

Hebei Weizhenheng Modular House Tech Co., Ltd
河北威正恒集成房屋科技有限公司

Heilongjiang Weizhenheng Steel Structure Engineering Co., Ltd
黑龙江威正恒建设集团有限公司

Hebei Weizhenheng Animal Husbandry Machinery Equipment Co.,Ltd
河北威正恒畜牧机械装备有限责任公司

Hebei Weizhenheng Steel Structure Engineering Co.,Ltd
河北威正恒钢结构工程有限公司

Changchun Weizhenheng Green Building Tech Co., Ltd.
长春威正恒绿建科技有限公司

Liaoning Tianying Steel Structure Engineering Co., Ltd.
沈阳天鹰钢结构工程有限公司

Jilin Weizhenheng Construction Engineering Co.,Ltd
吉林威正恒建设工程有限公司

Heilongjiang Weizhenheng Bridge Equipment Manufacturing Co.,Ltd
黑龙江威正恒桥梁装备制造有限公司

Inner Mongolia Weizhenheng Steel Structure Co., Ltd
内蒙古威正恒钢结构有限公司

Heilongjiang Longtai Energy Conservation Building Material Tech Co., Ltd
黑龙江龙泰节能建材科技有限公司

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W
Z
H

WZH 威正恒钢结构建筑体系

STEEL STRUCTURE BUILDING SYSTEM

Portal Steel Structure
Grid and Frame Steel Structure
Heavy Steel Structure
Steel Structure Bridge



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 New Business

ABOUT US

Established in 2001, Weizhengheng Group covers an area of 48,000sqm and has 9 subsidiary companies, more than 1000 employees and over 10 years of export experience. We have been awarded ISO9001-2000, CE and SGS certificates. Our daily capacity can reach 5,000 square meters and this is how we manage it.

Our company is mainly engaged in the production of various color steel coils, corrugated steel sheets and sandwich panel, as well as design, manufacture and installation of steel structure warehouse/workshop, poultry farm, cold room and prefabricated houses.

The design and development of light & heavy steel structure, building enclosure, thermal insulation, water heating systems and related construction equipment are the core technology. "We create quality, you enjoy life" is our business philosophy.

Weizhengheng Group has cultivated a number of high-quality professionals and on-site installation team. From the concept of the project, design to production, construction and installation, we always focus on customer's needs and provide the most scientific, reasonable and effective solution.



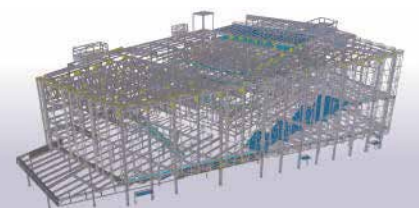
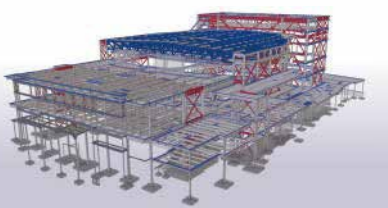
Certification



Production Line



Design Ability



OUR COOPERATIVE ENTERPRISES



BOSCO STEEL GROUP
博思格钢铁集团



BENXI STEEL GROUP
本钢集团



YIEH PHUI (CHINA)
烨辉中国



COVEC
中国海外工程



BAO STEEL GROUP
宝钢集团



GREE GROUP
格力空调



CHINA RAILWAY CONSTRUCTION
中国铁建



CRRC CORPORATION LIMITED
中国中车

Manufacturing And

Customer Service Capabilities



先进的制造能力

卓越的生产现场管理
一流的生产设备
先进的生产技术
高素质的生产团队
ISO9001质量认证体系
专业的现场加工服务

卓越的TPM生产管理模式

行业内率先导入，打造景观工厂
零化危险要因，打造零伤害管理体制
培养设备专家级操作、保全人员
SOP标准化生产服务流程
2014年挑战世界优秀奖

高效的客户服务能力

便捷的一体化服务模式
高效快捷的交货期
安全的货物运输保证
高品质的产品包装服务

Advanced manufacturing capabilities

Excellent production site management
First-class production technology
Advanced production technology
High-quality production team
ISO9001 quality certification system
Professional on-site processing services

Excellent TPM production management

The industry's first enterprise, building garden-style factory
Zero disaster management system
Expert-level training equipment operators and maintenance workers
SOP-Standard operating procedures
2014 Challenge World Award of Excellence

Efficient customer service

Convenient integration of service delivery model
Highly efficient and quick delivery
Safe transport of goods
High quality product packing service

Technical Support And

Project Management Capabilities



方案设计和技术指导

项目咨询建议方案
个性化的设计方案
荷载及结构计算书
施工安装图
细部处理设计

专业的项目管理

全面项目管理
施工现场协调
安装指导
安装质量控制
现场安全监督
售后跟踪服务

Program design and technical guidance

Project advice
Personalized design programs
Load and structural calculations
Construction and installation diagram
Detail treatment design

Professional project management

Comprehensive project management
Construction site coordination
Installation instructions
Installation quality control
On-site safety supervision
After-sales service tracking

Our company is mainly engaged in the design, manufacture and installation of steel structure warehouse/workshop, poultry farm, industrial coldroom and heavy steel structure like bridge, high rise steel structure hotel, resident and school, etc.

WZH group has a team of professional technical and project management workers.

From the initial project design to project management, our professional technical staff are always with you to give the best architectural solution.

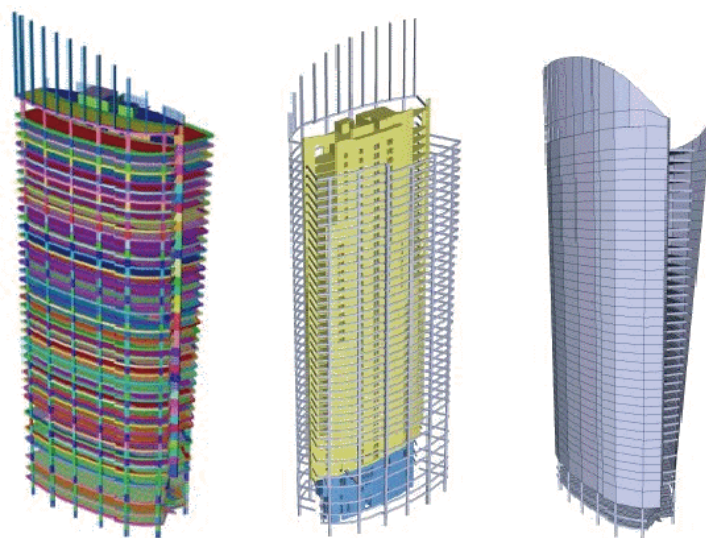
High-Rise Frame Structure



Advantages of Frame Structure system

1. Good seismic performance,
2. Fast construction and light weight
3. Low basic cost and environmental protection
4. Industrial production

The construction industry in China is gaining more and more attention and has a good development prospect.



