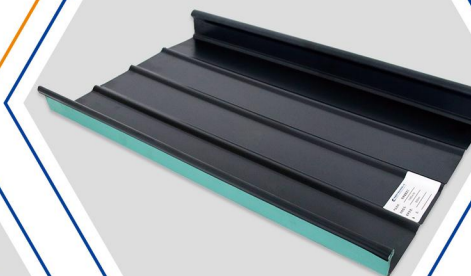
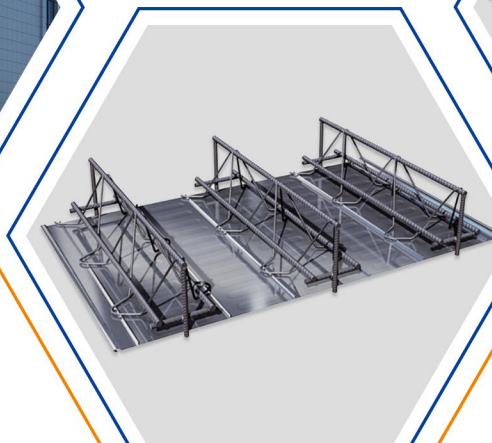


INTEGRATED SERVICE PROVIDER OF METAL ENCLOSURE SYSTEMS

Integrity Builds Enterprise
Trust Shapes Character
Courage Drives Innovation

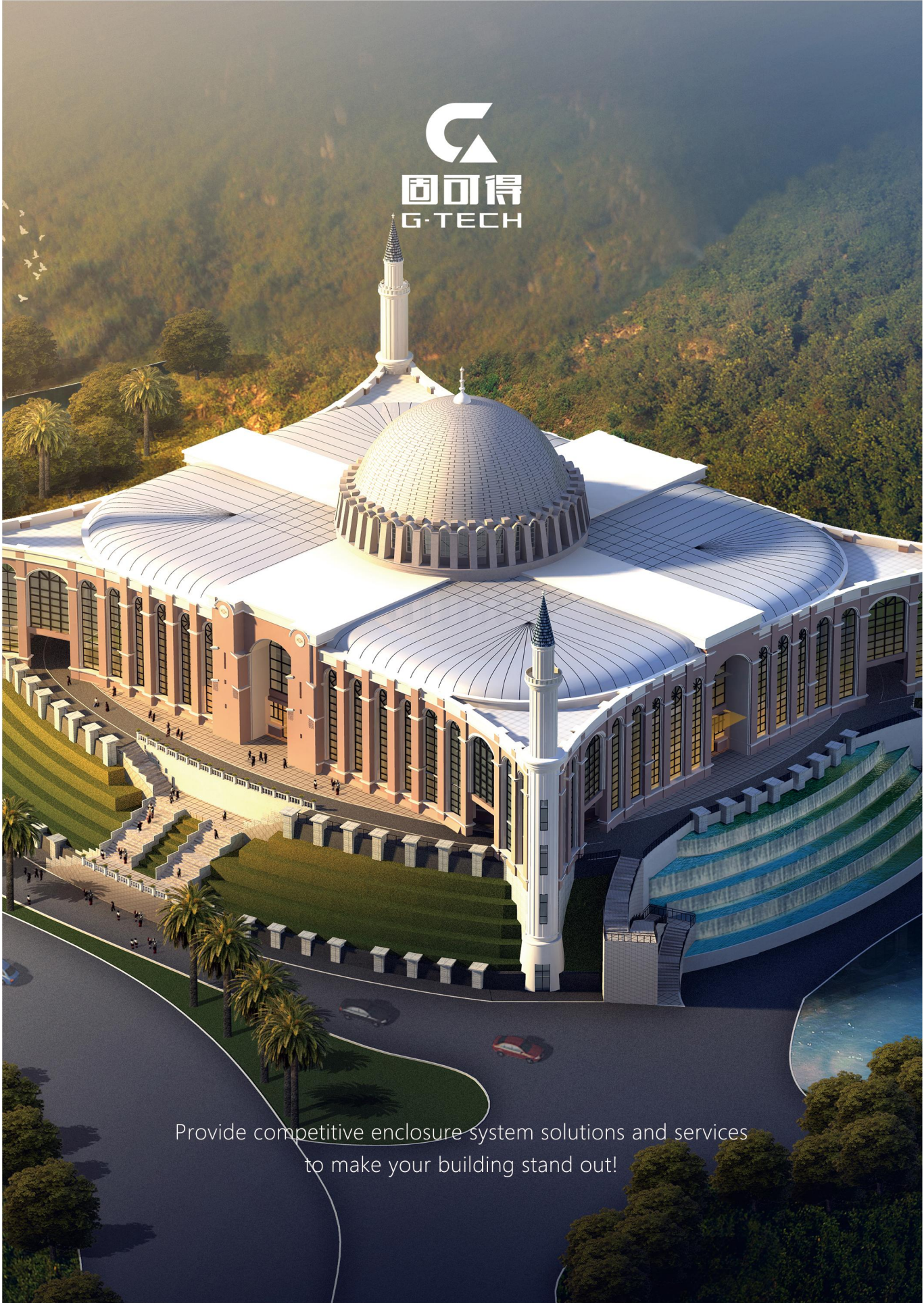


Provide competitive enclosure system solutions and services
to make your building stand out!



Add: No. 8, Mengwang Road, Yuhu High-Tech Industrial Development Zone,
Xiangtan City, Hunan Province, China
Tel: 133-9761-9769 Mr. Wu / 173-7575-9029 Ms. You
E-mail: gukede@xt-gkd.com
Web: www.gkdganggou.com

HUNAN G-TECH ARCHITECTURE TECHNOLOGY CO., LTD



Provide competitive enclosure system solutions and services
to make your building stand out!

CONTENTS

G·TECH BROCHURE CONTENTS

Company Profile	01
corporate culture	01
Corporate Advantages	02
Development History	03
Certifications & Qualifications	05
Production Capacity	11
Product Series	13
Reference Projects	41
Core Business Sectors	59
Market Coverage	60
Corporate Clients	61
Employee Activities	63
Leadership Care	64

COMPANY PROFILE >>>

Founded in 2006, G-Tech is a group enterprise specializing in integrated solutions for: Metal enclosure systems, Steel structure systems, Cold storage & cleanroom partition systems, Building-integrated photovoltaic (BIPV) roofing, Intelligent ventilation & daylighting systems, Prefabricated construction.

Strategic Layout · Pursuing Excellence

Adhering to the philosophy of "customer-centric professionalism", G-Tech is committed to becoming China's premier integrated service provider for metal enclosure systems. We have successfully served industry leaders including Sany Heavy Industry, Zoomlion, Broad Homes, China Construction Fifth Engineering Division, and Chongqing Construction Engineering Group.

Innovation · Shaping the Future

G-Tech has assembled a high-caliber R&D team with over 70 patents (inventions & utility models). Recognized as: National High-Tech Enterprise, Provincial "Specialized & Innovative" Gazelle Company, Listed on Hunan Equity Exchange's "Specialized & Innovative" Board Tier-1 Certified Metal Enclosure System Contractor.

Collaboration · Building Tomorrow

Through industry-academia-research partnerships with Xiangtan University and Guangzhou University, we have established: An R&D base for large-span metal enclosure systems, High-standard systemic designs and holistic solutions for the industry.

COMPANY CULTURE >>>

Corporate Philosophy

Adhering to the "People-Oriented, Technology-Driven" principle, we attract top-tier talent.

Guided by the tenet of "Market-Focused, Quality-Dependent, Reputation-Built", we serve clients with excellence.

Championing energy efficiency and a green steel construction strategy, we strive to become China's premier advanced steel structure enterprise.

Corporate Vision

To emerge as China's leading integrated solutions provider for steel structure enclosure systems.

Corporate Mission

To deliver cutting-edge construction philosophies and holistic solutions for modern architectural metal enclosure systems.

Core Values

Integrity Builds Enterprise · Trust Shapes Character · Courage Drives Innovation



COMPANY ADVANTAGES >>>

Team Excellence

- A high-caliber professional team with 20+ years of manufacturing and construction expertise;
- Ensures efficient project delivery through collaborative client support;

Technical Expertise

- Two-decade experienced engineering team capable of full-spectrum customization;
- Delivers tailored solutions to meet diverse project requirements;

Innovation Leadership

- 70+ patents (invention & utility models);
- Recognized as:
National High-Tech Enterprise;
Provincial "Specialized & Innovative" Gazelle Company;
Tier-1 Certified Metal Enclosure Contractor;

Manufacturing Edge

- Advanced equipment and integrated production lines;
- End-to-end capabilities: R&D → production → installation → after-sales;

Market Position

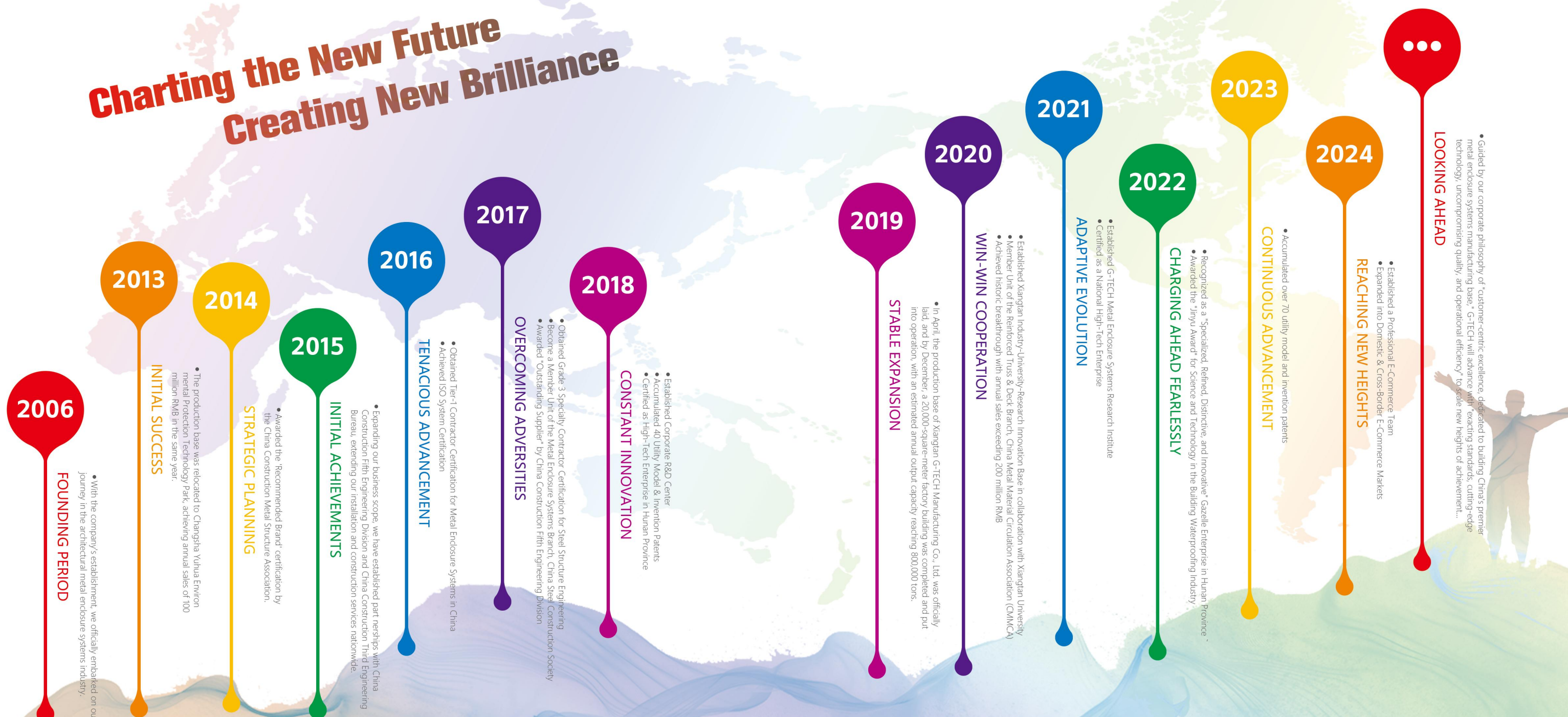
- Top 10 market share in Hunan Province;
- Core products (metal roofing/walls, steel decking) widely adopted by Sany Heavy Industry and other industry leaders

Service Commitment

- Comprehensive client service system;
- Proactive after-sales support with structured CRM for worry-free partnerships;

DEVELOPMENT HISTORY >>>

Charting the New Future Creating New Brilliance



COMPANY QUALIFICATION >>>

The company prioritizes talent development, with experienced project teams that drive continuous technological and application innovations. Our credentials include:

- National High-Tech Enterprise;
- Provincial "Specialized, Refined, Distinctive, and Innovative" (SRDI) Gazelle Company;
- Tier-1 Metal Enclosure Systems Contractor;
- Council Member of the China Metal Enclosure Association;
- Member of the Steel Structure Envelope Committee, China Steel Construction Society (CSCS);
- Vice President Unit of the Hunan Steel Structure Association;
- Member of the Changsha Construction Industry Association;
- Member of the Metal Roofing Branch, China Building Waterproofing Association.



