Low Rise Steel Structure Industrial Building Prefabricated Metal Workshop for Maintenance Workshop and Goods Storage Shed

Our Product Introduction

Basic Information

- Place of Origin: Hebei,China
- Brand Name: BAODU
- Certification: ISO9001,CE
- Model Number: Steel Warehouse
- Minimum Order Quantity: 600square meters
- Price: $25-50square 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: Low Rise Steel Structure Industrial Building Prefabricated Metal Workshop For Maintenance Workshop And Goods Storage Shed
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Design: SAP2000/AutoCAD /PKPM /3D3S/TEKLA
- Corrosion Protection: Hot-Dip Galvanizing
- Product Type: Steel Warehouse
- Surface Treatment: Painting Or Galvanized
- Size: According To Customer Requirement
- Window: Plastic Steel Or Aluminum Alloy Window
- Door: Rolled Up Door Or Sliding Door
- Maximum Wind Resistance (mph): 81-120mph(130.36-193.12km/h)
- Design Style: Modern
- Purlin: C,Z Shape Steel Channel

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Our Product Introduction

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Product Description

Versatile Low-Rise Prefabricated Steel Structure Building

This low-rise prefabricated steel structure building is a practical, economical metal building solution specially designed for **equipment maintenance workshops and general goods storage sheds**. It adopts a compact portal frame and modular steel frame design with limited eave height, matching the typical height requirements of vehicle repair, machine maintenance, spare parts storage and material stacking.

Main steel members are Q235B / Q355B H-beams with C & Z galvanized purlins. All components are pre-cut, pre-drilled and surface treated in the factory, then assembled on site with high-strength bolts. Compared with tall large-span industrial plants, this low-rise series offers simpler foundation requirements, lower steel consumption and a shorter construction cycle. It can be built as a standalone auxiliary building or attached beside your existing factory, yard or station. We customize layout, door openings, ventilation and cladding according to your maintenance workflow and storage categories. It is widely favored for small maintenance bays, equipment overhaul sheds, spare parts warehouses and temporary material storage.

Core Product Features

Low-Rise Compact Design, Matched for Maintenance Workflow: Controlled eave height suitable for truck repair, machinery overhaul, small equipment maintenance and spare parts sorting. We reserve space for maintenance pits, tool cabinets, lifting jacks, small hoists and parts storage racks. No redundant high space, effectively saving material and construction cost.

Simple Foundation Requirement: Light overall weight, suitable for common concrete slab or independent foundations. No complicated deep foundation work. Perfect for yards, open industrial zones and side land beside existing factories where foundation conditions are ordinary.

Flexible Enclosure Options for Maintenance & Storage: Single corrugated metal sheet for dry goods storage sheds; EPS / rock wool / PU sandwich panels for maintenance workshops with staff working inside, providing heat insulation, dustproofing and noise reduction. Supports large rolling doors, service doors, side windows, roof ventilators, rain gutters and drainage systems.

Full Prefabricated Bolt Assembly: All steel parts are coded and marked. No heavy on-site welding required. Local workers can erect it following drawings and the installation manual. Fast erection helps you put the maintenance bay or storage shed into use quickly.

Custom Functional Layout: We can separate maintenance zone, cleaning zone, spare parts storage zone and tool room inside one building. Adjust span, length, door position and window layout freely. Reserved openings for exhaust fans, oil discharge pipelines and lighting systems for repair workshops.

Reliable Anti-Corrosion & Weather Resistance: Surface treatment options include anti-rust paint systems or hot-dip galvanizing. Galvanized purlins are standard. It resists dust, rain and general industrial oil mist, suitable for open-air yard maintenance sheds and outdoor storage buildings.

Competitive Advantages

Cost-Effective Auxiliary Industrial Building: Low-rise design cuts steel and foundation investment. It is the budget-friendly option when you only need a maintenance workshop or storage shed instead of a large high factory building.

