

Section-assembled Metal Industrial Construction Wide Clear Span Detachable Frames Used For Machine Workshop Storage Depot And Goods-packaging Plant

Our Product Introduction

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Basic Information

- Place of Origin: Hebei, China
- Brand Name: BAODU
- Certification: ISO9001, CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 800square meters
- Price: \$20-30square 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: 30days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union,
- Supply Ability: 100000 Square Meter/Square Meters per Month

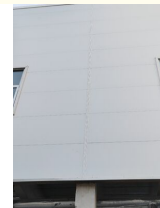
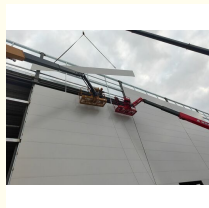


Product Specification

- Product Name: Section-assembled Metal Industrial Construction Wide Clear Span Detachable Frames Used For Machine Workshop Storage Depot And Goods-packaging Plant
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Bracing: Round Bar/Angle Steel/Steel Rod
- Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Roof Cladding: Corrugated Steel Sheet/Sandwich Panel
- Purlin: C.Z Shape Steel Channel
- Main Frame: Welded H Steel Beam, Steel Truss
- Size: According To Customer Requirement
- Tolerance: $\pm 1\%$
- Wall Panel: Steel Color Sheet, Sandwich Panel
- Loadcapacity: Designed According To Client Requirements
- Brace: Round Bar



More Images



Product Description

Section-Assembled Metal Industrial Construction Frames

Wide clear span detachable frames designed for machine workshops, storage depots, and goods-packaging plants.

Key Features & Benefits

ISO 9001 Certified Quality: Full quality control from raw materials to final packaging ensures stable structural performance and consistent quality.

Climate-Adaptive Design: Optimized for tropical high temperature, humidity, heavy rainfall, coastal salt fog, and dry windy weather conditions.

Large Clear-Span Space: Customizable spans from 6m to 60m without middle columns, improving operational efficiency by up to 30%.

Professional Anti-Corrosion Treatment: Multi-layer anti-rust paint or hot-dip galvanizing resists moisture, acid-base erosion, and coastal salt spray.

Integrated Performance: Fireproof, heat insulation, and soundproof capabilities with high-quality rock wool/PU/EPS sandwich panels.

Full Customization Support: Customizable building size, height, roof slope, ventilation, lighting, and crane systems.

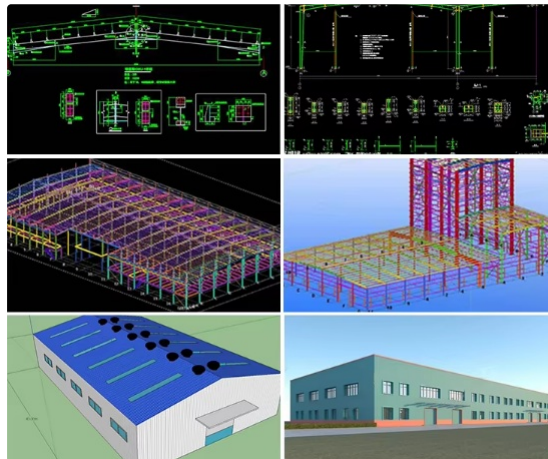
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Lightweight Structure: 50% lighter than traditional concrete buildings, reducing foundation engineering difficulty and cost.

Product Specifications

Component	Specifications
Main Framing	Welded/Hot rolling H section column and beam
Column	Q235, Q355B, S355JR, S275, SS304, SS316 H section steel, Spray painting and galvanizing
Beam	Q235, Q355B, S355JR, S275, SS304, SS316 H section steel, Spray painting and galvanizing
Secondary Framing	
Purlin	Q235B Z and C sections purlin
Knee brace	Q235B angle steel, galvanized
Tie bar	Q235B round steel, painted
Bracing	Q235B round steel, galvanized
Roof and Wall Panels	Steel sheet and insulated sandwich panels
Single steel sheet	0.5/0.6/0.7 color steel sheet
Sandwich panel	EPS/PU/Fiber glass wool/rock wool sandwich panel
Steel Decking Floor	V-688 Decking floor
Structural Subsystem	Canopies, Fascias, Partitions, etc.
Mezzanines, Platforms	H beam
Other Building Accessories	Sliding Doors, Roll Up Doors, Windows, Louvers, etc.

