



佛山市赣源钢结构有限公司

FOSHAN GANYO STEEL STRUCTURE CO.,LTD



FOSHAN · CHINA



**people-oriented, quality as the root, reputation first, and customer first
design, research and development, production, and installation services**

Contents 目录

- 03-06** **Company profile 公司介绍**
- 07-09** **The characteristic & application of the portal frame house 门式钢架的特点及应用范围**
- 10** **The multi flooring steel buildings 多层钢结构**
- 11-13** **The production, materials & installation detail for the portal frame house 门式钢架的生产流程、材料和安装流程**
- 14-21** **The projects of the portal frame house 门式钢架的国外项目**
- 22** **How to design a workshop you like? 如何定制你想要的一个厂房**
- 23-24** **The temporary building: K house 临建建筑: K式板房**
- 25-28** **The temporary building: T-type Prefab House For Camp T式型简易工人房**
- 29-32** **About the different type container house 关于各式箱房**
- 33-35** **Introduction of the cladding materials 围护材料的介绍**
- 36** **Partial specifications of C/Z steel & H-shaped steel 关于C/Z型钢和H型钢的部分规格**

Company profile

公司简介

Foshan Ganyo Steel Structure Co., Ltd. is located in Gaoming Mingcheng Town, Foshan City, which is one of the steel structure production bases in Guangdong province. It is a medium-sized production enterprise that integrates steel structure design, research and development, production, and installation services; The company mainly engages in a series of products throughout the entire industry chain, including steel structure prefabricated buildings, prefabricated houses, container houses, etc. The company has two production factories covering a total of 26000 square meters. Among them, the large steel structure manufacturing factory has dozens of precision processing equipment such as steel structure fully automatic production lines, H-shaped steel automatic assembly machines, CNC flame cutting machines, etc. The annual output of steel structures reaches 20000 tons; The light steel housing manufacturing factory has two advancing sandwich panel machines and welding processing equipment, with an annual output of 300000 square meters.

Since its establishment, the company has gathered a team of experienced designers, managers, and high-quality production staffs in the industry. With the product design concept of "quality, convenience, and practicality" and the factory purpose of "people-oriented, quality as the root, reputation first, and customer first", it has constrained itself. With superior product quality and comprehensive after-sales service, simple and fast installation combination, it has won the recognition of a large number of customers. The products are exported to more than 60 countries and regions around the world in Asia, Africa, and South America.

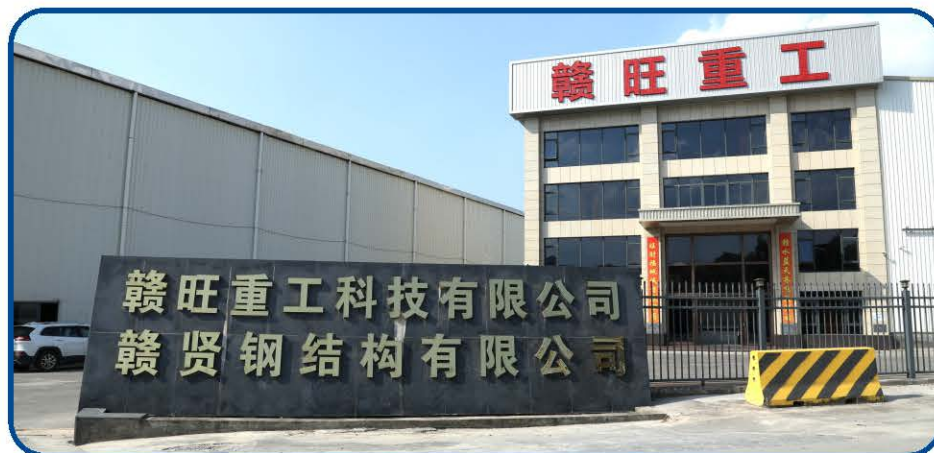


佛山市赣源钢结构有限公司位于广东钢结构产业基地佛山市高明明城镇，是一家集钢结构设计，研发，生产及安装一体化服务的中型生产企业；公司主营钢结构装配式建筑，活动房屋，集装箱房等全产业链系列产品，公司自有两个共26000平方米的生产工厂，其中大型钢构制造工厂拥有钢结构全自动生产线，H型钢自动组力机，数控火焰切割机数十台精密加工设备，钢结构年产量达到2万吨；轻钢房屋制造工厂拥有两条先进的夹芯板机及焊接加工设备，年产量30万平方米。

公司自成立以来，集聚业内资深设计，管理与高素质的生产员工队伍，以“质优，便利，实用”的产品设计理念和“以人为本，质量为根，信誉至上，客户为先”的办厂宗旨来约束自己，用优越的产品质量与周全的售后服务，简单快捷的安装组合赢得了广大客户的认可，产品远销亚洲，非洲，南美洲等全球60多个国家与地区。

Factory view

工厂展示



Factory view & our team

车间与团队



Photos with clients

客人合影



About the portal frame house

关于门式钢架

Brief introduction of the portal frame house:

Portal frame is a traditional structural system, in which the main frame includes beams, columns, supports, purlins, tie bars, and gable frames, etc.

The steel structure houses with portal frames has some characteristics of simple force bearing, clear force transmission path, fast component production, easy factory processing, and short construction period. Therefore, it is widely used in industrial and civil buildings such as industrial workshops or warehouses, commercial buildings, and other many different buildings. The steel structure of portal frame houses originated in the United States and has undergone nearly a century of development, becoming a relatively completing structural system with design, production, and construction standards.



