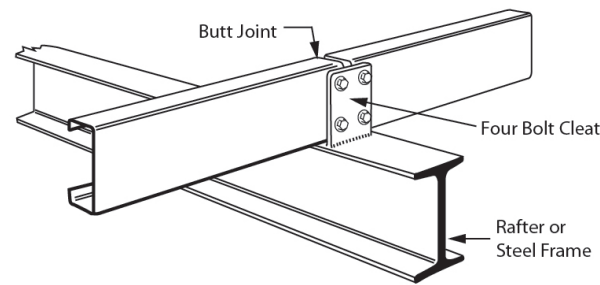
Multi-Gable (MG)



MAX. PRACTICAL WIDTH = 50 m

Roof System (RS)

C – PURLIN



C section purlins are generally manufactured from GALVSPAN® steel and are roll formed into a C section. Metroll C section purlins are recommended for use in simple, noncontinuous span construction. Suitable application includes portal frames, roofing, single bay buildings and wall cladding and flooring systems.

Metroll C section

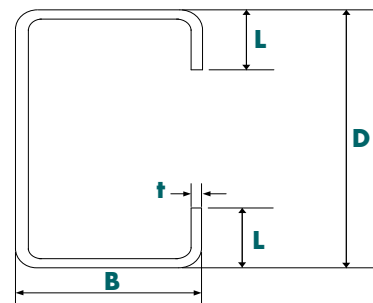
purlins can also be used on multi-bay buildings in lines of simple spanning purlins and girts.

To minimise section rotation between supports or bridging, purlins must be installed with the top flange facing up the slope from the cleat

C Sections should be fitted on the **high side of the cleat**, open face **directed up the slope**.

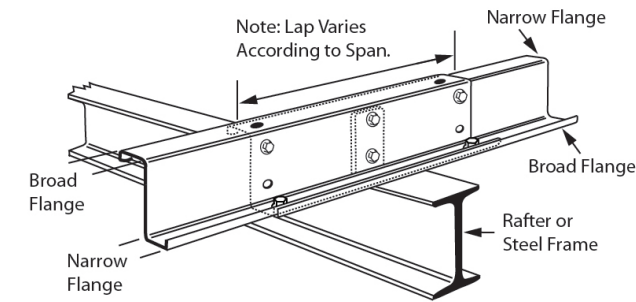
PURLIN DIMENSIONS & PROPERTIES

C PURLIN



Section	Thickness mm (t)	Height mm (D)	C PURLINS		Mass kg/m
			B	L	
100 10	1.0	102	51	12.5	1.74
100 12	1.2	102	51	12.5	2.07
100 15	1.5	102	51	13.5	2.57
100 19	1.9	102	51	14.5	3.25
150 12	1.2	152	64	14.5	2.82
150 15	1.5	152	64	15.5	3.53
150 19	1.9	152	64	16.5	4.46
150 24	2.4	152	64	18.5	5.62
200 15	1.5	203	76	15.5	4.44
200 19	1.9	203	76	19	5.68
200 24	2.4	203	76	21	7.15
250 19	1.9	254	76	18.5	6.43
250 24	2.4	254	76	20.5	8.1
300 24	2.4	300	96	27.5	10.01
300 30	3.0	300	96	31.5	12.6
350 24	2.4	350	125	30	12.13
350 30	3.0	350	125	30	15.09
400 24	2.4	400	96	30	13.07
400 30	3.0	400	96	30	16.27

Z – PURLIN



Z section purlins are generally manufactured from GALVSPAN® steel and are roll formed into a Z section. Suitable structural application includes grain handling, coal handling and manufacturing facilities.

Metroll Z Section

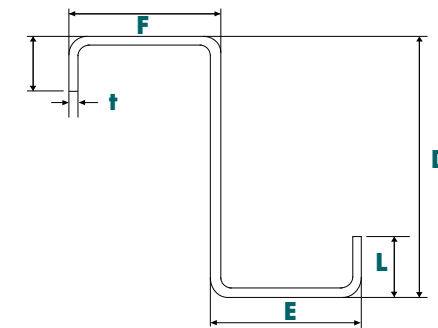
Purlins have one broad and one narrow flange. These are designed to sit neatly and are used for lapping at internal supports. This produces structurally continuous lines of purlins for the length of the building.

To minimise section rotation between supports or bridging, purlins must be installed with the top flange facing up the slope from the cleat :

Z Sections should be fitted with the **web on the low side** of the cleat, with the top flange above it.

