



EPC
VINNAR REALTY



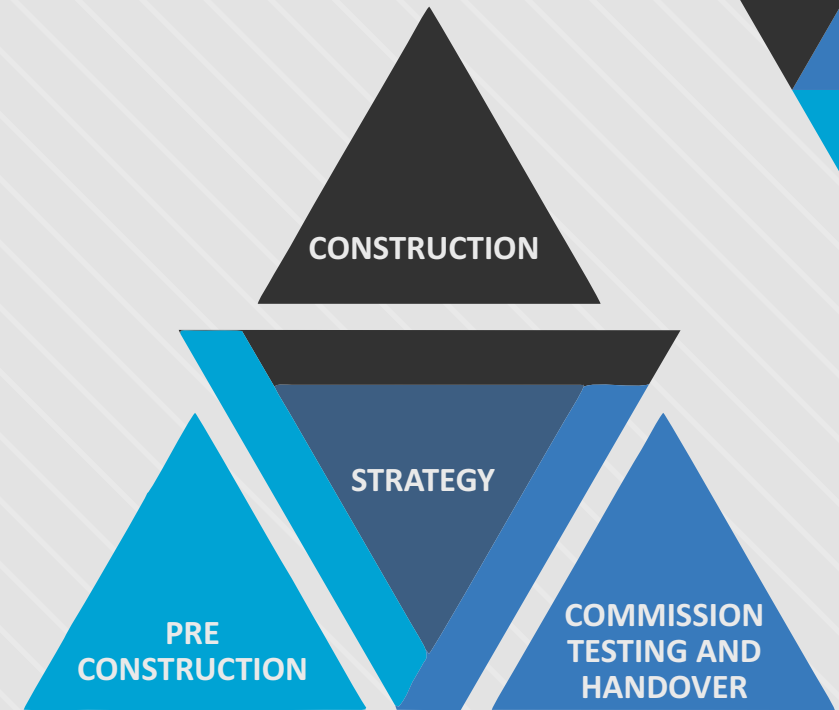
WHY US ?

Unlock the full potential of your next construction project with Vinnar Engineering, a leading EPC contractor specializing in turn-key solutions for both Pre-Engineered Buildings (PEB) and civil construction projects. Where precision meets excellence, Vinnar Engineering leads the way.

“TRANSFORMING VISION INTO REALITY”

At Vinnar, we specialize in delivering adaptable solutions tailored to meet your specific needs. Our team of seasoned professionals leverages cutting-edge technology and innovative practices to ensure precision, efficiency, and sustainability in every project.

“FROM INITIAL DESIGN TO
FINAL CONSTRUCTION,
WE MANAGE EVERY ASPECT
OF YOUR PROJECT
WITH THE UTMOST CARE
AND EXPERTISE.”



ADVANTAGE OF DESIGN-BUILD EPC

- ▶ Rapid Deployment
- ▶ Cost-Effectiveness
- ▶ End-to-End Expertise
- ▶ Flexibility and Scalability
- ▶ Customization



OUR CERTIFICATIONS

For Vinnar Realty these certifications are not just about compliance; they represent our commitment to quality, sustainability, safety, and efficiency.

ISO 9001: Quality Management Systems

ISO 14001: Environmental Management Systems

ISO 45001: Occupational Health and Safety Management Systems

ISO 19650: Organization and digitization of information

ISO 21500: Guidance on Project Management

ISO 31000: Risk Management

ISO 41001: Facility Management

ISO 3834: Quality Requirements for Fusion Welding of Metallic Materials

VERTICALS & SERVICES

The integration of Vinnar Realty's construction prowess and liaison expertise provides seamless project delivery, reduced turnaround times, and enhanced compliance.

