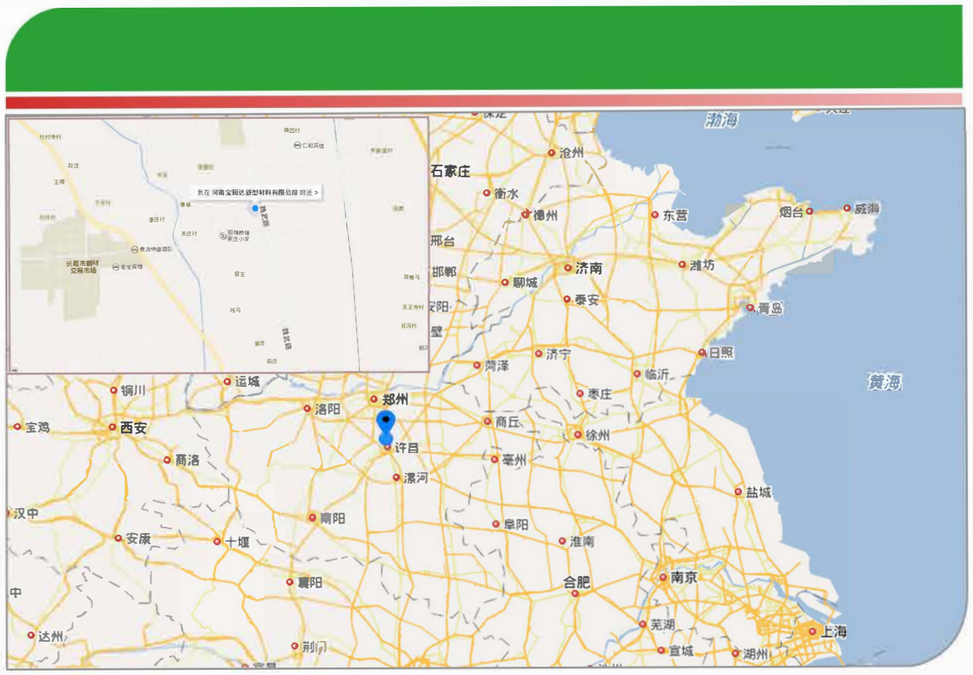


BRD NEW MATERIALS(MALAYSIA)SDN.BHD

Add: Lot 577, Jalan Merbau, Kampung Perepat, Batu 7 1/2 Jalan Kapar, 42200 Kapar, Selangor, Malaysia.

BADECO

BUILD YOUR DREAMS · 建造您的梦想



专业生产建造澳洲标准房屋

Australian code compliant housing manufacture

GENERAL CATALOG
目录



VILLA, STEEL STRUCTURE, PREFABRICATED HOUSES, CONTAINER HOUSE

别墅、钢结构、活动板房、箱式房

ABOUT BRDECO
关于宝润达

Build your dreams

建造您的梦想

BRD成立于1995年，位于马来西亚雪兰莪州的巴生，是一家现代股份制企业，根据上市公司的要求进行运营.BRD集科研，开发，制造，销售和服务于一体，拥有专业的制造，技术 职能研究和营销团队，致力于在装饰，节能及其他相关产品的应用和开发方面培养一个优秀的企业。

BRD was founded in 1995 and located in Kapar, Selangor, Malaysia, is a modern joint-stock enterprise operating according to the requirements of publicly-listed company. Integrating scientific research, development, manufacturing, sales and service, BRD has professional manufacturing, technology, functional research and marketing team, committing to fostering one excellent enterprise in the application and development of decoration, energy-saving and other related products.

BRD新材料（马来西亚）有限公司 是BRDECO集团在马来西亚的分支机构。 主要产品包括：夹芯板，冷藏室系统，洁净室系统，涂料，车库门，工业门，钢桁架甲板等建筑材料。 作为中国大型的新型节能建材生产基地，BRD依靠全球营销网络的辐射为用户提供及时，细致和全面的服务，并努力成为一家社会和用户信任的全球企业。

BRD NEW MATERIALS(MALAYSIA)SDN.BHD. is a branch of BRDECO Group in Malaysia. The main products include: sandwich panel, cold room system, clean room system, coating, garage door, industrial door, steel truss deck and other building material. As a large new energy-saving building materials production base in China, BRD relies on the radiation of global marketing network to provide users with timely, meticulous and comprehensive services, and it strives to become a social and user-trusted global enterprise.

宝润达新材
WE BUILD TOGETHER

Build your dreams
宝润达 - 建造您的梦想

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Enterprise spirit
企业精神

公司使命 Company fate
构建和谐居住空间
Construct harmonious living space

经营理念 Running theory
安全、美观、快捷、卓越
Safety, beauty, speedy and excellence

经营目的 Running goal
公司盈利且持续健康发展
The company makes profit and keeps steady developing

励志铭 Motto
生命不息、冲锋不止
Keep being、 keep progressing

经营口号 Running slogan
搭遍全球
Built around the world

公司文化 Company culture
激情、梦想、理性、情感、诚实、尊重
Passion、 dream、 sense、emotion、honesty and respect

Company honors 企业荣誉



QUALIFICATION CERTIFICATES 证书资质



河南省十强企业



建筑节能技术创新企业



机构代码



BRD营业执照



高新技术企业



CE 认证证书



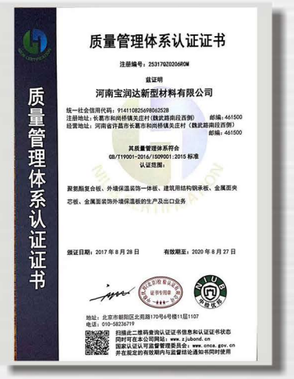
河南省名牌产品



轻钢建筑1090证书



环境管理体系认证



ISO9001

Type of business 业态模式

宝润达遵循市场发展要求，采用集轻钢住宅的设计、建造、营销为一体的新型业态模式，给住户和设计师搭建了一个交流的平台，比传统的设计、建造、市场分开的业态模式，更有利于建造出符合客户需求的建筑产品。宝润达着重做好每个细节，精益求精，确保每个环节的品质，全心打造高端终级建筑产品。

BRDECO follows the development demand of the market and adopts a new type of business integrated with designing, building and marketing light steel houses to create a communication platform for the residents and designers. It is more advantageous to create the building products that meet the demands of customers than traditional type of business that the designing, building and market are separated. BRD concentrates on details and keeps improving to guarantee the quality of each step and to create high-end building products wholeheartedly.



1. Design 设计：

宝润达拥有最优秀的设计团队，专注整个建筑的设计，包括规划、方案、建筑结构、室内外装饰装修及园林景观设计。设计强调空间的感觉和不同空间之间的关联，把结构和建筑牢牢结合在一起，努力打造整体环境优越而且功能合理的住宅。

BRDECO has the best design team, who focuses on the design of the entire architecture including planning, project, construction structure, indoor and outdoor decorations and the design of garden landscape. The design is emphasized on the feeling of space and the connections of different spaces that AMJ binds the structures and architectures together to build houses with an entire excellent environment and reasonable functions.



2.Construct 建造：

建造过程包括工厂预制和现场安装两个部分。宝润达通过标准化的采购，集约型生产预制，现场快速安装，保质保量 ,整个建造过程只需要三个月。

The whole construction is divided into factory production and field installation. BRDECO adopts standardized purchase, intensive production and quick field installation and ensures the quality that it takes only three months to complete the construction.



3.Marketing 营销：

宝润达始终以市场需求为导向，与房地产开发商、建筑承包商、旅游项目发展商及一切有兴趣使用轻钢建筑产品的所有顾客，提供最经济、最安全、最快捷的一站式服务。

BRDECO always takes the needs of markets as guidance and provide the most economical, rapid and safest one-station for real estate developers construction contractors, tour project developers and all the other customers who are interested in light steel building products.

TEAM 宝润达·一个高速发展的团队
BRDECO · A rapidly developing team

宝润达吸引众多国内外轻钢结构设计领域的优秀人才的加盟、引进数条先进的生产线以及现代化集约型生产管理机制。公司以人为本，尊重人才，从提供舒适的硬件环境，到卓越的软体设施。作为一个不断发展，面向世界的公司，安美捷愿意与天下有志之士，共同担负起改善人类社会居住环境的重任。

BRDECO has abstracted a lot of excellent talents in light steel structure design field and introduced several advanced production lines and modernization production management system. The company orients on people, respects talents and provides them with comfortable hardware environment and excellent software facilities. As a constantly developing company facing with the world, ANMEIJIE would like to take the responsibility of improving living conditions of human beings with the talents in the country.

Service content 服务范围

OUR SERVICE 我们的服务

服务宗旨

宝润达建造的不仅是一座房子，更是一个温馨的家；宝润达推出的不仅是完美的住宅，更是一种经典的生活模式。

Service tenet:

What BRD builds is not only a house, but also a sweet home;What BRD produces is not only a perfect house, but also a classical living pattern.



