



## GB Standard Manufacturer 40\*45\*6 Light Construction Material Steel Structure Building Warehouse

### Our Product Introduction

#### Basic Information

- Place of Origin: Hebei, China
- Brand Name: BAODU
- Certification: ISO9001, CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 1000 square meters
- Price: \$35-50 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, MoneyGram
- Supply Ability: 100000 Square Meter/Square Meters per Month



#### Product Specification

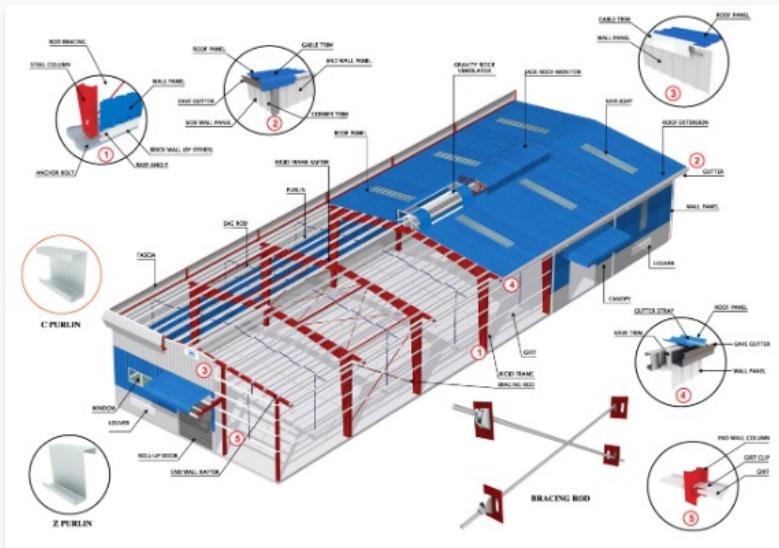
- Product Name: GB Standard Manufacturer 40\*45\*6 Light Construction Material Steel Structure Building Warehouse
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Project Solution Capability: 3D Model Design
- Size: According To Customer Requirement
- Material: Q235B/Q345B Low Carbon Steel
- Color: Customized Color
- Secondary Frame: C&Z Purlin, Brace
- After-sale Service: Online Technical Support
- Certificate: ISO9001 CE
- Highlight: GB standard steel warehouse, light construction steel building, prefab steel structure warehouse

## ***Product Description***

GB Standard 40x45x6 Light Construction Steel Structure Building Warehouse

## Product Overview

Steel structure warehouses feature high fire resistance and strong corrosion resistance. The main bearing components include steel columns, steel beams, and steel roof trusses, connected using welds, bolts, or rivets.



## One-Stop Solution

Structural design safety certificates and design solutions

Cost reduction through reasonable budget planning and shortened duration

Complete project management from order receipt to design, production, quality control, packaging, delivery, and installation guidance

## Solutions for Common Challenges

Design standards compatibility: Our engineering team is familiar with local specifications

Installation guidance: We provide detailed installation drawings and documentation.

## Product Application Details

Steel grade, design load, seismic grade, wind grade, and fire rating requirements

Main Steel: Q355B / Q235B High Strength Structural Steel - Ensures structural safety and stability according to international standards

Surface treatment: Hot dip galvanizing / antirust paint - Provides excellent anti-corrosion properties and rust prevention, prolonging service life and reducing maintenance costs

## Technical Parameters

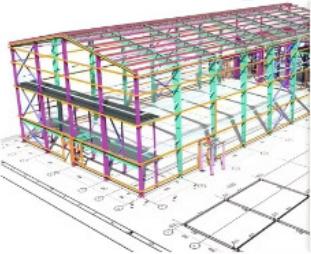


AUTODESK  
3DS MAX

SAP2000

PKPM

AUTODESK  
AUTOCAD

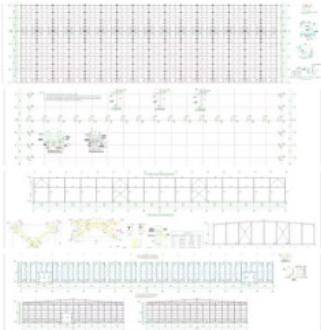


#### Steel Structural Design

We have an experienced design department, who have abundant practical experience to complete the structural design of various buildings perfectly as per Chinese design codes and local rules. The structure is reasonable and the steel consumption is cost-effective.

