

H-beam Metal Industrial Structure Heavy Load Storage Workshop Diagonal Bracing Parts Custom Eave Height On-site Erection Documentation

Our Product Introduction

Basic Information

- Place of Origin: Hebei, China
- Brand Name: Baodu
- Certification: CE
- Model Number: Modular Steel Structures
- Minimum Order Quantity: 1000 Square Meters
- Price: USD19-45
- 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: H-beam Metal Industrial Structure Heavy Load Storage Workshop Diagonal Bracing Parts Custom Eave Height On-site Erection Documentation
- Color: Customized Color
- Flexibility: Customizable
- Design Type: Modular And Prefabricated
- Purlins: C/Z Section Steel
- Fireresistance: Complies With International Fire Safety Standards
- Roofs And Walls: Single Sheet / Sandwich Panel
- Scale: Based On Client Needs
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Application: Garage And Shed, Storage And Closet, Hall, Workshop, Warehouse, Apartment, Prefab House



Product Description

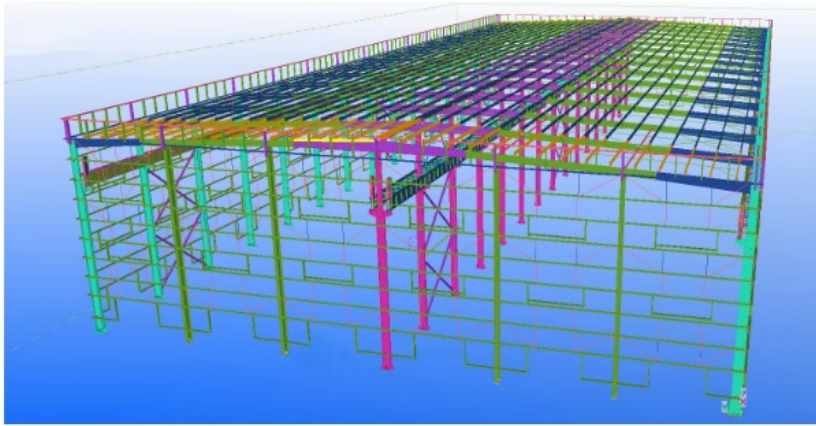
This H-beam metal industrial structure is a heavy-duty pre-engineered steel building specially designed for heavy load storage workshop scenarios. Built with solid hot-rolled H-beam main frames and reinforced diagonal bracing parts, this industrial storage building delivers outstanding vertical load-bearing capacity and lateral structural stability. It supports fully custom eave height to adapt to high-bay stacking, mechanical handling and vertical storage demands, and comes with complete standardized on-site erection documentation to guide fast, accurate field assembly.

Different from ordinary light steel warehouses, this H-beam rigid structure is engineered for long-term heavy material stacking, forklift high-frequency operation and overhead equipment load. The matched diagonal bracing system forms a stable three-dimensional force-bearing framework, effectively resisting wind pressure, seismic force and operational vibration. Customizable eave height maximizes vertical storage space, while complete erection documentation eliminates overseas construction barriers. It is a reliable, high-safety and fully customizable industrial storage solution for factories, mining yards, logistics hubs and heavy industrial parks worldwide.

Key Features

- Professional Heavy Industry Adaptive Structure: Optimized for dynamic industrial loads with local reinforcement at structural stress points
- Full Customizable Industrial Modular System: Free combination of modular units with local structural reinforcement and span adjustment
- Dual-Purpose Structural Design: Accommodates both heavy workshop production and large-area warehouse storage functions
- Strong Industrial Environmental Resistance: Heavy-duty anti-corrosion, oil-proof and wear-resistant treatment for harsh factory environments
- Expandable & Upgradable Modular Structure: Reserved expansion interface supports later factory reconstruction and capacity expansion
- Compliant with Heavy Industry Construction Standards: Meets international heavy industrial building codes with standardized safety settings