PURLIN DIMENSIONS & PROPERTIES

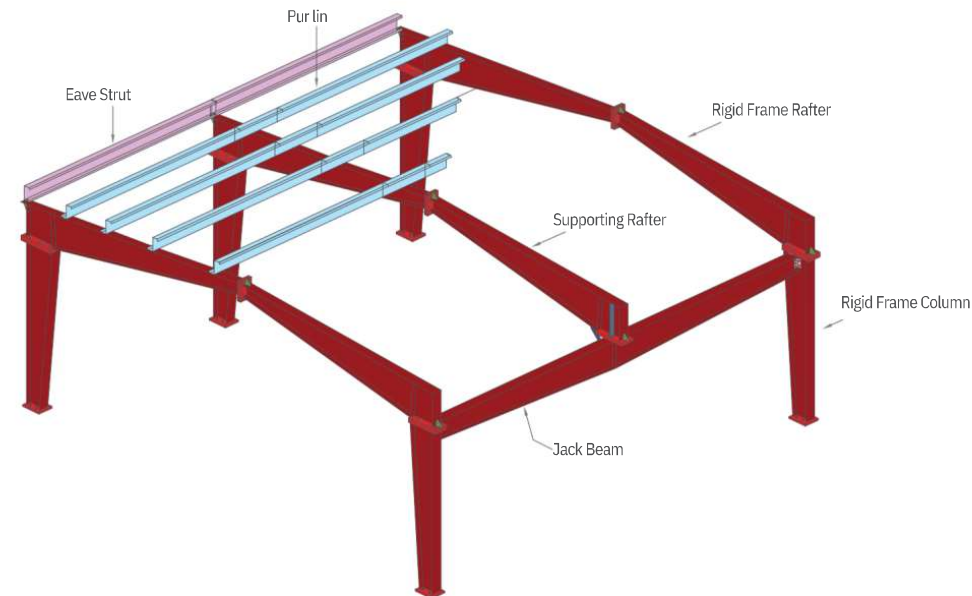
Z PURLIN



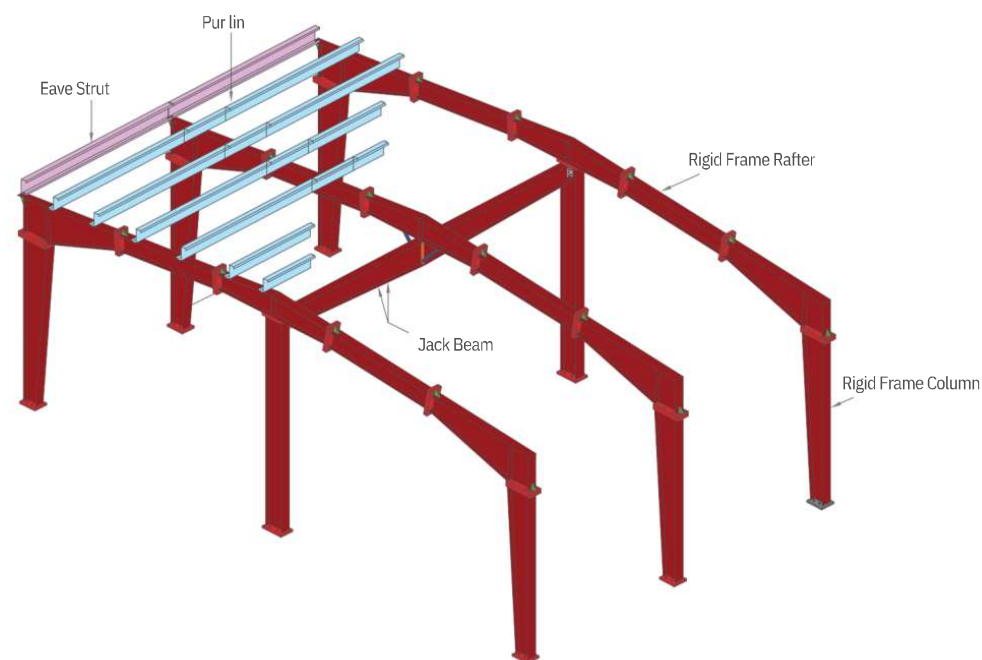
Section	Thickness mm (t)	Height mm (D)	Z PURLINS			Mass kg/m
			E	F	L	
100 10	1.0	102	53	49	12.5	1.74
100 12	1.2	102	53	49	13	2.07
100 15	1.5	102	53	49	13.5	2.57
100 19	1.9	102	53	48	14.5	3.25
150 12	1.2	152	65	61	15.5	2.82
150 15	1.5	152	65	61	16.5	3.53
150 19	1.9	152	65	61	17.5	4.46
150 24	2.4	152	66	60	19.5	5.62
200 15	1.5	203	79	74	18	4.44
200 19	1.9	203	79	74	18.5	5.68
200 24	2.4	203	79	73	21.5	7.15
250 19	1.9	254	79	74	18	6.43
250 24	2.4	254	79	73	21	8.1
300 24	2.4	300	100	93	27	10.01
300 30	3.0	300	100	93	31	12.6
350 24	2.4	350	129	121	30	12.13
350 30	3.0	350	129	121	30	15.09
400 24	2.4	400	96	96	30	13.07
400 30	3.0	400	96	96	30	16.27