Floors and columns

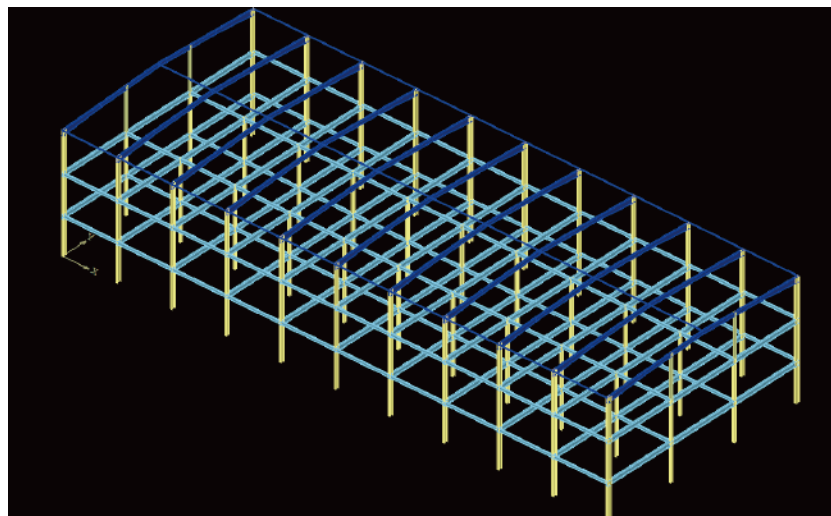
Internal core

External facade

WZH frame structure system consists of steel columns, steel beams, joints and supports. The types can be divided into column system, pure frame system and frame support system. Our design team can also design according to customers' requirements.



Multi-Story Frame Structure System



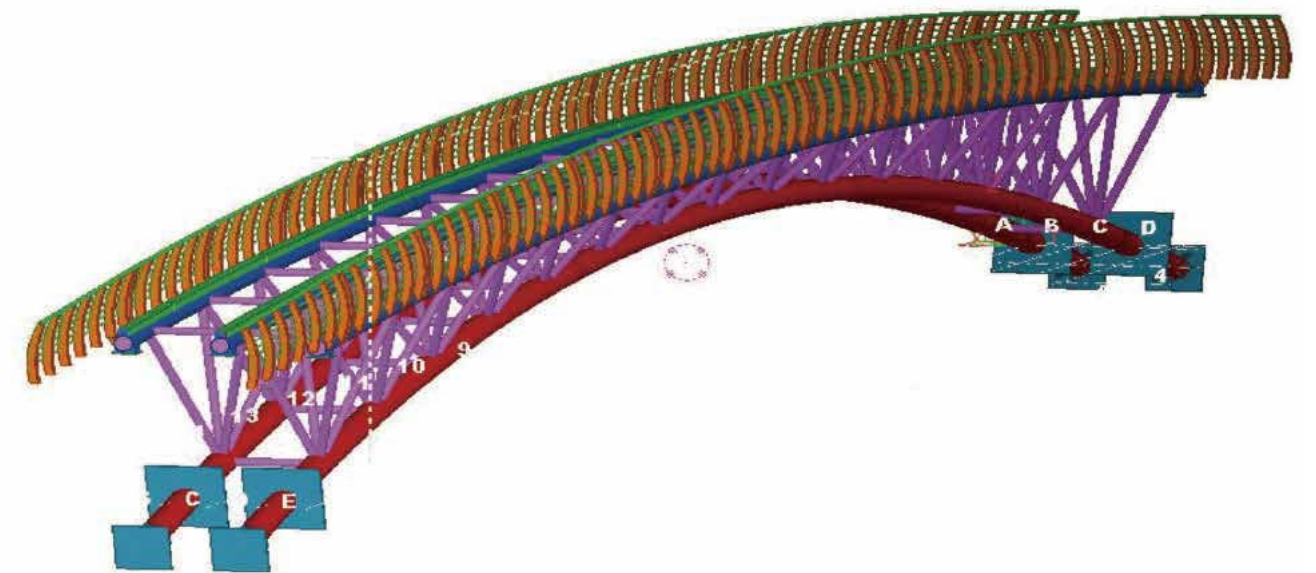
Multi-story frame structure is a new type of building structure system, it's connected with H,C,Z,U steel components, combined into the main body structure; With all sorts of plank as the roof and wall, match with artifacts, door to wait to form a complete building system.

Frame structure is mainly used in school, hospital, shopping mall, residential and exhibition hall, etc.

Steel Strucutre Bridge System



Steel is widely used around the world for the construction of bridges. It is a versatile and effective material that provides efficient and sustainable solutions. Steel has long been recognized as the economic option for a range of bridges. It dominates the markets for long span bridges, railway bridges, footbridges, and medium span highway bridges.



Grid Structure System



Gird structure is constituted by pipe, tube and steel section welded. It's suitable to big span buildings, like airports, storages, stadiums, stations, etc. The gird structure can span 150m.

Features: plane trusses are cross-combined.

Advantages: Multi-directional force structure, large span, high rigidity and good stability.

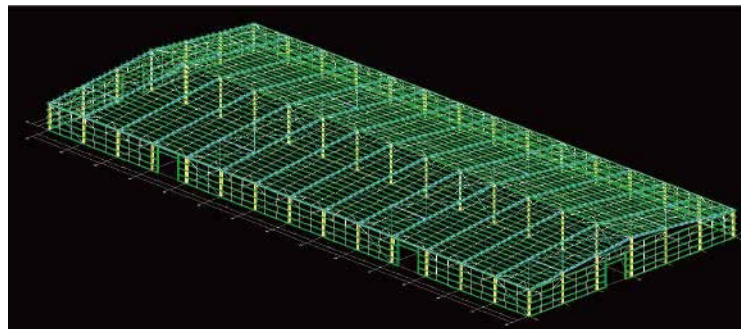
Material: generally steel structure (Q235B, Q345B).

Usage: medium and small span industrial and civil buildings, large-span stadiums, exhibition halls, etc.



