Prefab Steel Warehouse and Industrial Workshop Galvanized Steel Structure Building with Wall and Roof Panels for Different Industrial Site Requirements

Our Product Introduction

Basic Information

- Place of Origin: Hebei,China
- Brand Name: BAODU
- Certification: ISO9001,CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 1000square meters
- Price: $25-30square meter
- Packaging Details: In general, for steel structure , we use the steel frame packing to keep goods not to be broken . For sandwich panel and color steel sheet, we use the plastic packing . If the clients need special packing will according to their requirements.
- Delivery Time: 21days
- Payment Terms: L/C,D/A,D/P,T/T,Western Union,
- Supply Ability: 10000 Square Meter/Square Meters per Month



Product Specification

- Features: Pre Engineered Metal Buildings
- Product Name: Prefab Steel Warehouse And Industrial Workshop Galvanized Steel Structure Building With Wall And Roof Panels For Different Industrial Site Requirements
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Type: Steel Frame Shop Buildings Steel Structure Warehouse
- Main Frame: Welded H Steel Beam, Steel Truss
- Life Span: Designed For 50 Years
- Dimensions: Customers' Requirement
- Main Material: Steel Structure Frames
- Project Solution Capability: Graphic Design, 3D Model Design, Total Solution For Projects, Cross Categories Consolidation, N/A, Others
- Design Style: Industrial

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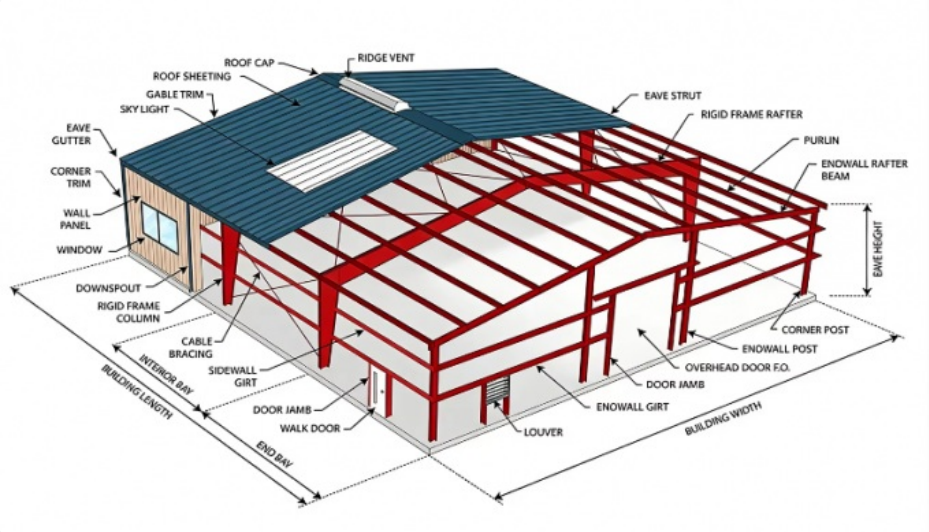
Product Description

Product Overview

This prefab steel warehouse and industrial workshop is a light-to-medium steel frame structure built on hot-dip galvanized H-section columns and rafters, connected by bolted joints rather than on-site welding. The roof and wall envelopes are closed with profiled color steel sheets, sandwich panels, or a combination of both, supported by a Z-section or C-section purlin system sized to the actual panel load and roof pitch.



Structure: hot-dip galvanized H-section portal frame, bolt-connected, with purlins, bracing and secondary members included as a complete kit.

Envelope: single-skin corrugated sheet, EPS / glass-wool / rock-wool sandwich panel, or an insulated composite wall — selected per climate and fire requirement.

Span range: typically 12–36 m single span, wider with intermediate columns or multi-bay layout.

Delivery form: fully disassembled, marked and packed for container shipment.

Documentation: general arrangement drawings, fabrication drawings, anchor bolt layout plan and erection sequence issued with the order.