JACK BEAMS

ISOMETRIC: Jack Beam at Sidewall

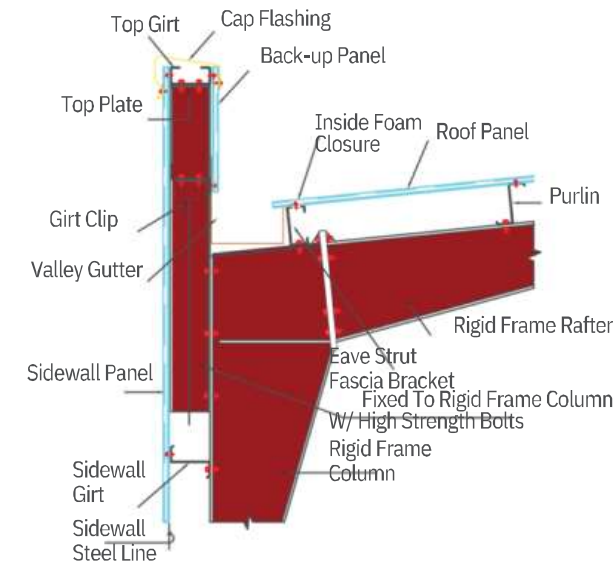


ISOMETRIC: Jack Beam at Interior Column Location



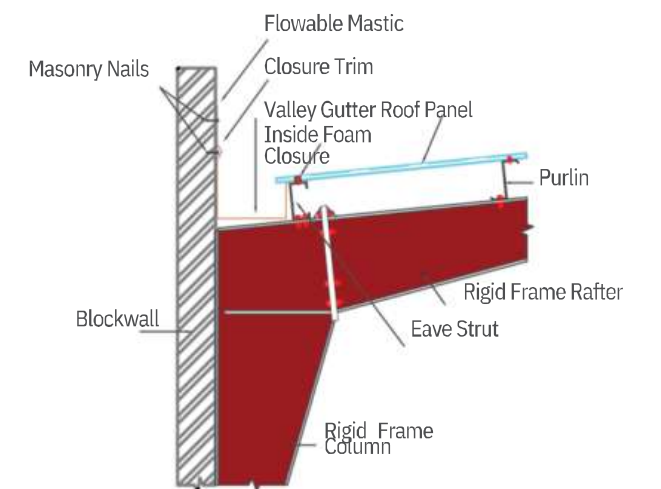
TYPES OF FASCIA

FLUSH FACIAS WITH EAVES GUTTER



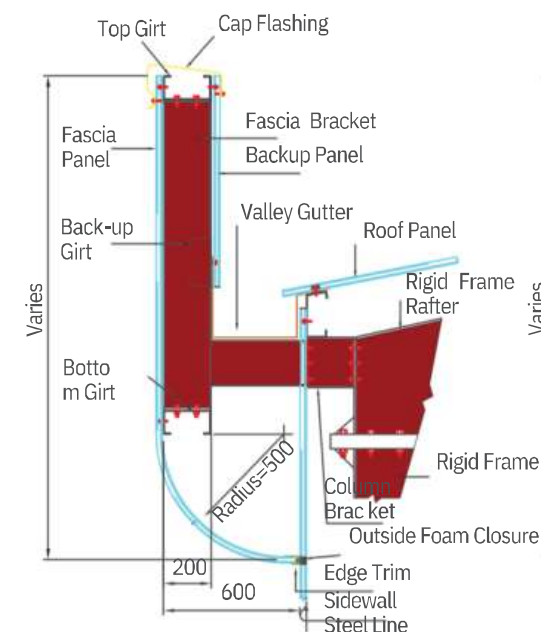
Typical Sidewall Section for Flush Fascia