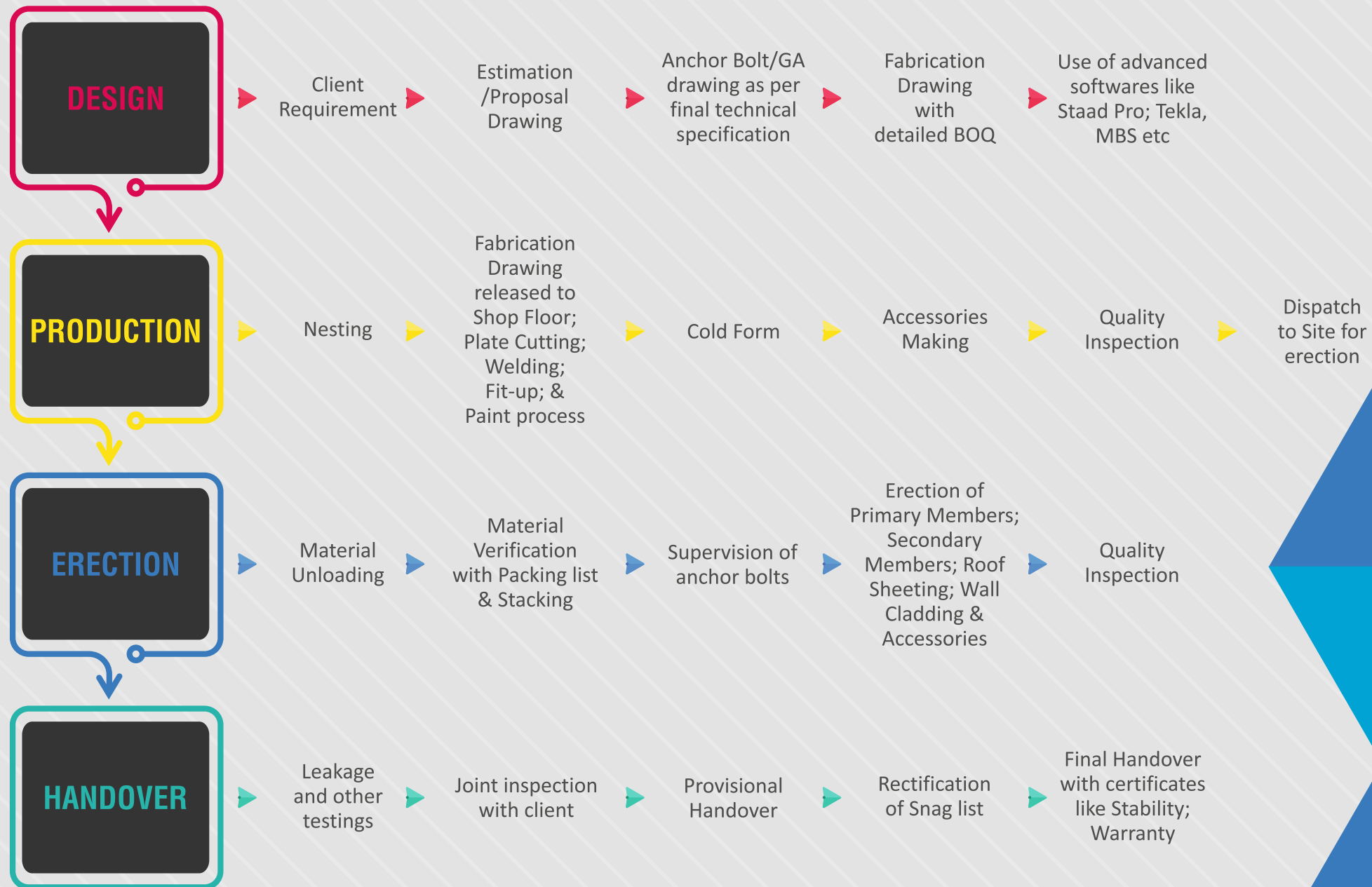
CONSTRUCTION

- Design
- Foundations
- PEB Structures
- RCC Buildings
- MEP Solutions
- Layout Development

LIAISONING

- NOCs
- CLU
- Plan Sanction
- Rentals

OVERALL PRE ENGINEERED STEEL BUILDING DEVELOPMENT



VALUE PROPOSITION

Our structural system consists of rigid frames that are fabricated from high grade plated steel conforming to ASTM A 572M Grade 345 and IS 2062 and are factory painted with the minimum of 35 Microns (DFT) of corrosion protection primer. Our Secondary members from cold formed C and Z sections are used as purlins and girts. All primary and secondary steel used by Vinnar has a minimum yield strength of 50 KSI (345 N/mm²) and delivered in average 6 to 8 weeks. Unless otherwise specified, **Vinnar Realty's Pre-Engineered** Buildings are designed for the following minimum loads.

- Roof live load: 0.57 Kn/m² (As per MBMA)
- Design Wind speed: Upto 50m/sec (180 kmph) (As per IS 875-1987)

SOFTWARE

STAAD PRO - 3D Structural Analysis & Design Engineering Software

TEKLA STRUCTURES -Detailing Software

AUTOCAD -Drafting software

Specialized computer analysis and design programs reduce design time and optimize material required. Drafting is also computerized with minimal manual drawings. Design, detail drawings and erection drawings are also supplied by Vinnar's team at free of cost. Approval drawings may be prepared within 6 days to 2 weeks. Consultant in-house design and drafting time is significantly reduced, allowing more time for coordination and review.