HONOR & CERTIFICATE >>>



ISO & PATENT CERTIFICATES >>>



Environmental Management
System Certification

Occupational Health and Safety
Management System Certification

The company has achieved continuous technological and applied innovations, securing over 70 patents
(including both invention patents and utility model patents)

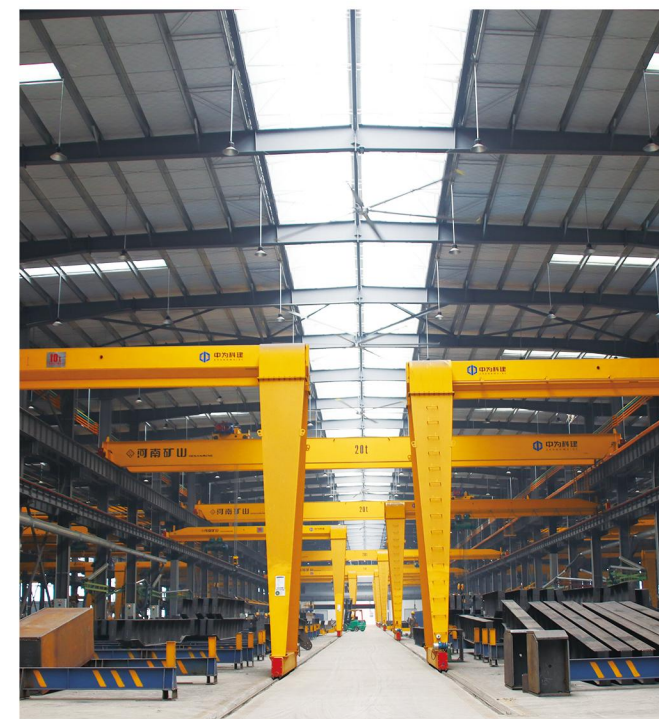


▲ Metal Enclosure Systems Production Base

PRODUCTION SCALE >>>

We currently have 5 production lines for steel truss floor slabs, more than 20 various pressure type floor slab equipment, more than 10 CZ steel production lines, more than 40 color steel tile forming equipment, 2 sandwich panel production lines, 1 daylighting panel production line, 4 aluminum magnesium manganese production lines, 5 cutting and folding production lines, and several bending and arc equipment, totaling over 100 types of slabs.

At present, the series of products developed and produced by the company, including steel truss floor slabs, color coated steel plates, aluminum magnesium manganese plates, purlins, composite panels, and daylighting panels, have been widely used in various industrial plants, high-rise buildings, large public buildings and other fields of engineering construction.



▲ Integrated Steel Construction Systems Production Base

PRODUCTION SCALE >>>

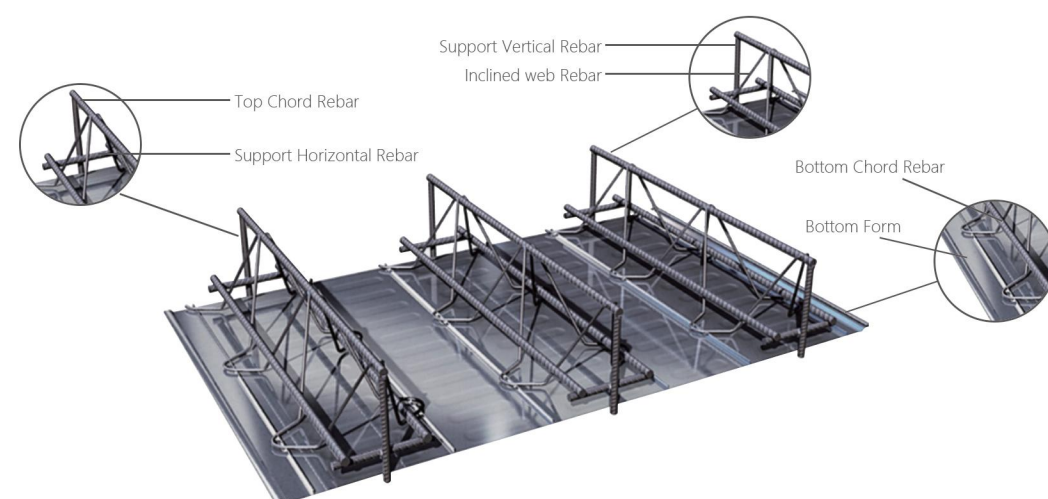
There are currently 100000 square meters of production workshops, 6 light and heavy steel production lines, 40 20-50 ton gantry cranes, over 60 semi gantry cranes and single beam gantry cranes, one set of 80mm and 30mm rolling machines, two 30000 watt laser cutting machines (with chamfering function), one H-beam laser cutting machine and one plasma pipeline intersection line cutting machine, one 2000 ton 14 meter bending machine, and more than 20 sets of various CNC cutting equipment, with the lifting capacity of a single 100 ton ultra large component. The annual designed production capacity of various structural components is 100000 tons, with an annual output value of 1 billion yuan. It is a large-scale advanced steel structure production and manufacturing base in Hunan Province.

We execute: Industrial light/heavy steel plants, High-rise steel structures, Hydraulic steel projects, Bridge steel structures, Equipment support frameworks, Airport terminals, Large convention centers, Stadiums and spatial structures.

FLOOR SLAB SERIES >>>

► Steel bar truss floor slab

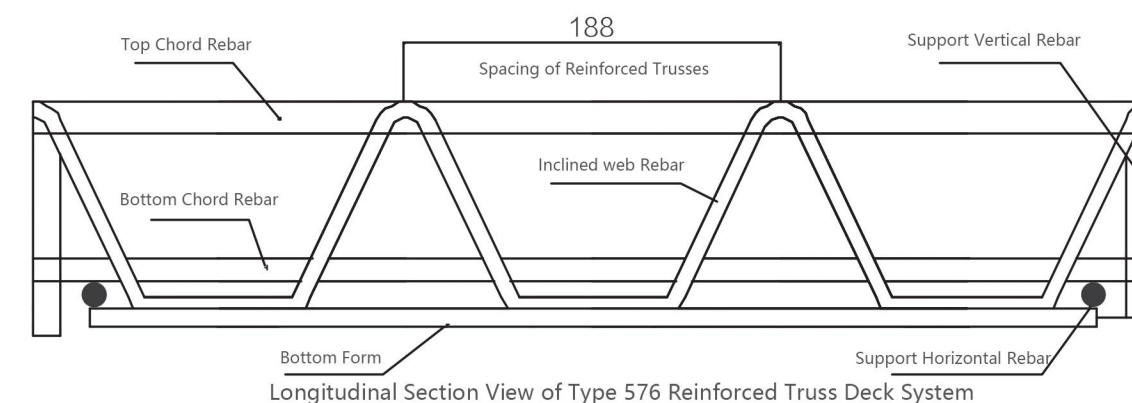
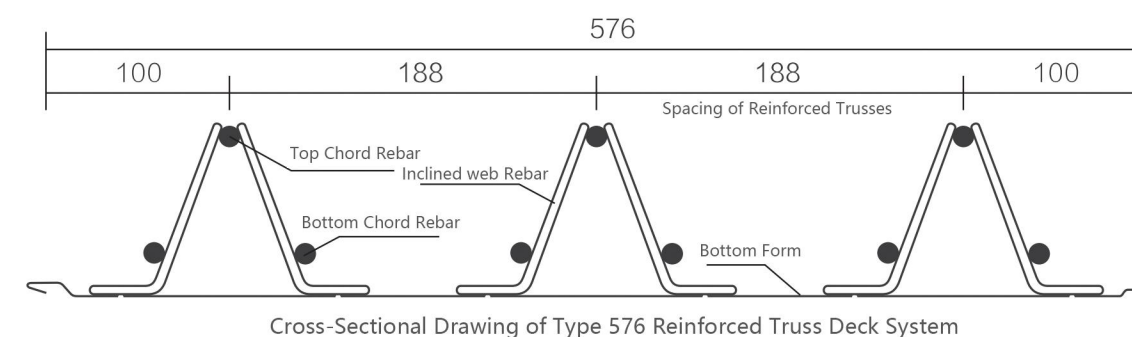
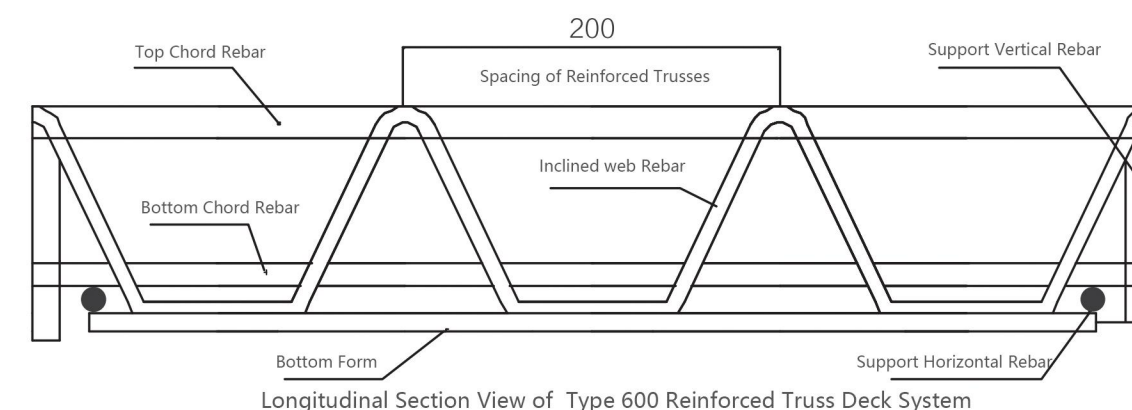
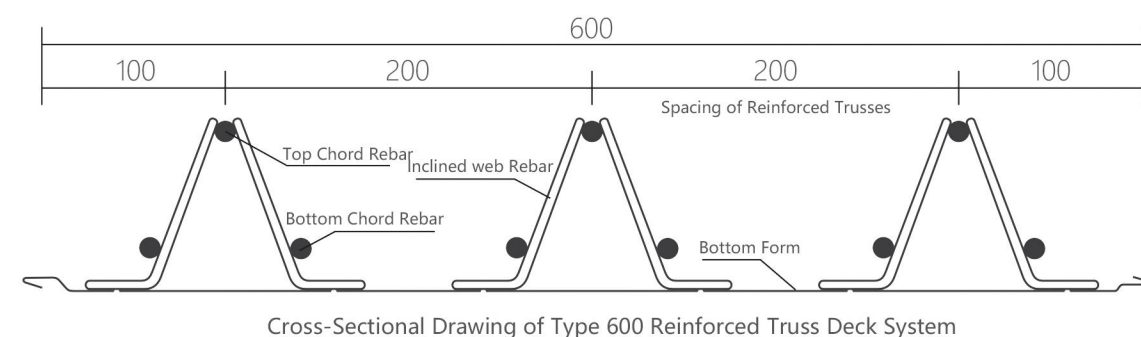
Steel bar truss floor slab, also known as steel bar truss formwork, is a composite structural system formed by processing the main load-bearing steel bars in the floor slab into steel bar trusses using specialized equipment in the factory, and then welding the steel bar trusses with galvanized steel plates to form a whole.