FLUSHED FACIAS OD PARAPET FACIAS



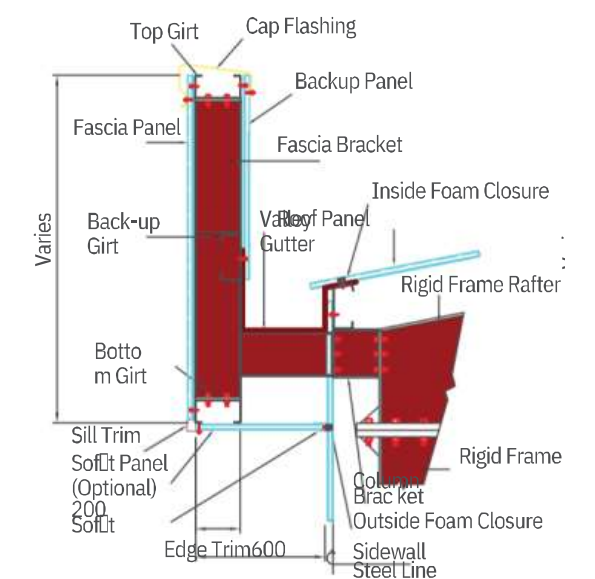
Typical Sidewall Section Flushed Fascia with Box Gutter