Portal Frame Steel Structure

Warehouse/Workshop

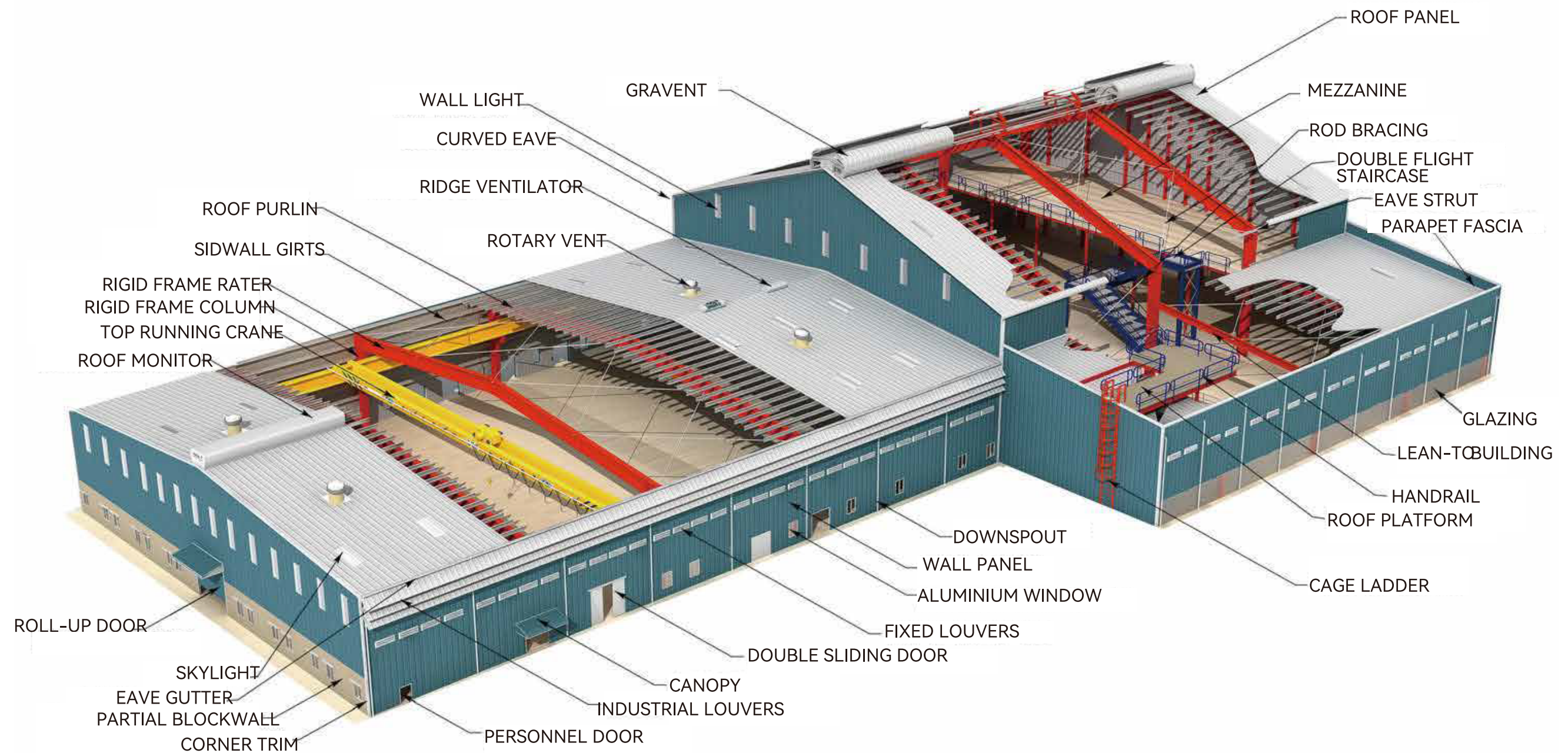


Light steel structure building is a new type of building structure system, which is formed linking up H section, Z section, C section or U section steel components, roof and walls using a variety of panels and other components such as windows, doors, cranes, etc. Light steel structure building is widely used as warehouses, workshops, large factories...etc.

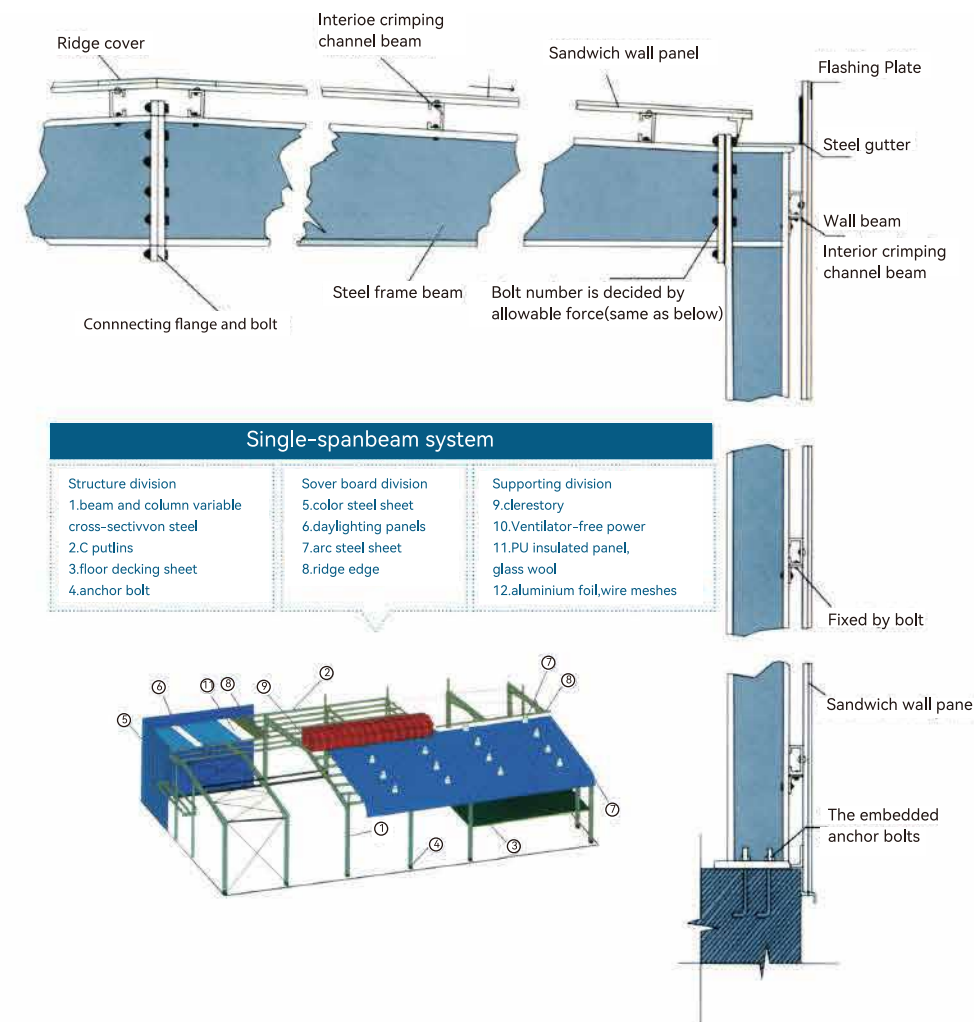
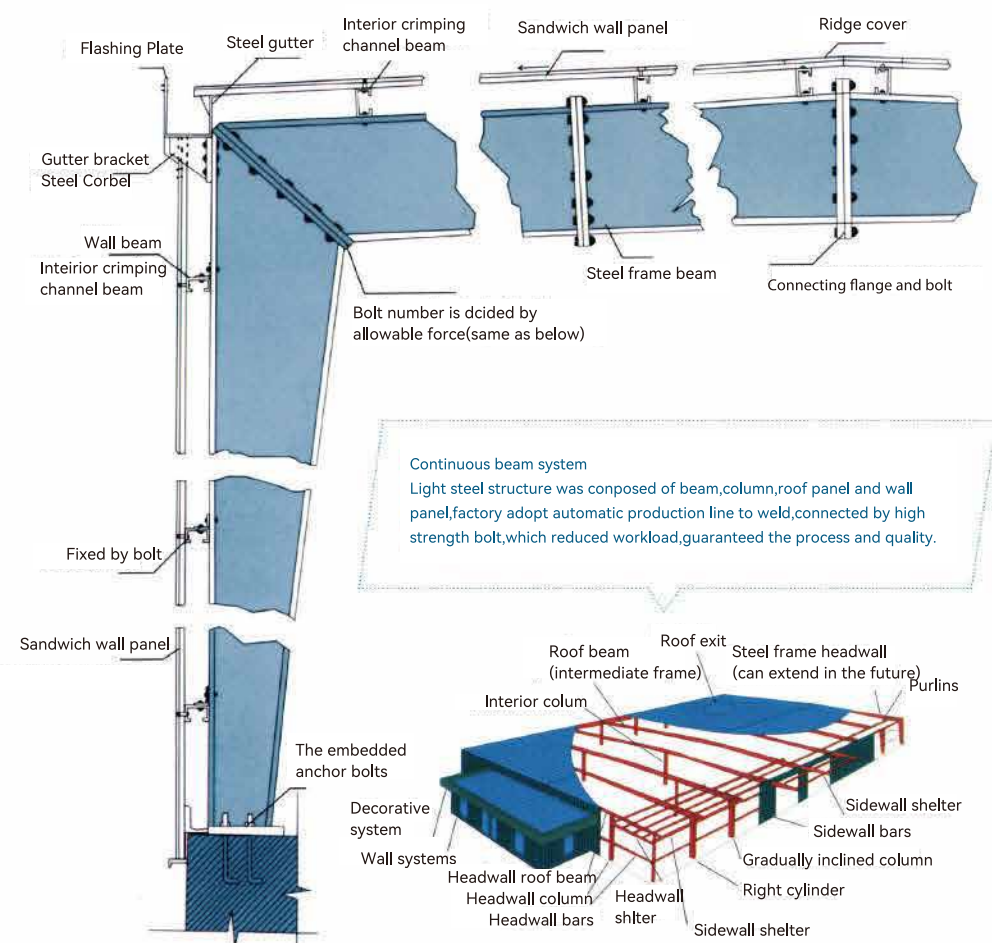