简介

门式刚架为一种传统的结构体系，该类结构的上部主构架包括刚架斜梁、刚架柱、支撑、檩条、系杆、山墙骨架等。

门式刚架轻型房屋钢结构具有受力简单、传力路径明确、构件制作快捷、便于工厂化加工、施工周期短等特点，因此广泛应用于工业、商业及文化娱乐公共设施等工业与民用建筑中。门式刚架轻型房屋钢结构起源于美国，经历了近百年的发展，已成为设计、制作与施工标准相对完善的一种结构体系。

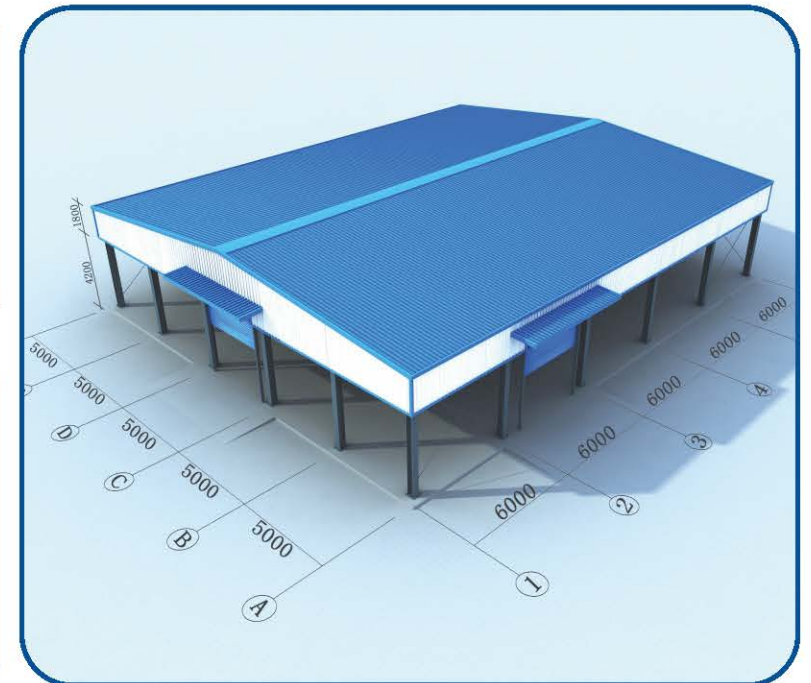
The characteristic of the portal frame house

关于门式钢架的特点

Characteristic:

The steel structure of portal frame houses is a branch of light steel structure. The main characteristics of this structure type are: lightweight, fast & efficient on production and installation. The materials are energy-saving and environmentally friendly, prefabricated production in the factory, and construction assembly on site, such way is convenient and fast, and saving much construction time.

The economic benefits are obvious because the structure is sturdy and durable, the building appearance is novel and beautiful, the quality is excellent with a reasonable price. The layout of columns and beams are flexible, can meet the construction and usage requirements under different climate and environment conditions.



特点

门式刚架轻型房屋钢结构属轻型钢结构的一个分枝，这种结构型式的主要特点是：体现轻钢结构轻型、快速、高效的特点，应用节能环保型新型建材，实现工厂化加工制作、现场施工组装、方便快捷、节约建设周期；结构坚固耐用、建筑外型新颖美观、质优价宜、经济效益明显；柱网尺寸布置自由灵活、能满足不同气候环境条件下的施工和使用要求。

About the application of the steel structure buildings

关于门式钢架的应用范围

The main application range of steel structures for portal frame light houses, including single-story industrial and construction factories, multi-storey buildings, civilian supermarkets and exhibition halls, warehouses, and various types of warehousing industrial and civil buildings, is a strong competitive field with broad market application prospects.



多层钢结构
5 floors super-market



钢结构厂房
steel structure workshop



钢结构办公室
prefabricated office



钢结构商铺
prefabricated store



钢结构4S店
steel structure 4S shop



钢结构餐厅
steel structure canteen

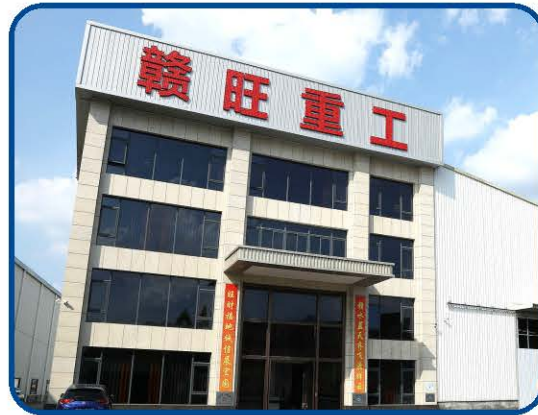
应用范围

门式刚架轻型房屋钢结构的主要应用范围，包括单层工建厂房、民建超级市场和展览馆、库房以及各种不同类型仓储式工业及民用建筑等，都是它强有力的竞争领域，有广泛的市场应用前景。

The multi flooring steel buildings

多层钢结构

Multi story steel structures have unique advantages such as reducing structure weight, improving utilization efficiency, and strengthening seismic performance. At present, it is widely used in various scenarios, such as multi-story factories or warehouses, shopping malls, offices, apartment buildings, etc. If we want to achieve the sustainable application of multi-layer steel structures in industrial factories, we should design them reasonably, continuously improve the performance of the structure itself, and thus explore broader application prospects for it.