SECTION : BOTTON CURVED FASCIA WITH VALLEY GUTTER



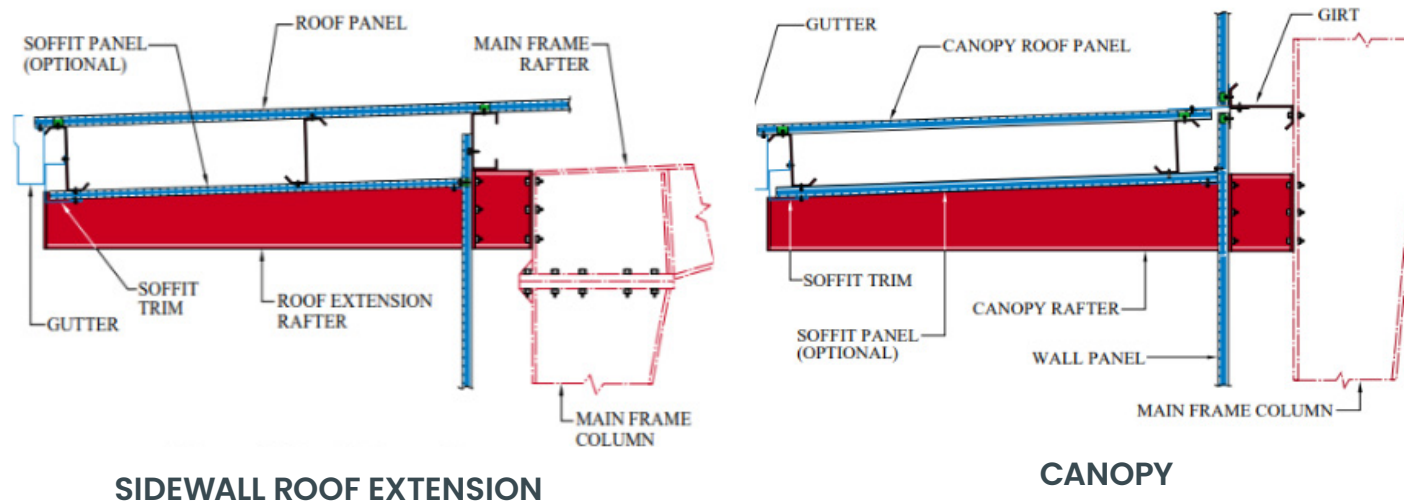
Typical Sidewall Section

SECTION : BOTTON VERTICAL FASCIA WITH VALLEY GUTTER



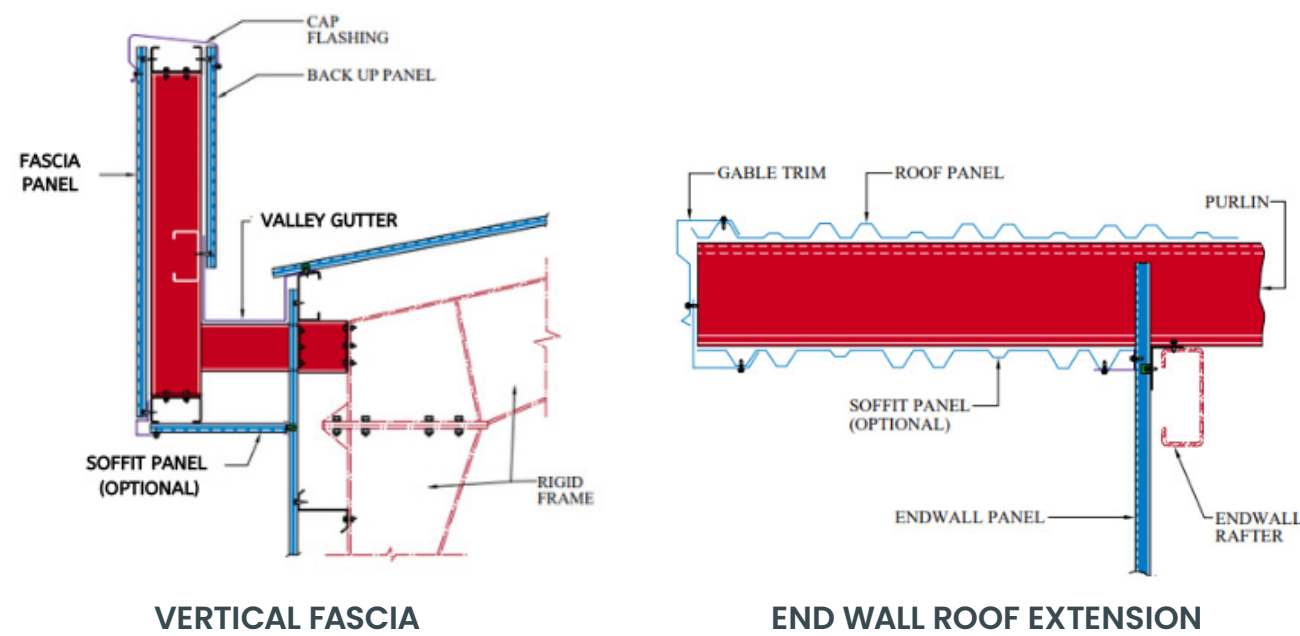
Typical Sidewall Section