Portal Frame Steel Structure

Warehouse/Workshop



Portal Frame Structure Series



Structure reliable,anti-seismic,mothproof, antiglaming,it may be said the warranty of eternal quality.It is very easilyto easily to extend, the partiton in the house can be changed at will,even can be moved integrally;No waste in construction,66% and above of materials can be reused when removing.

Prefabricated metal construction is by its special advantages replacing timber structure,post and panel structure,even partially reinforced concrete structure,its development is the important measure of protecting forest andentironment.

According to the western economists analysis,in the following 50 years it will be the puberty of the development of prefabricated metal structure construction,in 10 years our country's metal construction will increase progressively by 20%.

The permanence of Metal construction shows as below several points:

Prefabricated light steel structure technology has broken through the difficulty of diversity and architectural aesthetics,not only widely applying to large spaceand span publics and industrial construction,but also by its comfortable and spacious to have satisfired the increasing needs of commercial and resifentialmarket which has proved by many developed Countries to be a shortcut of construction industry.

Due to adopt computer optimal design and industrialized production,metal constructionhas realized the perfect match of functionality.The steel volumes of big metal constructionis equal to or lower than that of Reinforced Concrete const;its cost is lower than traditonalconstruction by 30%;it uses assemblage to make,work efficiency is high,construction timeis shorter by a half or above,maintenance charge is very low.

Material

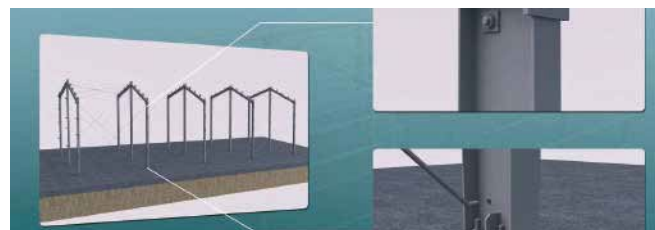
Main steel Frame

H section steel
Q345 steel 8mm/10mm
Welding
Automatic Submerged Arc Welding
Rust removing
Sand blasting
Surface processing
Alkyd Paint or galvanized
Intensive bolt
Grade 10.9



Supporting System

Angle
I50×4,Steel Q235,Process and painting
Cross support
φ20,Steel Q235,Process and painting
Belt bar
φ89*3 Steel Q235 Process and painting
Small brace
φ12,Steel Q235 Process and painting
Ordinary bolt
Galvanized bolt



Axial fan

Axial fan



Roof

Purlin
C160*60*2.5,Steel Q235,painting and Galvanized
Out-roof panel
Sandwich panel or corrugated steel plate
Transparent Lighting panel
6mm thick PVC
Accessories
Glass glue,self-tapping screw etc.
Edge cover
Made of color steel sheet thickness 0.5mm
Gutter
Made of color steel sheet thickness 0.8mm
Rainspout
φ110PVC



Wall

Purlin
C160*60*2.5,steel Q235,Paint
Wall
sandwich panel or corrugated steel plate
Accessories
Glass cement,self-tapping Screwetc
Edge cover
Made of color steel sheet thickness 0.5mm



Door & window

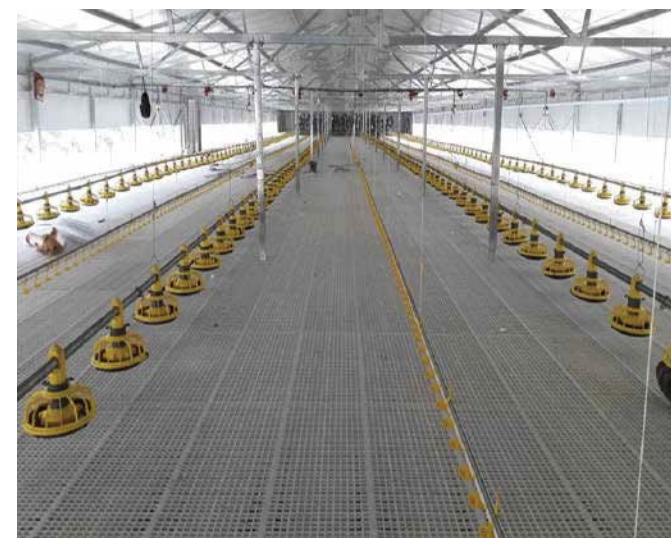
Rolling door/sliding door PVC/alu/steel window

Crame

With or without crame in 5 tons to 20 tons



Poultry Farm House



Poultry farm house is a new type of steel building which is very popular all over the world, it is widely used to feed broiler, layer, duck, etc. It is easy transport, installation, low investment, and environment friendly.

Because of different countries have distinct climate, market and habits requirements. Generally the width of broiler house is 12m-16m, length is less than 150m, height is 2.1m-3m (for free range) or 2.5m-4.5m(in A type cage or H type)

Our steel structure design poultry farm can be built with different construction methods, close type (sandwich panel for wall and roof, also you can choose the ceiling type) and open type(sandwich panel or steel sheet& aluminum bubble foil for roof, no wall or wire mesh&curtain for wall).

Also you can give us your thoughts, we will help you to realize it.

What is more ,we can supply the complete equipment,

It can ensure the rationality of design and create greater economic benefits for you.

Poultry Equipment



As a chicken producer, your concern for healthy birds and eggs, excellent feed conversions and flock uniformity is highest priority. We've delivered a consistent stream of the most advanced feeding technologies in the industry. From start to finish, producers have entrusted WZH to provide solutions resulting in lower waste and higher profits.