多层钢结构具有降低结构重量、提高利用率、强化抗震性能等独特优势。现阶段，被大面积应用在各个场景中：如多层厂房或仓库，商场，办公室，公寓楼等。并将通过合理设计，提升结构自身性能，开拓更加广阔的应用场景。

About the production of the steel structure buildings

关于门式钢架的生产流程



激光冲孔
Laser punching



CNC下料
CNC cutting



组立
Assembly to H steel



埋弧焊
Submerged arc welding



探伤校正
Flaw detection & correction



拼装
Assembly with the connection plate



焊接
welding



打磨清渣
Grinding and slag removal



打磨前质检
Quality inspection before blasting



抛丸除锈
Shot blasting for rust removal



喷漆
painting



标记入库
Mark & storage



装车
loading

About the materials for the steel structure buildings

关于门式钢架的材料



预埋件
embedded bolts



连接板
connection plate



钢柱
column



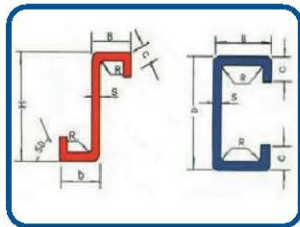
钢梁
steel beam



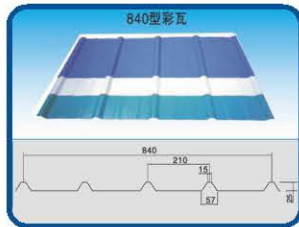
系杆
steel rod



气楼架
clarestory frame



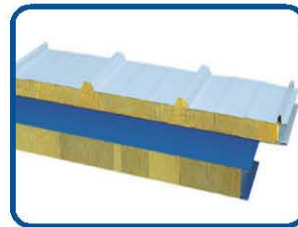
檩条
purlin (C shape or Z shape steel)



单彩瓦
corrugated steel sheet



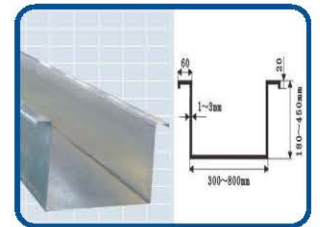
泡沫夹芯板
EPS sandwich panel



岩棉夹芯板
rock wool sandwich panel



透光瓦
transparent panels



水槽
water gutter



水管
water pipe



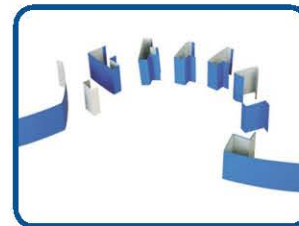
卷帘门
rolling door



窗
window



连接螺栓
screws



包边材料
flashing sheet



通风球
ventilation balls

About the installation of the steel structure buildings

关于门式钢架的安装流程



地基及预埋件
Foundation & embedded bolts



梁柱吊装
Install the columns
& beams by crane



原杆
install the steel rod



墙面檩条
Install the wall purlins



屋面檩条
install the roof purlin



檩条拉杆
install the purlin rod



檩条隅撑
install the purlin bracing



屋顶瓦的安装
install the roof panels



墙板的安装
Install the wall panels



雨棚的安装
Install the canopy



各包边的安装
install the flashing sheets



完工
finishing

Project in Senegal

塞内加尔项目

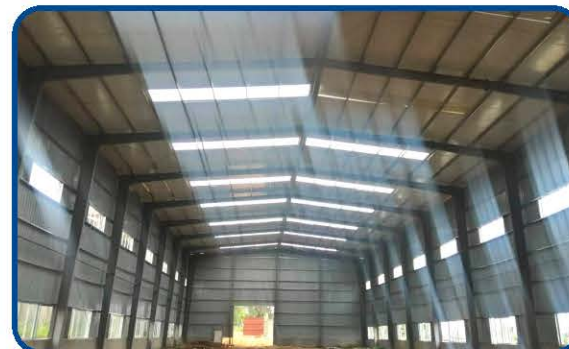


项目介绍

Project in Cameroon

喀麦隆项目

项目介绍



Project in Algeria

阿尔及利亚项目



项目介绍

Project in Angola

安哥拉项目

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Supermarket Project in Cambodia