Service content:

Constructing mode:integration of construction and decoration.
Type of business: integration of designing, building and marketing.
Operation mode: technical consultancy, contracted construction, cooperative development
Professional products: golf houses, holiday villages, retirement villages
Cooperation process: planning, designing, on the spot investigation, building model house and group dynamic development

Basic composition
基本构成

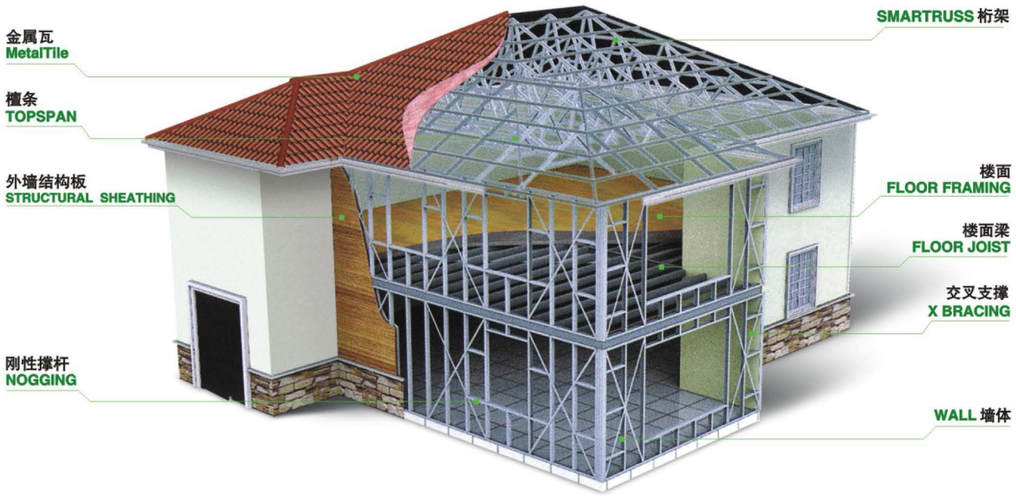
The basic elements of systems in the house
宝润达 · 住宅系统的基本构成

具有自重轻、跨度大、抗风抗震性能好，保温隔热、隔声等各项指标卓越的特点，是一种高效、节能、环保、符合可持续发展方针的绿色建筑体系。适用于别墅、多层住宅、度假村、会所等民用建筑、及建筑加层、屋顶平改坡、轻质内隔墙、外围护墙等。安美捷提供预拼装的出口房屋，墙体包括事先安装好的外墙围护、保温和窗户。屋架系统也可以预拼装的形式供应给客户，与传统的建筑方式相比大大加快了现场安装的时间。

同时，住宅部可为客户提供多种标准的经典别墅设计，也可采用先进的设计软件为客户提供最优设计方案，高效满足客户个性化的需求。

The steel framed housing system has several obvious advantages being light weight, wide span, resistant to strong winds and earthquakes, providing greater thermal comfort and provide excellent noise reduction performance. It is a highly efficient, energy saving, environmentally friendly, sustaining green building system and can be fire rated. It can be used in various residential styles, such as villas, multi-storey buildings, entertainment centers and clubs. It also can be used in adding an extra floor on existing buildings, re-roofing or adding light partitions and external claddings. ANMEIJIE can be exported and wall frames pre-assembled and external claddings, insulation and windows already attached. Trusses can also be supplied Pre-addembled, making installation times significantly quicker than conventional construction methods.

Moreover, BlueScope Lysaght Residential provides many standard classical villa styles. Developers can not only choose from the standard designs, but can also have them customized, if required. Using advanced design software, we will provide the optimized solutions to meet customers' needs with lower cost and high efficiency.



Residential System Components
住宅系统的组成图示

Roof System 屋面系统　　Floor System 楼面系统　　Wall System 墙面系统

Product advantage 产品优势

Product superiorities 产品优势

轻钢结构住宅相比普通土木结构住宅，优势表现为：
Comparing with ordinary civil engineering houses, light steel structure houses have such superiorities as follows:

More flexible 更灵活

轻钢结构住宅提供大共享空间，提高了功能分配的自由度， 可以根据需求进行灵活隔断，使室内布置呈多样化；轻钢结构体系能适应任何地质条件，不受地质环境影响，根据需要可以建立在山地、森林、冻土等各种复杂的地上。

Light steel structure houses provide large space for sharing and enhance function distribution that it can be flexibly separated according to specific needs to diversify indoor arrangements. Light steel structure system is suitable for any geological condition that the houses can be built on hilly places, in forests and on frozen earth etc.

More economical 更经济

轻钢结构体系自重轻，仅为混凝土结构的1/4，可以大大降低建造初期基础费用；轻钢结构住宅设计生产一体化、施工机械化的特点，大大节约了时间和人工；轻薄的墙壁和梁大大提高了住宅的有效使用率。据调查，一栋200平米的二层住宅，轻钢结构住宅的使用面积比混凝土结构住宅多8%–15%，整体综合效益显著。

Light steel structure has light weight. It is only as much as 1/4 weight of concrete structure, which can greatly reduces the cost in initial phase. And the light steel structure houses have the features of integration of design, production and mechanical construction that can greatly save time and space. The light and thin walls and beams improve the utilization rates of houses. It is investigated that for a two-floor house with an area of 200 square meters, the usable floor area of light steel structure houses is 8%-15% more than concrete structure ones.

Quicker 更快捷

轻钢结构住宅的建造工期短，约为传统结构的1/3左右，所有构件实现工厂预制，现场安装。属干法施工，不受天气季节影响。平均工期只需要三个月。

The construction time limit of light steel structure houses is short, about 1/3 of traditional ones. All the components are produced in factory and installed on site. The installation way belongs to dry construction that is free from the affects of weather and seasons. The average time is only three months.

Safer 更安全

轻钢材料优良的物理、力学性能使别墅具备整体刚度大、构件强度高、结构自重轻的特点，在地震、飓风等自然灾害下的表现远远优于其他结构形式，据了解，轻钢结构建筑的抗震性能是普通结构的2倍以上，并可抵抗70M/S的飓风， 结构使用更安全可靠。

The excellent physical and mechanical properties of light steel material endow villas with large integrated rigidity, high component strength and light weight. It has good performance in natural disasters such as earth quakes, hurricanes. It is known that the light steel structure has at least twice shock resistance as much as those of ordinary structure and it can resist 70m/s hurricane. The structure is safer and more reliable.

More durable 更耐久

轻钢结构住宅采用耐腐蚀性强的镀锌钢板、合理的防火构造措施来保证结构的耐久性，无需担心结构在火灾中的严重损坏。所用构件均实行工厂标准化生产，质量稳定，主体结构的耐久性可达70年以上。

Light steel structure houses are made of anti-corrosion zincing steel sheet with reasonable fire proof measurement to ensure the durability of the houses and be free from worries of serious structure damage in fires. All the components are produced in factory under standards with stable quality. The structure of the main body can last for more than 70 years.

More reassuring 更放心

轻钢结构住宅杜绝了结构徐变、泛潮和遭受白蚁、老鼠等虫害情况，居住更加放心、更加惬意。

The light steel structure is free from creeping, dampness and termite and rats that the living condition are more reassuring and pleasing.

More comfortable 更舒适

轻钢结构住宅采用的高效节能墙体具有呼吸功能，可调节室内湿度，并具有优异的隔音性能，实测结果表明，在室外80分贝（嘈噪音）的情况下，室内仅为40分贝（安静的办公环境）。居住更舒适。

The high efficiency energy saving walls of light steel structure houses have breathing functions that can adjust indoor humidity and have good soundproof ability. It is shown from the results of the experiments that when the sound outdoor is 80 db (noise), the sound indoor is only 40db (quiet for office work). It is more comfortable for living.

More energy–saving 更节能

轻钢结构住宅的墙体及屋面构造充分考虑了隔热、防潮效果，冬暖夏凉，更能节省大量的能源，数据表明，轻钢集成别墅住宅可提高 50 %的节能效果，可以节省30% – 40%的采暖运行费。

The heat insulation, dampness prevention of the wall and roof structure of light steel structure houses are fully considered in the design that the houses are warm in winter and cool in summer and can save more energy. It is shown from data that the light steel villas can improve 50% energy saving effects and save 30%-50% of heating fees.

More environmentally protection 更环保

轻钢结构住宅属生态型建筑，采用绿色环保的轻钢作为建筑材料，施工现场文明作业程度高，对环境造成的建筑污染小。房屋钢结构部分可100%的回收，其他配套材料也可大部分回收。

The light steel structure houses belong to ecology type construction that uses green and environment-friendly light steel as building materials. The civilized operation at construction site will cause little poilution to buildings. The steel structure components can be 100% recycled and other auxiliary materials can be mostly recycled.

Project Implementation 业务流程

宝润达参照国际发达国家建筑产品的先进营销模式，结合顾客需求的特点，制定出一套简捷的业务流程。

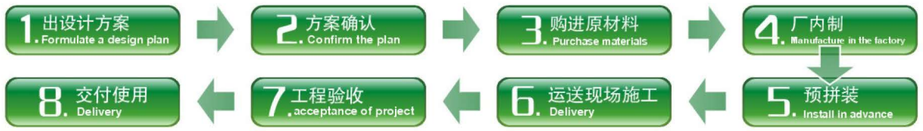
BRDECO consults the advanced marketing mode of building products of developed countries and combines the needs of the customers to have formulated a set of convenient operation flow:



Construction flow 施工流程

宝润达根据用户订单要求，严格按照国家标准、行业标准和用户具体要求，进行厂内加工制作和现场施工。

BRDECO considers the needs of customers' orders and strictly implement the in-factory processing and on-site construction according to the national, industry standards and the specific needs of the users.



