



China Steel Structure Manufacturer Custom Portal Frame Workshop Structural Drawings Panel Layout Drawings Installation Manual Remote Technical Support Prefab Metal Factory Building

Our Product Introduction

Basic Information

- Place of Origin: Hebei, China
- Brand Name: BAODU
- Certification: ISO9001, CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 600 square meters
- Price: \$22-35 square 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: 30 days
- 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: China Steel Structure Manufacturer Custom Portal Frame Workshop Structural Drawings Panel Layout Drawings Installation Manual Remote Technical Support Prefab Metal Factory Building
- Bracing: Round Bar/Angle Steel/Steel Rod
- Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Application: Steel Workshop, Steel Fabricated House, Warehouse, Industry Building, stadium
- Type: Light, Heavy, Heavy Steel Structure, Light Steel Structure, Customized Prefabricated Steel Structure Building
- Color: Optional, blue, Blue Or As Per Your Need, red Or Customized, Customer Requirement
- Main Structure: C Type Purlin, Welded Or Hot Rolled H Section Steel, H Type Column, Z Type Purlin

Product Description

Custom Portal Frame Prefab Metal Factory Building

As a leading China steel structure manufacturer, we supply custom portal frame prefab metal factory buildings for worldwide export markets. This industrial building solution adopts a bolt-connected portal frame design, with all steel members precision-fabricated in our factory before shipment.

We deliver a one-stop export service covering structural design, production, surface coating, packing, loading, and remote installation guidance. Our professional structural engineers customize dimensions, load parameters, and layout according to different national building codes and client site conditions. Full sets of export documents can be provided to smooth customs clearance for overseas projects. Whether you need a standalone workshop or a combined factory and warehouse, we can tailor the solution to match your budget and functional demands.

Product Specifications

Name	Steel Structure Building
Main Material	Q235 – Q420 Welded H Beam and Hot Rolled Section Steel
Surface Treatment	Painting or Galvanizing
Roof and Wall Panel	Sandwich panel, single corrugated steel plate, glass cotton colored board for customers' choice
Window	PVC or Aluminum Alloy
Door	Sliding Door or Rolling Shutter Door
Design Service	We have experienced designers to design according to your requirements.
Manufacturing	We can manufacture all kinds of steel structure products according to customers' needs.
Installation	We provide detailed drawings to ensure installation. We also provide installation, supervision, and training services. We can send a team of engineers to guide or install on site.
Packing	1. Steel structure components will be in nude packaging with proper protection. 2. Sandwich panels will be covered with plastic film. 3. Bolts and other accessories will be loaded into wooden boxes. 4. Container drying treatment. 5. According to customer's requirement.
Quality Inspection	Factory Self-inspection, Customer Inspection, Third Party Inspection

Technical Parameters



Basic Design Requirements and Design Load

Could you tell me your requirements for your steel structure project? Please provide the following information:

Project site location

Overall dimension (length × width × eave height in meters)

Mezzanine or not? How many kgs of load per square meter on the mezzanine?

Single-layer steel sheet wall or sandwich panel wall

Snow load if applicable

Wind speed / wind load

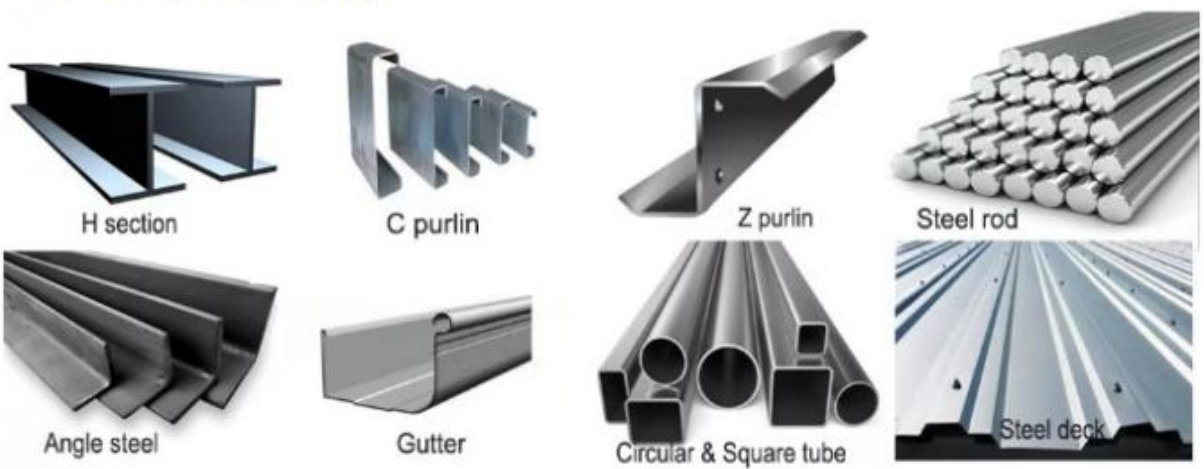
Interior column allowed or not

Overhead crane needed or not, capacity?