DESIGN CODES & STANDARDS WE FOLLOW

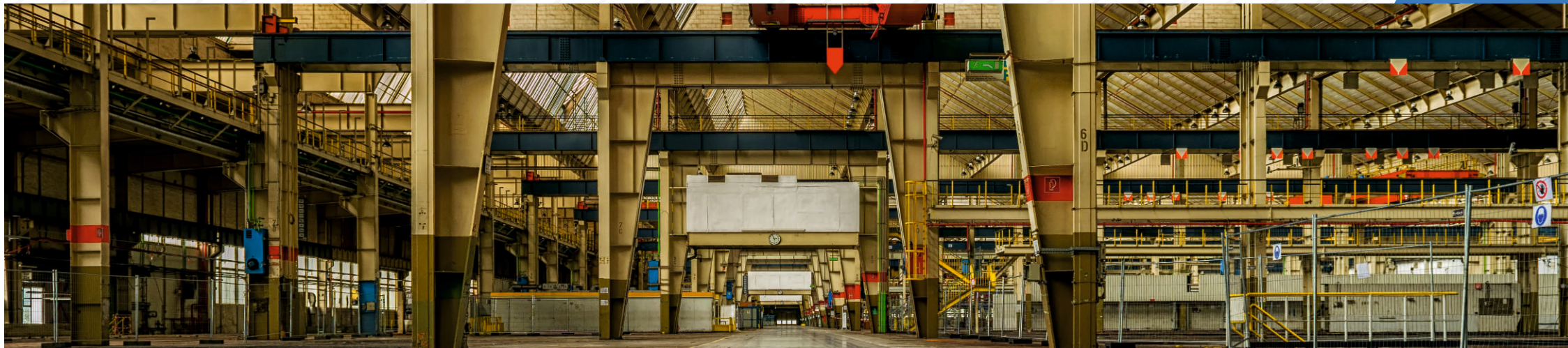
- 01 Code of practice: IS-800-2007 (Indian Standard- General Construction in Steel)
- 02 Loads and combinations on all buildings are applied in accordance with: IS-875-PART-I TO V, IBC, MBMA & BS 5950
- 03 Hot rolled & Built-up designed as per: AISC, BS 5950
- 04 Cold Formed member design as per: AISI
- 05 Welding done in accordance with: AWS D.1.1.2010
- 06 Criteria for Earthquake Resistant Design of Structure (R-5): IS-1893-2002



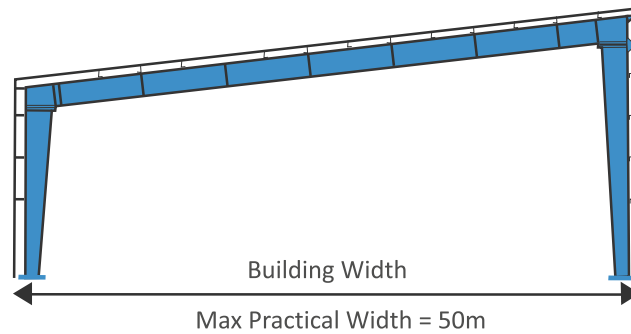
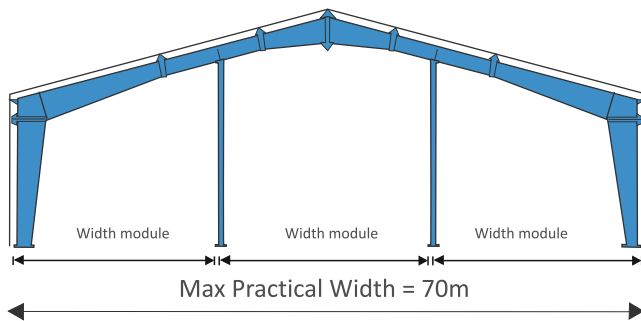
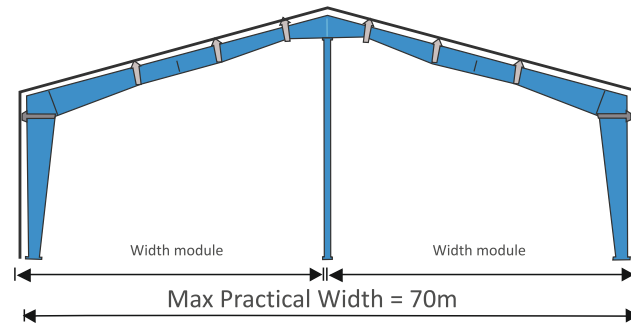
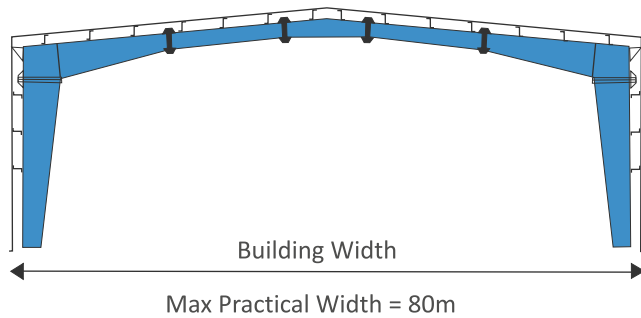
OUR MANUFACTURING FACILITY