Technical Parameters



Basic Design Requirements

- Project site location
- Overall dimension (length*width*eave height in meters)
- Mezzanine requirements and load capacity per square meter
- Single-layer steel sheet wall or sandwich panel wall
- Snow load if applicable
- Wind speed/load
- Interior column requirements
- Overhead crane requirements and capacity
- Any other particular requirements

Components



Project Delivery Process

Custom Design & Quotation: Confirm building requirements and local climate conditions, receive professional structural design drawings and detailed quotation within 24 hours.

Production & Quality Inspection: Standardized factory production with multi-process quality inspection and customer confirmation via photos/videos.

Export Packaging & Loading: Professional export packaging with complete container loading documentation.

Ocean Shipment & Tracking: Arranged shipment with real-time cargo tracking and full customs clearance documents.

After-Sales Technical Support: English installation guidance, remote video assistance, and lifelong consultation service.

Project Case Studies





Quality Assurance

Excellent product quality is our eternal pursuit and the foundation of our global market presence. BAODU GROUP implements whole-process quality management, strictly supervising every stage from raw material supply to installation and construction.



We maintain a professional quality inspection team with advanced equipment including German GS1000 vacuum spectrometer and high-frequency infrared carbon sulfur analyzer. Our quality management has earned multiple awards and we support testing and certification by SGS, TUV, and BV.

Certification



Company Profile

Baodu International Advanced Construction Material Co., Ltd was established in January 2010 with offices in Beijing and factory in Hebei, China. We are designers, manufacturers, suppliers, and exporters of industrial noise treatment solutions, steel structures, sandwich panels, and prefab houses.

Annual production capacity includes 6 million square meters of acoustic sandwich panels, 100,000 tons of steel structures, and 1 million square meters of floor decking sheet. Our products are sold in over 30 countries worldwide.

Our professional design team includes 5 senior engineers, 20 engineers, and 35 technicians with over 10 years of experience. We hold multiple energy saving and environmental protection intellectual property rights, construction and environmental protection design qualifications, CE certification, and Russian GOST certification.

Notable projects include the parade village for China's 60th anniversary and Beijing Daxing International Airport. Under China's "One Belt, One Road" strategy, we have undertaken international projects including Thar Pakistan coal-fired power plant and Hasyan Dubai power plant.

Packing and Shipping

Standard Seaworthy Export Packaging

All section-assembled metal frame components are wrapped with waterproof and dust-proof woven cloth and fixed with anti-collision steel belts to prevent extrusion and deformation during long-distance ocean transportation. Standard bolts, connectors and small accessories are classified and packed in waterproof cartons and wooden boxes with clear labels for accurate on-site matching.

Optimized Container Shipping

All modular metal sections are optimized for 20GP, 40GP and 40HQ container loading, maximizing container space utilization and reducing ocean freight costs. We support FCL and LCL global shipping, covering Southeast Asia, Africa, Europe, Middle East and other mainstream markets.

Complete Export Documents

We provide full set of official export documents including commercial invoice, packing list, bill of lading, material test report and factory quality inspection report to ensure smooth customs clearance and local project acceptance.

Frequently Asked Questions

What are the advantages of pre-manufactured steel frame compared with traditional on-site construction?

Pre-manufactured components are fully processed in the factory with higher precision and more stable quality. On-site only needs bolt assembly, which saves 60%+ construction time, reduces labor dependence, avoids on-site construction pollution and quality instability.

Is it suitable for long-term stock storage?

Absolutely. The high-performance thermal insulation system maintains stable indoor temperature and humidity, effectively preventing stock mildew, deterioration and condensation. The fully enclosed waterproof and dust-proof structure isolates external pollution.

Does the building adapt to high-frequency logistics transit operation?

Yes. The large clear-span space facilitates free cargo handling and forklift operation. The durable steel frame structure resists frequent equipment collision and vibration, and the professional ventilation and drainage system adapts to high-flow transit operation.

Do I need professional construction workers for field installation?

No. All pre-manufactured components are standard and matched with simple bolt assembly. Ordinary local workers can complete installation independently with our English installation guides and video tutorials.

Can I customize hygienic, insulation and ventilation functions?

Yes. We support full personalized customization according to your usage scenarios, including food-grade anti-corrosion coating, constant-temperature insulation system, negative pressure ventilation, and dust-proof and waterproof facilities.

What is the service life of the pre-manufactured steel frame building?

With professional hot-dip galvanizing or multi-layer anti-rust treatment, the main steel frame has a service life of 40-50 years. The food-grade hygienic panels and supporting systems have stable performance with low daily maintenance cost.



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