DETAILS OF FITINGS



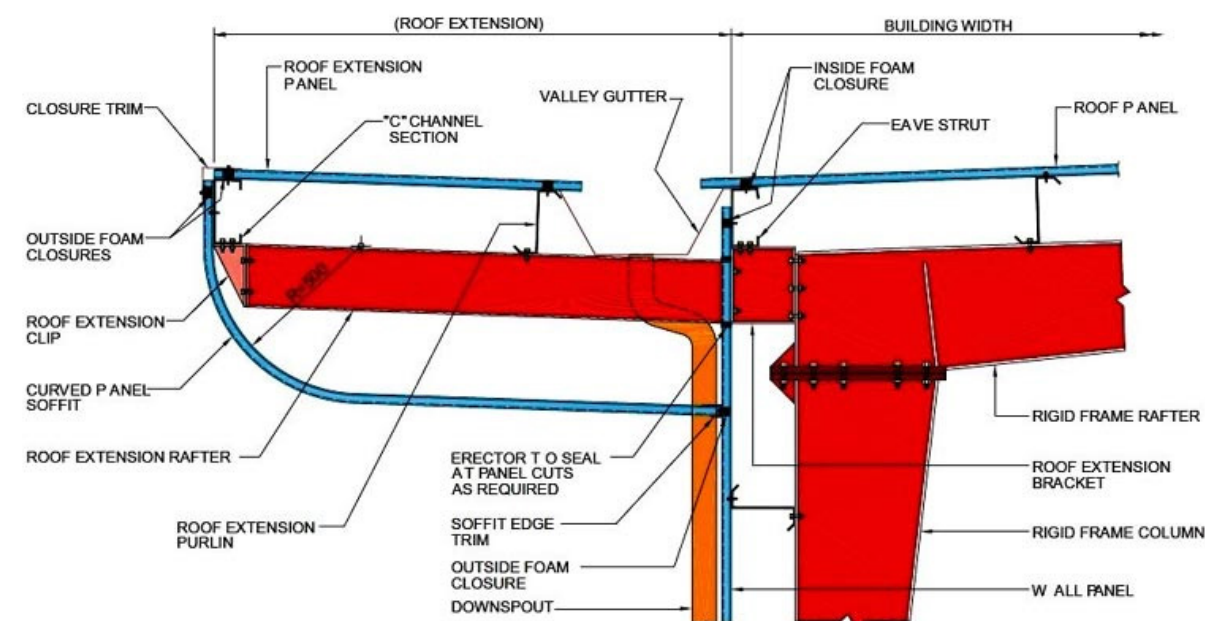
SIDEWALL ROOF EXTENSION

CANOPY



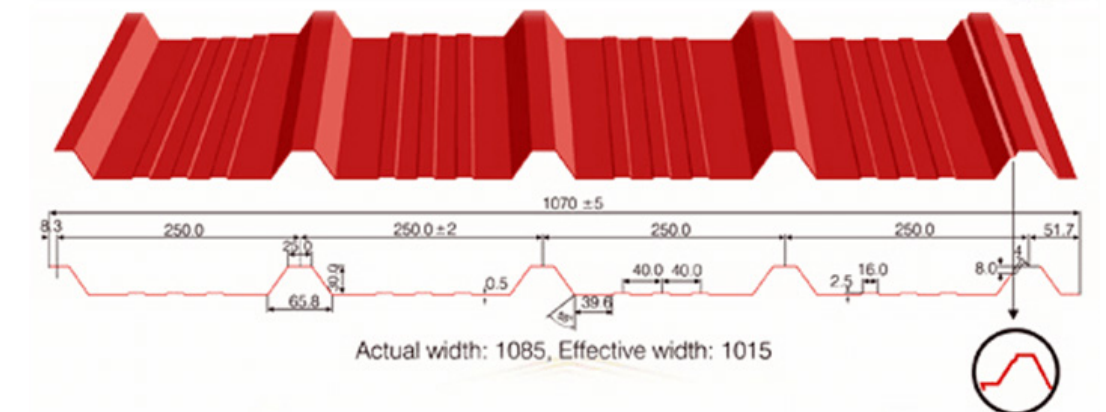
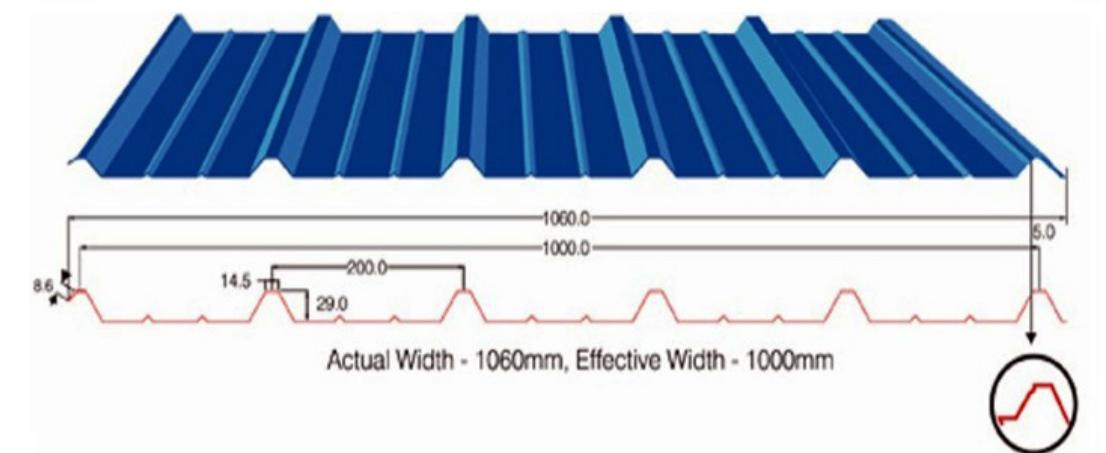
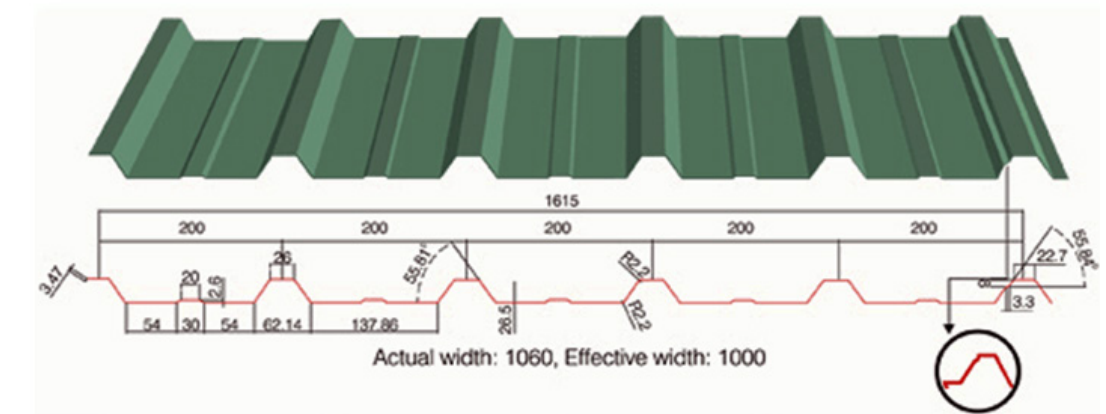
VERTICAL FASCIA