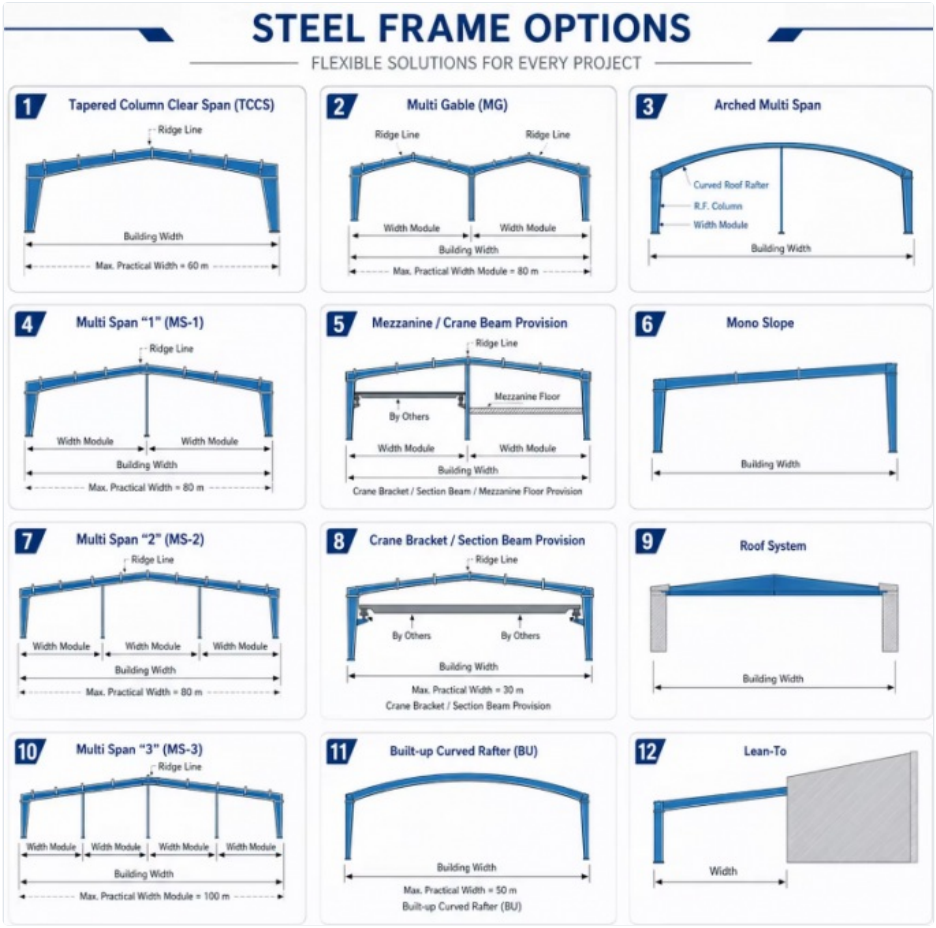
Short Construction Period: Fewer components and simpler erection work. It can be finished within a short time to solve your urgent demand for equipment repair space or material storage area.

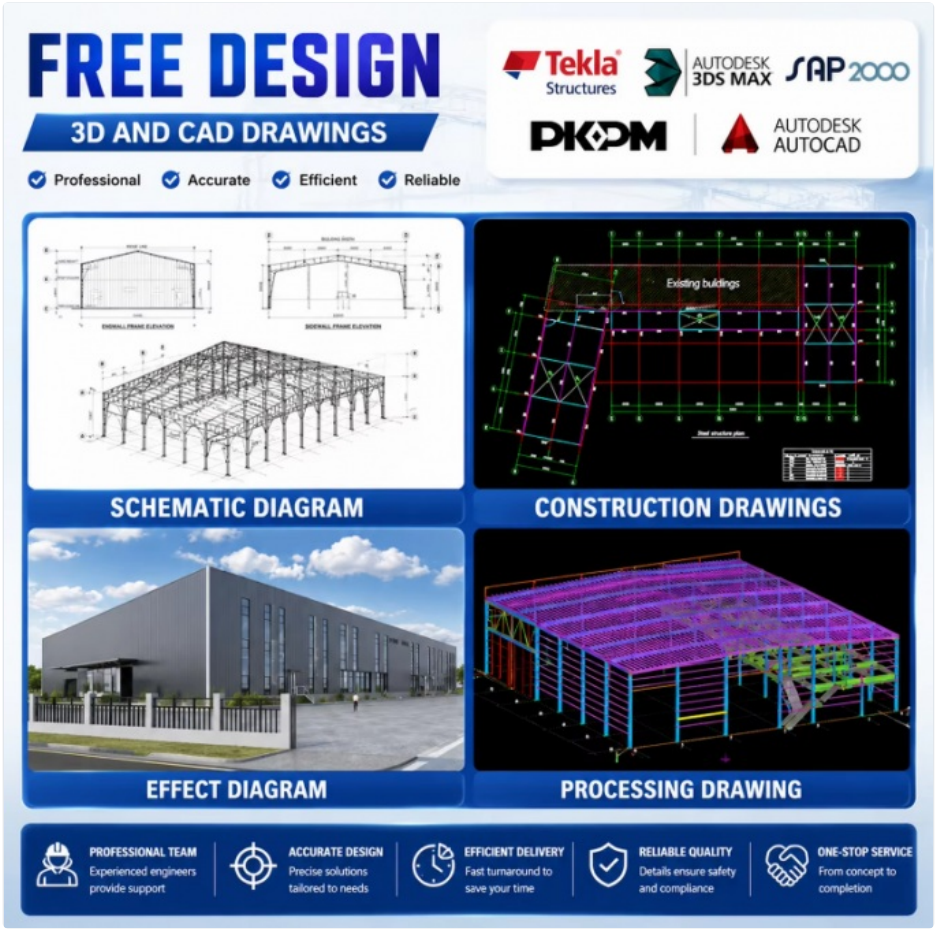
Highly Versatile Auxiliary Space: One building can combine maintenance work, spare parts storage and finished goods stacking. Ideal for factory auxiliary supporting, fleet repair stations and machinery service yards.