Technical Parameters



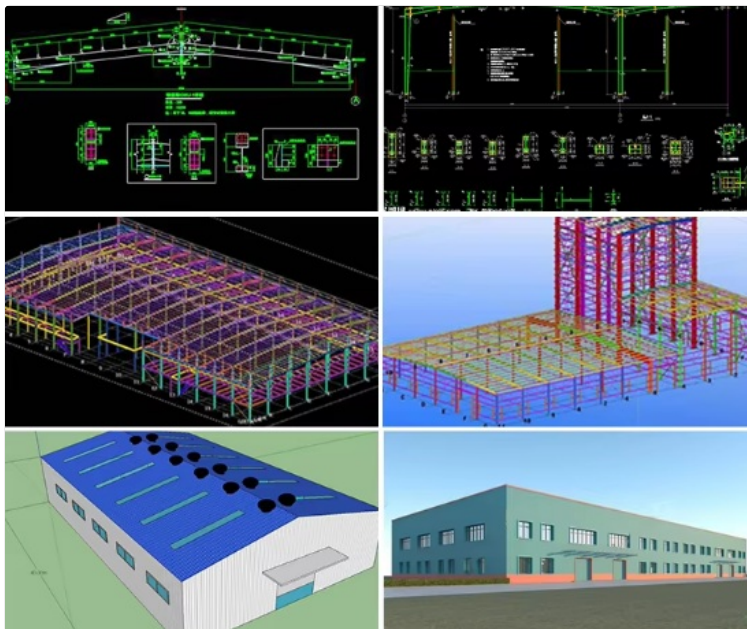
Tekla
Structures



3DS MAX® **3D3S**

SAP2000®

A AUTODESK®
AUTOCAD®



Applications

- Heavy Machinery Manufacturing Workshop: Machinery assembly, heavy equipment processing, mold manufacturing, hydraulic equipment production
- Metallurgy & Building Material Industrial Plant: Steel processing, stone processing, concrete product processing, thermal processing plants
- Mining & Resource Auxiliary Factory: Mine mechanical maintenance, mineral preliminary processing, mining equipment storage
- Large Heavy-Duty Industrial Warehouse: Mechanical equipment storage, heavy metal material warehouses, bulk industrial raw material storage
- Comprehensive Heavy Industrial Park Buildings: Customized standard heavy industrial plants for industrial zones and multi-functional facilities

Customization Options



Company Certifications







CERTIFICATE

Certificate No. 01672430027B2M

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 911101020379702

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



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MANAGEMENT SYSTEM
CNAS C016-M



BCC Address Room 41-01-01, Floor 1, 10-41 Shuanggenmen Street, Dongcheng District, Beijing, CHINA. The certificate is valid within the specified validity of subcommittee and qualification. Issuance: The effectiveness of this certificate shall be maintained by regular surveillance audits. The validity of the certificate can be required through www.bcc.com.cn or by QR code. The information of this certificate available for inquiry on CCA's website: www.cca.com.cn.



CERTIFICATE

Certificate No. 01672430000B2M

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 911101020379702

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



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Certificate No. 014724Q30718234



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 9111010203797020

REGISTERED ADDRESS NO. 14, BAIDE AVE, INDUSTRIAL PARK, YONGQING COUNTY, LANGFANG, HEBEI PROVINCE, P.R.C.

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CERTIFICATE



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.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
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Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76
E-mail: info@udemtd.com.tr www.udem.com.tr

RUSSIAN FEDERATION 02353

**СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ
ПОЖАРНОЙ БЕЗОПАСНОСТИ**
№ РОСС RU.32623.OC13ПБ.10362

СЕРТИФИКАТ СООТВЕТСТВИЯ
№ РОСС RU.32623.OC13ПБ.10362

ЗАЯВИТЕЛЬ
(индивидуальное или юридическое лицо)
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
(индивидуальное или юридическое лицо)
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
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№ 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

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Серийный выпуск.

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ГОСТ 30244-94 «Материалы строительные. Методы испытаний на горючесть», раздел 6, метод 1. Материал относится к негорючим материалам (НГ). ГОСТ 32603-2021

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СРОК ДЕЙСТВИЯ СЕРТИФИКАТА СООТВЕТСТВИЯ
с 23.05.2025 по 22.05.2028

Руководитель органа
О.В. Ребрин
инженер, физика

Эксперт
Т.А. Сибирякова
инженер, физика

Сертификат не применяется при обязательной сертификации

Verified

Gold Plus Supplier Assessment Certificate

Certification No.: 21019358_P+T

Baodu International Advanced Construction Material Co., Ltd.