柬埔寨项目

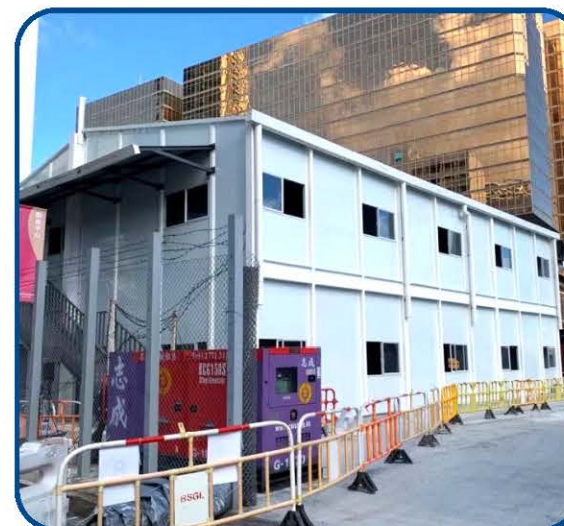


项目介绍

Office Project in Hongkong, China

香港办公室项目

项目介绍



Project in Papua New Guinea

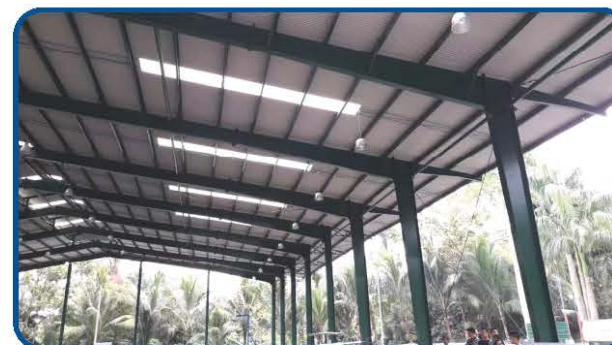
新几内亚项目



项目介绍

Workshop project in Phillipine

菲律宾厂房工程



How to design a workshop you like?

如何定制你想要的一个厂房

What factors should be considered in customizing the prefab house?

1. The local weather condition. We need to know the wind speed, the snow loading (if it's snowing area), the Seismic rating.
2. The size of the land can be for this building.
3. The purpose of the building, like do you need it for labour accommodation, office, or steel frame workshop, etc.

How do we design a factory for you?

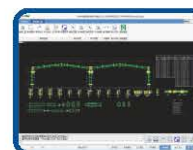
Our excellent design team will design the steel structure workshop warehouse for you. If you give the following information, we will give you a satisfying drawing.

1. Location (where will be built?) ____ country, area
2. Size: Length*width*height ____mm*____mm*____mm
3. wind load (max. Wind speed) ____kn/m², ____km/h, ____m/s
4. snow load (max. Snow height)____kn/m², or ____mm
5. anti-earthquake ____level
6. brick wall needed or not If yes, 1.2m high or 1.5m high
7. thermal insulation: If yes, EPS, fiberglass wool, rock wool, PU sandwich panels will be suggested; If not, the metal steel sheets will be ok. The cost of the latter will be much lower than the former.
8. doors quantity & size ____units, ____ (width)mm* ____ (height)mm
9. windows quantity & size ____units, ____ (width)mm* ____ (height)mm
10. crane needed or not. If yes, ____units, max. Lifting weight ____ tons; Max. Lifting height ____m

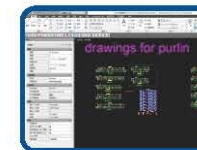
The main software we used:



Auto Cad



PKPM



Tianzheng



Tekla

The temporary building: K house

临建建筑：K式板房

1K = 1820mm 1P = 950mm

Materials: Steel structure and sandwich panel

Features: - Reliable steel structure reliable

- Convenient installation

- Economic and environment-friendly



1K = 1820mm 1P = 950mm

材料: 钢结构和夹芯板

特点: - 稳固的钢结构骨架系统

- 施工便捷

- 环保经济

RELATED PROJECT

相关国外工程

菲律宾项目
Project in Philippines



肯尼亚项目
Project in Kenya



马尔代夫项目
Project in Maldives



马来西亚项目
Project in Malaysia



泰国3层项目
Project in Thailand



泰国项目
Project in Thailand



印度尼西亚项目
Project in Indonesia

Temporary building: T-type prefab house for camp

T式型简易工人房



T式活动房又叫平屋顶型拼板式活动房，选用环保优质材料，室内外均采用彩钢压印夹芯板，安全稳固，耐磨耐用，具有隔热防潮、保温、防水、耐火等性能。

T式活动板房可分为T房单坡系列(T房单层单坡、T房双层单坡、T房三层单坡)、T房双坡系列(T房单层双坡、T房双层单坡、T房三层双坡)、T房四坡系列(T房单层四坡、T房双层四坡、T房三层四坡)。

广泛应用于公路、铁路、建筑等野外作业的临时施工用房；城市市政、商业及其他临时性用房。

Temporary building: T-type prefab house for camp

T式型简易工人房

The T-style prefabricated houses, also known as the flat roof prefab house, is made of environmentally friendly and high-quality materials. The sandwich panels with both sides color steel sheet, which are safe, stable, wear-resistant, and durable. It has properties such as insulation, moisture resistance, insulation, waterproofing, and fire resistance. T-style prefabricated houses can be divided into single slope roof (can be 1 floor, 2 floors & 3 floors), double slope roof (can be 1 floor, 2 floors & 3 floors), four slope roof (can be 1 floor, 2 floors & 3 floors).

T-style prefabricated houses are widely used for temporary buildings in outdoor operations during construction of highways, railways, and other buildings.



The T type house with steel chassis frame

带底座T房

The steel structure of T-house with a base is based on the normal T-house, combined with a steel structure base and cement board as the floor and made it as a hanging house, which is very popular in Southeast Asia and countries around the equator.



带底座钢结构T房是基于T房的基础上，加上钢结构底座和水泥板做为地板，做成一种吊脚楼的形式，在东南亚及赤道周边的国家非常流行。

Project of T-style house

T式房的项目展示



Container House (flat pack type)

打包箱

The packaged container house is a kind of steel frame structure, and the steel is made of cold-formed galvanized material. The structure consists of top frame components, corner column systems, and bottom frame components.