Easy to Expand or Relocate: Modular bay design supports longitudinal extension if you add more maintenance bays later. The bolt-connected structure can be disassembled, transported and rebuilt on a new yard.

Low Daily Maintenance: Steel frame with qualified anti-corrosion treatment only needs routine inspection of drainage and fasteners. Steel material is recyclable and eco-friendly.

Technical Parameters





Design Requirements

Please provide your project requirements:

Project site location

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

Mezzanine requirements and load capacity per square meter

Wall panel type preference

Snow load if applicable

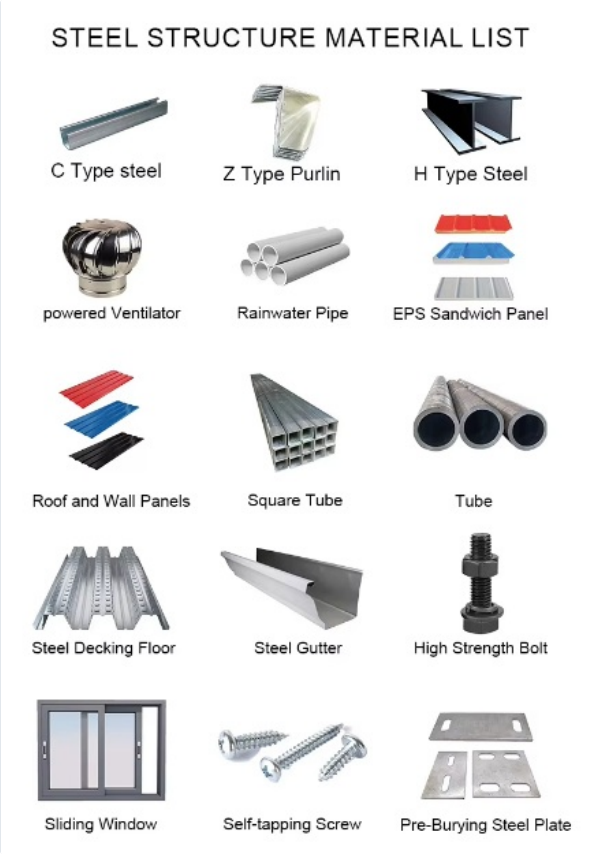
Wind speed / load

Interior column allowance

Overhead crane requirements and capacity

Any other particular requirements

Key Components & Features



Cost saving and convenient transportation, with customer design available

Main beams and columns made from qualified steel

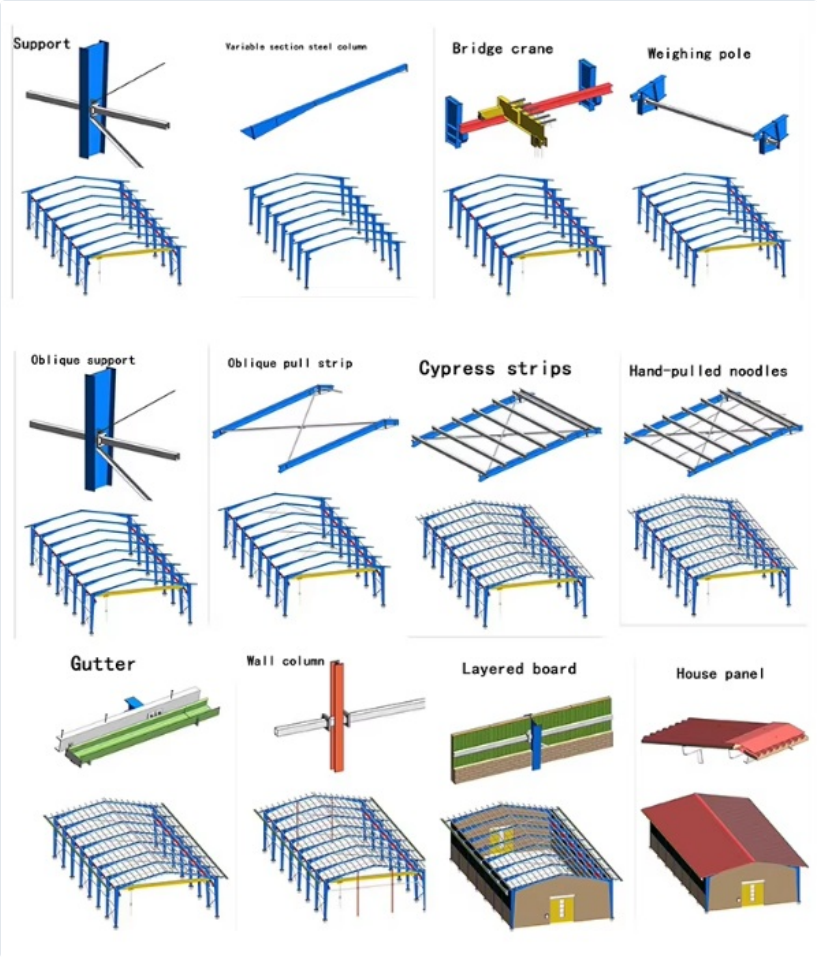
Resists heavy wind of 140 km/h and 8-grade earthquake

Good ability to assemble and disassemble multiple times without damage

Widely used in construction sites, office buildings, dormitories and more

Environmental protection with recyclable materials

Steel Building Process



Connection Method & Construction Advantages

Connection Method

Columns are connected to the foundation by pre-embedded anchor bolts. Beams and columns, as well as beams and beams, are connected with high-intensity bolts.

Construction Advantages

- Custom design according to different purposes and environmental conditions
- Long life span exceeding 50 years
- Quick and easy installation with economic benefits
- Relocatable and recyclable
- Strong seismic and wind resistance

Project Cases















Industry-Specific Solutions

Logistics & Distribution: High-bay storage systems with narrow aisle compatibility

Advanced Manufacturing: Vibration-dampened floors for precision equipment

Food & Pharmaceutical: Hygienic designs with smooth, cleanable surfaces

Energy Sector: Explosion-resistant designs for hazardous environments

Strict Quality Inspection Standards