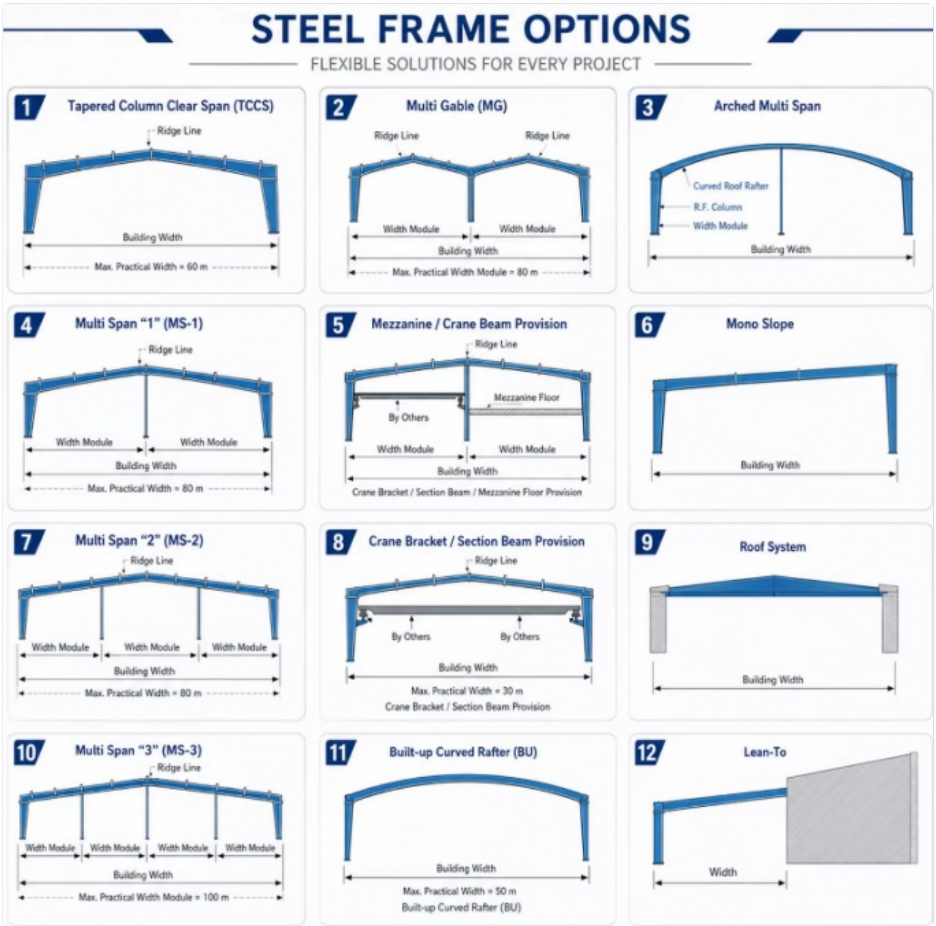
Technical Specifications

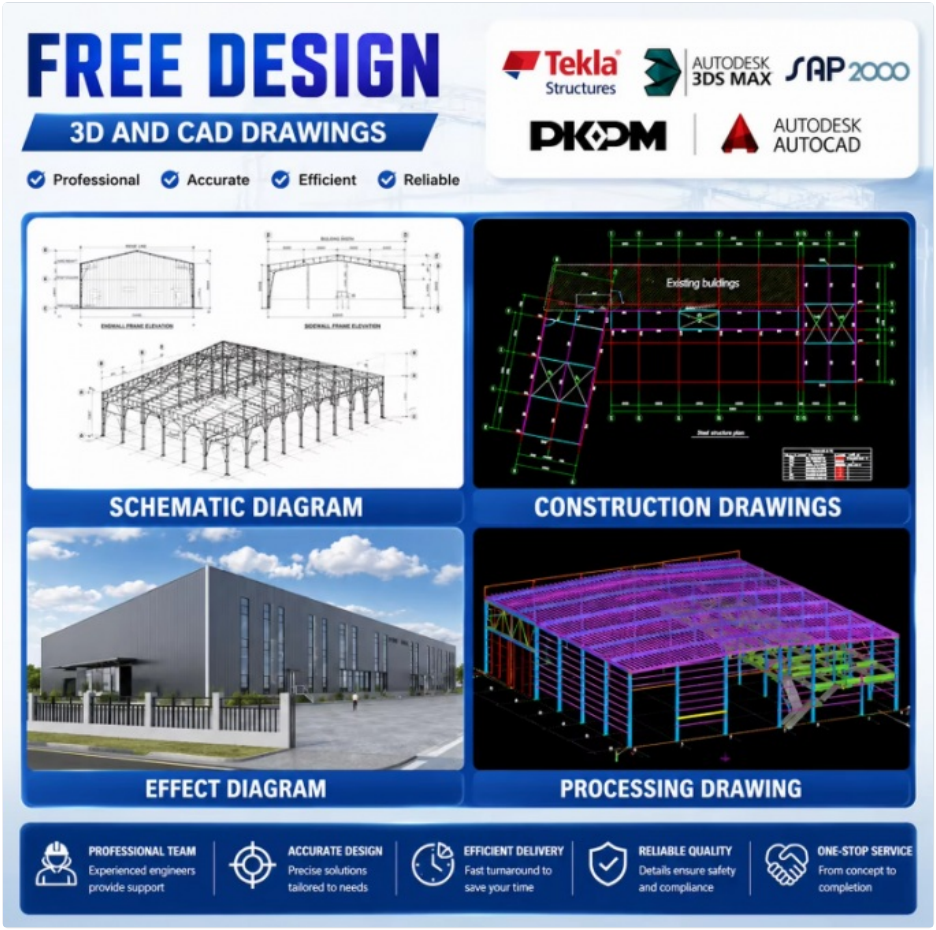
Component Group	Scope
Main frame	H-section columns, rafters, and end-wall columns with connecting plates and high-strength bolts.
Secondary structure	Roof and wall purlins, tie rods, corner columns, diagonal and horizontal bracing.
Roof system	Profiled roof sheets or sandwich panels, ridge caps, eave trim, flashing, fasteners and sealant.
Wall system	Wall panels, corner and opening trims, flashings, self-tapping screws.
Openings	Door and window frames, sub-frames, roll-up or sliding door units where specified.
Foundation interface	Anchor bolt sets, base plates, embedded bolt plan and setting-out coordinates.
Accessories	Roof drainage and gutter sections, skylight panels, ventilation and insulation accessories as ordered.

Steel Materials



Technical Parameters





> **Important Note:** Steel structure buildings are custom-designed to meet specific requirements. If our example pictures differ from your needs, please provide your building data or drawings. Our team with over 10 years of steel structure experience will create exact designs, quotations, and renderings for your project.

Applications









Requirement	Recommended Configuration	Design Focus
High-volume goods storage	Multi-bay frame, eave height 8–12 m, wide roll-up doors, single-span interior where possible	Clear floor area and forklift circulation
Machining and assembly workshop	Single or double span with mezzanine provision, glass-wool panels, service openings	Vibration-friendly layout, insulation, utility routing
Coastal or humid location	Full hot-dip galvanized frame, higher zinc grade, sealed panel joints	Corrosion resistance and condensation control
High wind or snow zone	Increased purlin density, heavier bracing, verified roof fixing pattern	Load-path continuity at eave and ridge
Phased expansion	Modular bay design with pre-planned extension axis and bolted end frame	Adding bays without rebuilding structure
Fire-sensitive process area	Rock-wool panels, non-combustible envelope detailing, defined escape openings	Fire-class compliance and compartmentation
Cold-chain or temperature-controlled use	Thicker sandwich panels, thermal-bridge detailing at frames and openings	U-value and air-tightness
Remote site with limited labour	Maximum factory pre-cutting, serial-marked bundles, detailed erection drawings	Assembly by a small local crew

Customization Options



Complete customization is available for size, layout, materials, and functional requirements to meet specific operational needs.