Each system module is manufactured in the factory and assembled on-site. Due to one standard house as the basic unit, the packaged container house has strong mobility and variability, multi usage functions, and is widely used in offices, dormitories, meeting rooms, bathrooms, kitchens, access control, and so on. Multifarious application fields can be used for engineering campsites, commercial buildings, public utility buildings, military campsites, tourism, municipal temporary buildings, disaster relief resettlement buildings, temporary hospital isolation rooms, and so on.



打包箱式房是钢框架结构，钢材是冷弯镀锌材质。结构由顶框组件、角柱系统以及底框组件组成。

各个系统模块在工厂制造完成，现场由各个系统模块装配完成。由于打包箱式房是以标准箱为基本单元，具有非常强的移动性和多变性，使用功能多样化，被广泛的应用于办公、宿舍、会议室、卫浴、厨房、门禁等等。应用领域多元化，可用于工程营地、商用房、公共事业用房、军事营地、旅游、市政临时用房、救灾安置房、临时医院隔离房等等。

Detachable container house (A)

快拼箱款式A

Detachable container house is a type of container house. The quick consolidation box is composed of a frame and wall panel combination, without welding, and is completely fixed with screws. Commonly used in construction sites as worker dormitories, it is sturdy and durable, with fast disassembly and easy transportation.

It has advantages of convenient transportation , stable and firm, affordable price, good sealing performance and widely application.



快拼式集装箱，又称“快拼箱”，是集装箱活动房的一种。快拼箱是由框架和墙板组合而成的，不用焊接，完全采用螺丝固定。常见于建筑工地作为工人宿舍，坚固耐用，拆装快捷、运输方便。

其拥有运输方便、稳定牢固、价格实惠、密封性能好及用途广泛等优点。

Detachable container house (B)

快拼箱款式B

Compared to the Detachable container house (A), this type of container house adopts a different steel frame design and has better waterproof performance. But the price is relatively higher.



和快拼箱A相比，此款箱子采用的框架设计不同，防水性能会更好一些。但价格相对更高一点。

Foldable container house

折叠箱

Folding container houses use a combination of screws and hinges to fold a house into a small box. The folding box has the function of being a small sparrow with all five organs. The doors, windows, and lighting materials have been installed, and with the help of a crane, one house can be installed in one hour upon arrival at the site. It can quickly solve housing problems on construction sites.

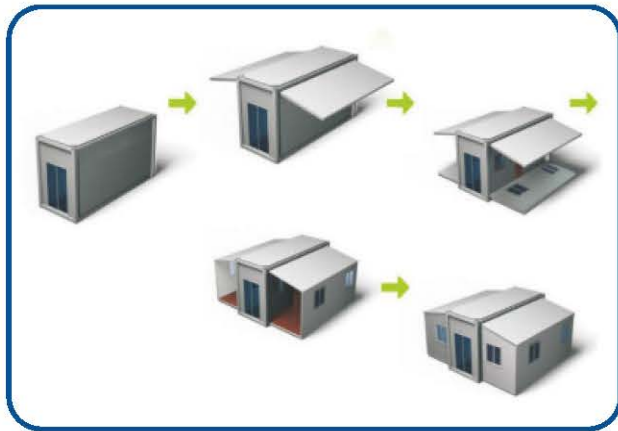


折叠式集装箱房是采用螺丝与合页的结合使用，把一个房子折叠成一个小箱子。折叠箱具有麻雀虽小，五脏俱全的功能，已经装好了门，窗和照明材料，到了现场后借助吊机的帮助，可实现1个小时即安装1个房子。可快速解决工地上的住房问题。

Expandant container house

扩展箱

The expansion container house is a "1 TO 3" design based on the container house technology, such design meets the installation needs and saves shipping cost for the overseas clients. It is a very popular house design in recent years. It has characteristics of fast installation, convenient movement, reasonable structure, and durability.



扩展箱是基于集装箱房的技术，为了配合出口客人对安装的需求及海运费的节约而设计的一变三的设计。是近几年非常流行的一个房子设计。具有安装快速、移动方便、结构合理、牢固耐用的特点。

Materials option for cladding

围护材料

EPS sandwich panel (polystyrene)

Use for: roof and wall.

The width of the roof is 1050mm. The width of the wall is 950mm or 1150mm.

Thickness of the panels are: 50mm, 75mm, 100mm.

Feature: Economic price, largely sing, water proofing, sound proofing, hot proofing.