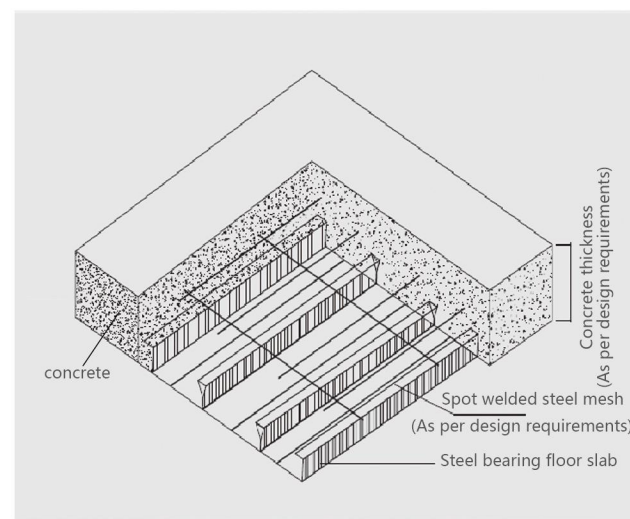
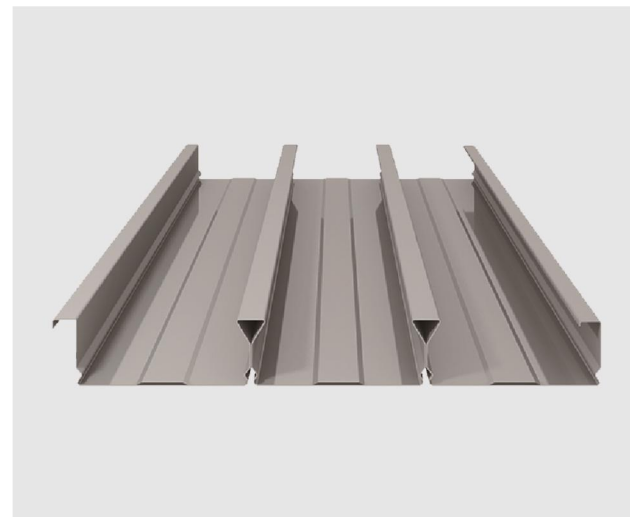
Performance Advantages:

- Eliminates scaffolding requirements with minimal on-site rebar tying;
- Provides multiple working platforms for three-dimensional construction;
- Achieves over 95% formwork utilization rate;
- Reduces floor height and structural self-weight, lowering overall costs;
- Configurable as two-way load-bearing slabs;
- Reduces crack width and enhances slab serviceability;
- Improves seismic resistance of structures;
- Superior sound insulation performance;
- Reliable fire resistance;
- Eliminates corrosion protection requirements.

Product shape:



FLOOR SLAB SERIES >>>

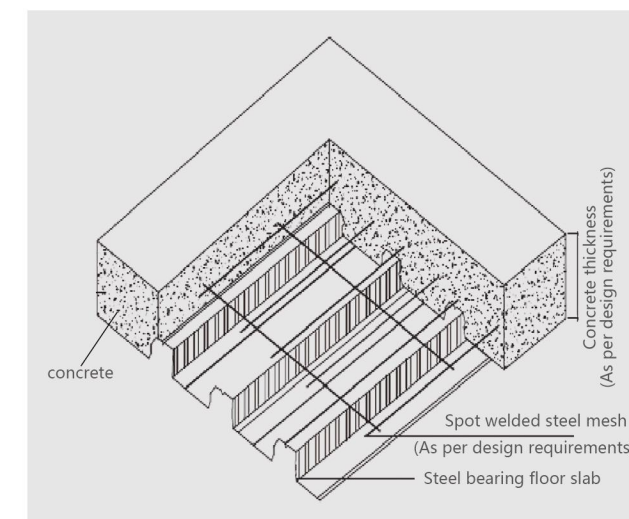
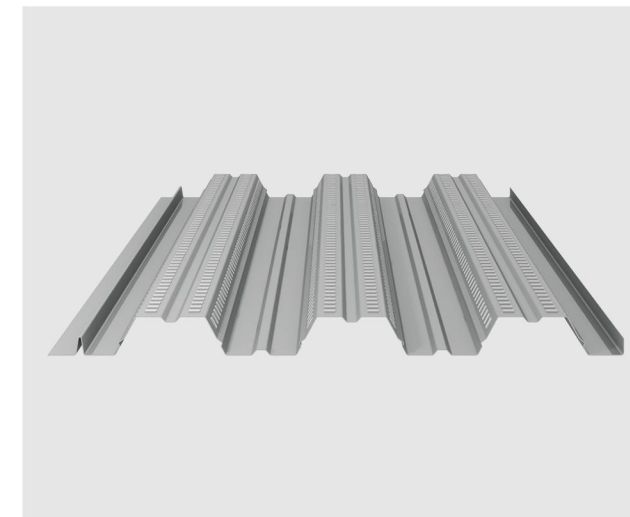


► Closed-end floor slab

Closed end floor slabs have strong bearing capacity and shear resistance. The special design of the closed rib shape allows the ribs of the steel bearing plate to be completely wrapped in concrete, just like the steel bars in the cast-in-place slab, thus maximizing the characteristics of steel-concrete. It has been successfully applied in the reinforced floor bearing plate system and has excellent fire resistance performance. By enhancing the strength of the floor slab, its performance has been improved and the project cost has been greatly reduced.

Advantages of closed-end floor slabs:

- Strong concrete bond & shear resistance;
- Superior combination floor slab cross-section;
- Excellent fire resistance performance;
- Bottom card slot suspension system;
- Fast and simple construction;
- Smooth finished surface;
- The steel bars that bear positive bending moments at the bottom of the composite floor slab are replaced by closed profiled steel plates, reducing the amount of steel bars and lowering costs.



► Open-end floor slab

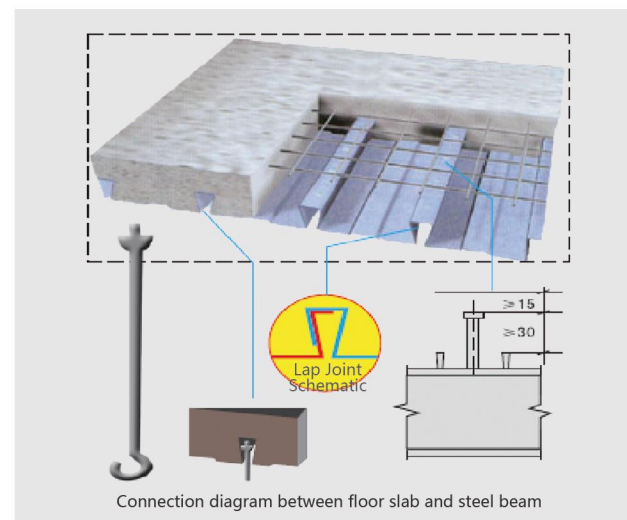
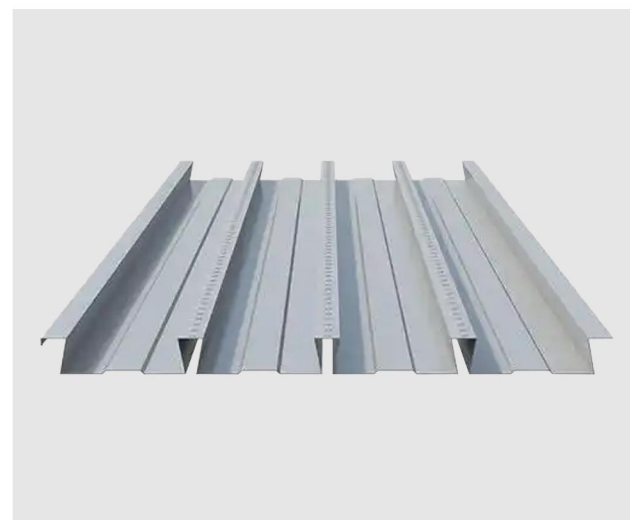
The open floor support plate is made of galvanized steel plate that is cold-formed by rolling, and its interface is shaped into a V, U, trapezoid or similar waveform. It is mainly used as a permanent template and can also be selected for other purposes. The earliest profiled steel plates were mainly used for the roof panels of factory buildings, and later on, the profiled steel plates used for floors were gradually classified as floor slabs.

The open floor support plate replaces traditional formwork, improves the shortcomings of traditional formwork, and reduces the possibility of fire during construction. Steel plates are very lightweight, easy to stack and transport, and conducive to the layout and decoration of various pipelines. In addition, steel plates can also play a role in supporting the lateral stability of steel beams, resulting in a clean and beautiful appearance.

Advantages of open-end floor slabs:

- The construction is simple and fast, without the need for demoulding or multiple layers of simultaneous construction, greatly improving the construction speed and shortening the investment cycle;
- The seismic resistance of buildings constructed with floor slabs is strong, and various pipelines can be directly embedded in the slabs;
- Exemption from investment and time for ceiling painting;
- Save concrete and reduce floor weight.

FLOOR SLAB SERIES >>>



► Dovetail-shaped floor slab

Dovetail-shaped floor slab, also known as necking floor support plate or dovetail profiled steel plate, is a unique metal profiled plate with a beautiful appearance and easy installation, suitable for any floor. This type not only works together with concrete, but also reduces the area of height weakening of concrete, greatly improving the fire and corrosion resistance of the board. The stiffness of the floor slab is also higher than that of the open combination board.

Advantages of dovetail-shaped floor slabs:

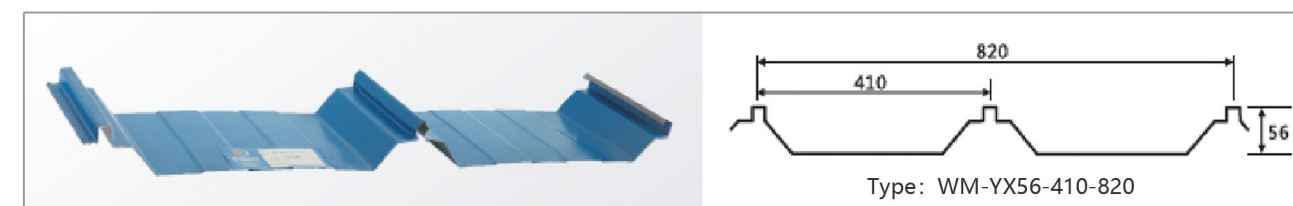
- Material Properties & Structural Superiority - Excellent mechanical performance and structural stability;
- Construction convenience and efficiency improvement;
- Cost-Effectiveness & Material Savings - Superior durability extends building service life while reducing maintenance costs
- Fire Resistance & Corrosion Protection - Meets stringent safety standards;
- Multi functionality and aesthetics;
- Eco-Friendliness & Sustainability - Utilizes recyclable hot-dip galvanized steel, minimizing construction waste and resource consumption
- Energy Efficiency & Carbon Reduction - Helps lower building energy consumption and carbon emissions, complying with national energy-saving, environmental and safety regulations.