Pre-assembled 预拼装

预拼装的方式既每一片墙体和屋架都预先拼装好。预拼装墙体包括防潮纸、保温棉、窗户、外墙和窗户的收边。预先安装的防潮纸和保温板大大节省了客户在现场安装的时间和人力成本。 宝润达的预拼装体系安装快捷简单，无废料，深受海外客户的青睐，预拼装房屋已经远销欧洲，美国和中东等地。

The Pre-assembled sytem comes with pre-assembled wall panels and trusses.The pre-assembled walls include anti-dampness paper,insulation,windows,exterior cladding and trim pre-installed to provide the customer time and labor cosr saving on site.BRDECO panelized system is "NO Waste" package,easy to assemble and quick to complete on any project site,This system is favored by overseascustomers.Residenrianl has exported the pre-panelized houses to Europe,America, middle East,etc



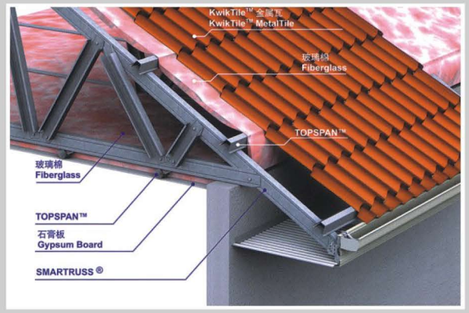
Knock Down System 现场拼装

宝润达提供两种类型的安装体系，预拼装和现场。两种体系均能完美满足客户的要求，安装简单快捷、经济节约、并有质量保证。体系的选择因项目的具体情况而异。

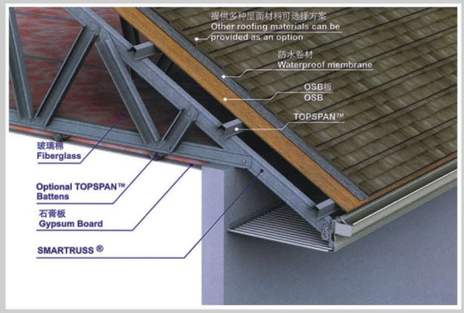
BRDECO provides two types installation systems: panelizde and knock Down or 'stick built'.Both systems will meet customers ' requirements for fast and easy installation,economical,guaranteed quality.the choice to useeither system is project specific.