Excellent product quality is our eternal pursuit, and it is also the fundamental reason for us to base ourselves on the global market. BAODU GROUP implements whole-process quality management and strictly supervises every process, including 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 the 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.32623.04ГСС0 в едином реестре зарегистрированных систем добровольной сертификации

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС RU.32623.ОС13ПБ.10362

(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: perspektiva2409@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, выдавшего сертификат соответствия)

№ РОСС RU.32623.ОС13ПБ Общество с ограниченной ответственностью «Эксперт», 129090, г Москва, вн.тер.г. муниципальный округ Мещанский, ул. Щепкина, дом 28, помещ 2/5

Код ОКПД 2 25.11.23.119

Код ТН ВЭД 7308905100

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 стандартов, правил, условий договоров, на соответствие которого (которых) проводилась сертификация)

ГОСТ 302444-94 «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

Проверка подлинности сертификата соответствия

ПРЕДСТАВЛЕННЫЕ ДОКУМЕНТЫ (документы представленные заявителем в орган по сертификации в качестве доказательства соответствия 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

Рустест Рустест Рустест

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**

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

The currency of the certificate can be checked through www.udemltd.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 beretumed 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@udemltd.com.tr www.udem.com.tr

CERTIFICATE

Certificate No: 016TJ24E30527R2M

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:

新世纪检验认证有限责任公司
1101020379202

Unified social credit code:91151023551875985U

REGISTERED ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C016-M

BCC Address:Room 45-(10)-10, Floor 5, No.45 Guanggumenwai Street, Dongcheng District, Beijing, CHINA. This certificate is valid within state - specified validities 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 CNCA's website: www.cnca.gov.cn.