END WALL ROOF EXTENSION



ROOF SHEETS

Trapezoidal roofing sheet specification



PROJECTS



S300-WAREHOUSE

Key Facts

- 1.Client: Liladhar Pasoo
- 2.Area: 2,60,000 Sq Ft.
- 3.Project Tonnage: 787 MT



D1- WAREHOUSE

Key Facts

- 1.Client: Global Reality Infra
- 2.Area: 2,50,000 Sq Ft.
- 3.Project Tonnage: 700 MT



B5-MULTI STOREY

Key Facts

- 1. Client: Moksha Construction
- 2. End User: Torrent Pharma
- 3. Area: 2,40,000 Sq Ft (G + 3 floors).
- 4. Project Tonnage: 1450 MT



D1- WAREHOUSE

Key Facts

- 1. Client: Global Reality Infra
- 2. Area: 2,50,000 Sq Ft.
- 3. Project Tonnage: 700 MT



Review 1

Mr. Bhavesh Shah

"Our experience with this PEB manufacturer has been exceptional from start to finish. From the initial design consultation to the final execution, every stage of the project was handled with remarkable professionalism and attention to detail. What truly stood out was their ability to understand our operational requirements and translate them into a highly efficient and aesthetically refined structure."

The quality of materials, precision in fabrication, and on-site coordination were all executed to the highest standards. The project was delivered within the committed timeline, without any compromise on quality or safety. Their team maintained clear communication throughout, ensuring transparency and confidence at every step.

The finished facility not only meets our functional needs but also reflects a modern, premium industrial presence. We are extremely satisfied with the outcome and would confidently recommend their services to organizations seeking reliable and high-quality PEB solutions."

Review 2

Liladhar Pasoo Group

"We entrusted them with the development of our large-scale manufacturing facility, and the results have exceeded our expectations in every aspect. Their technical expertise, combined with a disciplined project management approach, ensured that the entire process was seamless and well-coordinated."

From structural design optimization to execution, they demonstrated a deep understanding of both engineering and practical site challenges. The attention given to detailing, finishing, and overall structural integrity is clearly visible in the completed building.

What impressed us most was their commitment to delivering not just a structure, but a long-term asset. The facility stands as a perfect blend of durability, efficiency, and clean industrial aesthetics. Their professionalism and reliability make them a trusted partner for any organization looking to invest in high-quality PEB infrastructure."

Review 3

Aditya Birla group

"Partnering with this team for our commercial PEB project has been a highly rewarding experience. Their approach reflects a rare combination of technical precision and refined execution, which is not commonly found in the industry."

They took the time to understand our vision and delivered a structure that aligns perfectly with our brand image and operational needs. The entire process—from planning and approvals to fabrication and installation—was managed with exceptional clarity and efficiency.

The final outcome speaks for itself: a structurally sound, visually impressive building delivered on time and within scope. Their commitment to quality and client satisfaction is evident in every aspect of their work. We truly value their expertise and look forward to collaborating with them on future projects."

Review 4

Global Realty Group

"We have had the opportunity to work with this PEB manufacturer on multiple projects over the years, and their consistency in delivering high-quality results is truly commendable. Each project reflects their strong technical foundation, attention to detail, and commitment to excellence."