For overseas projects, the design work can be done by our partners, all of them are registered structural designers, and the design can be carried out as per BS-standards, US-standards, as well as the design codes of other countries.

**Detailing, 3D modeling, fabrication and installation shop drawings can be free with conditions.**



Please provide the following information for project consultation:

Project Progress: Land purchase status and government licensing

Usage: Warehouse, workshop, showroom, etc.

Location: Country where building will be constructed

Local Climate: Wind speed and snow load requirements

Design: Existing drawings or need for design services

Dimension: Length x width x height

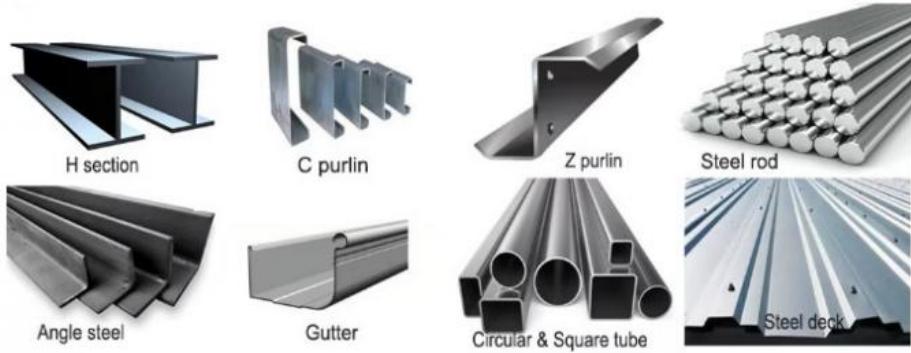
Crane Beam: Requirement for internal crane beams

Roof and Wall: Panel material specifications

Windows and Doors: Material, quantity, and type requirements

## Components Breakdown

### Main frame(column& beam)



### Auxiliary system (wall& roof material)



Component	Specifications
<b>Main Framing</b>	Welded/Hot rolling H section column and beam
Column	Q235, Q355B, S355JR, S275, SS304, SS316 H section steel with spray painting and galvanizing
Beam	Q235, Q355B, S355JR, S275, SS304, SS316 H section steel with spray painting and galvanizing
<b>Secondary Framing</b>	
Purlin	Q235B Z and C sections purlin
Knee brace	Q235B angle steel, galvanized
Tie bar	Q235B round steel, painted
Bracing	Q235B round steel, galvanized
<b>Roof and Wall panels</b>	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
<b>Steel Decking Floor</b>	V-688 Decking floor
<b>Structural subsystem</b>	Canopies, Fascias, Partitions, etc.
<b>Mezzanines, Platforms</b>	H beam
<b>Other Building Accessories</b>	Sliding Doors, Roll Up Doors, Windows, Louvers, etc.

I-Beams (H-Beams) feature I or H cross-sections with horizontal flanges and vertical webs. Made from structural steel or aluminum, they are widely used in construction for both beams and columns, available in various sizes and specifications.

### Project Cases





## Advantages of Steel Structure Buildings

**High-Strength Steel Frame:** International standard steel grades (ASTM A36, Q355B, S235JR) support spans of 10m to 50m without intermediate columns

**Weather & Disaster Resistance:** Anti-seismic (up to intensity 8), anti-wind (up to 250km/h), and anti-corrosion capabilities with Sa2.5-level sandblasting and hot-dip galvanizing

**Fire Safety Compliance:** Optional fire-resistant coatings (up to 2-hour rating) and fireproof insulation materials meeting local fire codes

**Size & Layout Flexibility:** Customizable dimensions (eave height 3m-15m) for workshops (100+) to large warehouses (10,000+)