The WZH Poultry system includes:

- Feeding systems for optimized feed conversions
- Feed tanks and fill systems
- Digital control units
- Nipple watering system
- Environmental control systems
- Incubation equipment
- Other accessories



FLOOR



INCUBATOR



HEATER



SILO



FEEDING PAN



NIPPLE DRINKER



COOLING PAD



EXHANT FAN



VENTILATION WINDOW



Prefab Steel Cow Farm

Prefab steel cow farm building is a kind of light steel structure building in cow farm, the frame of the building consists of H section steel columns, H section steel beams and C or Z section purlins. Generally there are two types of cow house according to local environment and customer requirement, one is open type, the other is close type. Usually dairy cow house is close type which has whole wall and roof, some windows on wall. this type of cow house is less affected by the environment. According to the width of cow house, you can feed one row or two rows or multiply rows cow.



Equipment For Cow Shed



We also can supply the equipments for cow shed, like cow free stalls, headlock and exhaust fan, then to provide more workable project for you.



Cow Free Stalls



Cattle Headlock



Poultry Exhaust Fan

Wall And Roof Series

Pre-Painted Corrugation Steel Sheet

Thickness(mm)	0.15mm-1.2mm
Width before corrugation	762mm-1250mm
Width after corrugation	665mm-1090mm
Length	1800mm-4000mm
Basic Zinc/Alu-Zinc Coating	Z60-Z180/AZ50-AZ275
Hardness	Normal Soft/Semi Hard/Full Hard
Pre-Paint Coating	12µm-25µm
Paint Material	PE/PVDF
Color	Any Color



Galvanized/Galvaume Corrugation Steel Sheet

Thickness(mm)	0.14mm-1.2mm
Width before corrugation	762mm-1250mm
Width after corrugation	665mm-1090mm
Length	1800mm-4000mm
Basic Zinc/Alu-Zinc Coating	Z60-Z180/AZ50-AZ275
Hardness	Normal Soft/Semi Hard/Full Hard
Galvanized Sheet Spangle	None Spangle/Regular Spangle/Big Spangle
Galvalume Sheet Surface Treatment	Anti-finger/None Anti-finger



YX25-207-828(Antique tiles)



Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance	Step Distance
0.15mm-1.2mm	828mm	960mm	25mm	207mm	4Waves	200mm-300mm

YX25-210-840(Glazed tile)



Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance	Step Distance
0.15mm-1.2mm	840mm	910mm	25mm	210mm	4Waves	200mm-300mm

YX27-190-750/950



Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance	Step Distance
0.15mm-1.2mm	750mm	900mm	27mm	190mm	4Waves	200mm-300mm

Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance	Step Distance
0.15mm-1.2mm	950mm	1000mm	27mm	190mm	5Waves	200mm-300mm

YX25-210-840/1050



Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance
0.15mm-1.2mm	840mm	910mm	25mm	210mm	4Waves

Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance
0.15mm-1.2mm	1050mm	1100mm	25mm	210mm	5Waves

YX40-320-960/YX38-320-980



Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance
0.15mm-1.2mm	960mm	1050mm	40mm	320mm	2-3Waves

Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance
0.15mm-1.2mm	980mm	1050mm	38mm	320mm	2-3Waves

YX10-130-910(V-910)

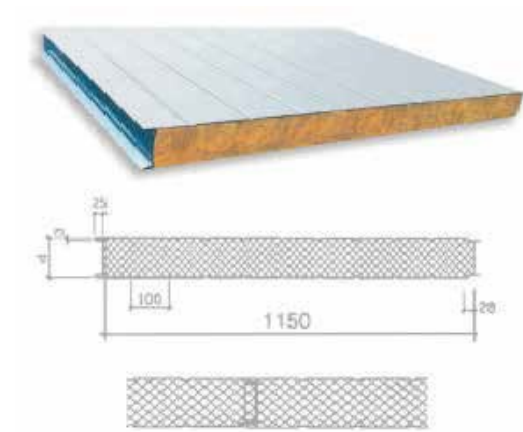


Thickness	Effective Width	Total Width	Wave Hight	Wave	Wave Distance
0.15mm-1.2mm	910mm	950mm	10mm	130mm	7Waves

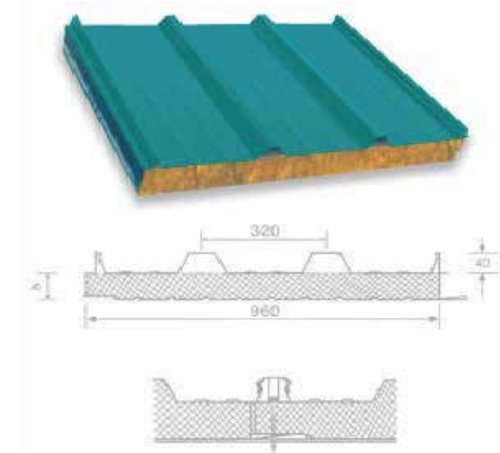
YX35-125-750(V-125) YX15-225-900(V-900)



ROCK WOOL SANDWICH WALL PANEL



ROCK WOOL SANDWICH ROOF PANEL



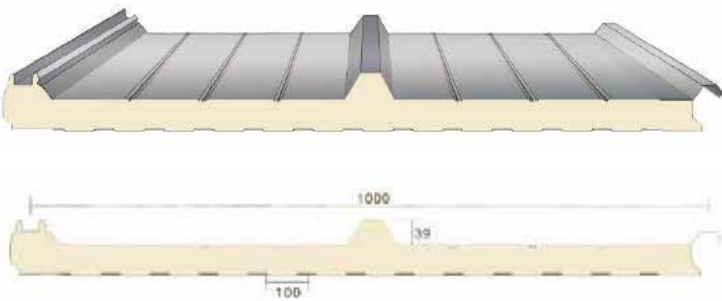
Specitication Roof And Wall Panel

Thickness(mm)	75	100	120	150	200
Width(mm)	Wall width---950/1150			Roof width---960	
Length(mm)	Arbitrary Length,according to the transportation generally less than 12m				

Heat Transfer Coefficient

Thickness(mm)	50	75	100	120	150	200
Heat transfer coefficient(w/m²k)	0.749	0.530	0.411	0.327	0.268	0.230
Kcao/m²-h-c	0.644	0.456	0.353	0.281	0.230	0.230