CERTIFICATE

Certificate No: 016TJ24S30508R2M

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:

新世纪检验认证有限责任公司
1101020379202

Unified social credit code:91151023551875985U

REGISTERED ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C016-M

BCC Address:Room 41-(10)-02, Floor 5, No.41 Guangqumennei Street, Dongcheng District, Beijing, CHINA. This certificate is valid within state - specified validities 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 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:

CERTIFICATE

Unified social credit code:91131023331873985U

REGISTERED ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

OPERATION ADDRESS:NO.26, BAIHE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

MANAGEMENT SYSTEM
CNAS C016-M

BCC Address:Room 41-(10)-02, Floor 2, No.47 Guanganmennei Street, Dongcheng District, Beijing, CHINA. This certificate is valid within scope / specified validities 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-cnm.cn or by QR code.The information of this certificate available for inquiry on CNCA's website: www.cnca.gov.cn.

Company Profile

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

Baodu has an annual output of 6 million square meters of acoustic sandwich panels, 100,000 tons of steel structures and 1 million square meters of floor decking sheet. The products are sold in more than 30 countries and regions around the world.

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 and the Hasyan Dubai power plant project. Finally, welcome to visit Baodu for cooperation!

Packing and Shipping

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Standard Seaworthy Export Packaging

Main steel frame beams and columns are bundled with high-strength steel belts and wrapped with thick waterproof and dust-proof woven cloth to prevent deformation and coating damage during long-distance transportation. Roof panels, wall panels and purlins are protected with anti-scratch foam layers. Small bolts, nuts and connecting accessories are classified, labeled and packed in moisture-proof wooden boxes and cartons. All components are marked with unified assembly codes for quick on-site sorting and installation.

Optimized Container Shipment

All prefabricated steel components are fully disassembled and flat-packed, adapting to 20GP / 40GP / 40HQ standard container loading. Scientific component layout maximizes container space utilization and effectively reduces ocean freight costs. We support FCL full container load and LCL less than container load services, covering Southeast Asia, Africa, the Middle East, Europe, South America and other global markets with stable logistics cycles.

Complete Export & Technical Documents

We provide a full set of customs clearance documents including commercial invoice, packing list, bill of lading and steel material test reports.

Complete English installation manuals, structural design drawings and assembly guidelines are delivered together to support smooth overseas construction and project acceptance.

Project Delivery & Installation Process

1. **Demand Confirmation & Custom Design** — Confirm usage scenario (workshop / warehouse / industrial / commercial), building size, load standard and local climatic conditions, and tailor an exclusive steel structure scheme.
2. **Factory Precision Prefabrication & QC Inspection** — Complete steel component processing, anti-corrosion treatment and strict quality inspection to meet international building standards.
3. **Professional Seaworthy Packaging** — Classify and package all components to avoid collision, moisture and deformation during long-distance ocean transportation.
4. **Global Shipment & Document Handover** — Arrange on-time shipment, provide real-time logistics tracking and hand over a full set of technical and customs clearance documents.
5. **Remote Full-Process Technical Guidance** — Provide detailed English installation guidance and after-sales support to ensure standardized on-site assembly.

Frequently Asked Questions

Q1: What is the maximum eave height for this low-rise steel building?

A1: Normally customized from 3 m to 8 m, which meets most vehicle and machinery maintenance needs. If you need higher space for large equipment, we will recommend a standard portal frame workshop.

Q2: Can I install small lifting jacks or light hoists inside the maintenance workshop?

A2: Yes. We can design supporting structures for light hoists and lifting equipment after load calculation. Heavy overhead cranes are not recommended for this low-rise series.

Q3: Can this shed be used for vehicle repair with oil cleaning work?

A3: Yes. We can reserve oil drainage openings, exhaust fan positions and non-slip floor suggestions. Rock wool panels are optional for fireproof requirements.

Q4: What is the difference between a low-rise steel building and a regular portal frame workshop?

A4: This low-rise model focuses on auxiliary maintenance and storage, with lower eave height, simpler structure and lower cost. A regular portal frame is designed for high production lines and large-span manufacturing.

Q5: Can I attach this maintenance shed to my existing factory building?

A5: Yes. We can design a connecting structure, shared gutter and matched elevation to connect it seamlessly with your original plant.

Q6: Is it suitable for coastal humid areas?

A6: Hot-dip galvanizing treatment is recommended for coastal zones to achieve better anti-rust performance against salt spray.

Q7: Do you provide on-site installation service?

A7: We supply full drawings, installation manuals and online technical guidance. An overseas installation team can be arranged upon special request.

宝都国际 BAODU INT'L **Baodu International Advanced Construction Material Co., Ltd.**

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