COLOR COATED STEEL PLATE - ROOF PANEL SERIES >>>

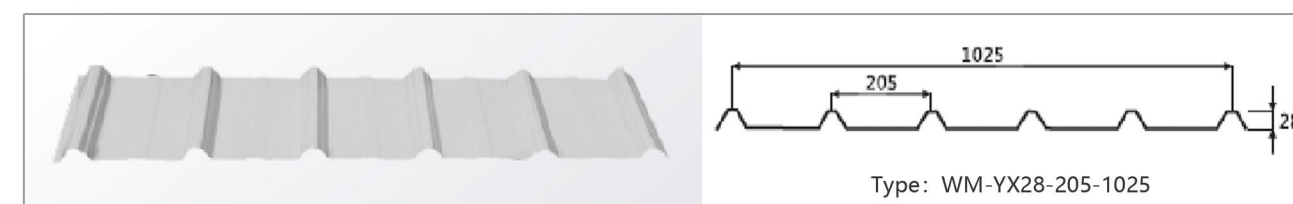
► 360° Vertical Lock Edge Series



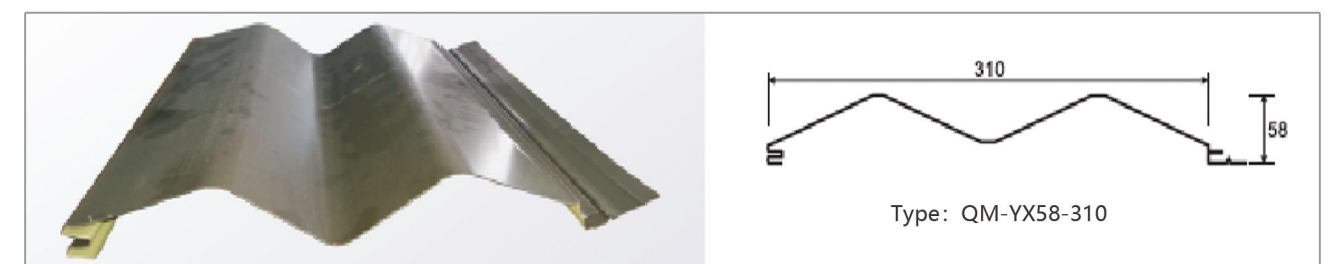
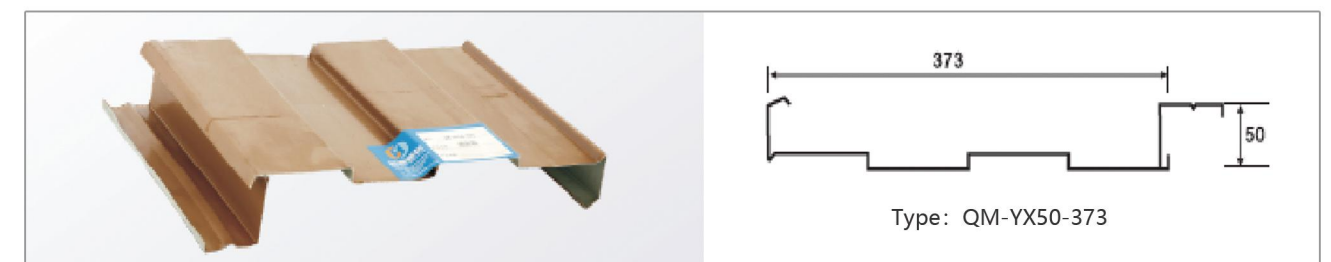
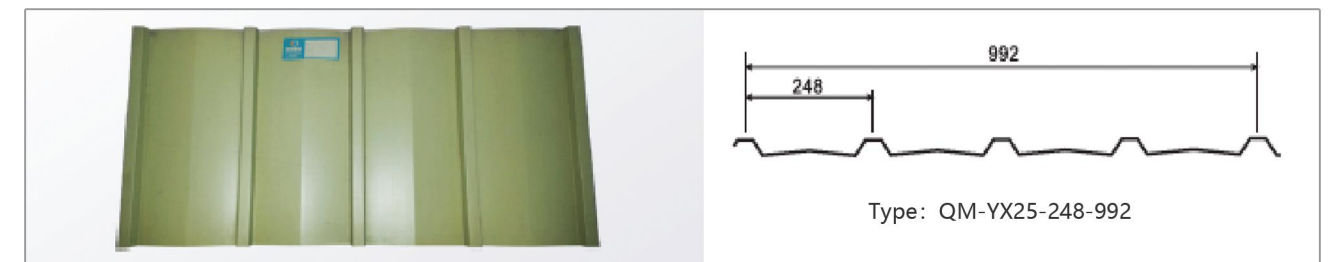
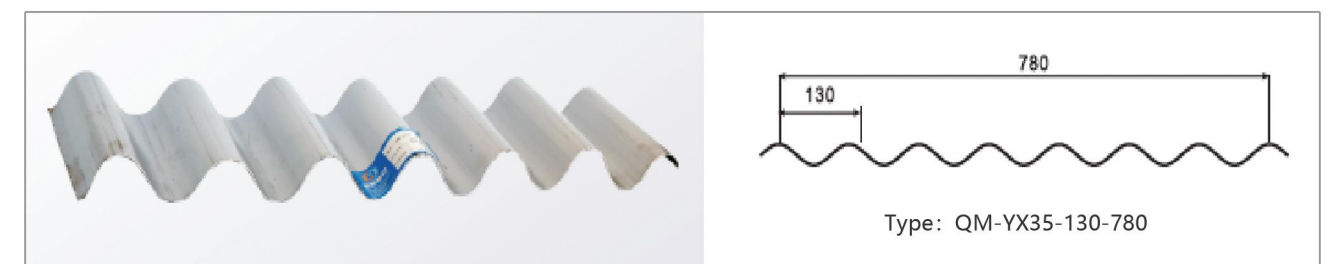
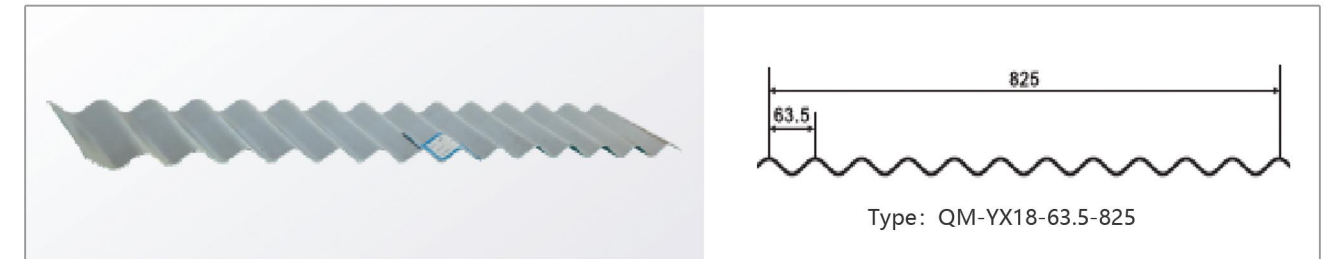
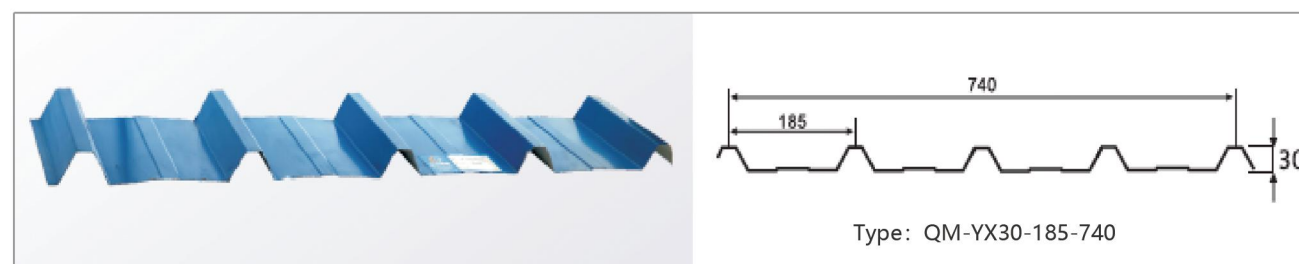
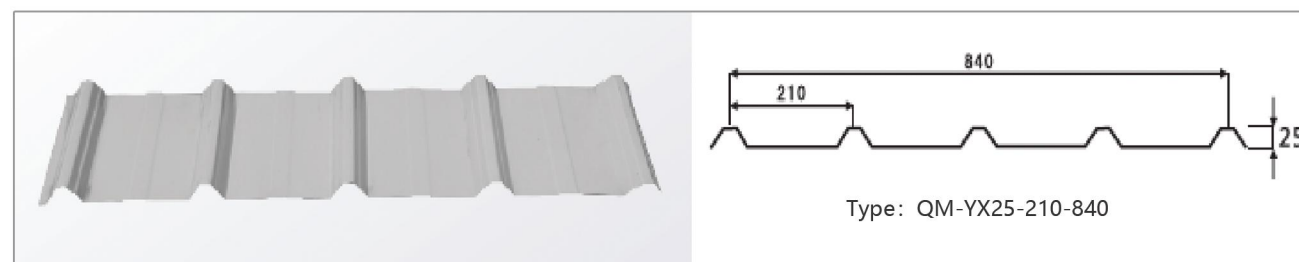
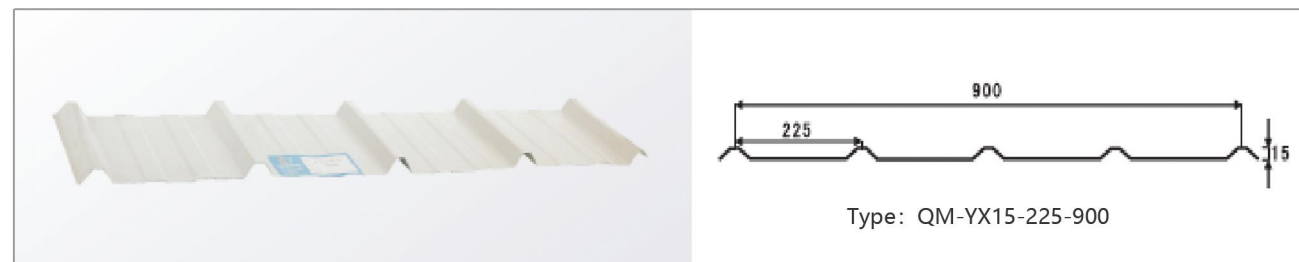
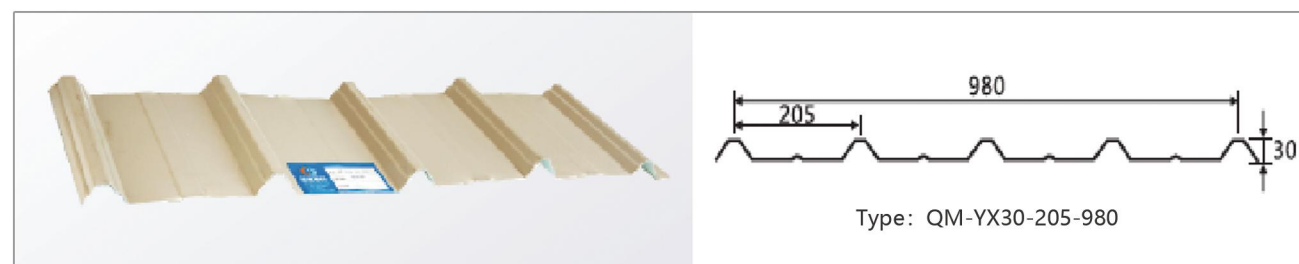
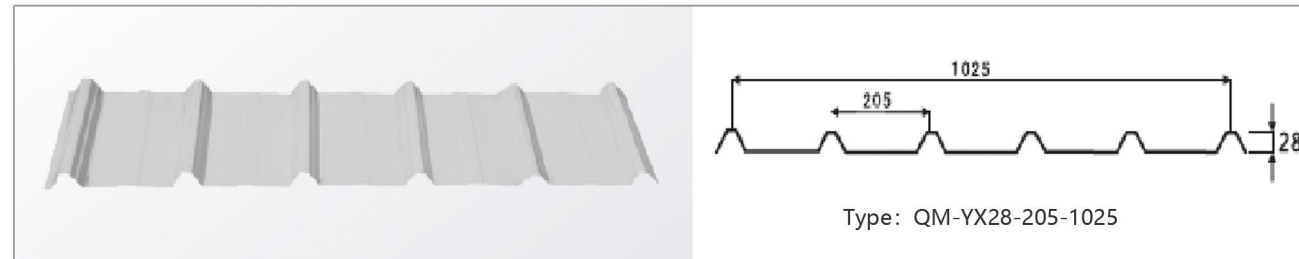
► 180° Clip-Lok Series