Roof System 屋面系统



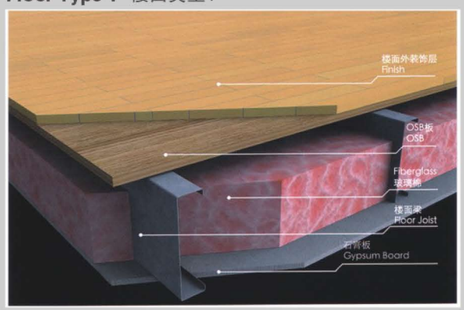
Roofing Type 1 屋面类型1



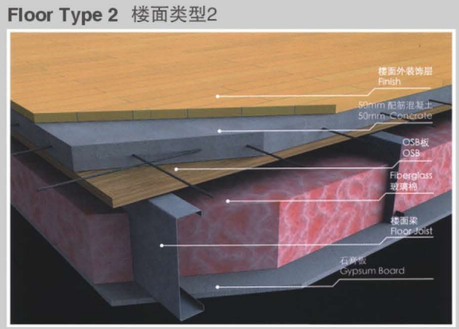
Roofing Type 2 屋面类型2

Floor System 楼面系统

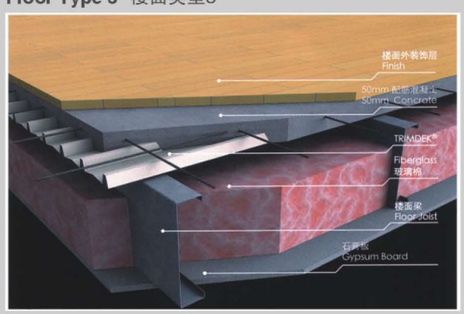
Floor Type 1 楼面类型1



Floor Type 2 楼面类型2

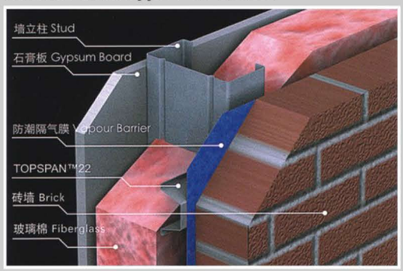


Floor Type 3 楼面类型3

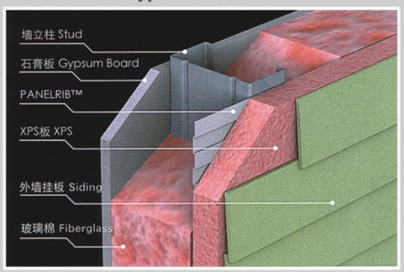


Wall System 墙面系统

Exterior Wall Type 1 外墙类型1



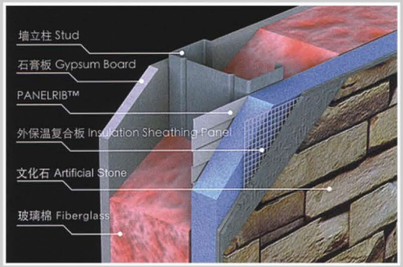
Exterior Wall Type 2 外墙类型2



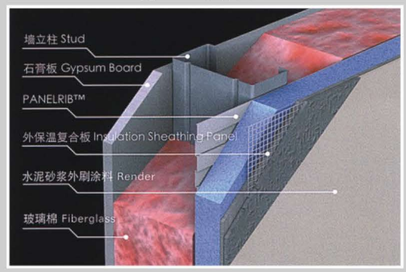
Exterior Wall Type 3 外墙类型3



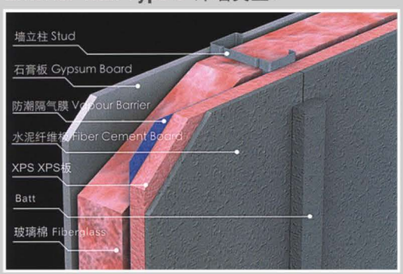
Exterior Wall Type 4 外墙类型4



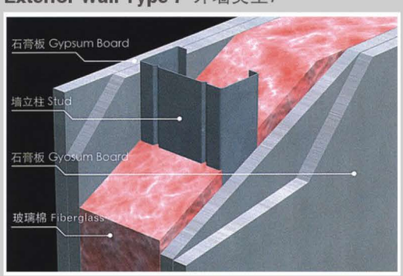
Exterior Wall Type 5 外墙类型5



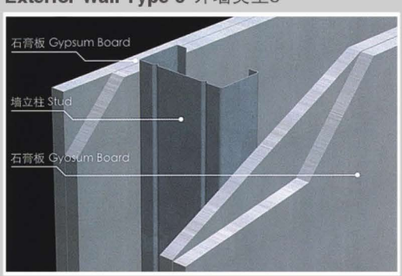
Exterior Wall Type 6 外墙类型6



Exterior Wall Type 7 外墙类型7

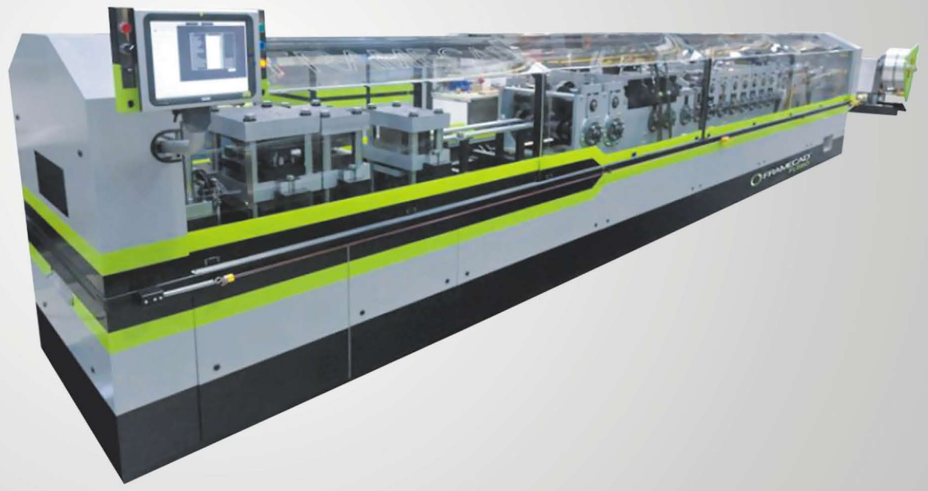


Exterior Wall Type 8 外墙类型8



Production equipment 生产设备

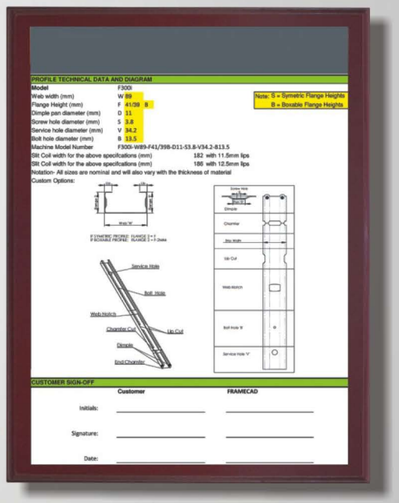
Light steel stud 轻钢龙骨生产线



Certificate and specification 证书及规格



CE 认证证书



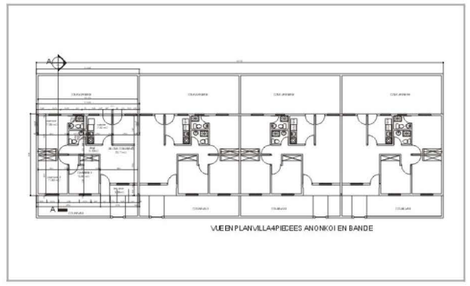
龙骨规格framecad

Production process 生产流程

Production and installation process 生产安装流程

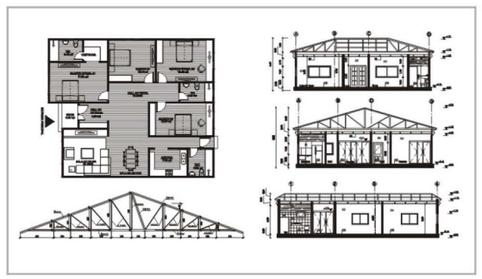


Benin project
贝宁项目 372.14㎡





Sierra leone project
塞拉利昂项目 168.85㎡





Brazil project
巴西项目 49.50㎡

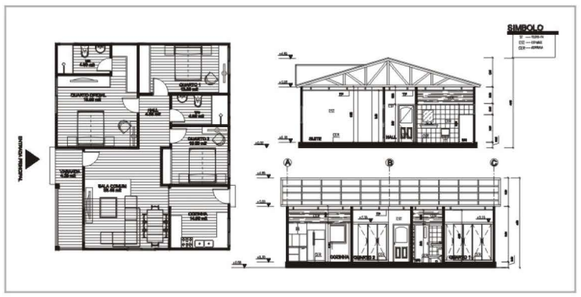






Angola project
安哥拉项目 104㎡



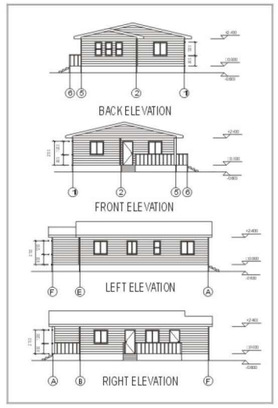


Holiday resort
山中湖渡假村 48㎡~72㎡





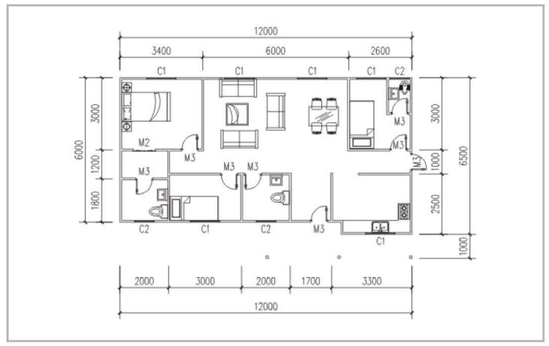
Angola project
安哥拉项目 96㎡





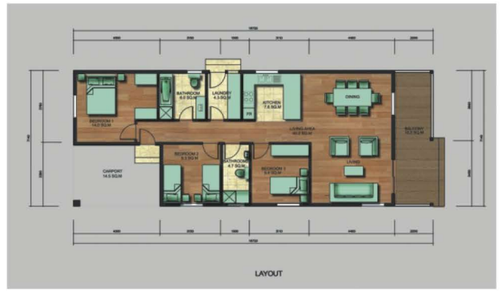
安美捷·快速高效的施工安装

Chile project
智利项目 77.16㎡



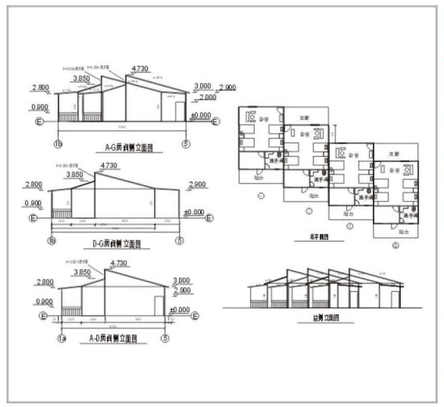


Maldives project
马尔代夫项目 106㎡



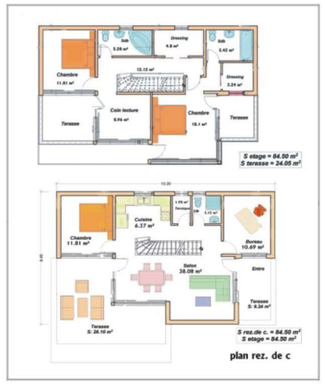


Light steel villa
连排别墅 52.09㎡×4 units





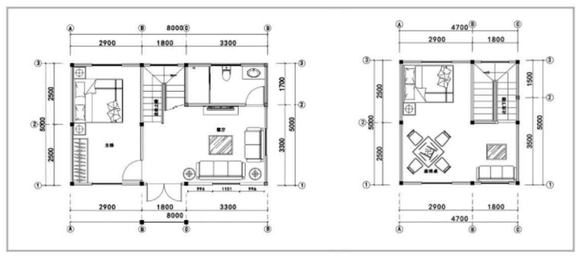
Spain project
西班牙项目 169㎡





Malaysia project
马来西亚项目 65.75㎡



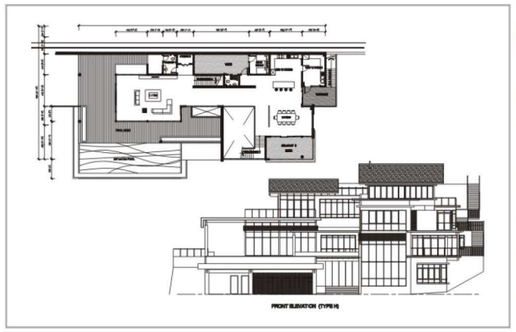


Angola project
安哥拉项目 280㎡





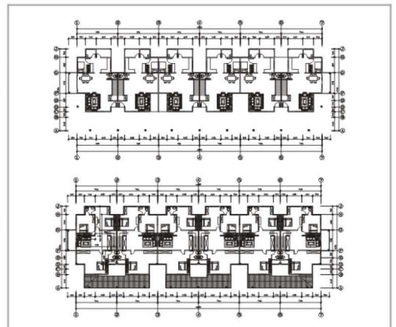
Malaysia project
马来西亚项目 1104.79㎡





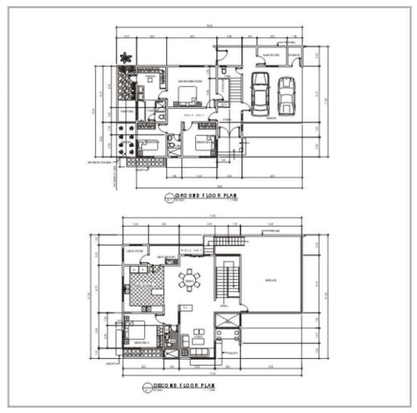
Papua New Guinea project
巴布亚新几内亚项目 1044㎡



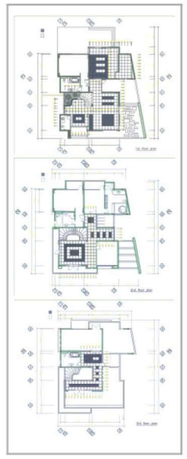


Malaysia project
马来西亚项目 405.65㎡





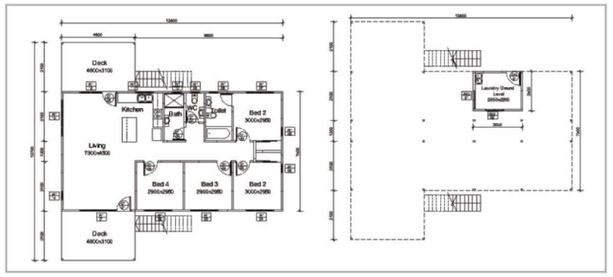
Vietnam project
越南项目 676.94㎡





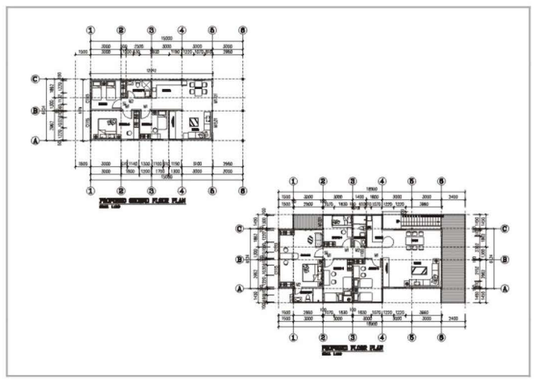
Papua New Guinea project
巴布亚新几内亚项目 139.34㎡