Their team is highly professional, responsive, and well-organized, ensuring that every stage of the project is executed smoothly. They have always demonstrated a proactive approach in addressing challenges and providing effective solutions without delays.

The structures delivered are not only robust and efficient but also carry a clean, modern industrial appeal. This level of reliability and quality has made them our preferred partner for PEB projects. We confidently recommend them to anyone seeking a dependable and experienced team."

OUR ESTEEMED CLIENTS

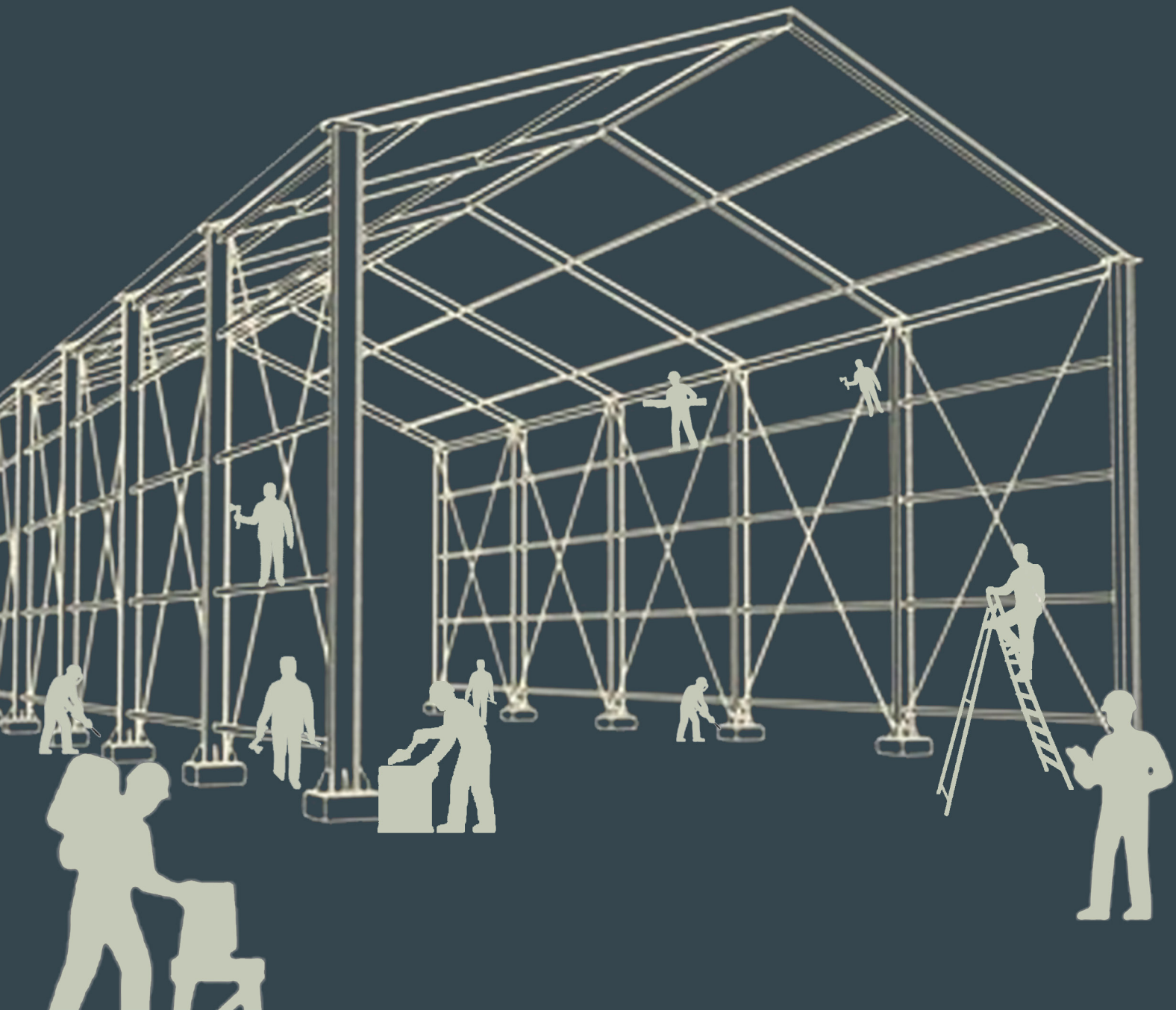


ASHAPURA MINECHEM LIMITED



Trupti Infrastructure Pvt Ltd.





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