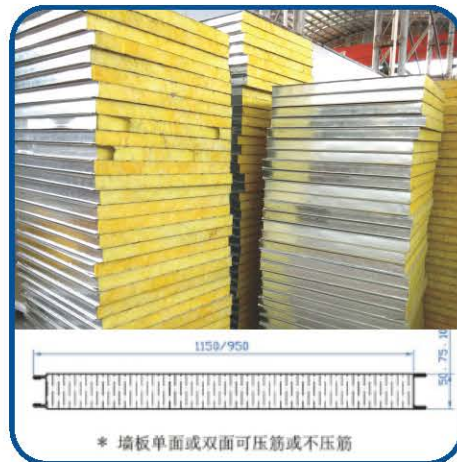
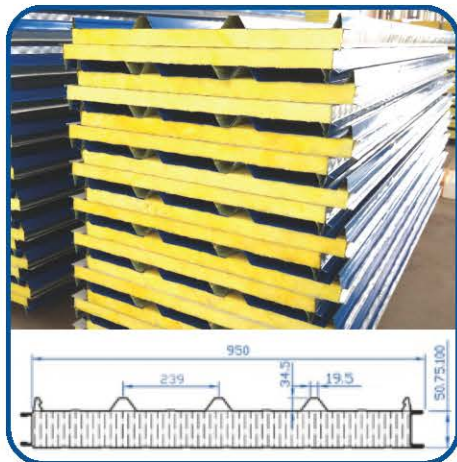
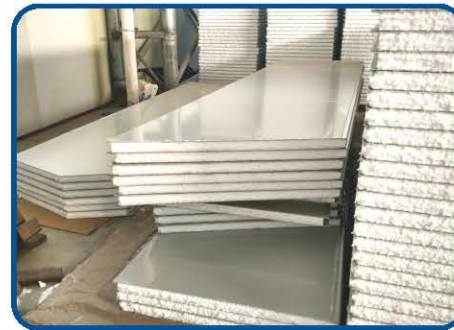
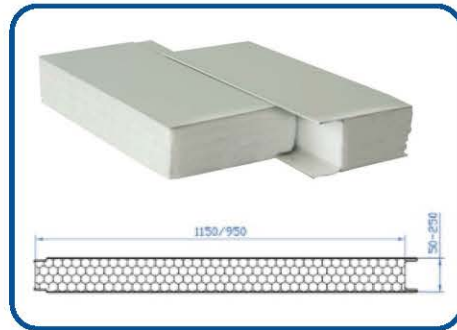
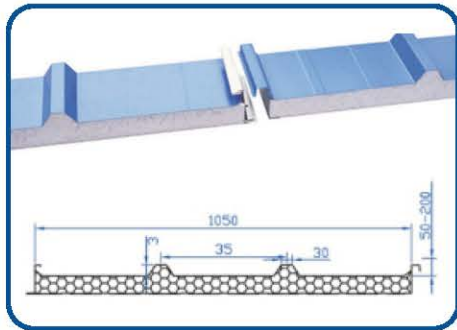
EPS 彩钢夹芯板 (泡沫)

用途: 屋面, 墙面

屋面尺寸: 长*1050*50/75/100mm

墙面尺寸: 长*1150*50/75/100mm

特点: 价格优惠, 用途广泛, 集防水、隔音、隔热性能为一体。



Glass wool sandwich panel

Use for: roof and wall.

Size for roof: L*950*50,75,100mm

Size for wall: L*1150 or 950*50,75,100mm

Feature: Strong in hot, fire proofing, sound proofing.

Professional material for fire proofing.

玻璃棉夹芯板

用途: 屋面, 墙面

屋面尺寸: 长*950*50,75,100mm

墙面尺寸: 长*1150 或 950*50,75,100mm

特点: 价格经济实惠, 集防火, 隔音, 隔热性能为一体。具有专业防火材料。

Materials option for cladding

围护材料

Rock wool sandwich panel

Use for: roof and wall.

Size for roof: L*950*50,75,100mm

Size for wall: L*1150 or 950*50,75,100mm

Feature: Strong in hot, fire proofing, sound proofing. Professional material for fire.

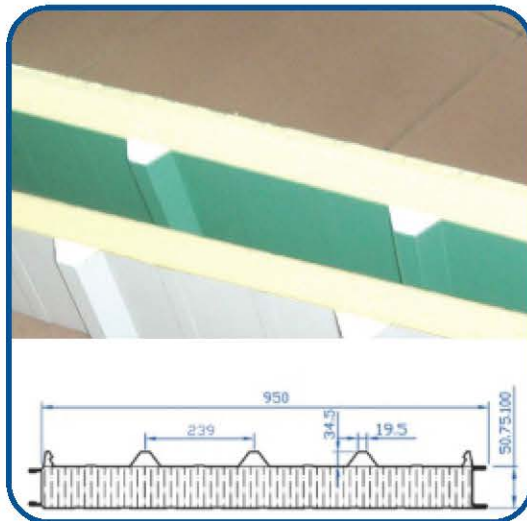
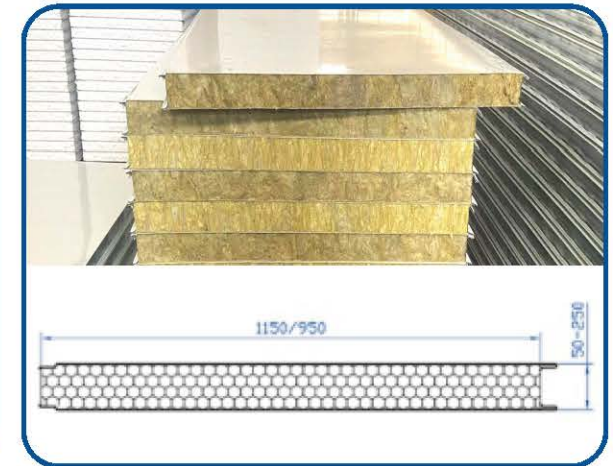
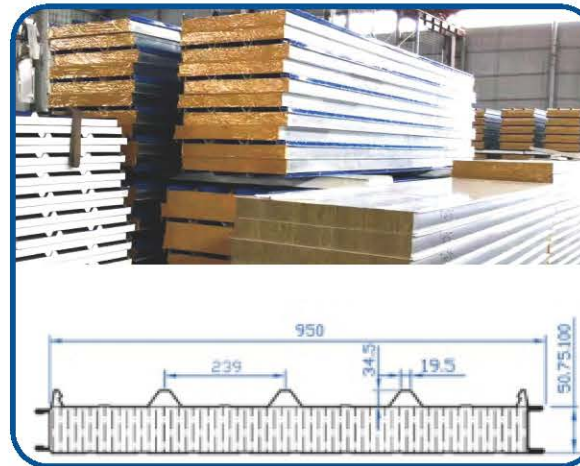
岩棉彩钢夹芯板