Our Manufacturing plant for steel fabrication has the **production capacity of 12,000** Metric tons per annum of built up members alone. We will be **able to cover up to 2,00,000** SQM of floor area per annum. We have invested in one of the most comprehensive manufacturing facilities in the industry. Computer generated details are transferred to state-of-the-art CNC machinery to ensure all products are produced with a high degree of accuracy and quality.

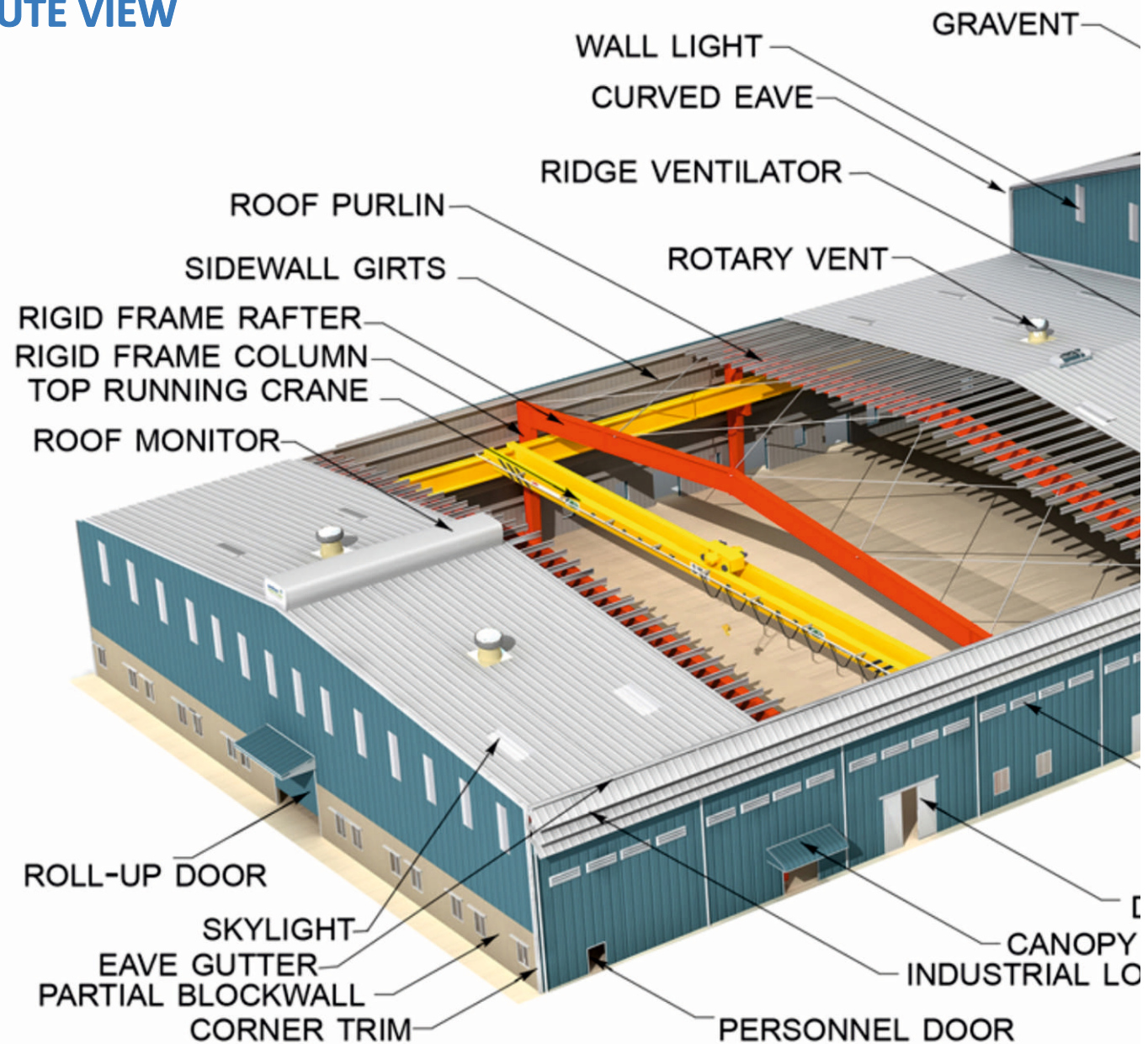
- ▶ Automatic Welding Machine with submerged Arc welding unit
- ▶ Straight section 250 mm to 2000 mm web x 12 m long (upto 36 m length)
- ▶ Tapered section Web 250 mm to 1900 mm x 12 m long (upto 36 m length)
- ▶ Plate shearing machine capacity up to 13 mm thicknesses x 6m long
- ▶ MIG, SAW & ARC welding machines with SAW Beam Welding Line
- ▶ Flashing / bending machine of plate bending up to 16 mm thick x 3 m long
- ▶ CNC plasma cutting machine with multiple cutting torch
- ▶ CNC drilling machine up to 40 mm drilling capacity and beam drilling line with bandsaw
- ▶ Bending / threading of anchor bolts up to 50 mm Dia
- ▶ Sand blasting / painting
- ▶ Telescopic boom man lifts (up to 21 m height)
- ▶ 10-ton mobile cranes