PU SANDWICH WALL PANEL

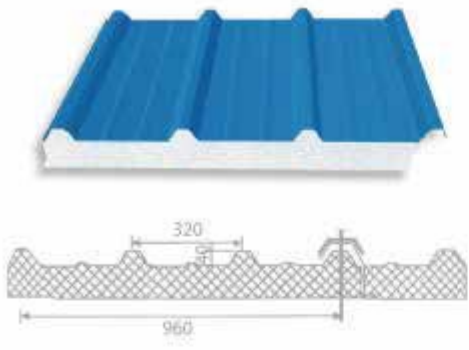


PU SANDWICH WALL PANEL

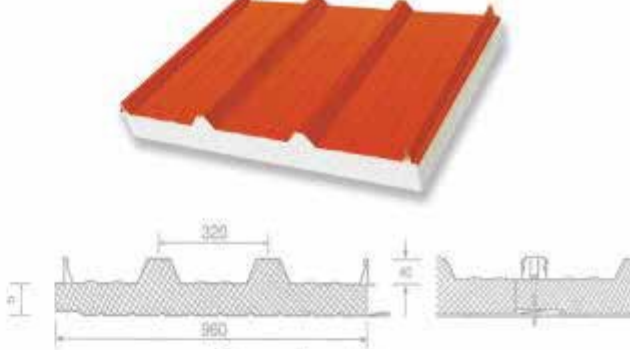


EPS SANDWICH PANELS

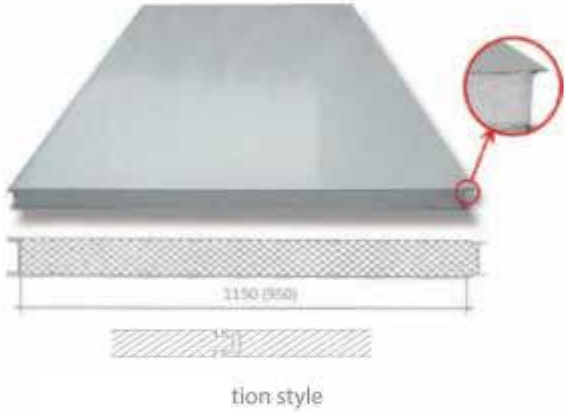
YX40-320-960 (Over Lap Roof Panel)



YX40-320-960 (Joint Hidden Roof Panel)



Cleanroom Panel

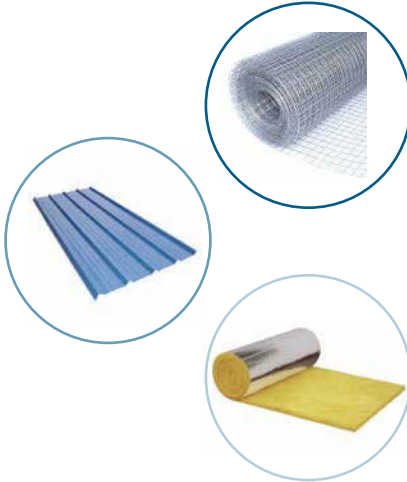
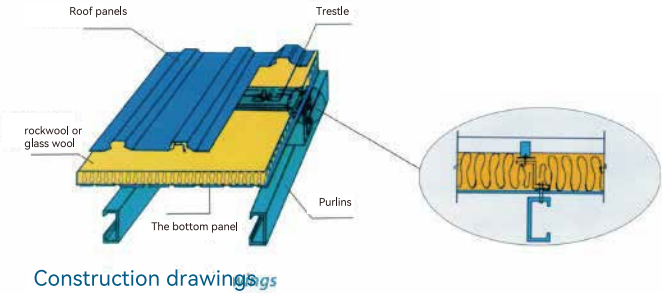


EPS Sandwich Roof Panel

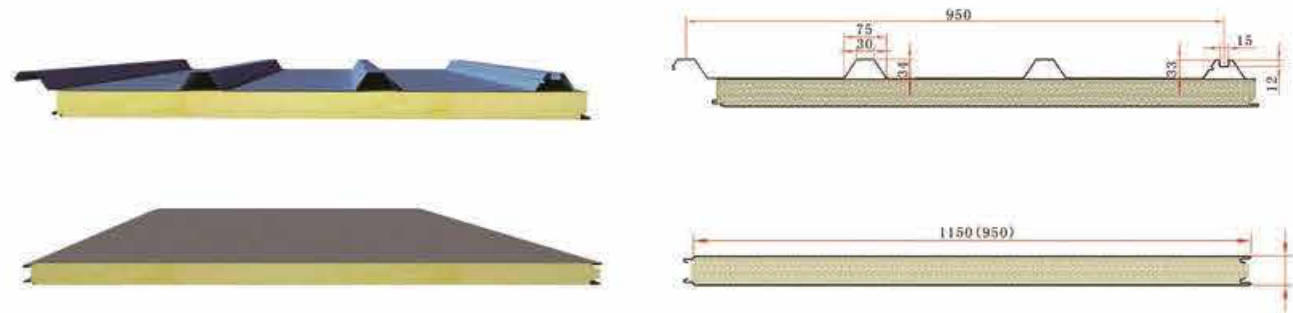


APPLICATION MAKING SANDWICH PANEL IN WORKSITE

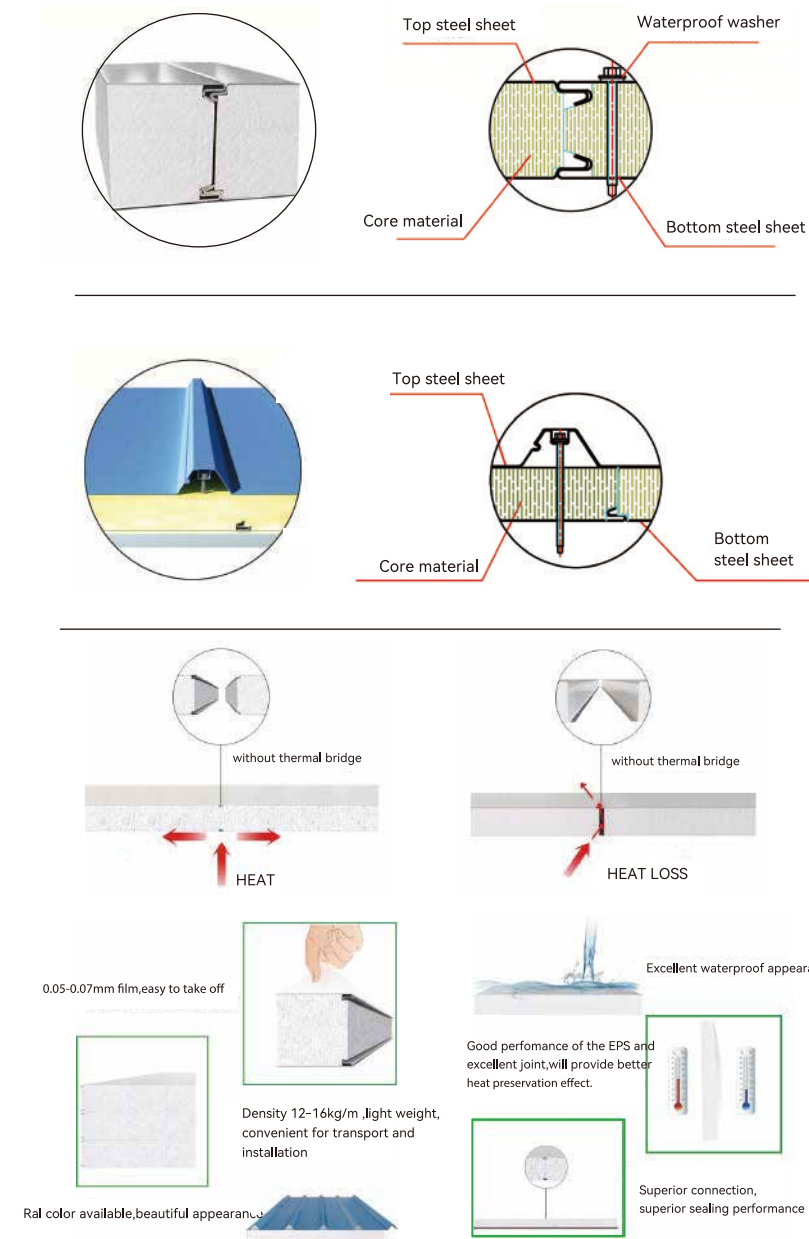
- 1. Applicable to rock wool, glass wool etc. Insulation material which always used in warehouse and houses which need high fireproofing grade
- 2 . Applicable to long span flat roof house
- 3 . Applicable to the connection of different sandwich panel type
- 4 . Applicable to complicated shape panel and shaping plate to curve