Papua New Guinea project
巴布亚新几内亚项目 214.49㎡



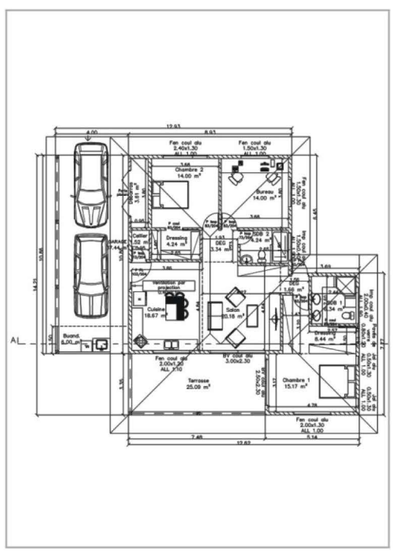


Tahitian light steel villa
大溪地轻钢别墅 148㎡



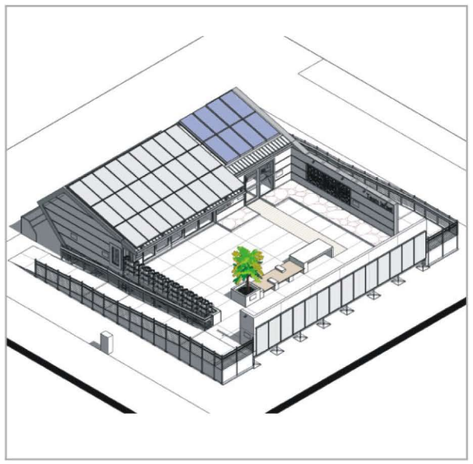


Tahitian light steel villa
大溪地轻钢别墅 148㎡





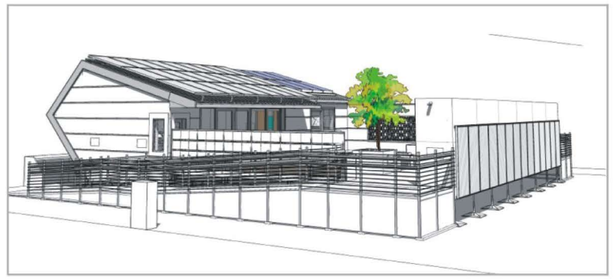
Shanxi Datong
山西大同212.62㎡



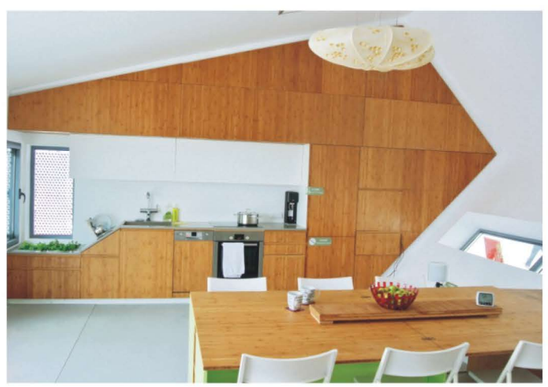


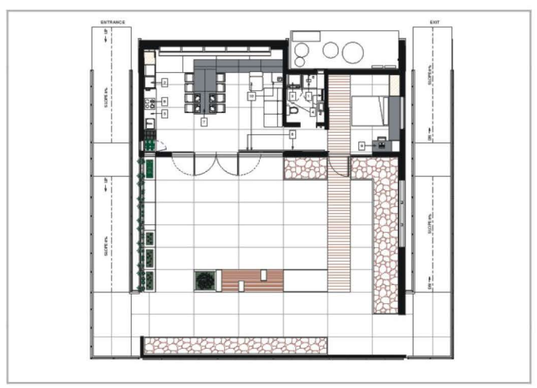
Shanxi Datong
山西大同212.62㎡





Shanxi Datong
山西大同212.62㎡

















Engineering 工程
project 实例













Steel structure house
钢结构建筑

Production Equipment 生产设备

我公司占地面积约为2万5千平方米，拥有各类生产大型钢结构先进设备和生产线，进行严密的生产加工控制，和专业化、规模化的生产制造。

Located in Nanhai Foshan, our company covers about 25,000 square meters.
Equipped with various advanced imported equipments for steel structure manufacture, we ensure high production capability and professional solution for our customers. Scientific production management system enables our products to have excellent performance and keep pace with steel structure development in the world.



JZ-400A系列H型钢翼缘矫正机
Jz-400a Series H Type Steel Flange Straightening Machine



MZG系列MZG-2x1000门型自动埋弧焊接机
Mzg Series Mzg-2x1000 Automatic Submerged Arc Welding Machine



多头数控切割机　Muti-head Digital Cutting Machine



数控平面钻床 Digital Control Drilling Machine



GP系列HGQ1218-8型辊道通过式抛丸机打砂除锈机
Gp Series Hgq1218-8 Type Shot Blasting And Derusting Machine