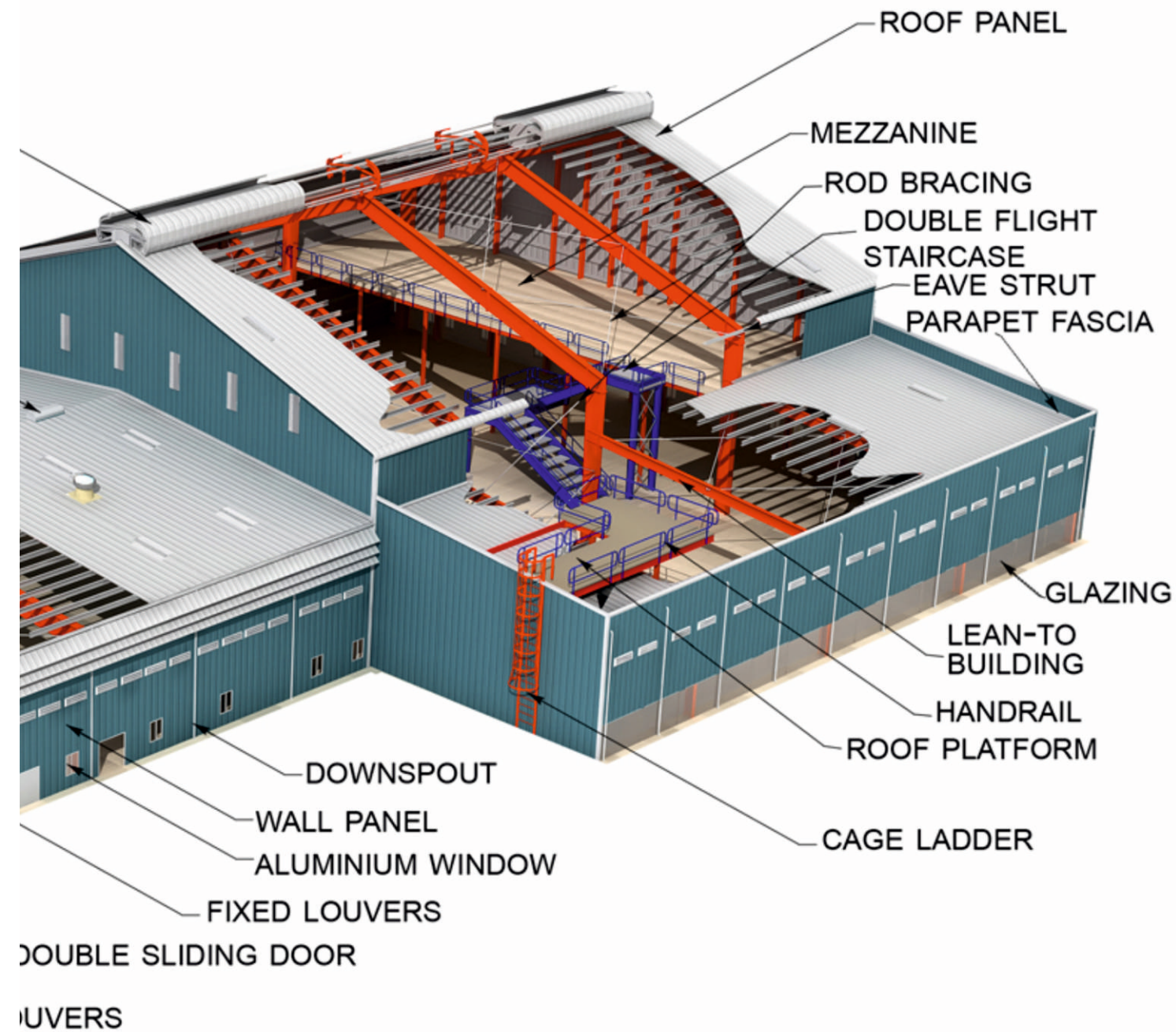


TYPE OF STRUCTURES YOU CAN CHOOSE FROM - I

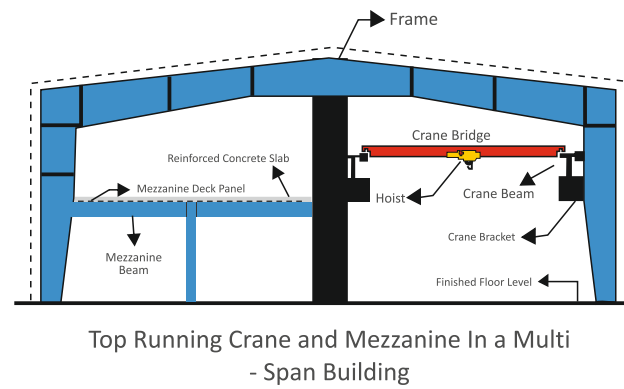