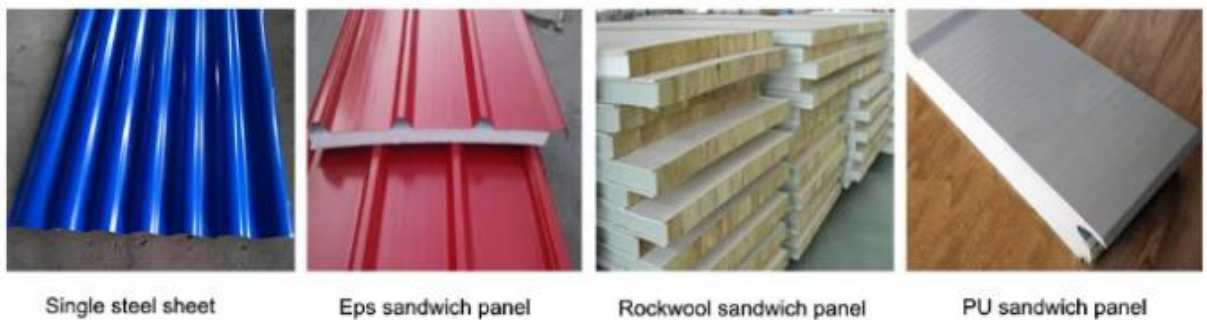
Any other particular requirements?

Steel Structure Components & Key Features

Main frame(column& beam)



Auxiliary system (wall& roof material)



Cost-saving and convenient transportation; custom design available.

The main beam and column are made of qualified steel.

The steel structure makes the building resistant to heavy wind of 140 km/h and 8-grade earthquake.

Good ability to assemble and disassemble multiple times without damage.

Widely used in construction sites, office buildings, dormitories, etc.

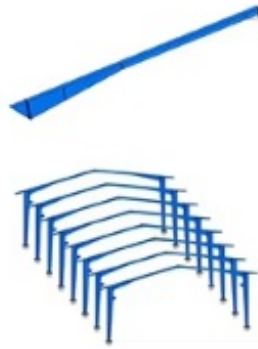
Environmental protection effect is excellent. Steel structure housing construction greatly reduces sand, stone, and ash dosage. Materials used are mainly green, recyclable, or degradable. When the building is dismantled, most materials can be recycled or degraded, producing minimal waste.

Steel Building Process

Support



Variable section steel column



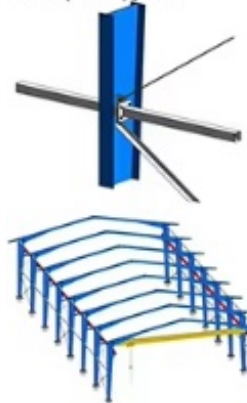
Bridge crane



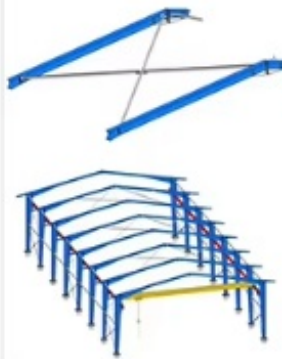
Weighing pole



Oblique support



Oblique pull strip



Cypress strips



Hand-pulled noodles



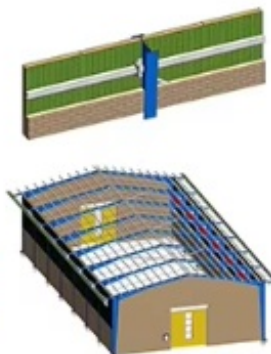
Gutter



Wall column



Layered board



House panel



Project Cases







- Overseas industrial production factory
- Export project storage warehouse
- Prefabricated plant for Africa, Europe & Southeast Asia
- Overseas investment manufacturing workshop
- Industrial auxiliary building for cross-border projects
- Custom metal building for international tender projects

Advantages of Steel Structure Buildings

The components of the steel structure have small sections, light weight, easy transport and installation, suitable for large span, high height, and heavy bearing structures.