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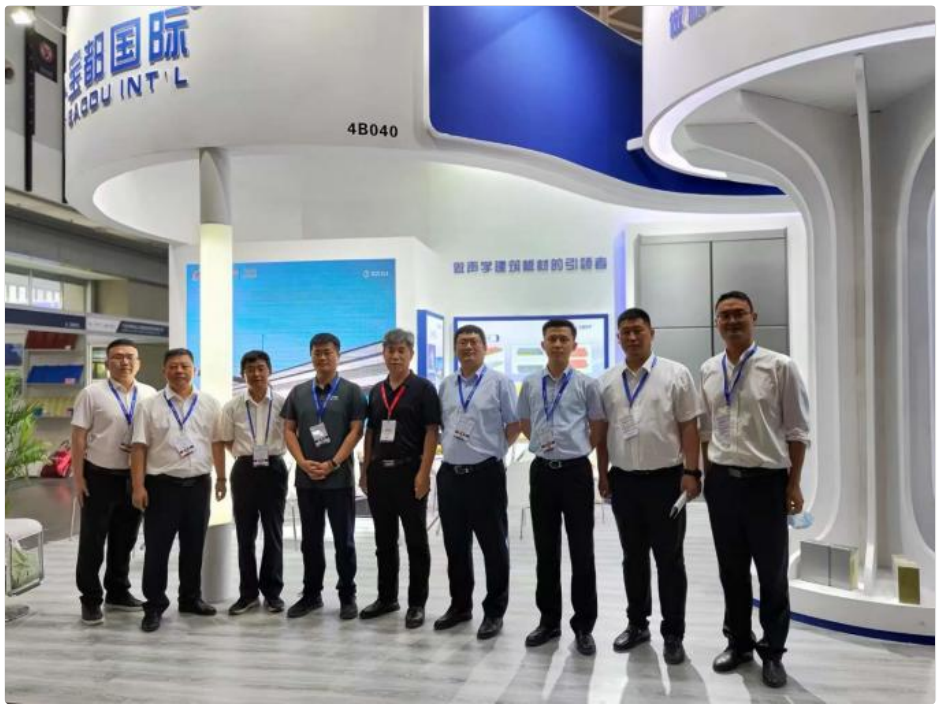
Onsite assessment was conducted by SGS