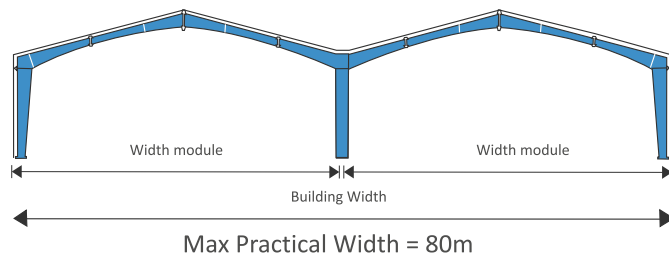
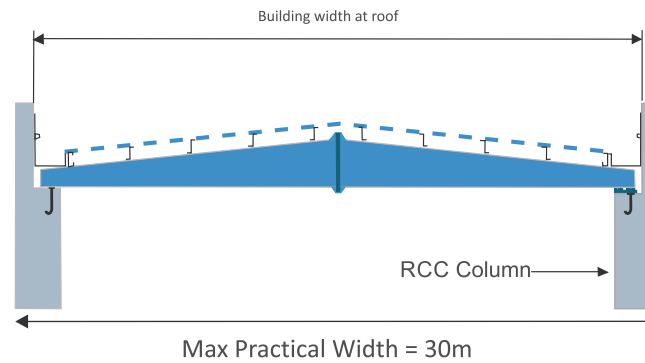
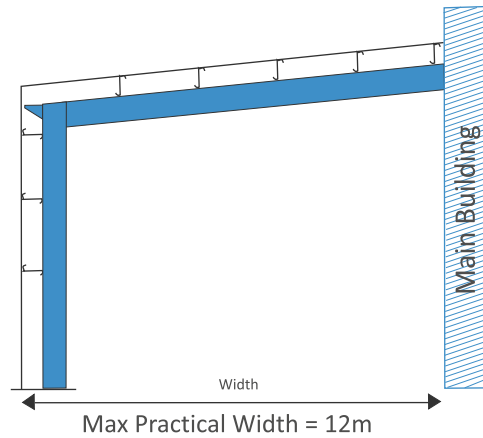