用途：屋面，墙面。

屋面尺寸：长*950*50/75/100mm

墙面尺寸：长*1150 或 950*50/75/100mm

特点：防火、隔热，隔音性能强。专业防火材料。



PU sandwich panel (polyurethane)

Use for: roof and wall.

Size for roof: L*950*50,75,100mm

Size for wall: L*1150*50,75,100mm

Feature: Strong in hot, sound proofing, heat & cold keeping. The professional material for cold storage.

PU 彩钢夹芯板 (聚氨酯)

用途：屋面，墙面。

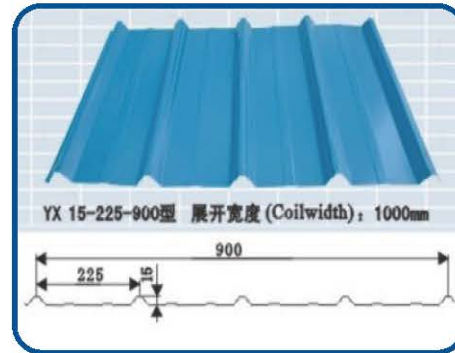
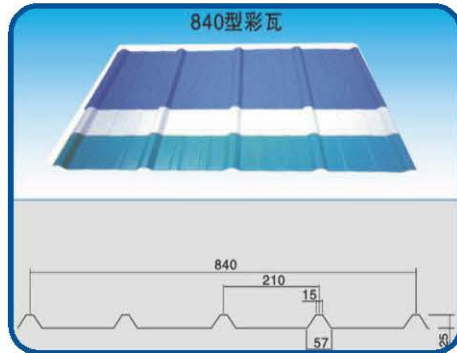
屋面尺寸：长*950*50/75/100mm

墙面尺寸：长*1150*50/75/100mm

特点：隔音，隔热，保温性能强，专业冷库建筑物材料。

Materials option for cladding

围护材料



Corrugated steel roof sheet

This material is for the cladding of workshop or warehouse. The advantage of this material is taking very small space and can save much cost on the transportation. The common using types are 840mm & 900mm.

单彩瓦

这种材料多用于仓库或厂房的围护材料，此材料的优点是所占体积很小，可以节省很多用柜量。常用规格为840型和900型。

Remark: The above cladding skin thickness is: 0.286mm, 0.376mm, 0.426mm, 0.476mm, or other thickness as discussed.

The color of the surface material can be: blue, red, ivory white, grey white and green. DIY color is acceptable when the quantity is more than 5000 sq.m.

以上5款围护材料厚度分别有: 0.326mm, 0.376mm, 0.426mm, 0.476mm或其它定制厚度。

围护材料的表面颜色为: 蓝色、红色、象牙白、灰白、荷叶绿。如果数量达到5000平方以上, 可以定制颜色。

Steel decking

Steel decking is a pressed steel plate that supports the concrete on the floor, also known as profiled steel plate or steel support plate.

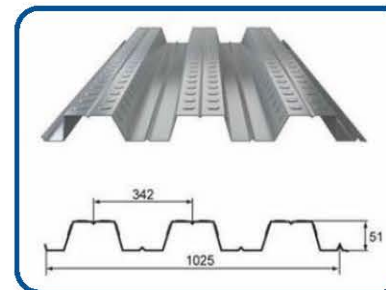
It has the following characteristics:

1. The steel decking is used in high-rise buildings to replace the original template.
2. Good energy-saving, good insulation performance, and good seismic performance.
3. The construction of the steel decking is fast, labor-saving, and good effective.

楼承板

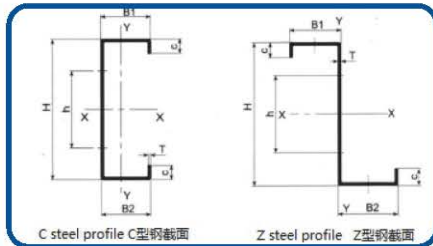
楼承板是支撑楼面混凝土的压制成型的钢板, 又被称为压型钢板、钢承板。具有以下特点:

1. 楼承板用在多高层建筑中代替原始模板使用。
2. 节能效果好, 保温性能好, 抗震性能好。
3. 楼承板施工快、省工时、效果好。



C/Z purlin

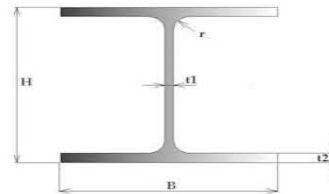
C型/Z型檩条



C型檩条断面尺寸 Section size of C-type purlin						
型号 size	断面尺寸 Section Size (mm)					孔距 Holes spacing (mm)
	H	B1	B2	C	T	
C80	80	40	40	15	1.0-2.0	40 孔距可调 Adjustable hole spacing
C100	100	50	50	20	2.0-3.0	
C120	120	60	60	20	2.0-3.0	
C140	140	60	60	20	2.0-3.0	
C160	160	60	60	20	2.0-3.0	
C180	180	60	60	20	2.0-3.0	
C200	200	60	60	20	2.0-3.0	
C220	220	70	60	20	2.0-3.0	
C250	250	70	70	20	2.0-3.0	