► Lap Joint Series



COLOR COATED STEEL PLATE - WALL PANEL SERIES >>>

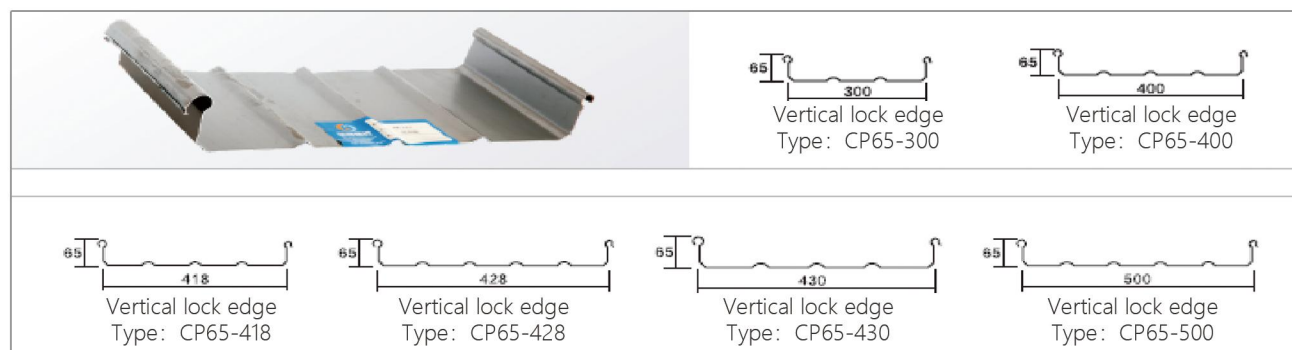


AL-MG-MN PLATE SERIES>>>



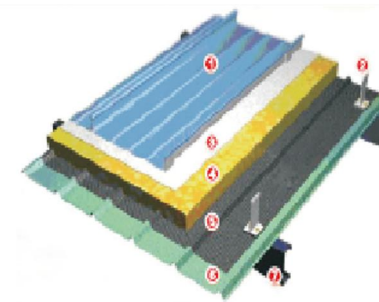
► AL-MG-MN panel series includes: 270° Vertical lock edge, high and low vertical edges, and fan-shaped panels.

- No joints or screw holes, ensuring a clean building appearance; can be bent into inner and outer arcs, with options for different materials and colors.
- Overall structural waterproofing and drainage function; Can be used for roofs with a slope of 1.5 °;
- Excellent wind resistance (when used with a backing plate), making it ideal for typhoon and storm-prone regions.
- Accommodates thermal expansion and contraction; features simple, fast machine seaming for easy and economical installation.
- Easy to lay insulation and sound-absorbing layers; No need for chemical sealant, eliminating pollution and aging issues;
- Maintenance-free roofing; can be processed and fabricated on-site.



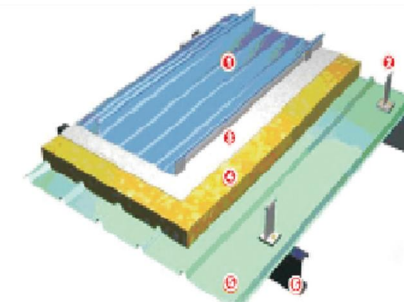
► 270° Vertical lock edge series

The vertical ribs of the standing seam panels ensure an almost unobstructed drainage cross-section, providing a larger effective drainage area compared to conventional profiles. With a rib height of 65mm, the panels offer enhanced waterproofing performance even on low-slope roofs, eliminating the leakage risks associated with traditional screw-through fastening methods. Additionally, the system effectively accommodates thermal expansion and contraction-induced horizontal movement, as well as vertical deformation caused by uneven substrate settlement.



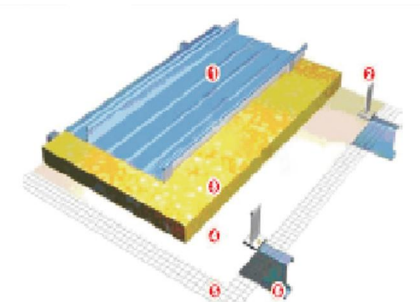
Vertical Lock Edge Type I

- 1、 Vertical lock edge roof panel
- 2、 Fixed support
- 3、 Heat-reflective aluminum foil
- 4、 Glass wool or extruded foam template
- 5、 Non-woven fabric
- 6、 Perforated profiled color steel sheet
- 7、 Purlin



Vertical Lock Edge Type II

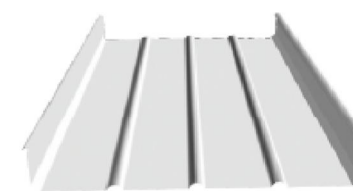
- 1、 Vertical lock edge roof panel
- 2、 Fixed support
- 3、 Heat-reflective aluminum foil
- 4、 Glass wool or extruded foam template
- 5、 Perforated profiled color steel sheet
- 6、 Purlin



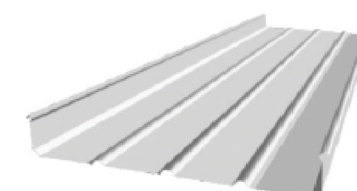
Vertical Lock Edge Type III

- 1、 Vertical lock edge roof panel
- 2、 Fixed support
- 3、 Glass wool or extruded foam template
- 4、 PVC membrane with reinforcing fabric
- 5、 Steel wire mesh
- 6、 Purlin

► Fan-shaped panels



Straight



Tapered



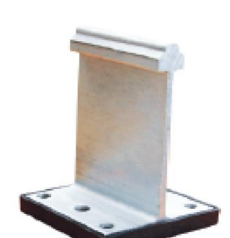
Convex



Convex Tapered

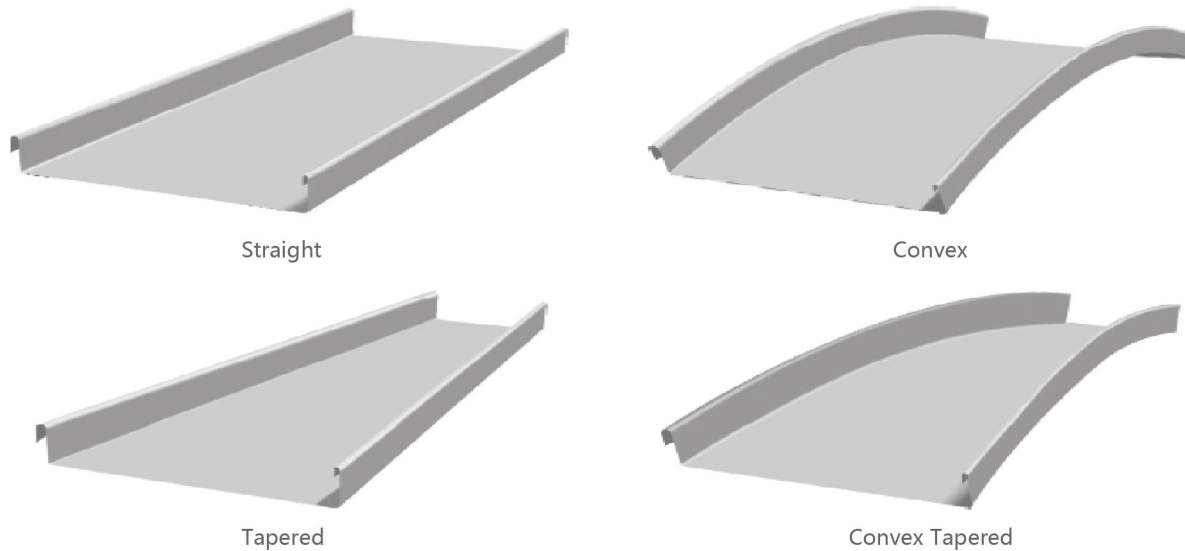


Concave



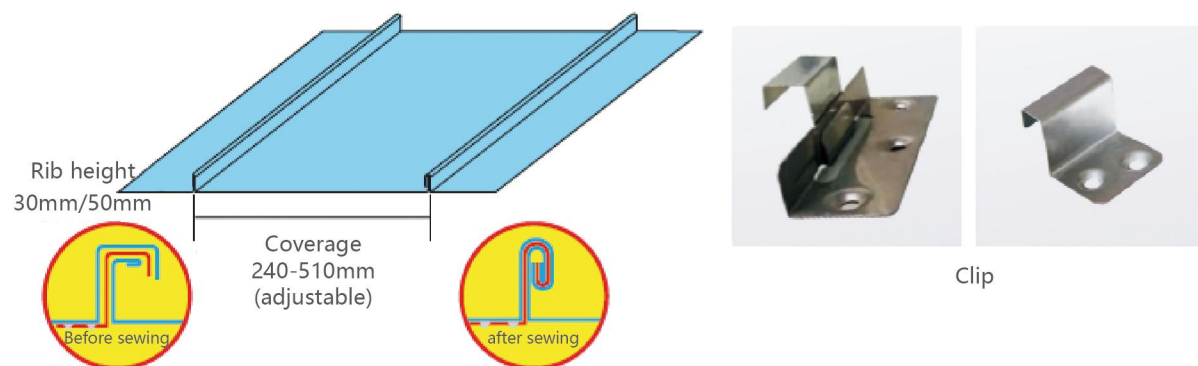
Clip

AL-MG-MN PLATE SERIES>>>



► High and low vertical edge

- Available with tapered panel profiles and capable of being curved into true-radius arcs;
- Exceptional architectural performance enables diverse 3D roof form designs;
- The unique vertical locking and sewing process provides reliable water tightness;
- Flexible roofing system design delivers superior thermal insulation and acoustic properties;
- On-site panel forming can be provided based on project requirements;
- Multiple material options including steel, aluminum, and titanium-zinc alloy plates.



PURLINE SERIES >>>

C-shaped steel purlins

C-shaped steel purlins are manufactured through cold-forming of hot-rolled steel coils, featuring thin walls, lightweight construction, excellent cross-sectional properties, and high strength. Roll-formed by specialized machinery, these C-section purlins boast smooth surfaces, precise dimensional accuracy, and are available in material grades Q195-Q345.