Z-Lock Connection Sandwich Panel



Schematic diagram of joint way

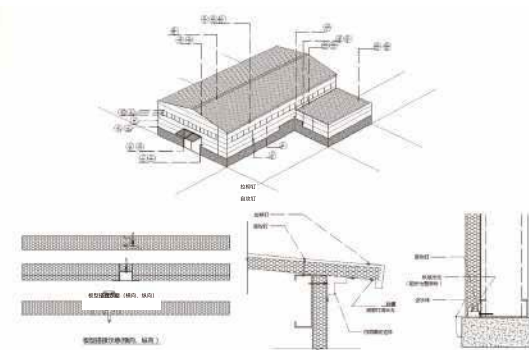


Quality characteristics:

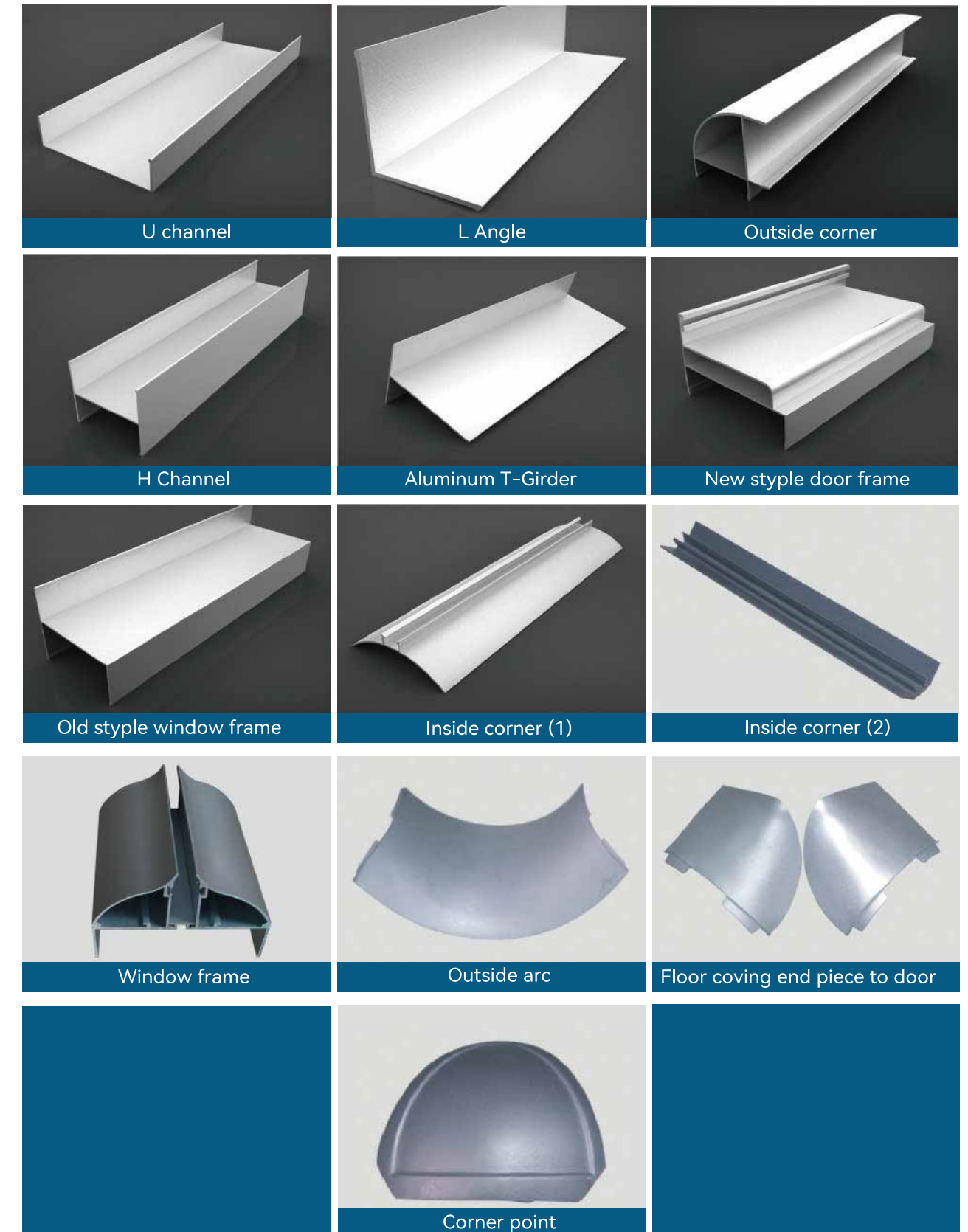
1. No thermal bridge.
2. Superior sealing performance, will provide better heat preservation effect.
3. 0.05-0.07mm film, easy to take off
4. Light weight, convenient for transport and installation

Application:

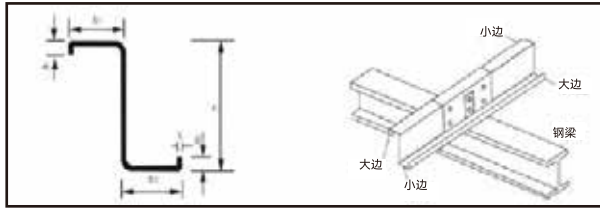
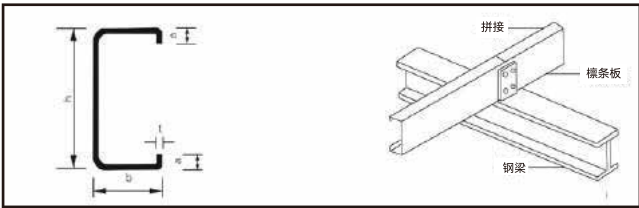
Sandwich panel usually use to building large-scale workshop, warehouse, gym, shopping market, hospital, cold storage, trailer park, appendant as building, cleanroom and thermal insulation park.



Aluminum Profiles



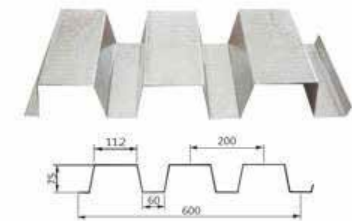
High-Strength Hot-Dipped Galvanized C/Z Section



WZH Purlin system consists of Z purlin and C purlin. WZH owns 5sets of advanced forming machines, which are controlled with pre-dirlling system. The daily output is more than 200tons. Combined with prefabricated metal sandwich panel. the complete structure will be a stable, light weight and economical system.