PEB STRUCTURE: THE ABSOLUTE VIEW

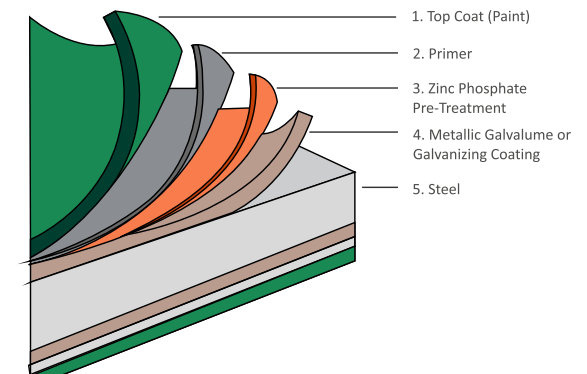
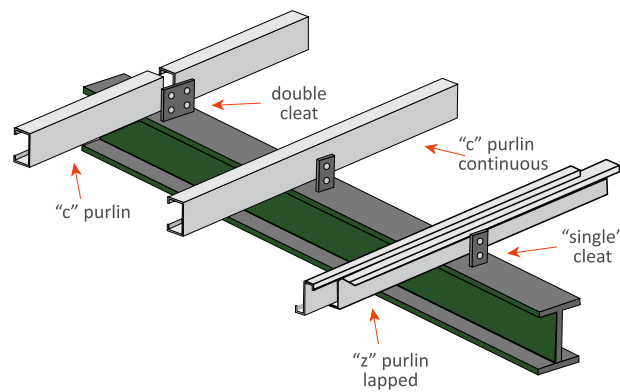
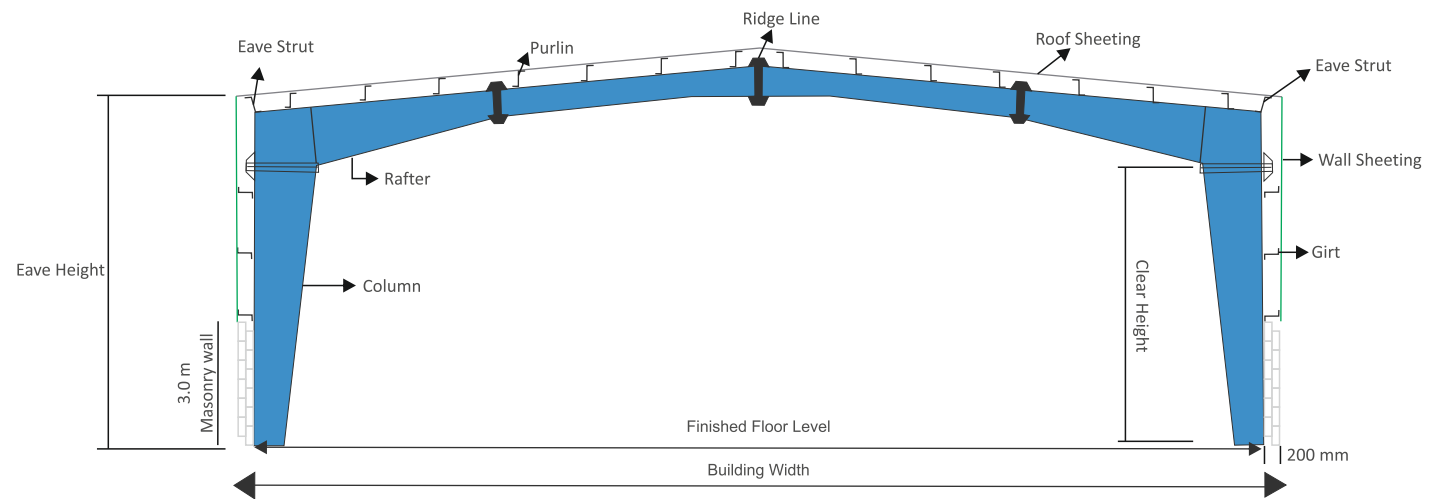