Valid: 29 Oct., 2020 to 28 Oct., 2021

Issued by: **Alibaba.com** Assessed by: **SGS**

Signature: _____

Title: Director of SGS eCommerce, Government & Institution Services, SGS CHN





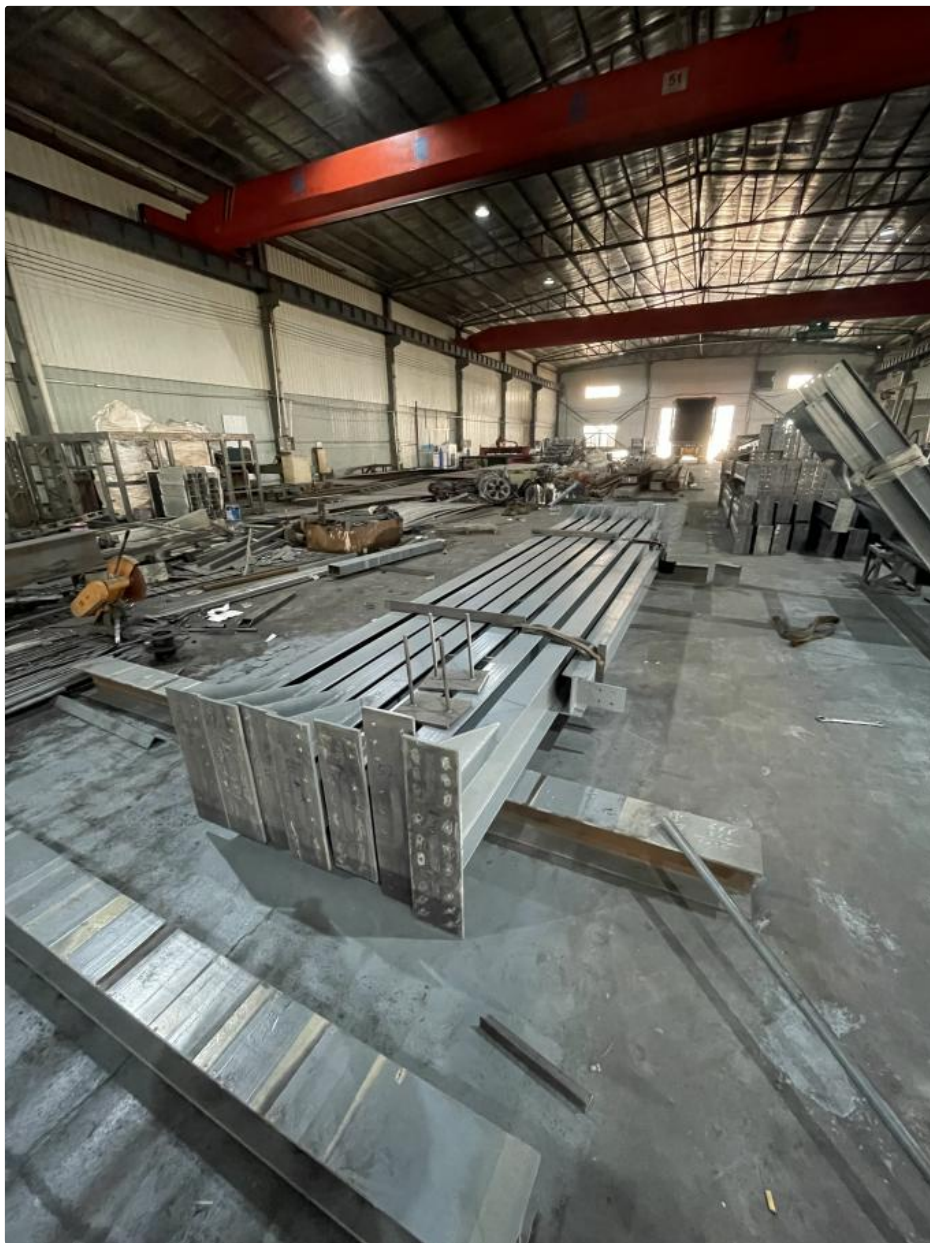




BAODU® Song Chunlei Overseas Manager Baodu International Engineering Technology Co., Ltd Add : Floor 11, Jiaoyue Square, Xihongmen, Daxing District, Beijing, China 100162 Tel : +86-10-60256462 Fax : +86-10-61225599 Mobile : +86-13717927965 Email : chunlei.song@baodu.com Website : www.baodu.com	Business Scope: <table border="0"> <tr> <td>Prefab House</td> <td>Sandwich Panel</td> </tr> <tr> <td>Container House</td> <td>Steel Structure</td> </tr> </table>    	Prefab House	Sandwich Panel	Container House	Steel Structure
Prefab House	Sandwich Panel				
Container House	Steel Structure				

- Professional Heavy Industry Scheme Design: Senior structural engineers provide targeted modular combination schemes and structural stress calculations
- Strict Heavy-Duty Quality Control: Comprehensive testing including tensile testing, impact resistance testing and non-destructive welding inspection
- Full Engineering Document Support: Complete CAD construction drawings, modular assembly drawings, and structural calculation documents
- Professional On-Site Engineering Guidance: Whole-process engineer supervision and assembly guidance for large industrial plant projects
- Long-Term Industrial After-Sales Service: Regular structural safety inspection and modular expansion technical support

Packing and Shipping











- Heavy-Duty Seaworthy Packaging: H-beam frames bundled with thick steel belts and wrapped with waterproof woven cloth
- Optimized Container Shipment: Scientific component sorting for 20GP/40GP/40HQ container loading with global shipping coverage
- Complete Document Delivery: Full set of export customs clearance documents and professional erection documentation packages

Frequently Asked Questions

Why choose H-beam structure for heavy load storage workshop?

H-beam features symmetrical cross-section, uniform stress distribution and excellent bending resistance. It bears heavier static and dynamic loads than ordinary steel beams, with stronger overall structural rigidity and no deformation under long-term heavy stacking.

What is the function of diagonal bracing parts?

Diagonal bracing parts are core stabilizing components that resist lateral wind, seismic force and operational vibration, fix frame geometry, prevent sway and displacement, and improve safety and stability.

Can eave height be fully customized according to my needs?

Yes. We provide 100% personalized custom eave height service adjusted according to stacking height, rack specification, crane clearance and regional climate requirements.

What is included in your on-site erection documentation?

Complete documentation includes structural assembly drawings, installation guidelines, bracing layout diagrams, eave height calibration standards, bolt locking specifications and detailed erection manuals.

Is the H-beam workshop suitable for long-term heavy cargo storage?

Absolutely. The high-strength H-beam rigid frame and reinforced bracing system have super load-bearing and anti-fatigue performance for years of continuous heavy stacking.

Is on-site erection difficult for local construction teams?

No. All components are pre-processed with precise sizes. With complete erection documentation and remote technical guidance, ordinary local workers can finish standard bolt assembly efficiently.

What is the service life of this heavy-load H-beam industrial structure?

With industrial anti-corrosion painting or hot-dip galvanizing treatment, the structure has strong anti-aging and anti-corrosion performance, with a service life of 40-50 years.



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