Z型檩条断面尺寸 Section size of Z-type purlin						
型号 size	断面尺寸 Section Size (mm)					孔距 Holes spacing (mm)
	H	B1	B2	C	T	
Z100	100	55	50	20	2.0-3.0	40 孔距可调 Adjustable hole spacing
Z120	120	55	50	20	2.0-3.0	
Z140	140	55	50	20	2.0-3.0	
Z160	160	67	61	20	2.0-3.0	
Z180	180	67	61	20	2.0-3.0	
Z180	180	67	61	20	2.0-3.0	
Z200	200	67	61	20	2.0-3.0	
Z250	250	78	72	20	2.0-3.0	
Z280	280	78	72	20	2.0-3.0	
Z300	300	78	72	20	2.0-3.0	



category 类别	Size (HxW)	截面尺寸 sectional dimension(mm)				Cross-sectional area c m ²	weight kg/m	
		HxB	T ₁	T ₂	r			
HW Wide flange H-shaped steel 宽翼缘H型钢	100×100	100×100	6	8	10	21.9	17.2	
	125×125	125×125	6.5	9	10	30.31	23.8	
	150×150	150×150	7	10	13	40.55	31.9	
	175×175	175×175	7.5	11	13	51.43	40.4	
	200×200	200×200	8	12	16	64.28	50.5	
		#200×204	12	12	16	72.28	56.7	
		250×250	9	14	16	92.18	72.4	
	250×250	250×255	14	14	16	104.7	82.2	
		#294×302	12	12	20	108.3	85	
		300×300	10	15	20	120.4	94.5	
	300×300	300×305	15	15	20	135.4	106	
		#344×348	10	18	20	146	115	
		350×350	12	19	20	173.9	137	
	400×400	#388×402	15	15	24	179.2	141	
		#394×398	11	18	24	187.6	147	
		400×400	13	21	24	219.5	172	
		#400×408	21	21	24	251.5	197	
		#414×405	18	28	24	296.2	233	
		#428×407	20	35	24	381.4	284	
		*458×417	30	50	24	529.3	415	
*498×432		45	70	24	770.8	605		
HM Middle flange H-shaped steel 中翼缘H型钢		150×100	148×100	6	9	13	27.25	21.4
		200×150	194×150	6	9	16	39.76	31.2
	250×175	244×175	7	11	18	56.24	44.1	
	300×200	294×200	8	12	20	73.03	57.3	
	350×250	340×250	9	14	20	101.5	79.7	
	400×300	390×300	10	16	24	136.7	107	
	450×300	440×300	11	18	24	157.4	124	
	500×300	482×300	11	15	28	146.4	115	
		488×300	11	18	28	164.4	129	
	600×300	582×300	12	17	28	174.5	137	
		588×300	12	20	28	192.5	151	
		#594×302	14	23	28	222.4	175	

The size of hot rolled H steel

热轧H型钢(GB/T11263-1998)

category 类别	Size (HxW)	截面尺寸 sectional dimension(mm)				Cross-sectional area c m ²	weight kg/m
		HxB	T ₁	T ₂	r		
HN Narrow flange H-shaped steel 窄翼缘H型钢	100×50	100×50	5	7	10	12.16	9.54
	126×60	125×60	6	8	10	17.01	13.3
	150×75	150×75	5	7	10	18.16	14.3
	175×90	175×90	5	8	10	23.21	18.2
	200×100	198×99	4.5	7	13	23.59	18.5
		200×100	5.5	8	13	27.57	21.7
	250×125	248×124	5	8	13	32.89	25.8
		250×125	6	9	13	37.87	29.7
	300×150	298×149	5.5	8	16	41.55	32.6
		300×150	6.5	9	16	47.53	37.3
	350×175	346×174	6	9	18	53.19	41.8
		350×175	7	11	16	63.66	50
	#400×150	#400×150	8	13	16	71.12	55.8
	400×200	396×199	7	11	16	72.16	56.7
		400×200	8	13	16	84.12	66
#450×150	#450×150	9	14	20	83.41	65.5	
	446×199	8	12	20	84.95	66.7	
450×200	450×200	9	14	20	97.41	76.5	
	#500×150	#500×150	10	16	20	98.23	77.1
500×200	496×199	9	14	20	101.3	79.5	
	500×200	10	16	20	114.2	89.6	
	#506×201	11	19	20	131.3	103	
600×200	596×199	10	15	24	121.2	95.1	
	600×200	11	17	24	135.2	106	
	#608×201	12	20	24	153.3	120	
700×300	#692×300	13	20	28	211.5	166	
	700×300	13	24	28	235.5	185	
800×300	792×300	14	22	28	243.4	191	
	800×300	14	26	28	267.4	210	
#900×300	*890×299	15	23	28	270.9	213	
	*900×300	16	28	28	309.8	243	
	*912×302	18	34	28	364	286	



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