**Functional Adaptation:** Tailored for manufacturing plants, logistics warehouses, agricultural facilities, and commercial halls

**Climate Adaptation:** Insulated sandwich panels for thermal insulation and optimized roof slopes for drainage

**Lower Total Cost:** Competitive pricing with transparent cost breakdowns and reduced transportation costs

**Rapid Installation:** 30%-50% faster construction than concrete buildings with standardized components

**Low Maintenance:** Durable components with long service life (20-50 years) and replaceable parts

**Certifications:** ISO 9001, CE, AISC, JIS, and GB standards compliance

**Compliance with Local Codes:** Engineering designs meet local building codes with complete technical documentation

### Strict Quality Inspection Standards



We implement whole-process quality management with strict supervision from raw materials to installation. Our professional quality inspection team uses advanced equipment including German GS1000 vacuum spectrometer and high-frequency infrared carbon sulfur analyzer.

### Certifications





# C E R T I F I C A T E

## 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, Yongqin 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 : 28.06.2024

The currency of this certificate can be checked through [udemiftd.com](http://udemiftd.com). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the condition of CE Declaration of Conformity and the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. 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@udemiftd.com.tr](mailto:info@udemiftd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

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





Certificate No: 016774EB0027RM



## 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  
PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION  
SANDWICH PANEL)

BCC Inc.

President:



Unified social credit code 91130221521879952U  
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.

CERTIFICATE



中国认可  
中国合格评定  
委员会  
管理体系  
CNAS-C016-H



BCC Address: Room 45101-01, Floor 1, No.47 Qiaoguanmen Inner, Dongcheng District, Beijing, China. This certificate is valid within China - specified validation of administration and qualification licensing. The effectiveness of this certificate shall be determined by regular surveillance audit, the validity of the certificate can be verified through [www.bcc.com.cn](http://www.bcc.com.cn) or by QR code. The information of this certificate available for inquiry on CNAS's website: [www.cnas.gov.cn](http://www.cnas.gov.cn).



Certificate No: 0167D453050ERJW



## 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  
PROFILED STEEL PLATE AND CONSTRUCTION METAL SURFACE INSULATION  
SANDWICH PANEL)

BCC Inc.

President:



Unified social credit code 91130221521879952U  
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OPERATION ADDRESS NO.24, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

CERTIFICATE



中国认可  
中国合格评定  
委员会  
管理体系  
CNAS-C016-H



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Certificate No: 0167J4Q107312M

**BCC**

## 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 91130221117709512U  
REGISTERED ADDRESS NO.24, BAIHE AVE, INDUSTRIAL PARK, YUNQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.  
OPERATION ADDRESS NO.16, BAIHE AVE, INDUSTRIAL PARK, YUNQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.



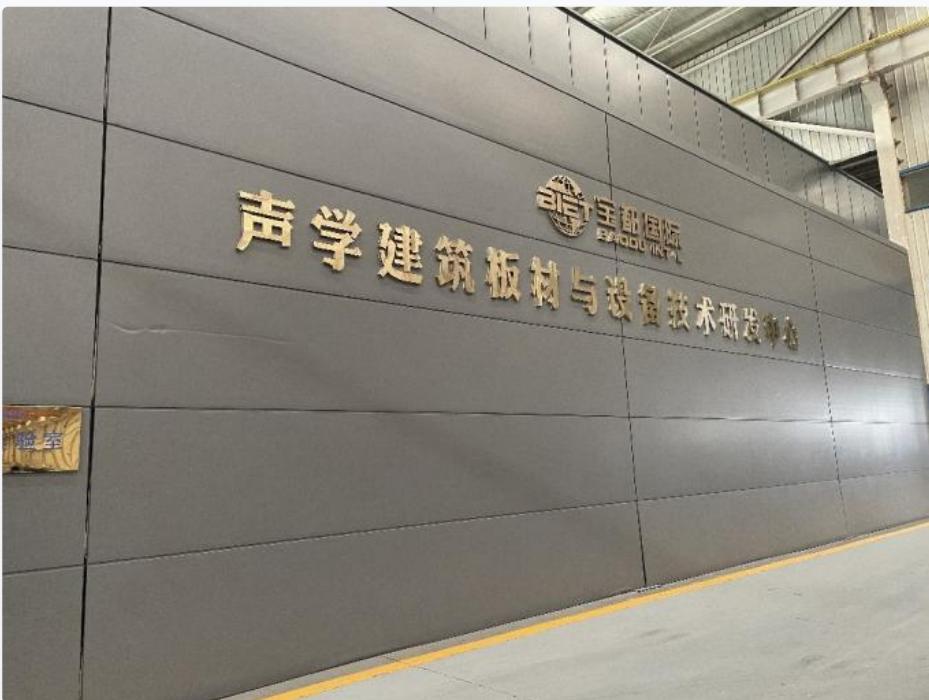
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CNAS C016-H



