

Truss-type Steel Hangar Building Aircraft Storage Premise Roof Purlin System Large Custom Door Opening Pre-fabricated Steel Members

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: Customized Prefabricated Truss-type Steel Hangar Building Aircraft Storage Premise Roof Purlin System Large Custom Door Opening Pre-fabricated Steel Membersated Home Kits Modern Design Steel Warehouse Fast Build Prefabricated Steel Structure Building Solution
- Design Type: Modular And Prefabricated
- Purlins: C/Z Section Steel
- Fireresistance: Complies With International Fire Safety Standards
- Type: Light Steel Structure
- Roofs And Walls: Single Sheet / Sandwich Panel
- Main Frame: Solid H-shape Steel Beam
- Processing Service: Bending, Welding, Decoiling, Cutting, Punching
- Application: Workshop Warehouse Farm
- Project Solution: Graphic Design, 3D Model Design



Product Description

Professional Aircraft Hangar Building



This truss-type steel hangar building is a professional large-span prefabricated steel structure engineered for safe, high-capacity aircraft storage. Featuring a lightweight yet ultra-rigid truss framework, optimized industrial roof purlin system, and support for large custom door openings, this aviation-grade hangar meets core demands for aircraft parking, maintenance, sheltering, and long-term storage. The fully prefabricated steel members are factory-processed, disassembled for container shipment, and quickly assembled on-site without complex welding.

Key Advantages

Ultra-Large Clear Span: Column-free indoor space designed specifically for aircraft storage, supporting multiple aircraft and maintenance operations

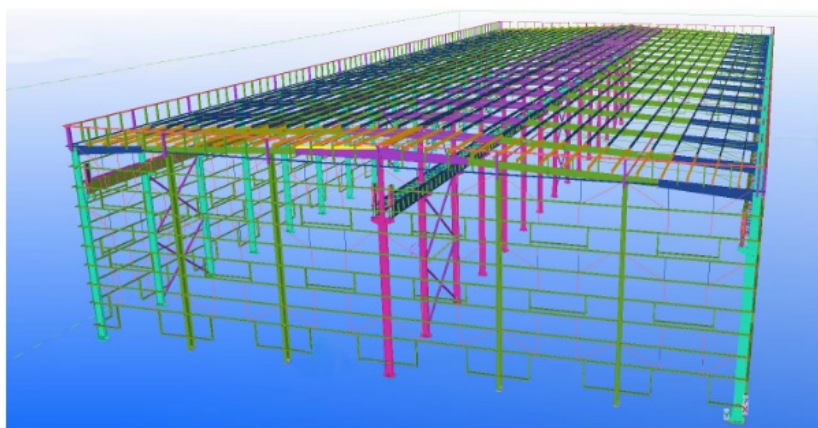
Stable Purlin Roof System: Enhanced rigidity and load-bearing capacity with superior resistance to extreme weather conditions

Custom Large Door Opening: Personalized oversized doors matching aircraft parameters for efficient entry and exit operations

Full Prefabricated Members: Factory prefabrication reduces construction time by 70% and lowers transportation and labor costs

Aviation-Grade Protection: Fully sealed environment prevents paint aging, metal corrosion, and component damage

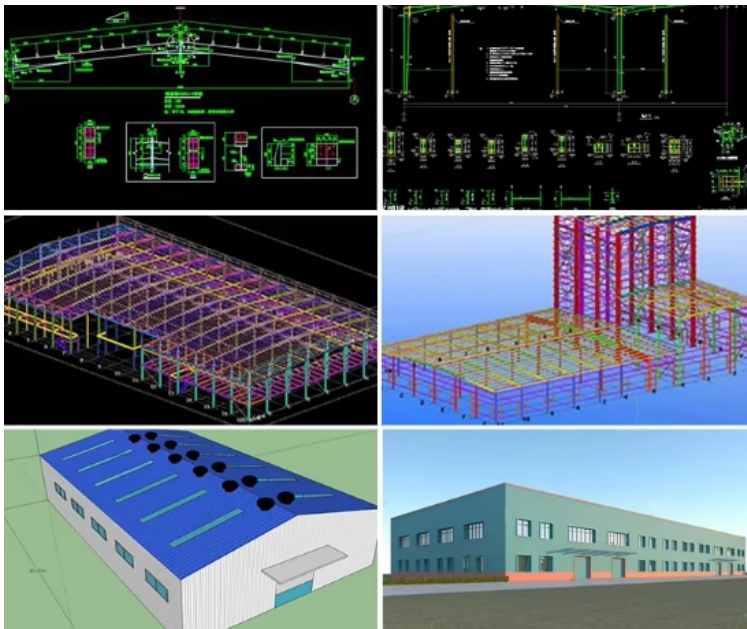
Technical Specifications



3DS MAX® 3D3S

SAP2000®

AUTODESK®
AUTOCAD®



Applications

This customized prefabricated steel structure building features versatile performance and flexible customization, perfectly adapted to various scenarios:

Aircraft Storage & Maintenance: Helicopters, private jets, small aircraft, and aviation equipment

Industrial Facilities: Warehouses, storage depots, processing workshops, and assembly areas

Commercial Spaces: Offices, service rooms, exhibition areas, and commercial buildings

Logistics & Emergency: Distribution centers, emergency reserve warehouses, and temporary facilities

Auxiliary Buildings: Farm storage, garage parking, equipment protection rooms

Customization Options

Size Customization: Adjustable length, width, height, and span with flexible layout options

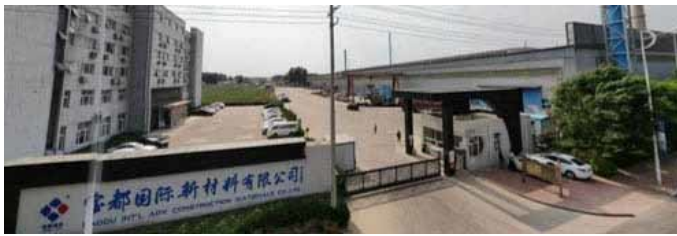
Function Customization: Custom residential partitions or industrial systems including crane beams and ventilation

Appearance Customization: Multiple wall colors, roof styles, and exterior decoration schemes

Functional Upgrades: Fireproofing, temperature control, lightning protection, and enhanced waterproofing

Quality Certifications







CERTIFICATE

Certificate No.: 016724E305279202

CERTIFICATE OF ENVIRONMENT MANAGEMENT SYSTEM CERTIFICATION

Date of Initial Issuance: Apr. 11, 2016 / 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 911101021187598507

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



中国认可
国际互认
管理体系
CHAS C016-M



BCC Address: Room 4410-01, Phase 2, Yu'ao Guangyuan International Center, Dingling Town, Beijing, China. This certificate is valid within the scope of the certification and qualification. The effectiveness of the certificate shall be maintained by regular surveillance audits. The validity of the certificate can be queried through www.bcc.com.cn or by QR code. The information of this certificate available for inquiry on CICA's website: www.cica.org.cn.



CERTIFICATE

Certificate No. 016724310008234



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 911101020379202

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.



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



BCC Address: Room 45-01-01, Floor 5, 10-4F Changpingmen Inn, Dongcheng District, Beijing, CHINA. This certificate is valid within the scope of specified activities of administration 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 BCC's website: www.bcc.com.cn.



CERTIFICATE

Certificate No. 016724310008234



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 ISO 9001:2015 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 911101020379202

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.



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



BCC Address: Room 45-01-01, Floor 5, 10-4F Changpingmen Inn, Dongcheng District, Beijing, CHINA. This certificate is valid within the scope of specified activities of administration 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 BCC's website: www.bcc.com.cn.



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.udemild.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@udemild.com.tr www.udem.com.tr

RUSSIAN FEDERATION 02353

**СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ
ПОЖАРНОЙ БЕЗОПАСНОСТИ**
№ РОСС RU.32623.OC13ПБ в Едином реестре зарегистрированных систем добровольной сертификации

СЕРТИФИКАТ СООТВЕТСТВИЯ
№ РОСС RU.32623.OC13ПБ.10362
(для сертификации продукции)

ЗАЯВИТЕЛЬ
(наименование и наименование юридического лица)
Общество с ограниченной ответственностью "Перспектива"
Адрес: Российская Федерация, 125167, г. Москва, вн. тер. г. муниципальный округ Хорошевский, Пролетарский Ленинградский, д. 47, стр. 2, помещение 28а
ОГРН: 1247700670750, телефон: +74955181399, адрес электронной почты: perspektiva2409@mail.ru

ИЗГОТОВИТЕЛЬ
(наименование и наименование юридического лица)
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 наименование юридического лица)
№ 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

ПОТВЕРЖДАЕТ, ЧТО ПРОДУКЦИЯ
(наименование и наименование юридического лица)
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, пункта, условия договора, на соответствие которому (которым) производится 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 представлены заявителем по сертификации в качестве подтверждающей информации при условии корректности документов)

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ
Схема сертификации: 1с

СРОК ДЕЙСТВИЯ СЕРТИФИКАТА СООТВЕТСТВИЯ
с 23.05.2025 по 22.05.2028

Руководитель органа
О.В. Ребрин
подпись, печать

Эксперт
Т.А. Сибиракowa
подпись, печать

Сертификат не применяется при обязательной сертификации

Verified

Gold Plus Supplier Assessment Certificate

Certification No.: 21019358_P+T

Baodu International Advanced Construction Material Co., Ltd.