Suitable for withstanding impact and dynamic load, with good seismic performance. The internal structure of steel is uniform with high reliability.

Factory mechanized production of steel structure components yields finished products of high precision, high production efficiency, fast site assembly, and short construction period.

Our prefabricated steel structure buildings are pre-cut, pre-drilled, and ready for quick and efficient assembly. Steel buildings work for virtually any building application: agricultural barns, aircraft hangars, welding shops, commercial centers, garages, storage, suburban buildings, warehouses, workshops, schools, wedding halls, dormitories, and more.

Strict Quality Inspection Standards



Excellent product quality is our eternal pursuit, and it is also the fundamental reason for us to base ourselves in the global market. BAODU GROUP implements whole-process quality management and strictly supervises every process such as raw material supply, engineering design, steel component manufacturing, installation, and construction.

We have established a professional team of quality inspection engineers, introduced internationally leading quality inspection equipment such as German GS1000 vacuum spectrometer and high-frequency infrared carbon sulfur analyzer, established a high-quality product inspection room,

and won many awards from China's advanced quality management unit.

In addition, we support testing and certification by SGS, TUV, and BV.

Certification

RUSSIAN FEDERATION		02353
СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ ПОЖАРНОЙ БЕЗОПАСНОСТИ № РОСС RU.32623.04ГССВ в едином реестре зарегистрированных систем добровольной сертификации		
	СЕРТИФИКАТ СООТВЕТСТВИЯ <u>№ РОСС RU.32623.OC13ПБ.10362</u> (номер сертификата соответствия)	
ЗАЯВИТЕЛЬ (наименование и местонахождение заявителя)	Общество с ограниченной ответственностью "Перспектива" Адрес: Российская Федерация, 125167, г. Москва, вн. тер. г. муниципальный округ Хорошевский, Проспект Ленинградский, д. 47, стр. 2, помещение 28а ОГРН: 1247700676750, телефон: +74955181399, адрес электронной почты: perspectiva2409@mail.ru	
ИЗГОТОВИТЕЛЬ (наименование и местонахождение изготовителя продукции)	Baodu International Engineering Technology Co., Ltd. Адрес: Китай, Room 1101, Building 6, No. 9 Yard, Hongye Road, Daxing District, Beijing City Телефон: +86 010-61237405	
ОРГАН ПО СЕРТИФИКАЦИИ (наименование и местонахождение органа по сертификации, выдающего сертификат соответствия)	№ РОСС RU.32623.OC13ПБ Общество с ограниченной ответственностью «Эксперт», 129090, г. Москва, вн.тер.г. муниципальный округ Мещанский, ул. Щепкина, дом 28, помещ 2/5	
ПОДТВЕРЖДАЕТ, ЧТО ПРОДУКЦИЯ (информация об объекте сертификации, позволяющая идентифицировать объект)	Конструкция ограждающая стеновая на основе стеновых панелей, трехслойных, с облицовкой из стальных профилированных листов толщиной 0,6-1,0 мм, с утеплителем из минеральной ваты с плотностью не менее 100 кг/м3, общая толщина панели 100-350 мм. Торговая марка: BAODU. Серийный выпуск.	
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ (наименование стандарта, правил, условий договора, на соответствие которого (которых) проводилась сертификация)	ГОСТ 30244-94 «Материалы строительные. Методы испытаний на горючесть», раздел 6, метод 1 Материал относится к негорючим материалам (НГ). ГОСТ 32603-2021	
ПРОВЕДЕННЫЕ ИССЛЕДОВАНИЯ (ИСПЫТАНИЯ) И ИЗМЕРЕНИЯ	Протокол испытаний № ИЛ13-62792 от 23.05.2025 года, выданной Испытательной лабораторией Общества с ограниченной ответственностью «Эксперт», аттестат аккредитации РОСС RU.32623.ИЛ13ПБ	
ПРЕДСТАВЛЕННЫЕ ДОКУМЕНТЫ (документы, представленные заявителем в органы по сертификации в качестве документов, подтверждающих соответствие продукции требованиям нормативных документов)		
ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ	Схема сертификации: 1с	
СРОК ДЕЙСТВИЯ СЕРТИФИКАТА СООТВЕТСТВИЯ	с 23.05.2025 по 22.05.2028	
Руководитель органа		О.В. Ребрин инициалы, фамилия
Эксперт		Т.А. Сибирякова инициалы, фамилия
Сертификат не применяется при обязательной сертификации		



CERTIFICATE

ATTESTATION CERTIFICATE

The Company mentioned below has been audited by the Notified Body UDEM, according to relevant standard given below

Company Name : Baodu International Advanced Construction Material Co., Ltd.