TYPE OF STRUCTURES YOU CAN CHOOSE FROM - II

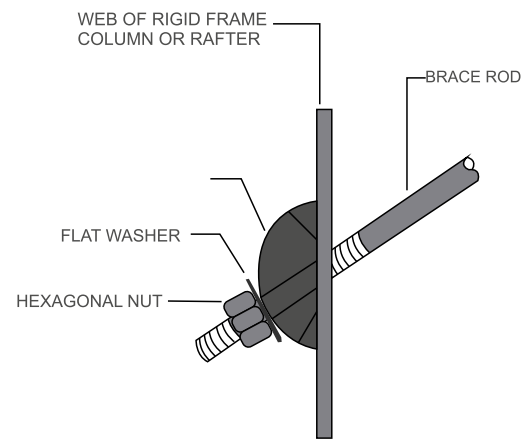


PEB : TECHNICAL KNOW HOW



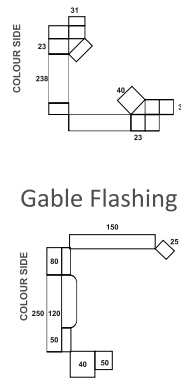
Layer of Pre-Painted steel sheets

PEB : TECHNICAL KNOW HOW

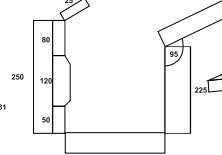


Rod Bracings

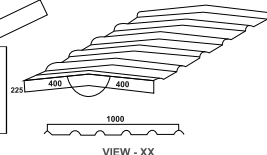
Corner Flashing



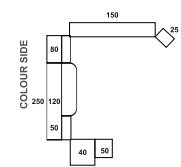
Eave Gutter



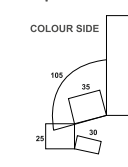
Profile Ridge



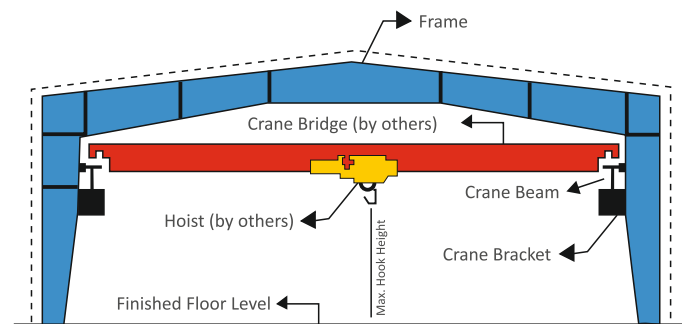
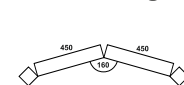
Gable Flashing



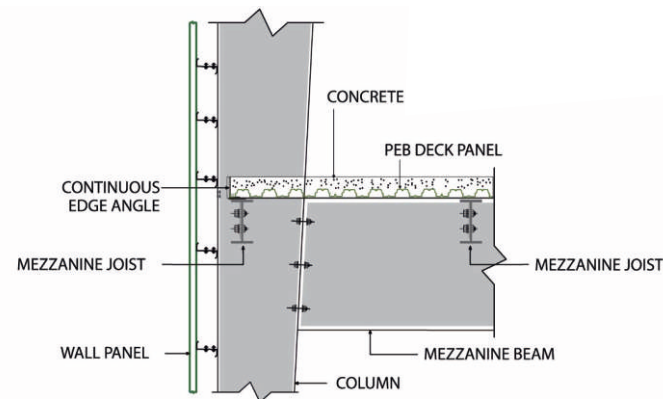
Drip Flashing



Plain Ridge



Top Running Crane in a Clear - Span Building



Mezzanine Beam Connection to Main Frame Column

MEZZANINE FLOORS

Mezzanine Floors can be provided in complete or partial area in a pre-engineered steel building. Intermediate mezzanine floors are possible in metal building. The standard mezzanine floor framing system consists of a steel deck (decking profiled sheet/chequered plate) supported by joist frame onto main mezzanine beams.

METAL DECKING SHEETS

Composite Floor Deck is a steel deck with a ribbed profile, which binds with concrete slab and together forms a part of the floor structure. This interlocking between the concrete and the floor deck is brought about through a system of embossment and ribs which are built into the deck, creating a reinforced concrete slab that serves the dual purpose of permanent form and positive reinforcement.

TECHNICAL SPECIFICATIONS

Material: CR Steel as per IS:513 D-Quality / HR Steel as per IS:1079 / Galvanized Steel (as per IS:277)

Thickness: 0.6 to 2.0 mm @ up to 340 Mpa

Type: Bare, Primer coated, Galvanized, Pre-Painted

ADVANTAGES OF METAL DECKING

Light weight & doesn't require any support, which considerably reduces the use of concrete & slab thickness.

- ▶ Acts as composite member and as permanent shuttering.
- ▶ No major reinforcement required.
- ▶ Deck can be used as working platform during construction.
- ▶ Speedy construction enables faster completion of a project.
- ▶ Decking reduces the construction time, hence the total cost.

OUR CLIENTS



TOYOTA



HONDA



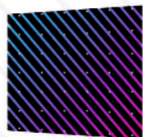
Kawasaki



SANKYU



GEMCORP



GLASSTRONNTM
Fusion of Glass Films & Electronics



Nikitech Electric Pvt. Ltd



Sri Rama Traders



STOREKING



CONNECT WITH US

Ready to elevate your next project?
Connect with Vinnar Reality today to start the journey of turning your vision into an engineered reality. Visit our website, call us, or email to discuss your project needs or schedule a consultation.

Partner with Vinnar Reality and invest in a future built on the foundation of reliability and innovation.

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