环保回收设备
Environmental Friendly and Recycling Equipment

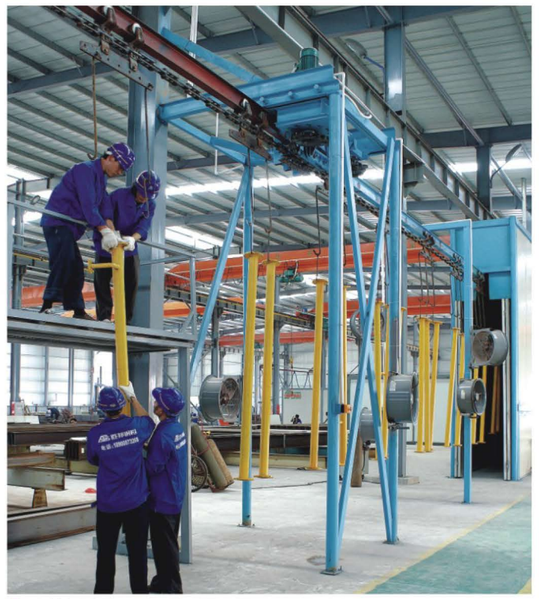


生产线 Production Line

Automatic powder Coating line
喷涂产线



自动喷涂机器 Automatic Powder Coating Machine



工件悬挂 Hanging the Steel Component



喷涂生产中 Powder Coating Producing



轨道式全自动喷涂产线 Rail-mounted Automatic Spraying Production Line

Installation flowchart 安装流程



1. 基础建设 Foundation Construction



2. 立柱吊装 Column Lifting



3. 墙面檩条安装 Wall Purlin Installation



6. 水平支撑 Lateral Bracing Installation



5. 屋面檩条 Roof Purlin Installation



4. 屋面钢梁吊装 Roof Girder Installation



7. 山墙板安装 Gable Wall Panel Installation

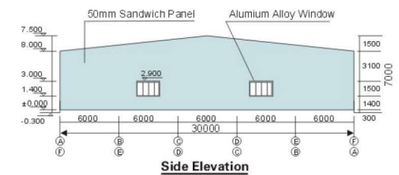


8. 屋面板安装 Roof Tile Installation

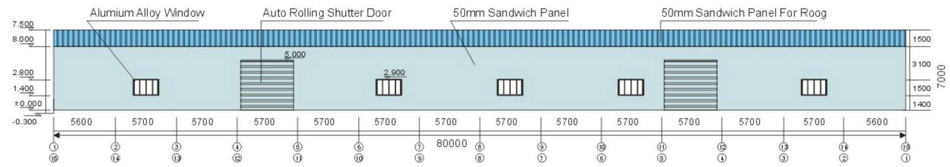


9. 工程完成 Project Installation Completion

钢结构建筑图纸
Steel Structure Building Drawings



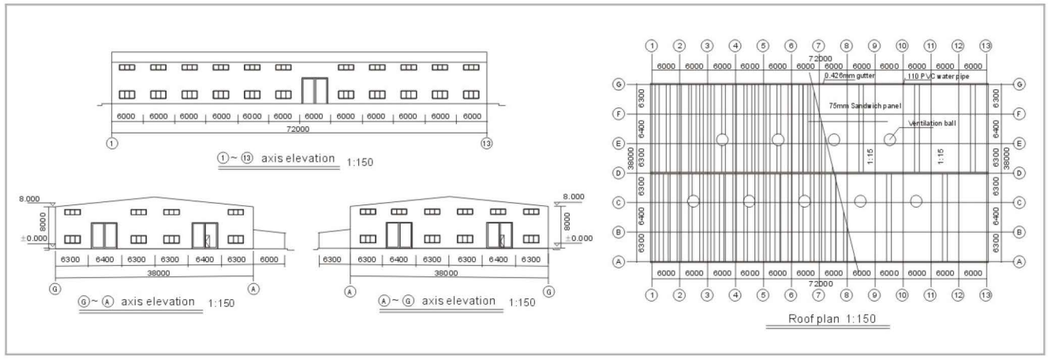
Side Elevation



Front And Back Elevation

工程名称：利比亚仓库
NAME OF THE PROJECT:Warehouse--Libya

规格尺寸：38m*72m*8m
Specification: 38m*72m*8m









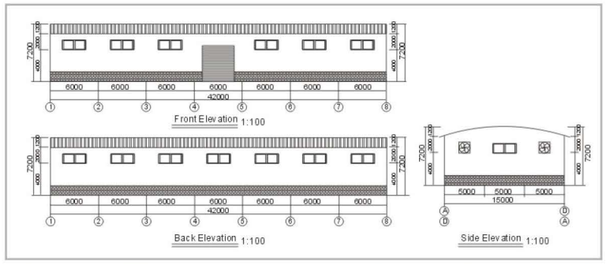






工程名称：摩洛哥弧形仓库
NAME OF THE PROJECT: Arch Roof Warehouse--Morocco

规格尺寸：15m*42m*7.2m
Specification: 15m*42m*7.2m





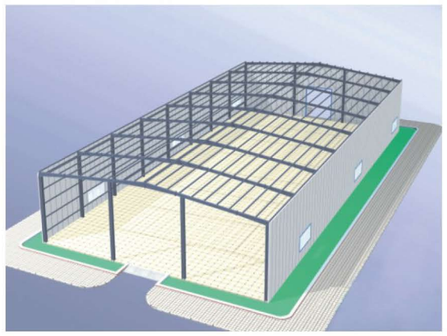


TEAM 宝润达·一个高速发展的团队
BRDECO · A rapidly developing team

仓库效果图 Warehouse rendering



仓库框架 Warehouse framework



Shipping container house
海运型集装箱房





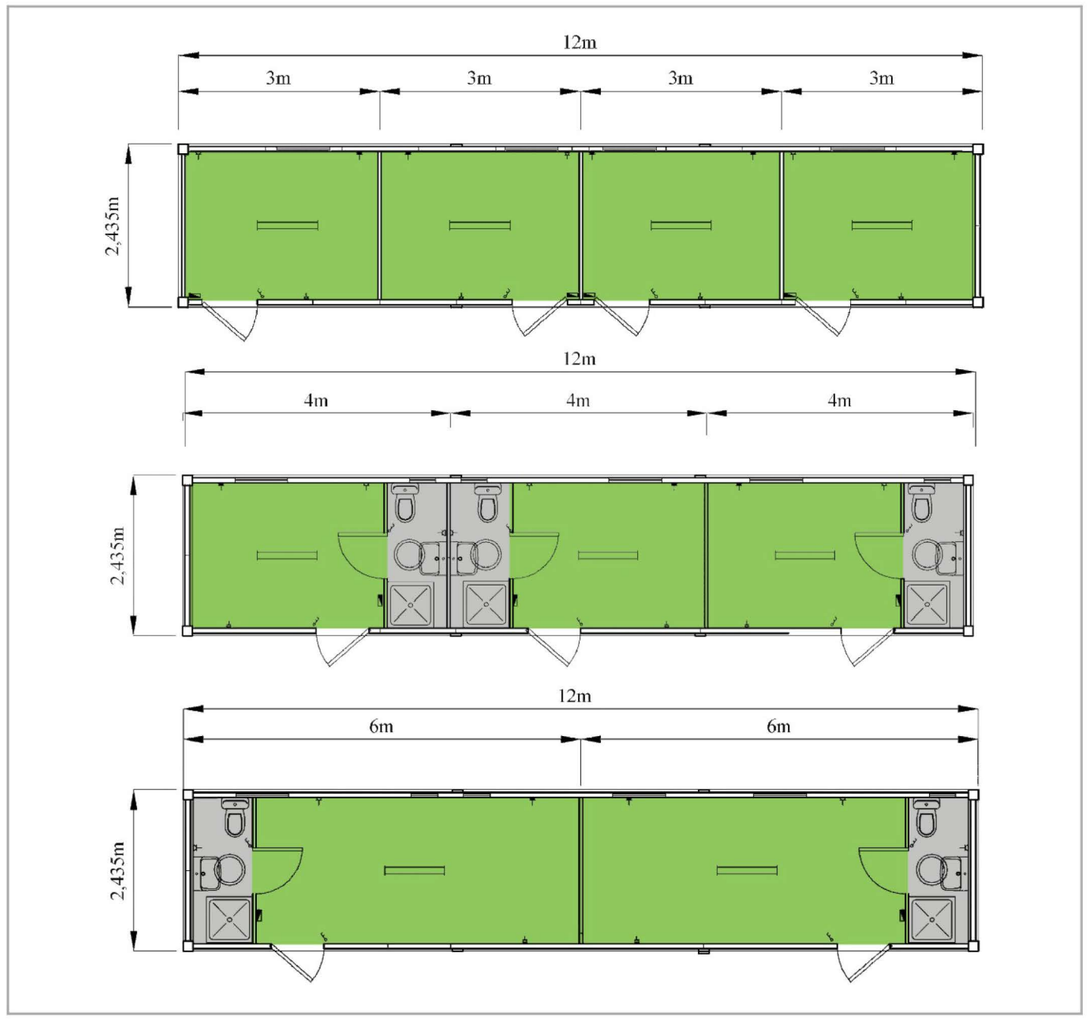


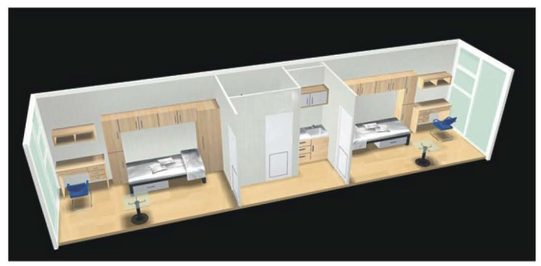








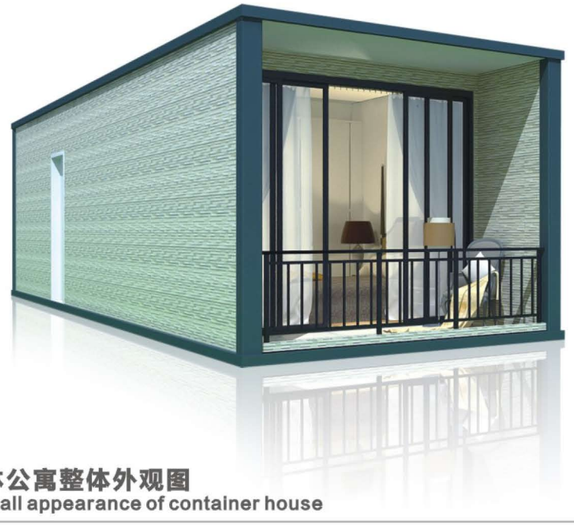






Engineering 工程
project 实例

Light steel frame container house
轻钢龙骨厢房



箱体公寓整体外观图
Overall appearance of container house











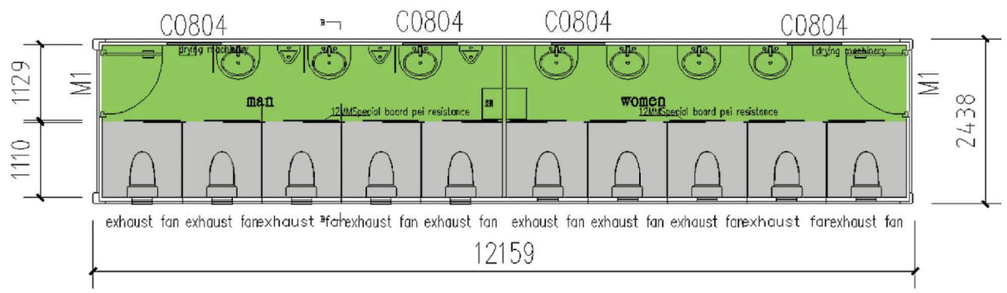




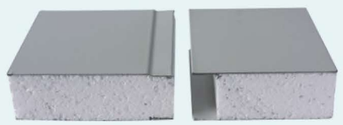




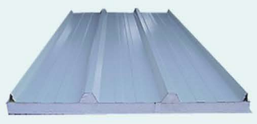




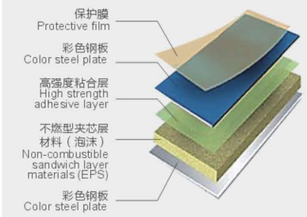
EPS sandwich panel EPS夹芯板



EPS 墙板
EPS Sandwich Panel——Wall



EPS屋面瓦
EPS Sandwich Panel——Roof Tile



EPS夹芯板是以彩色钢板为面层，以阻燃聚苯乙烯泡沫板为芯材，用双组份聚氨酯作为胶结剂，经连续加热加压复合成型，定尺同步切割而成的夹芯板。泡沫板通过胶粘剂将两层钢板复合成一体，起着承力作用，因此其压缩强度在100kPa左右。

EPS sandwich panel takes the color steel plates as surface layer, the flame-resistant polystyrene foam board as core material, the polyurethane as plasteringagent. The panel is formed by continuous heat and compression, synchronous scale and cut. Under the combination of the polystyrene foam board and plasteringagent, EPS panel can bear the heavy load, therefore its compressive strength is about 100kPa.

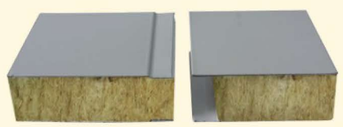
夹芯板的规格：

彩钢板厚度 0.3mm~0.6mm；
芯材厚度 50mm~250mm；
有效宽度 950mm、1150mm；
有效长度 根据客户需求定制。

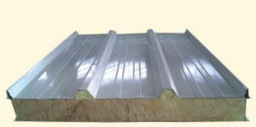
EPS SANDWICH PANEL SPECIFICATION

Steel Sheet Thickness：0.3mm~0.6mm；
Core Materials：50mm ~250mm；
Effective Width：950mm、1150mm；
Effective Length：By Customized

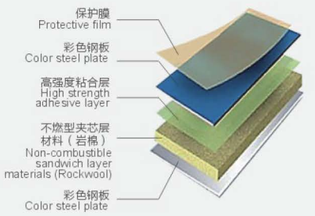
Rock wool sandwich panel 岩棉夹芯板



岩棉夹芯墙板
Rockwool Sandwich Panel——Wall



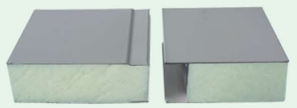
岩棉夹心瓦
Rockwool Sandwich Panel——Roof Tile



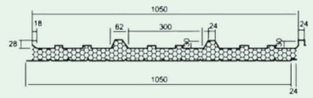
岩棉板在自重、导热、压缩强度、吸水率等性能上比聚苯乙烯和聚氨酯的物理机械性能差，但是它具有可高达600℃的使用温度，不燃性A级的突出特点，因而扩大了夹芯板的使用范围，成为适用于防火等级要求高的建筑物的轻型板材。

Rock wool sandwich panel is not better than polystyrene and polyurethane sandwich panel with regard to sole weight, heat conduction, compressive strength, water absorption rate and other physical and mechanical properties. However, it can be used under the service temperature of 600℃. Besides, this type panel possesses the outstanding feature of being level A incombustibility ,thus rock wool sandwich panel serviceable range is expanded to light weight construction materials for high requirement on fire-protection rating.

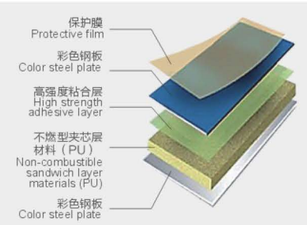
Polyurethane sandwich panel 聚氨酯夹芯板



PU 墙板
PU Sandwich Panel——Wall



PU 屋面瓦
PU Sandwich Panel——Roof Tile



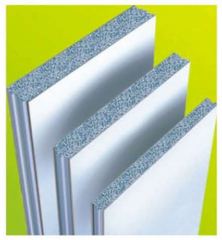
聚氨酯夹芯板用聚氨酯作芯材，其特性同样具有聚苯乙稀夹芯板的各种特点外，并具有不易燃烧，使用温度范围广，芯材使用温度在−196℃～＋130℃，瞬时达＋200℃。在低温甚至越低环境中使用时收缩小、不脆化，是深冷（冷库）工程理想的绝热材料。在超低温下使用收缩小、不脆化，无毒、无腐蚀性，导热性能稳定的优点。

广泛用于钢结构厂房、简易活动房的屋面、墙体、空气洁净室的吊顶与隔断。

Polyurethane panel takes the polyurethane as core material. Except having the same characteristics of the EPS sandwich panel, the Pu sandwich panel possesses the features of being nonflammable, wide range of service temperatures. The core material application temperature is 196℃~+130℃, the instant service temperature reaches +200℃. When used in low temperature environment, PU sandwich panel is small shrinkage and non-brittle.Therefore, it is the ideal constructive heat-insulating material for cold storage. Except that, PU sandwich panel has the advantages of being of non-toxic, non-corrosiveness, stable heat conductivity. The panel is extensively used as roof tile, wall body, ceiling and partition wall of steel structure workshop and prefabricated house.