BCC Address: Room 401-02-02, Floor 1, No.41 Guiguanmennei Street, Dongcheng District, Beijing, China. This certificate is valid within one year - qualified validation of documents and guidelines  
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certificate can be verified through [www.cnas.org.cn](http://www.cnas.org.cn) or by QR code. The information of the  
certificate available for inquiry on CNAS's website: [www.cnas.org.cn](http://www.cnas.org.cn)

## Company Profile







Baodu International Advanced Construction Material Co., Ltd was established in January 2010 with offices in Beijing and factory in Hebei, China. We specialize in industrial noise treatment, 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 serve over 30 countries worldwide.

Our professional design team includes 5 senior engineers, 20 engineers, and 35 technicians with over 10 years' experience. We hold multiple energy saving patents, construction qualifications, CE certification and Russian GOST certification.

Notable projects include the military parade village for China's 60th anniversary and Beijing Daxing International Airport. We've also undertaken international projects in Pakistan and Dubai under China's "One Belt, One Road" initiative.

### Packing and Shipping





#### **Steel Structure Handling Guidelines:**

- Lifting operations require qualified personnel using proper fixtures to prevent damage
- Special supervision during loading to ensure secure stacking and binding
- Stable transportation with trained drivers and proper vehicle marking
- No rough handling; personnel must be familiar with component weights and sizes
- Timely unloading and proper stacking at construction site
- Crawler crane operations require attention to terrain and air conditions

#### **Frequently Asked Questions**

##### **Q1: How long does it take to get my building?**

A: Lead time varies, but typically 2 weeks for drawings and 6-8 weeks for delivery (depending on complexity)

##### **Q2: What are the benefits of steel construction?**

A:

- Durable with long lifespan
- Shorter construction period than concrete and wooden buildings
- Low cost and reusable
- High strength and light weight with good seismic performance
- Widely used for multi-purpose buildings

##### **Q3: Why choose Baodu?**

A: At Baodu, the customer is our first priority. We are veteran owned and operated with over 20 years of metal building experience. We provide unmatched customer service and can answer questions regarding any type of construction project.

##### **Q4: How can I get the quotation for the project?**

A: If you have drawings, we can provide a quotation accordingly. If you need design services, our engineers will design for your confirmation before providing a quotation.

**Q5: Do you offer designing service for us?**

A: Yes, we provide full solution drawings using AutoCAD, PKPM, MTS, 3D3S, Tarch, Tekla Structures and other software. We design complex industrial buildings including offices, supermarkets, auto dealer shops, shopping malls, and hotels.

**Q6: Do you provide samples?**

A: Yes, we offer samples free of charge but transportation costs are the responsibility of the buyer.

**Q7: What is your terms of payment?**

A: L/C, T/T, and Western Union.

**Q8: How about your quality control?**

A: We have a professional quality control team with rich experience and advanced inspection equipment. We also accept third-party inspection.

**Q9: Can you provide installation help?**

A: We provide detailed instruction photos and videos. When necessary, we send professional engineers for construction guidance and skilled workers for installation assistance. Visa fees, air tickets, accommodation, and wages are provided by buyers.



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