With various connectors enabling flexible configurations, these aesthetically pleasing purlins significantly reduce roof dead loads and overall steel consumption. Recognized as cost-efficient structural members, C-purlins represent a new generation building material that effectively replaces traditional angle steel, channel steel, and steel tubes in construction applications.



Z-shaped steel purlins

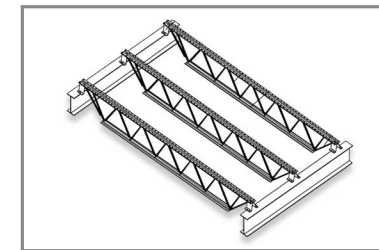
Z-shaped steel purlins are a common type of cold-formed thin-walled steel section, typically with a thickness ranging from 1.6 to 3.0mm and a section height of 120-350mm.

In addition to their high strength and material efficiency, Z-purlins offer exceptional installation convenience and speed. Available in material grades Q195-Q345, they are primarily used as structural purlins in steel buildings, particularly ideal for steep-slope roof applications.



Truss purlins

Truss purlins are roof load-bearing structures used in buildings, where purlins are horizontal components placed on the main roof structure and are usually covered with metal roof panels (sometimes with insulation layers). The purlin is perpendicular to the roof truss or rafter, used to support the rafter or roof material, and is a transverse bending (usually bi-directional bending) component, usually designed as a single span simply supported purlin.



Secondary purlins

Secondary purlins are an auxiliary material mainly used to support and fix roof panels. It is usually made of metal materials, such as galvanized steel, to provide better support. The secondary purlins are arranged between the main purlins, forming a stable truss structure together with the main purlins, which not only enhances the stability of the roof, but also shares some of the load-bearing tasks.



COMPOSITE BOARD SERIES >>>

► Composite panels can be classified into: composite wall panels, composite roof panels, and sandwich panels.

G-TECH has introduced the world's most advanced polyurethane composite panel production line, capable of manufacturing energy-saving and eco-friendly panels with polyurethane cores, hydrophobic rock wool cores, and fiberglass cores.



► Composite wall panels

Composite wall panels integrate the facing layer, insulation layer, and structural layer into a single unit during production, eliminating the need for on-site installation of insulation or cladding. This significantly reduces construction time and improves efficiency.

Key surface Layers: Prepainted steel (color-coated), galvanized steel, stainless steel, aluminum foil, PVC, plywood, etc.

Key Core Materials: EPS, rock wool, fiberglass wool, fire-resistant paper honeycomb panels, polyurethane (PU), etc.

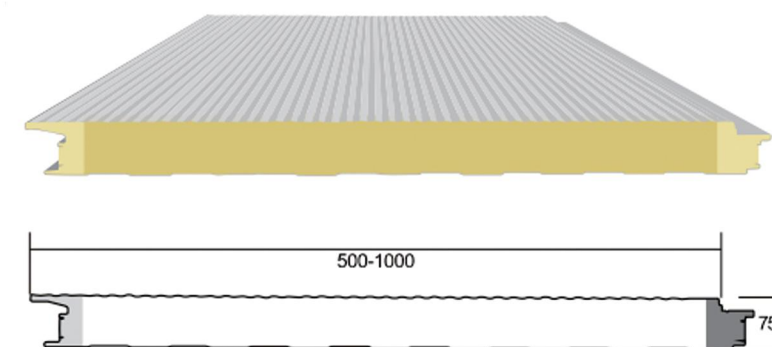
The most common type for construction is sandwich panels, where steel facings (top/bottom) are bonded to an insulation core via adhesives (or foaming). These are widely used in: Industrial workshops, warehouses, cold storage facilities, light steel residential buildings, building extensions/interlayers, cleanrooms and controlled environments

Features of composite wall panels:

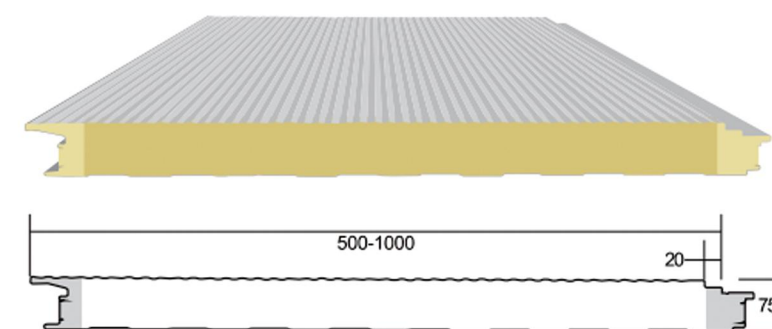
- **Fire Resistance:** Polyurethane foam sealing at both ends with fiberglass wool or rock wool core, providing superior fireproof performance.
- **Structural Stability & Waterproofing:** Tongue-and-groove design enhances panel rigidity, preventing deformation while ensuring excellent waterproof performance.
- **Joint Options:** Two types of tongue-and-groove connections available (with or without drainage channels);
- **Thickness Variants:** Available in four standard thicknesses: 50mm, 75mm, 100mm, and 150mm.

Effective width	500-1000mm
Recommended width	1000mm
Thickness	50mm/75mm/100mm/150mm
Lengths	Can be determined according to design requirements and transportation/installation conditions
Panel Surface Finish	Ripple, Embossed, Flat

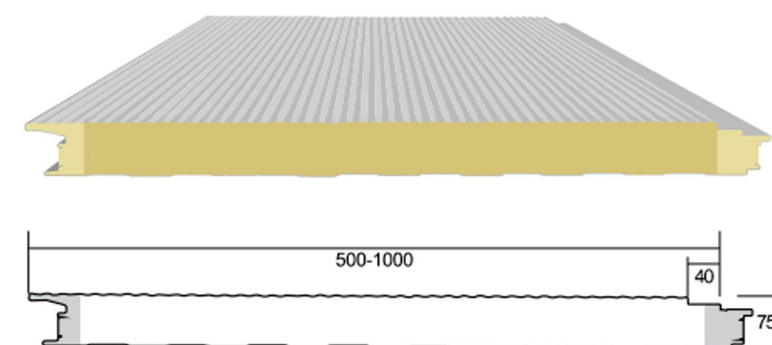
Plate type



Concealed Asian-style Wall Fasteners: S-0

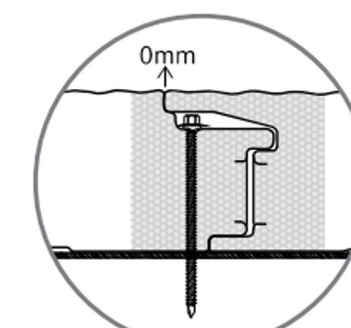


Concealed Asian-style Wall Fasteners: S-20

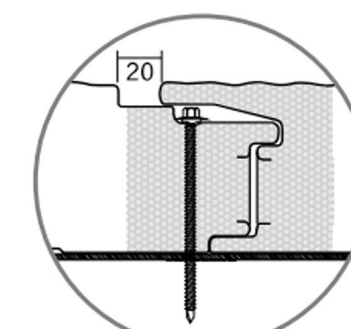


Concealed Asian-style Wall Fasteners: S-40

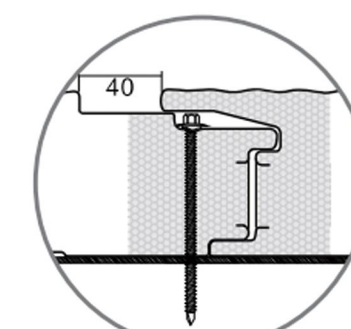
Connection Diagram



Gap-free Connection



20 Connection



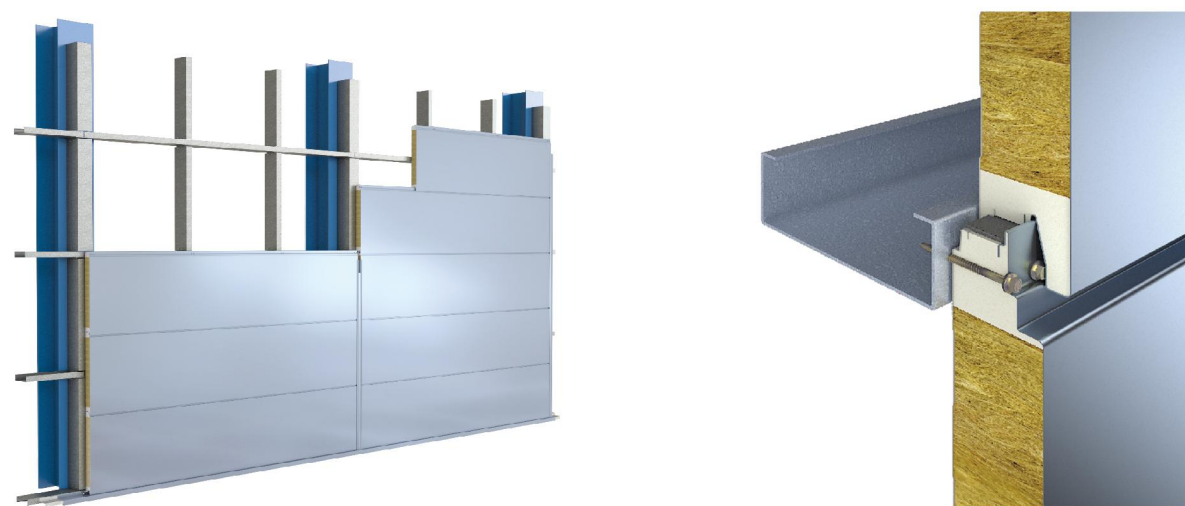
40 Connection

COMPOSITE BOARD SERIES >>>

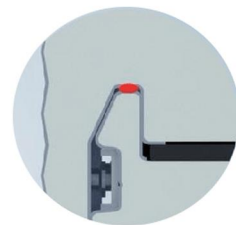
► Installation structure of composite wall panel

Composite wall panels are connected to the purlin secondary structure via concealed screws at the tongue-and-groove joints, forming a purlin-supported wall system together with the sandwich panels.

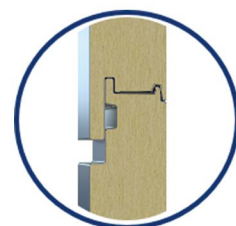
The design of the tongue-and-groove joints in composite wall panels is critical for waterproofing, air tightness, and wind resistance performance.