Light Weight Composite Wall Panel dimensions 轻质复合墙板产品规格:

产品型号 Product Model	厚度 Thickness (mm)	长度 Length (mm)	宽度 Width (mm)	参考重量 Weight (kg/m²)	产品允许公差 Tolerance (mm)
直角板 Angel panel	50	2440 3000	610	45	长±5 宽±5 厚±5 平整度±5 Length±5 Width±5 Thickness±5 Evenness±5
直角板/倒角板 Angel panel/chanfer panel	75			60	
直角板/倒角板 Angel panel/chanfer panel	100			80	
直角板/倒角板 Angel panel/chanfer panel	125			100	
直角板/倒角板 Angel panel/chanfer panel	150			120	





质轻高强、增大使用面积、工期短、防火、隔音、易安装、易装饰、抗震、防潮、环保、经济、吊挂力强、可直接开埋线管、稳定性能、抗老化

Light weight, high strength, increasing use area, short construction period, fire proof, sound insulation, easy installation, easy decoration, earthquake resistance, moisture proof, environmental protection, high hanging force ability, can buried pipe line directly, stability performance, anti-aging.

Product performance 产品性能

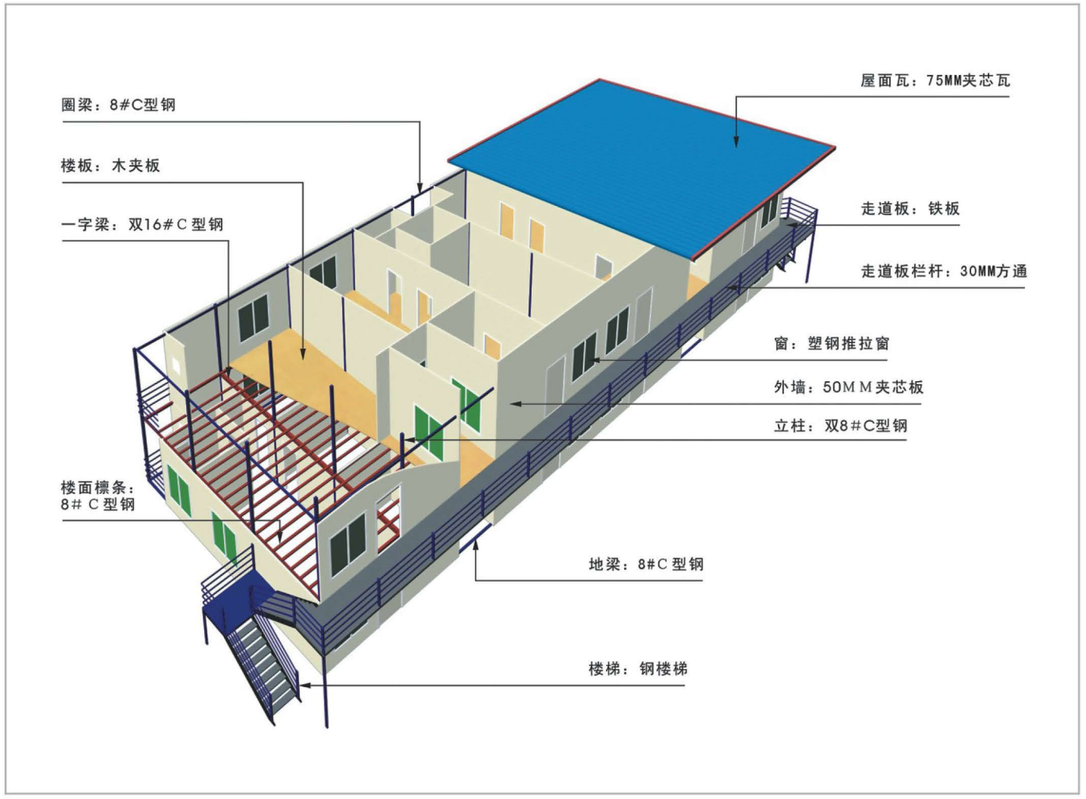
项目 Item	单位 Unit	50mm厚 50mm thick	75mm厚 75mm thick	100mm厚 100mm thick	125mm厚 125mm thick	150mm厚 150mm thick
容重 Density	kg/m2	45	60	80	100	120
抗弯破坏荷载 Bending strength	板自重倍数 Weight of multiple	≥3.0	≥3.0	≥4.0	≥4.0	≥4.0
抗压强度 Compressive Strength	Mpa	≥3.5				
抗冲击 Shock Resistance	标准砂袋/次 Standard sandbag/times	≥5				
软化系数 Softening Coefficient	—	≥0.8				
含水率 Water content	%	≤10				
干缩率 Dry Shrinkage Rate	mm/m	≤0.5				
吊挂力 Hanging force	N	≥1000				
导热系数 Thermal Conductivity	W/(m.k)	0.2				
传热阻 Thermal Resistance	m2・K/W	0.581	0.808	1.035	1.262	1.490
蓄热系数 Heat Storage Coefficient	W/・m2・K	2.751	2.454	2.396	2.360	2.337
热惰性指标 Heat Inertia Index	---	1.027	1.532	2.036	2.541	3.045
燃烧性能: Combustion Performance	级 Grade	A级不燃 A Non-ignitable				
耐火极限 Duration Of Fire Resistance	H	≥1.0	≥2.5	≥4.5	≥5.0	≥5.0
空气隔声量 Sound Reduction Index	dB	≥35	≥40	≥45	≥48	≥50
放射性 Radioactivity	内照指数 Irt Internal illumination coefficient Irt			≤1.0	符合建筑主体材料及装饰材料A类 Conform to building standard, Grade A	
	外照指数Ir External illumination coefficient Ir			≤1.0	产销和使用不受限制 No limited for production and marketing	
环保性 Environmental Protection	100%不含石棉，不含甲醛、苯等对人体有害物质 100% Non-asbestos, Non-formaldehyde-benzene and other harmful substances to the human body.					



FLAT ROOF
LUXURIOUS PREFAB HOUSE 平顶豪华活动板房

"宝润达"拼装系列平顶豪华活动板房是通过充分利用夹芯墙板及屋面板的自身强度，经过拉钉、螺栓、自攻钉的连接而组成的定型活动房屋系统。可工业化生产、周转使用，免内装修，体现了室内外美观、施工快捷的临建理念。

"BRDECO" installation series of flat roof luxurious prefab house make full use of strength of plywood wallboard and surface board, meanwhile connect pull nail, bolt nail with tapping nail to rounding use, besides it needs no indoor decoration, embodies the temporary construction theory of beauty and Short cut.















Engineering 工程
project 实例

SLOPING
ROOF PREFAB HOUSE 坡顶活动板房

“宝润达”拼装系列坡顶活动板房是本公司推出的一种全新概念的环保经济活动房屋，分普通型和高档型二种。可根据客户的需求，以标准模数进行空间组合，采用轻钢结构形成其骨架系 统。并以夹芯墙板及PU瓦形成围护及屋面系统，实现了简洁、美观、施工快捷、使用安全、标准通用的临建理念，使临建房屋进入一个工业化生产、可库存、可多次周转使用的定型房屋产品。

“ BRDECO “ put together to install series sloping roof prefab house is a brand-new kind of general economic prefab house of environmental protection of our company, divide into ordinary type and high grade type. May carry out space combination according to the demand of customer with standard modulus, form its skeleton system with country steel structure, and with clip-core wallboard and PU tile, forming to surround protect and roofing system. Have realized is succinct and beautiful, construction convenience, use safety and standard building conception for general using, make temporary building enter a industrialization production, may be in stock, and have enough to meet the need of temporary finalize the design house repeatedly use.