宝都国际新材料有限公司

<http://baoducn.en.alibaba.com>

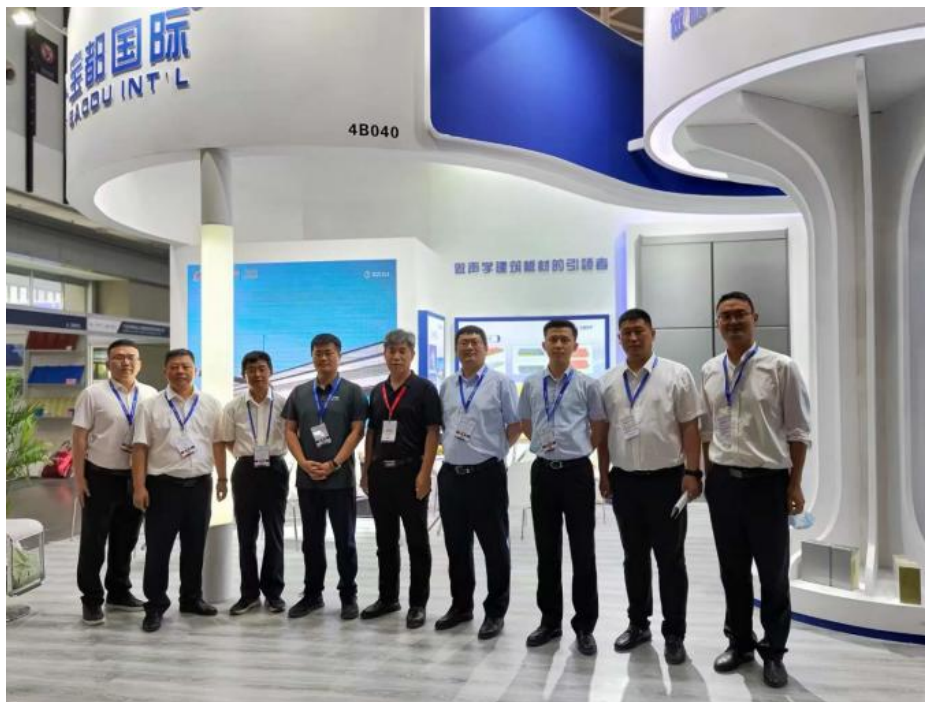
Onsite assessment was conducted by SGS

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









 Song Chunlei Overseas Manager  Baodu International Engineering Technology Co., Ltd Add : Floor 11, Jiayue 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				

Our modular steel structures are designed with precision engineering and high-quality materials to ensure durability, flexibility, and ease of assembly. For technical support, our expert team assists with installation guidelines, customization options, and maintenance best practices to maximize lifespan and performance.

We offer comprehensive services including structural analysis, design consultation, and on-site support. Whether you need assistance with load calculations, component compatibility, or integration with existing frameworks, our technical specialists provide timely, effective solutions tailored to your project needs.

We provide detailed documentation including assembly manuals, safety instructions, and compliance certifications for smooth project execution. For maintenance services, we recommend regular inspections and preventative care, with our team available for repairs, upgrades, and modifications.

Packing & Shipping











Classified Numbered Packaging: All components classified, numbered, and labeled with matching installation drawings

Compressed Space Packaging: Detachable kit design reduces container space and sea freight costs

Anti-Collision & Moisture-Proof Protection: Steel frames with anti-collision brackets, panels with moisture-proof film

Frequently Asked Questions

What are the advantages of truss-type steel structure for aircraft hangars?

Truss steel structure features light weight, high strength, and ultra-large clear span without intermediate columns. It perfectly meets aircraft storage and maneuvering space requirements with stronger wind and snow resistance than ordinary portal frames.

What is the function of the roof purlin system in the hangar?

The roof purlin system acts as the secondary load-bearing structure, fixing roof panels and dispersing external wind and snow loads. It enhances overall roof flatness and rigidity while preventing water leakage and structural deformation.

Can the hangar door opening be customized for different aircraft sizes?

Yes. We provide fully customized large door opening solutions tailored to your aircraft wingspan, height, and access requirements for zero-barrier entry and exit of various aircraft types.

What are the benefits of pre-fabricated steel members?

Factory pre-processing ensures precise sizes and unified standards, eliminating on-site cutting and welding. This improves installation efficiency, reduces construction errors, and ensures consistent quality.

Is the truss steel hangar suitable for long-term outdoor use?

Absolutely. Anti-corrosion galvanizing or multi-layer paint treatment with waterproof, weather-resistant systems adapt to complex outdoor climates, supporting decades of stable use.

Is on-site erection difficult for local teams?

No. All components are disassembled with complete installation documents. Bolt assembly requires no professional welding, and our detailed guides with remote technical support enable efficient local team erection.

What kind of aircraft is this hangar suitable for?

Widely applicable for helicopters, light sport aircraft, private jets, small-to-medium civilian aircraft, and aviation equipment storage and maintenance, with customization for different aircraft dimensions and usage scenarios.



Baodu International Advanced Construction Material Co., Ltd.

+86 13717927965

chunlei.song@baodu.com

baodupanel.com