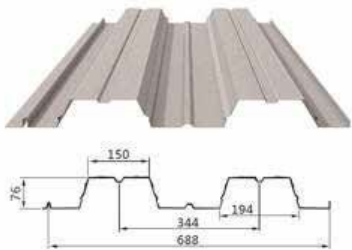
- Advanced technologies in pre-punching, satisfied diverse designs as well as assured an accurate assembling.
- Technology teams, ample stock, strong producing capacity, ensured a just-in-time and reliable delivery to ou customers.
- We will supply you C/Z purlins in any sizes wich section in between 80 to 300mm, thickness is 1.8-3.0mm. surf treatment could be galvanized or painting.

Floor Decking



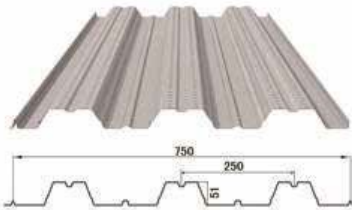
YX75-200-600 floor decking (open connection)

有效覆盖宽度(mm) Effective cover width	展开宽度 (mm) Before Corrugated width	板厚 (mm) Plate thickness	截面惯性矩 (CM4/M) Section of inertia	截面抵抗矩 (cm3/m) Section of resistance
600	1000	0.8 1.0 1.2	127.50 158.20 190.10	33.34 41.69 50.04



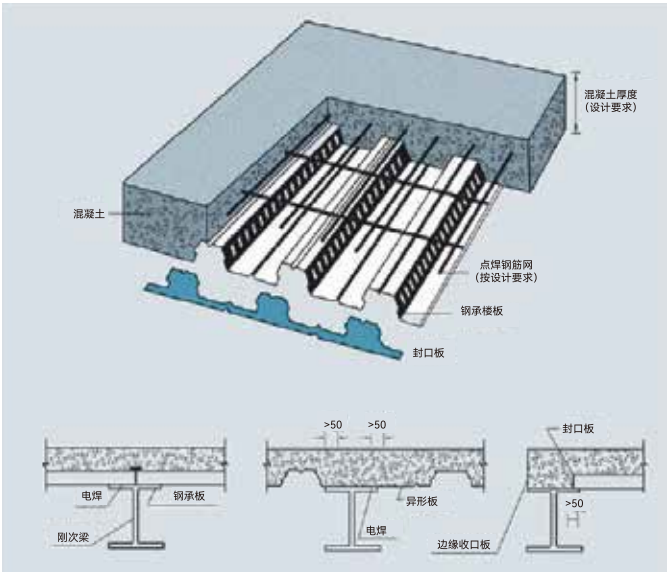
YX76-344-688 floor deck(open connection)

有效覆盖宽度(mm) Effective cover width	展开宽度 (mm) Before Corrugated width	板厚 (mm) Plate thickness	截面惯性矩 (CM4/M) Section of inertia	截面抵抗矩 (cm3/m) Section of resistance
688	1000	0.8 1.0 1.2	119.50 148.20 180.10	28.54 35.68 42.83



YX51-250-750 floor deck(open connection)


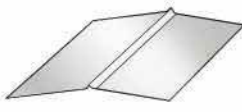
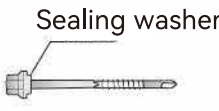
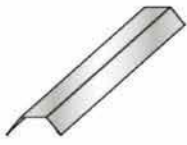
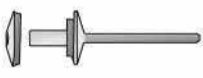

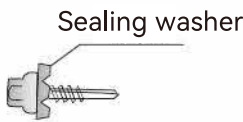
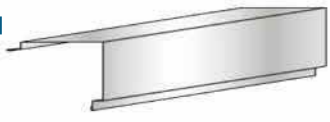
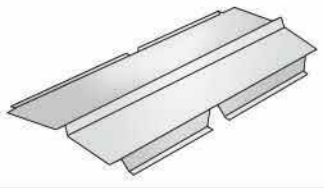
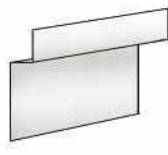
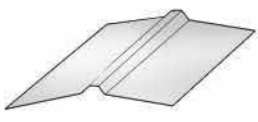

有效覆盖宽度(mm) Effective cover width	展开宽度 (mm) Before Corrugated width	板厚 (mm) Plate thickness	截面惯性矩 (CM4/M) Section of inertia	截面抵抗矩 (cm3/m) Section of resistance
750	1000	0.8 1.0 1.2	8.37 10.47 12.56	10.98 13.53 16.48



Composite floor slab construction sequence

1. By welding procedure, the steel decking floor sheet is fusion welded on the steel beam
- 2 . The connection of steel floor decking sheet is fixed by clamp
3. Nails is fixed on the composite wind beam by welding gun
- 4 . Department will meet with a gun fixation nail scissors
- 5 . Colligate steel fabric as the design requirement
- 6 . Bolt Pouring

Accessory System

名称 NAME	图像 GRAPHICS	名称 NAME	图像 GRAPHICS
Raphe molding		Internal ridge	
Self-tapping screw		External gutter brace	
waterproof rivet		External corner flashing-I	
Suturing nail		I External corner flashing-II	
Ridge-I		Eaves bending	
Ridge-II		Bracket	

Package & Loading



CASE

CASE

Harbin Bank Headquarters Building

Shenyang North Railway Station Project

Haiti Santa Maria School Project

Yuxiang Street Landscape Bridge

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Harbin Bank Headquarters Building



Project Name : Harbin Bank Headquarters Building

Project Site : Harbin

Building Area : 140,000sqm

Project Features : low cost, environmental protection, shorter construction cycle

Project Cycle : 2 years

Shenyang North Railway Station Project



Project Name : Shenyang North Railway Station Project

Project Site : Shenyang

Building Area : 98,000sqm

Project Cycle : 1.5 years

Building category : three floors station building (height 22.8m) + passenger shelter + station hall

Haiti Santa Maria School Project



Project Name : Haiti Santa Maria School Project

Project Site : Haiti

Building Area : 12,000sqm

Project Features : Low cost, environmental protection, shorter construction cycle

Project Cycle : 95 days



Yuxiang Street Landscape Bridge



Project Name:

Yuxiang Street Landscape Bridge

Project Site:

Shijiazhuang City, Hebei Province

Steel quantity:

1,200tons

Production time :

50days



Costa Rica Stadium



Project Name :

Costa Rica Stadium

Project Site :

San Jose, Costa Rica

Building Area :

100,000sqm

Seating Capacity :

35,000 persons

It is the most modern comprehensive stadium in Central America

Zhongguan Iron Mine Project



Project Name : Zhongguan Iron Mine Project

Project Site : Shahe City, Hebei Province

Steel quantity : 2,800tons

Production time : 2 months



Steel Mill Workshop Project



Project Name : Steel Mill Workshop Project

Project Site : Shijiazhuang, Hebei

Building Area : 200,000sqm

Steel Quantity : 980tons



Far East Wood Factory Project



Project Name :

Far East Wood Factory Project

Project Site :

Harbin City

Building Area :

97,500sqm

Usage :

Wood processing

Structure Form :

Portal frame

Steel Structure Poultry House Project



Project Name :

Steel Structure Poultry House Project

Project Site :

Algeria

Project Size :

L70*W15*H2.5m, 4units

Building Area :

4,200sqm



Steel Cow Farm Building



Project Name : Steel Cow Farm Building

Project Site : Malaysia

Project Size : L60*W30*H3.5m, 4units

Building Area : 72,00sqm