Technical Support & Services









- Professional installation and setup assistance
- Comprehensive troubleshooting and technical guidance
- Maintenance and care recommendations for longevity
- Staff training for efficient warehouse utilization
- Continuous support and consultation throughout product lifespan

Packaging & Global Shipping



All goods are shipped disassembled. Columns, rafters and purlins are bundled and marked by assembly group, panels are packed in protected stacks, and bolts and accessories are boxed with a packing list per container so that unload order matches erection order.

Loading method: Flat-rack or standard 40HQ / 40GP containers, loaded by member length to minimise empty space; long members are nested and braced.

Marking system: Each bundle carries a serial number matching the erection drawing and packing list; individual members carry their own marks.

Protection: Panel edges are protected against transit damage, galvanized surfaces are kept clear of standing water, and fasteners are sealed in cartons.

Loading reference: As an indicative figure, one 40HQ container typically carries the frame and envelope of roughly 300–500 m² of single-storey building, depending on span, panel thickness and accessory scope. Actual quantities are confirmed against the project bill of materials after drawing approval.

Shipping terms: FOB, CIF or other terms as agreed; port, vessel schedule and shipping documents are confirmed before booking.

Documents: Packing list, commercial invoice, bill of lading, and certificates required by the destination port are prepared per the agreed scope.

FAQ

1. Is this building a warehouse or a workshop?

Both. The structural platform is the same; the difference is in the configuration — eave height, bay width, door size, panel type and whether a crane runway or mezzanine is included. We finalise it against your intended use.

2. What is the maximum span you can supply?

Single clear spans of 36 m are commonly produced, and wider spans are possible with heavier sections or intermediate columns. Each case is checked against the wind and snow load of your site rather than quoted as a fixed maximum.

3. Can the building be extended later?

Yes. The frame is modular, and if the extension axis is planned at design stage, additional bays can be bolted onto the existing end frame with new columns and purlins.

4. Do I need a local architect or engineer?

We issue the structural and fabrication drawings, but foundation design and local code compliance normally require a local engineer's review and

stamp. We can supply the loads and reactions needed for that review.

5. How long is production and delivery?

Production typically starts after drawing approval. Standard configurations usually require a few weeks of fabrication plus sea transit time; project-specific schedules are confirmed in the quotation.

6. Can the building be installed without a Chinese erection team?

Yes. Bolted assembly, serial markings and the supplied erection drawings allow a competent local crew to build it. If supervision is needed, that scope is agreed separately.

7. What about wind, snow and earthquake conditions?

Design loads are set from your site's parameters or from the code you specify. High-wind and high-snow zones result in denser purlins, heavier bracing and a verified fixing pattern rather than a different structural concept.

8. Which panel should I choose?

Single-skin sheet for the lowest cost where insulation is not needed; EPS for standard envelopes; glass-wool where fire safety and acoustics matter; rock-wool for higher fire class or hot climates. We map the choice to your climate and fire requirement.

9. How is the goods packed, and how much fits in a container?

Disassembled, bundled by assembly group, with bolts boxed and a packing list per container. As a reference, a 40HQ typically carries roughly 300–500 m² of building depending on span and panel thickness; the exact figure comes from the approved bill of materials.

10. Do you supply doors, windows and drainage?

Door and window units, sub-frames, gutters and downpipes can be included in the scope. Items outside our production range can be sourced and packed with the shipment if agreed in the contract.

11. What warranty applies?

The warranty covers fabrication defects and material conformity within the agreed period, with galvanizing and panel warranties subject to the supplier's terms. Erection quality, foundation condition and maintenance remain with the buyer's contractor.

12. What information do you need for a quotation?

Site location, building dimensions or sketch, intended use, eave height, door and window positions, roof and wall panel preference, and any crane, mezzanine or insulation requirement. With these, we return a layout proposal and a price.

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