Company Address : No.26, Baihe Road, Yongqing Industrial Zone, Hebei Province, China

Related Standards : EN 14509:2013

Product Name : Insulated Metal Cladding

Report No and Date : BIACM210615001/15.06.2021

Product Brand/Model/Type : BD-100MM-IMC, BD-50MM-IMC, BD-75MM-IMC, BD-120MM-IMC, BD-150MM-IMC, BD-200MM-IMC

Certificate Number : M.2021.206.N8433

Initial Assessment Date : 28.06.2021

Registration Date : 29.06.2021

Reissue Date/No : -

Expiry Date : 28.06.2026

The currency of the certificate can be checked through www.udemtd.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Co. Ltd. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. The above named firm must notify all changes related with the approved type to UDEM. If UDEM will not renew expiry date of this certificate in question

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY

Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76

E-mail: info@udemtd.com.tr www.udem.com.tr



UDEM International Certification
Auditing Training Centre Industry
and Trade Inc.Co.





CERTIFICATE

Certificate No: 019TJ24E90527R23M



CERTIFICATE OF ENVIRONMENT MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance: Apr. 11, 2018 / Date of Re-certification Issuance: Apr. 10, 2024

Date of Expiration: Apr. 10, 2027

This is to Certify that the Environment Management System of

BAODU INT'L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with

GB/T24001-2016 idt ISO14001:2015 Standard, applies to
PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR
PROFIED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION
SANDWICH PANEL)

BCC Inc.

President:



Unified social credit code: 911310235510875983U

REGISTERED ADDRESS: NO. 24, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS: NO. 24, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.



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管理体系
MANAGEMENT SYSTEM
CNAS COL-6



BCC Address: Room 41-50-10, Floor 2, Yu-41 Guangqunmen Street, Dongcheng District, Beijing, CHINA. This certificate is valid within the scope specified in the certificate and qualifications. Issuance: The effectiveness of this certificate shall be maintained by regular surveillance audits; the validity of the certificate can be inquired through www.bcc.com.cn or by QR code. The information of this certificate available for inquiry on CNCA's website: www.cnca.gov.cn.



Certificate No: 014TJ24530508234



CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance: Apr. 11, 2018 / Date of Re-certification Issuance: Apr. 10, 2024

Date of Expiration: Apr. 10, 2027

This is to Certify that the Occupational Health and Safety Management System of

BAODU INT'L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with
GB/T 45001-2020 idt ISO 45001:2018 Standard, applies to
PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR
PROFIED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION
SANDWICH PANEL)

BCC Inc.

President:



Unified social credit code: 911101023101873981U

REGISTERED ADDRESS: NO. 24, BAIME AVENUE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS: NO. 24, BAIME AVENUE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.



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管理体系
MANAGEMENT SYSTEM
CNAS C016-M



BCC Address: Room 41-01-01, Floor 1, 34-41 Guangqunmen Street, Dongcheng District, Beijing, CHINA. This certificate is valid within the specified validity of administrative and qualification licensing. The effectiveness of this certificate shall be maintained by regular surveillance audits, the validity of the certificate can be inquired through www.bcc.com.cn or by QR code. The information of this certificate available for inquiry on CNCA's website: www.cnca.gov.cn.



Certificate No: 016TJ24Q30731R2M



CERTIFICATE OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance: Apr. 11, 2018 / Date of Re-certification Issuance: Apr. 10, 2024

Date of Expiration: Apr. 10, 2027

This is to Certify that the Quality Management System of

BAODU INT'L ADV CONSTRUCTION MATERIALS CO., LTD.

is in conformity with

GB/T 19001-2016 idt ISO9001:2015 Standard, applies to

PRODUCTION OF STEEL STRUCTURE (INCLUDING PRODUCTION OF COLOR
PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION
SANDWICH PANEL)

BCC Inc.

President:



Unified social credit code: 91110223010873983U

REGISTERED ADDRESS NO.24, BAIME AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS NO.24, BAIME AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.