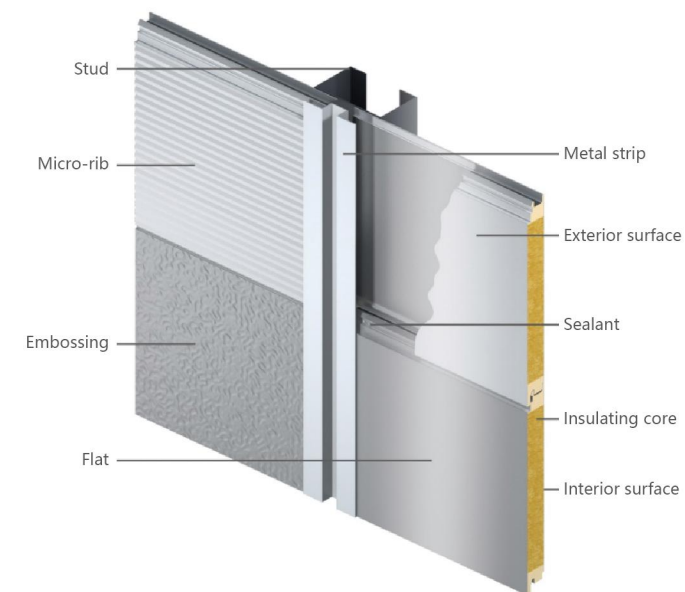
► Polyurethane (PU) side seal



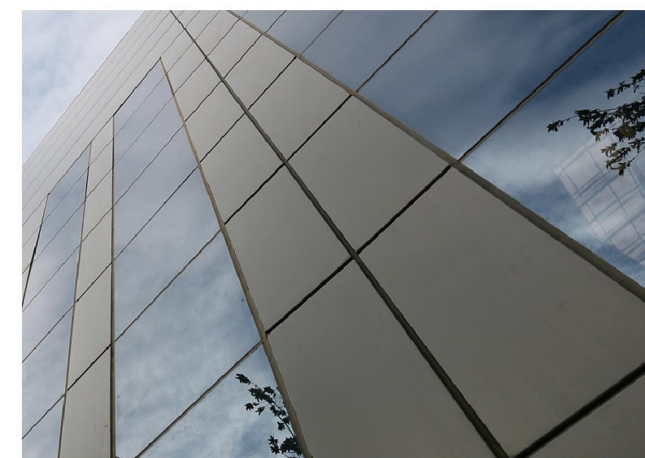
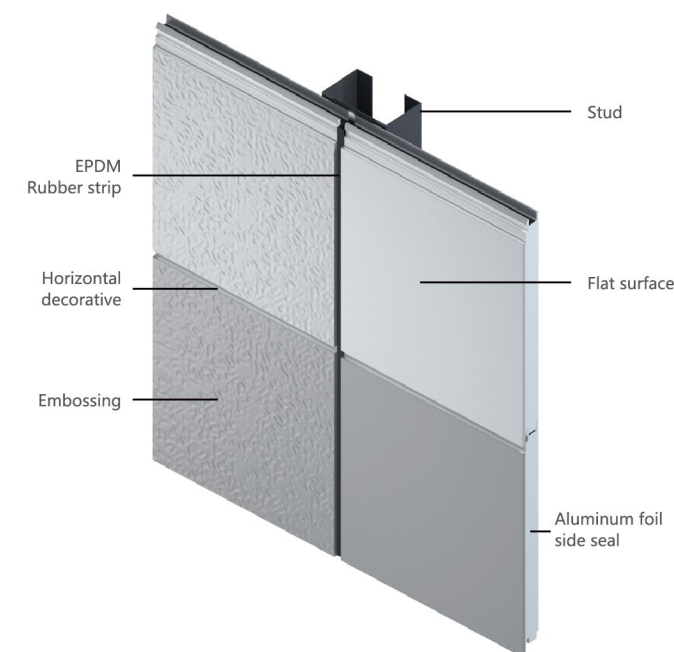
► Pure rock wool



► Composite wall panel - Double tongue-and-groove



► Composite wall panel - Four-sided tongue-and-groove



COMPOSITE BOARD SERIES >>>

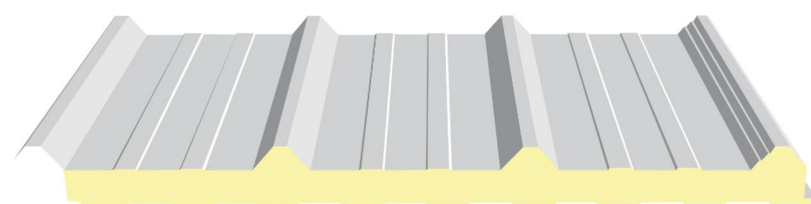
► Composite roof panel

The female joint edge features hemming process treatment, ensuring a tighter overlap and preventing edge corrosion due to lack of coating, thereby extending panel service life and enhancing structural strength. Additionally, this design reduces potential injury risks to installers during handling.

The 35mm-deep triple-rib design significantly increases load-bearing capacity, reducing the required number of roof purlins while improving overall structural performance.

Integrated anti-leakage channels effectively prevent water infiltration.

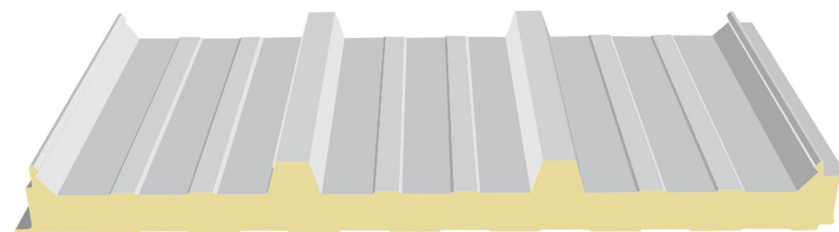
Parameter Description			
Composite panel model		Roof concealed buckle type	Roof overlap type
Effective coverage width		930mm	1000mm
Expansion width	Top Face	1200mm	1200mm
	Bottom Face	1000mm	1070mm
Corrugation height		40mm	34mm
Recommended steel plate thickness		0.5-0.8mm	
Regular colors		White gray, Silver, Sea blue, Porcelain blue, etc	
Recommended coating		PVDF, SMP, HDP, PE, etc	
Recommended electroplating	Outer Panel	55% Aluminium-Zinc Alloy Coating: $\geq 100\text{g/m}^2$, Zinc Coating: $\geq 150\text{g/m}^2$	
	Inner Panel	55% Aluminium-Zinc Alloy Coating: $\geq 70\text{g/m}^2$, Zinc Coating: $\geq 100\text{g/m}^2$	
Recommended manufacturers		Bluescope, Baosteel	
Core thickness		50mm, 75mm, 80mm, 100mm, etc	
Core material name		Polyurethane, Glass wool, Rock wool	



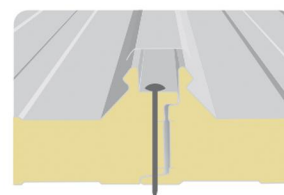
Template Drawing



Lap Joint Schematic Diagram



Template Drawing



Lap Joint Schematic Diagram

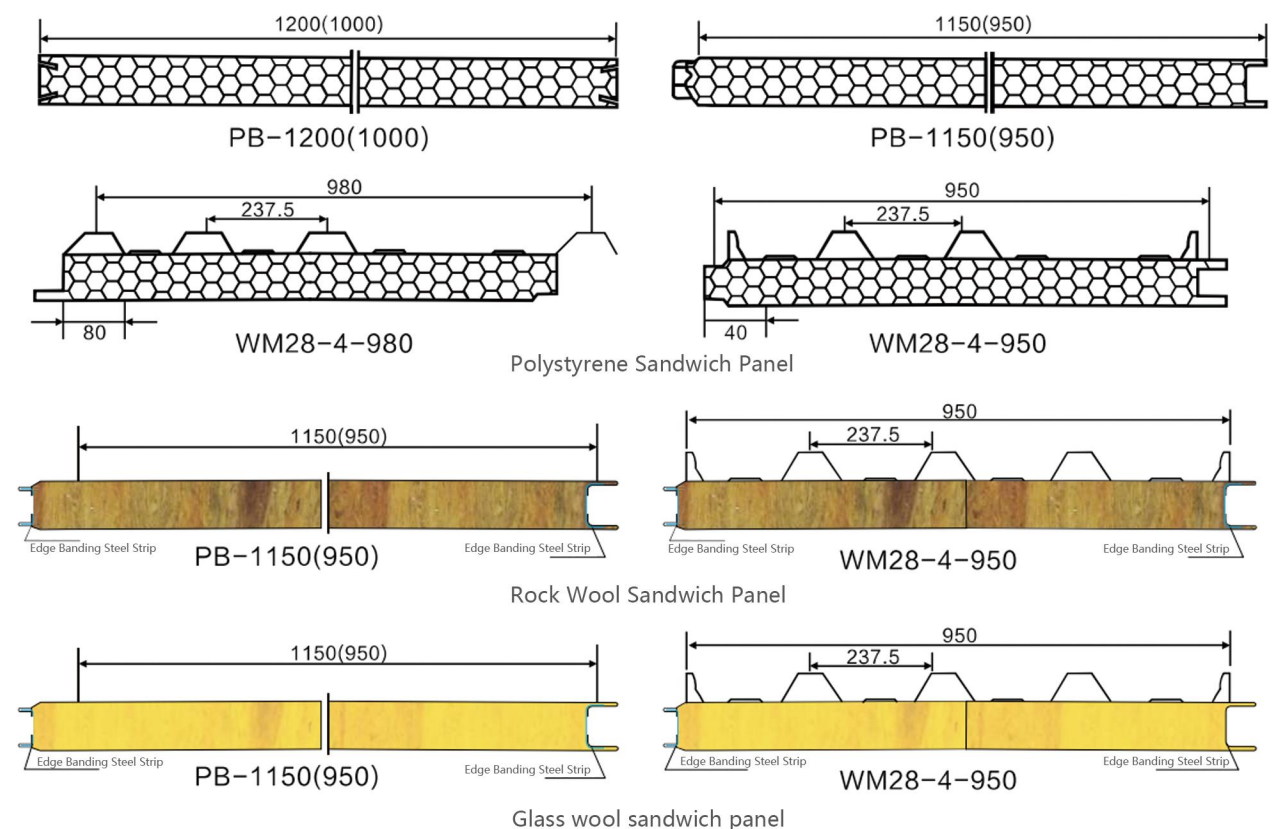
► Sandwich panel

Sandwich panels consist of two layers of formed metal sheets (or other material facings) with a polymer-based insulating core that is directly foamed and cured between them. These prefabricated panels offer easy installation, lightweight properties, and high energy efficiency.

The core utilizes a closed-cell molecular structure, effectively preventing moisture condensation.

Advantages of sandwich panels

- **Thermal Insulation:** Minimizes outdoor temperature transfer, achieving energy-saving efficiency.
- **Fire Resistance:** The overall combustibility reaches Class A non combustible composite material;
- **Noise Reduction:** Improve the sound insulation effect of buildings and avoid noise interference;
- **Aesthetic Durability:** Replicates aluminum curtain wall aesthetics with long-term anti-fouling surface properties;
- **Construction Efficiency:** Fast construction, greatly shortening the construction period compared to traditional building materials;
- **Economy:** It is more economical to significantly reduce the number of purlins in the building wall system.