坡顶活动板房(一层)
SLOPING ROOF PREFAB HOUSE (1 layer)




坡顶活动板房(二层)
SLOPING ROOF PREFAB HOUSE (2 layerS)





坡顶活动板房(三层)
SLOPING ROOF PREFAB HOUSE (3 layers)




坡顶型活动板房面积对照表
Area Comparison List of Slope Top Mobile Houses

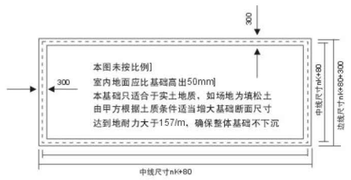
长 \ 宽		单层(3P)					双层(6P)					三层(9P)		
		2K	3K	4K	5K	6K	2K	3K	4K	5K	6K	3K	4K	5K
4	K	31.99	45.53	59.07	72.61	86.16	76.70	103.79	130.87	157.95	185.03	176.84	217.46	258.08
5	K	39.82	56.67	73.52	90.38	107.23	93.27	126.97	160.68	194.39	228.09	212.07	262.63	313.19
6	K	47.64	67.81	87.98	108.14	128.31	109.83	150.16	190.49	230.82	271.15	247.31	307.81	368.30
7	K	55.47	78.95	102.43	125.90	149.38	126.39	173.35	220.30	267.26	314.21	282.54	352.98	423.41
8	K	63.30	90.09	116.88	143.67	170.46	142.95	196.53	250.11	303.69	357.28	317.78	398.15	478.52
9	K	71.12	101.22	131.33	161.43	191.53	159.51	219.72	279.93	340.13	400.34	353.01	443.32	533.63
10	K	78.95	112.36	145.78	179.19	212.61	176.08	242.91	309.74	376.57	443.40	388.25	488.50	588.74
11	K	86.77	123.50	160.23	196.96	233.68	192.64	266.09	339.55	413.00	486.46	423.48	533.67	643.85
12	K	94.60	134.64	174.68	214.72	254.76	209.20	289.28	369.36	449.44	529.52	458.72	578.84	698.96
13	K	102.43	145.78	189.13	232.48	275.84	225.76	312.47	399.17	485.88	572.58	493.96	624.01	754.07
14	K	110.25	156.92	203.58	250.25	296.91	242.32	335.65	428.98	522.31	615.64	529.19	669.18	809.18
15	K	118.08	168.06	218.03	268.01	317.99	258.89	358.84	458.79	558.75	658.70	564.43	714.36	864.29
16	K	125.90	179.19	232.48	285.77	339.06	275.45	382.03	488.61	595.19	701.76	599.66	759.53	919.40
17	K	133.73	190.33	246.93	303.54	360.14	292.01	405.21	518.42	631.62	744.83	634.90	804.70	974.51
18	K	141.56	201.47	261.38	321.30	381.21	308.57	428.40	548.23	668.06	787.89	670.13	849.87	1029.62
19	K	149.38	212.61	275.84	339.06	402.29	325.13	451.59	578.04	704.49	830.95	705.37	895.05	1084.73
20	K	157.21	223.75	290.29	356.83	423.36	341.70	474.77	607.85	740.93	874.01	740.60	940.22	1139.84
21	K	165.03	234.89	304.74	374.59	444.44	358.26	497.96	637.66	777.37	917.07	775.84	985.39	1194.95
22	K	172.86	246.02	319.19	392.35	465.52	374.82	521.15	667.48	813.80	960.13	811.07	1030.56	1250.06
23	K	180.69	257.16	333.64	410.12	486.59	391.38	544.33	697.29	850.24	1003.19	846.31	1075.74	1305.17
24	K	188.51	268.30	348.09	427.88	507.67	407.94	567.52	727.10	886.68	1046.25	881.54	1120.91	1360.28
25	K	196.34	279.44	362.54	445.64	528.74	424.51	590.71	756.91	923.11	1089.32	916.78	1166.08	1415.38
26	K	204.16	290.58	376.99	463.40	549.82	441.07	613.90	786.72	959.55	1132.38	952.01	1211.25	1470.49
27	K	211.99	301.72	391.44	481.17	570.89	457.63	637.08	816.53	995.99	1175.44	987.25	1256.43	1525.60
28	K	219.82	312.85	405.89	498.93	591.97	474.19	660.27	846.35	1032.42	1218.50	1022.48	1301.60	1580.71
29	K	227.64	323.99	420.34	516.69	613.05	490.75	683.46	876.16	1068.86	1261.56	1057.72	1346.77	1635.82
30	K	235.47	335.13	434.79	534.46	634.12	507.32	706.64	905.97	1105.30	1304.62	1092.95	1391.94	1690.93

坡顶型活动板房面积计算规则：

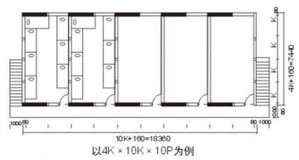
1、主体面积=外墙外边长 × 宽 × 层数；
2、室外楼梯、走道面积=自然层水平投影面积；
3、雨蓬面积=雨蓬水平投影面积的一半；
4、总面积=（1）+（2）+（3）
5、标准层两部楼梯，左右山墙各一部，每部楼梯4.5□,增减楼梯时按此数增减即可；
6、除特别注明外，工程量计算方法均按上述计算规则进行结算。

The area computation rules for slope top mobile houses:

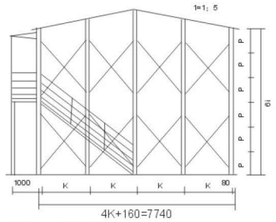
1. Main body area=Length of outer side of exterior wall × Width × Number of layer;
2. The area of outdoor staircase and passage= the horizontal projection area of the natural layer;
3. The area of rain cover= half the horizontal projection area of the rain cover;
4. Total area=（1）+（2）+（3）
5. There two staircases for a standard layer on the left and right gables. Each staircase is 4.5㎡, according to which the changes of the stairs are made.
6. Without special notice, the computing method of engineering work load shall be subject to the rules above.



K × K板房基础图
K × K Foundation drawing



以4K × 10K × 10F为例
平面布置图
layout chart



侧立面图(1:100)
side plane chart(1:100)

Engineering 工程
project 实例

Russia winter olympic
Project 俄罗斯冬季奥运工程

















1.为什么用轻钢作为主要的结构体系?

钢材易于工厂化加工，质量能得到严格控制； 质量稳定，强度高，抗震性、抗腐蚀性好； 重量轻，减少地基造价；施工速度快，降低成本； 防白蚁，不易燃烧，结构耐久性长；绿色环保建材，回收率 100 %，无浪费； 钢结构相比普通结构（钢混或砖混）具有优势；

1. Why light steel is used in the major structure system?

Steel is easy to process in factories and the quality can be strictly controlled. Light steel has such characteristics and superiorities: stable quality, high strength, good shock and corrosion resistance, light in weight, which can cut the cost of foundation construction, easy for construction to lower down cost, termite prevention, not inflammable, durable structure, green and environment-friendly building materials with 100% recycling rate, waste-free. Steel structure is superior to ordinary structures (steel concrete or brick concrete).



2.采用轻钢结构体系价格怎么样?

钢材价格稳定；相对传统的建筑施工，从事钢结构施工的人员要求更低，人工便宜；施工工期短，降低成本；轻钢结构体系自重轻，对地基及基础要求低，节约了成本；轻钢结构墙体薄，节约出更多的使用面积；有利于实现产业化，采用轻钢结构住宅体系综合造价越来越低。

2. What is the price for light steel structure system?

The price of steel is stable. Comparing with traditional constructions, the requirements and labor cost for steel structure construction workers are lower. The construction time is short that will cut down the cost. Light steel structure is light in weight and has low requirements for foundation and base that will save the cost. The light steel wall is thin that can save more areas for use. Using light steel structure is good for industrialization and the comprehensive cost for houses will be lower and lower.



3.轻钢结构能够重新布局房间内的空间吗?

是的。轻钢结构住宅很容易被设计为大跨度、大空间，内部空间按功能需要被非承重墙分隔成各种使用空间。住户可以简便的重新分隔它们而不会破坏整个结构体系。

3. Can we re-arrange the space in the house of light steel structures?

Yes. Light steel structure is easy to be designed to large span and space structure. In the space, it can be separated into all kinds of spaces according to functional demands by non bearing walls. The residents can simply and conveniently separate the space without breaking the whole structure system.



4.采用轻钢结构对地基要求高吗？基础造价高吗?

不。由于轻钢结构体系自重轻，只有混凝土结构的 25 %、木结构的 60 %，所以对地基要求更低，基础造价大大降低。

4. Does light steel structure have high requirement to foundation? Is the foundation cost high?

No . As light steel structure is light in weight with only 25% concrete structure and 60% wood structure, it has lower requirements to the foundation and the foundation cost will be greatly reduced.



5.轻钢结构住宅能抵抗地震或者飓风等自然灾害吗?

是的。钢结构是设计师最喜欢采用的一种抗震结构，因为钢材的本身高强度和良好的柔韧性，可以有效的吸收地震、飓风的产生的巨大破坏能量，从 而保护整个结构不被严重损坏。

5. Can the houses with light steel structure resist natural disasters such as earthquakes and hurricanes?

Yes. Steel structure is the favorite shock resistant structure used by designers, because the steel itself has high strength and good flexibility that can effectively absorb the great destructive power produced by earthquakes and hurricanes so as to protect the whole structure from being damaged.



6.轻钢结构住宅适合建造在海边吗?

是的。根据国家标准，通过增加钢构件的镀锌量来提高其抗腐蚀性，通过技术处理后，钢结构同样适合建造在海边，而且耐久性得到保证。

6. Are houses with light steel structure suitable to be built by the sea?

Yes. According to national standards, steel structure can be used in construction by the sea by increasing the galvanization rates in the steel components to enhance its corrosion resistance and other technical treatment. And the durability is ensured.



7.轻钢结构住宅是否需要支付更高的保险费?

不用。事实上恰恰相反，通常您不必付出较高的费用来买保险。因为钢结构符合保险公司称之为“超级结构”的条件，即钢结构具有优越的抗震性能、不易燃烧、防白蚁等，是一种更稳定、可靠的结构体系。

7. Do we need to pay more insurance for houses with light steel structure?

No. On the contrary, you don't have to spend much on insurance, because steel structure meets the conditions of what the insurance companies call “super structure”, that is, the structure have excellent shock resistance, is not inflammable and termite protective. It is a more stable and reliable structure system.



8.轻钢结构住宅的交工标准是怎样?

工程造价包括房屋室内外精装修、水电管线系统设置、厨卫和基本配置。不包括地价、基础、室内家具、家用电器、灯饰、绿化和其他各种用户配套工程费用。

8. What are the acceptance criteria of the house with ANMEIJIE light steel structure?

The engineering cost includes the costs of the fine decorations indoor and outdoor, pipeline system arrangements of water and electricity, kitchen, washrooms and basic arrangements but excludes land prices and the costs of foundations, indoor furniture, electric appliances, light decorations, greening and other auxiliary engineering projects for the users.