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CNAS COL-6



BCC Address: Room 41-01-01, Floor 1, 34-41 Guangguomenwai Street, Dongcheng District, Beijing, CHINA. This certificate is valid within the specified validity of administrative and qualification licensing. The effectiveness of this certificate shall be maintained by regular surveillance audit, the validity of the certificate can be inquired through www.bcc.com.cn or by QR code. The information of this certificate available for inquiry on CICA's website: www.cica.gov.cn.

Company Profile



Baodu International Advanced Construction Material Co., Ltd was established in January 2010 with the office in Beijing and factory in Hebei, China. Baodu is a designer, manufacturer, supplier, and exporter of industrial noise comprehensive treatment, steel structure, sandwich panel, and prefab house.

6 Million m²

Annual Acoustic Sandwich Panel Output

100,000 Tons

Annual Steel Structure Output

1 Million m²

Annual Floor Decking Sheet Output

30+ Countries

Global Sales Coverage

Baodu has a professional design team with more than 10 years' experience, including 5 senior engineers, 20 engineers, and 35 technicians. Baodu has several energy-saving and environment protection intellectual property rights, construction and environment protection design qualification, CE certification, and Russian GOST certification.

Baodu participated in the parade village project for the 60th anniversary of China and the project of Beijing Daxing International Airport. Under the guidance of China's "One Belt, One Road" strategy, Baodu has also undertaken overseas projects such as the Thar, Pakistan coal-fired power plant project, Hasyan Dubai power plant, and more. Finally, welcome your visit to Baodu for cooperation!

Packing and Shipping







河北省，廊坊市 | 2026.02.02 09:54

Main H-beam columns and beams bundled with heavy steel strips; each component marked with drawing number and project code.

C/Z purlins, tie rods, and bracing parts bundled separately, wrapped with PE protective film against rust and scratches.

Bolts, nuts, gaskets, anchor bolts, and other small fittings packed into export plywood cases. Detailed packing list inside each box.

Wall and roof panels wrapped with PE film to protect surface coating.

Shipping mode: 20GP / 40GP container for standard parts; over-length heavy beams shipped in bulk vessel.

Standard export shipping marks printed on bundles and cases. We provide full commercial documents for customs clearance.

Frequently Asked Questions

Q1: What is the core advantage of this disassemblable steel structure building?

The biggest advantage is full disassembly and reusability. Different from traditional fixed buildings, our metal frame can be completely disassembled, relocated, and reassembled for repeated use, which greatly saves long-term construction investment and is very suitable for enterprises with flexible development and project mobility needs.

Q2: What are the benefits of clear-span column-free design?

The column-free open space eliminates all indoor obstacles, realizing 100% flexible space layout. It can meet the space requirements of large equipment production, high-capacity storage, and commercial exhibition display, greatly improving space utilization and scene applicability compared with traditional multi-column buildings.

Q3: Can this building be used both for industrial production and commercial showroom?

Yes. This multi-functional steel structure is specially optimized for dual industrial and commercial scenarios. The neat and open interior space can be used as a production and storage workshop, and can also be simply decorated into a professional product showroom, realizing multi-purpose use of one building and maximizing investment value.

Q4: Is the pre-drilled modular structure accurate for on-site assembly?

Absolutely. All components are pre-cut and pre-drilled by CNC automated equipment with high precision and unified standards. The on-site fitting degree is high without secondary processing, ensuring fast and standardized assembly.

Q5: Is the disassembly and reinstallation process complicated?

No. The whole building adopts a standard bolt connection structure. Disassembly and reassembly only need simple tool operation with a low technical threshold. Ordinary local workers can complete the operation independently with our English guidance documents.

Q6: What is the service life of the disassemblable metal frame building?

With professional hot-dip galvanizing or multi-layer anti-rust paint treatment, the main steel frame has a stable structure and strong anti-aging performance, with a service life of 40–50 years. The reusable components have almost no loss after multiple disassembly and assembly cycles.

Q7: Can I customize the size, appearance, and supporting functions?

100% customizable. We can adjust the building span, length, height, roof style, exterior color, and configure ventilation, daylighting, fire prevention, crane beam, and other systems according to your industrial production, storage, and commercial display needs.

Why Choose Us

We are a professional steel structure manufacturer with decades of export experience. We have complete production lines for steel cutting, welding, drilling, and coating. Each project has a dedicated engineer and salesperson to follow up. We provide full-cycle service: design, fabrication, QC, export packing, and technical support for your global industrial building projects.



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