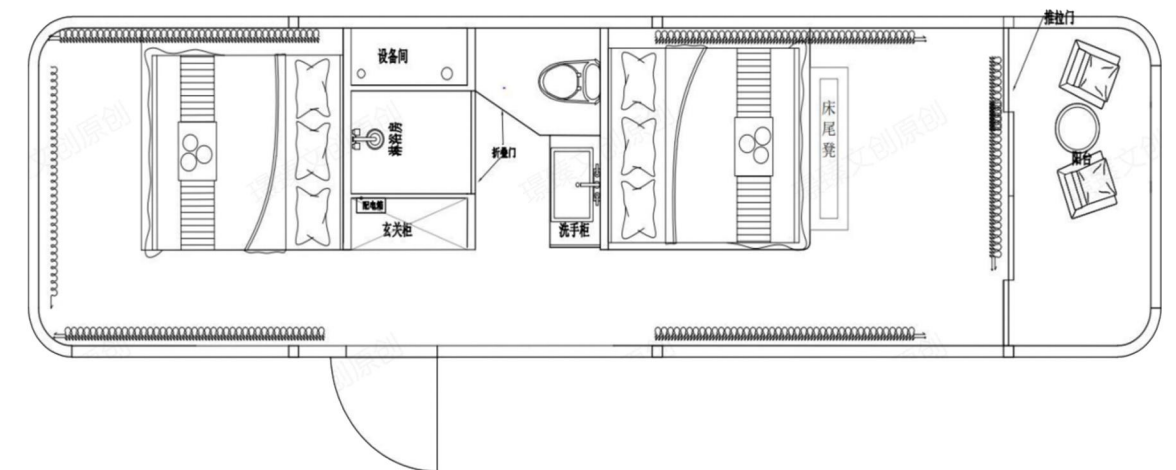
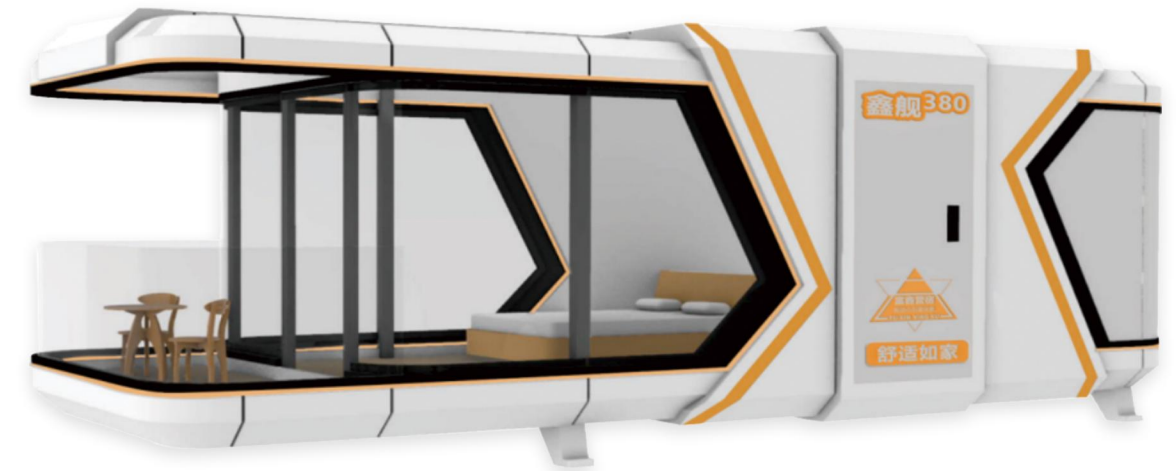
MOBILE MODULE SERIES >>>

Space Capsule: A Revolutionary Era in Alternative Accommodation!

The space capsule homestay, also known as a mobile homestay or outdoor sunroom, is a type of prefabricated structure designed for leisure, entertainment, or lodging in outdoor scenic areas.

The concept of space capsule hotels originated abroad—initially as compact, single-occupancy pods intended for short-term stays. Over time, these evolved into movable space capsule homestays or boutique hotels. Typically constructed with reinforced steel frames and aluminum exterior panels, these units feature multi-panel tempered glass walls to allow guests to enjoy surrounding views. Inside, they are equipped with bedding, furniture, lighting systems, bathroom facilities, and compact appliances.

● XinJian 380



Mobile Five-Star Home

Model: Xinjian 380;

Size: 11.5m (L) × 3.3m (W) × 3.2m (H);

Area: 38m²;

Structure: Thickened steel frame, aluminum exterior panel, polyurethane insulation layer, panoramic curtain wall glass 6+12+6 insulated glass, aluminum doors and windows, intelligent access control for entry, foot support;

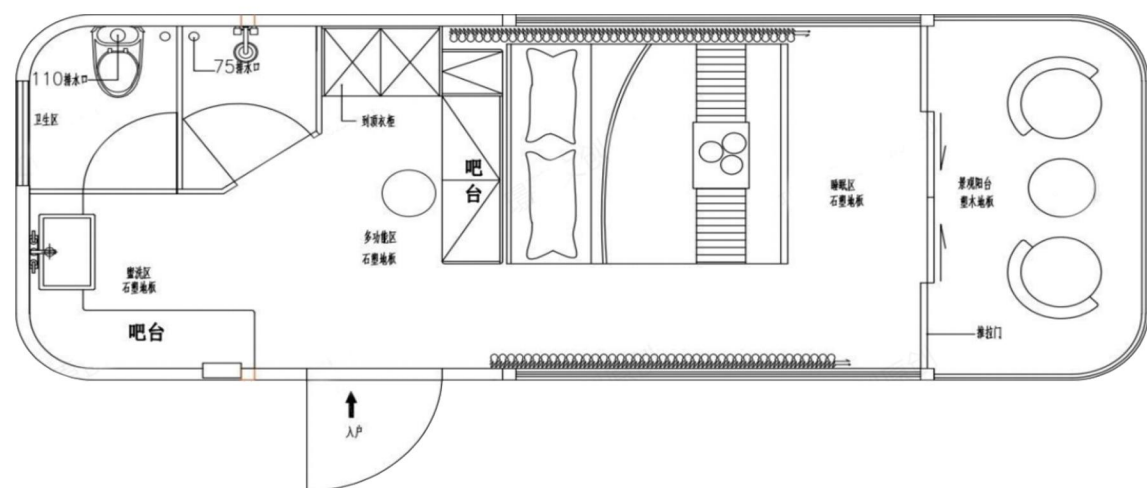
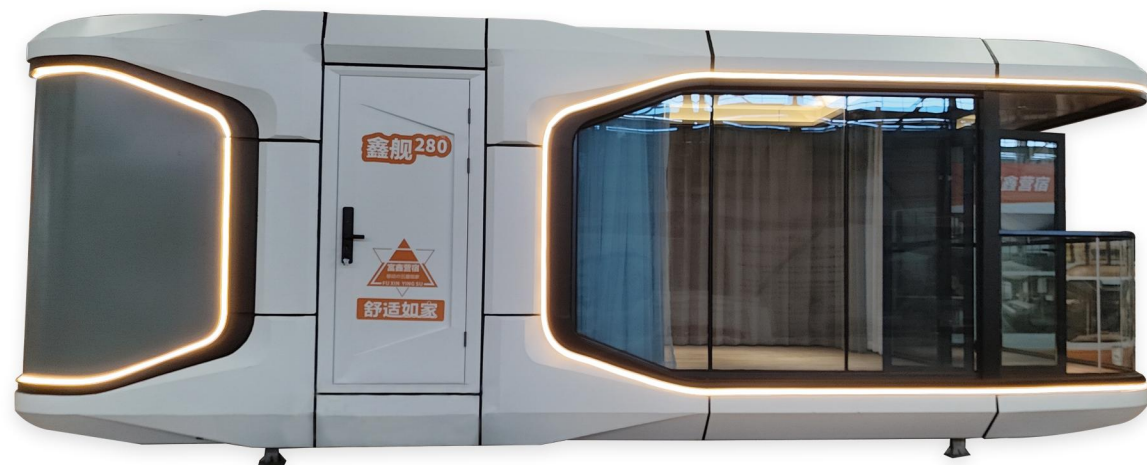
Configuration: Carbon crystal panel wall, advanced waterproof stone plastic floor, indoor and outdoor multi-color warm light, electric curtains, whole house intelligent system, branded socket panel;

Bathroom: Glass sliding door, smart toilet, water heater, showerhead, branded basin, branded faucet;

Equipment: Midea central air conditioning, water heater, air heating multi in one integrated bathroom heater;

Optional: Electric underfloor heating, water pipe antifreeze, projector, fire smoke alarm, starry sky roof.

● XinJian 280



Mobile Five-Star Home

Model: Xinjian 280;

Size: 8.5m (L) × 3.3m (W) × 3.2m (H);

Area: 28m²;

Structure: Thickened steel structure frame, aluminum exterior panel, polyurethane insulation layer, panoramic curtain wall glass 6+12+6 insulated glass, aluminum doors and windows, intelligent access control for entry, foot support;

Configuration: Carbon crystal panel wall, advanced waterproof stone plastic floor, indoor and outdoor multi-color warm light, electric curtains, whole house intelligent system, branded socket panel;

Bathroom: Glass sliding door, smart toilet, water heater, showerhead, branded basin, branded faucet;

Equipment: Midea central air conditioning, water heater, air heating multi in one integrated bathroom heater;

Optional: Electric underfloor heating, water pipe antifreeze, projector, fire smoke alarm, starry sky roof.



► Villa

Size: 11.5m (L) × 3.3m (W);

Area: 38m²;

Configuration: Transparent appearance, large indoor area, panoramic french window, single bed/double bed, thermal insulation wall, high-power air conditioner, whole room floor heating, endless swimming pool, wild luxury hotel style experience.



► Starlight Cabin

Size: 11.5m (L) × 3.3m (W);

Area: 38m²;

Configuration: Space cabin appearance, large indoor area, large french window, single bed/double bed, thermal insulation box, high-power air conditioner, hotel experience.



► Cloud Cabin

Size: 8.5m (L) × 3.3m (W);

Area: 28m²;

Configuration: Space cabin appearance, large french window and skylights, single beds, thermal insulation boxes, high-power air conditioners, hotel experience.

ATTRIBUTES & ADVANTAGES >>>



► Regional characteristics

Planning and design will deeply explore and integrate local cultural and folk characteristics, fully creating local IP.

► Intelligent and Trendy

Flexibly integrate cutting-edge smart systems and avant-garde technologies to enhance spatial comfort.



► Sustainable

All G-TECH products are prefabricated modular buildings, designed for reusability, recyclable materials, and eco-friendly sustainability.

ATTRIBUTES & ADVANTAGES >>>

► Rich in originality

With a powerful R&D and design team, we rapidly update and iterate a large number of original products every year. The company holds over 70 intellectual property patents.



► Rich products

We provide diverse modular products (space capsules/container houses) in high, medium and low-end options to meet all your needs.

► Resource Links

G-TECH have the advantage of linking resources to various product resource circles.





▲ Space Capsule Building

APPLICATION AREA >>>

Tourism Sector: Space capsules offer visitors a unique accommodation experience. These units can be installed in scenic natural locations—such as beaches, mountainsides, or forests—allowing guests to enjoy breathtaking views while immersed in comfortable living conditions. With panoramic windows, the capsules create a seamless connection with nature, particularly appealing to travelers seeking novel experiences.

Office Applications: Space capsules can serve as temporary workspaces, especially at outdoor exhibitions, music festivals, or sporting events. They provide a quiet and comfortable environment to meet basic office needs.

Personal Leisure Use: Additionally, these capsules can function as private retreats. Placed in home gardens, rooftops, or suburban plots, they offer a tranquil space for reading, meditation, or relaxation.



▲ Container Building

APPLICATION AREA >>>

Tourism & Special Events: Container houses can rapidly accommodate large-scale temporary lodging needs at tourist campsites and event venues. Their compact design fits confined spaces, while their modular nature allows flexible relocation to adapt to seasonal tourism flows or crowd fluctuations.

Commercial Applications: These units serve innovatively designed small businesses like pop-up shops, coffeehouse and studios. Their adaptable layouts also make them ideal for temporary retail spaces, exhibition pavilions, and promotional installations.

Construction Sites: Widely deployed as on-site worker dormitories, site offices, or storage facilities, container buildings provide instant setup/removal solutions. They offer weatherproof temporary housing for night-shift construction crews.

Emergency & Disaster Response: During natural disasters or humanitarian crises, container houses are extensively utilized for relief operations due to their transportability and rapid deployment. They deliver emergency shelter and basic living infrastructure to affected populations.

Modular Integrated Building



Product Introduction

Packaged Cabins and Rapid-Assembly Cabins are modular, movable, and reusable prefabricated building units. They consist of a high-strength galvanized steel frame and insulated composite wall panels. All structures, wall panels, electrical circuits, and flooring are prefabricated in the factory, requiring only on-site lifting, connection, and fixation before they are ready for use.

These cabins are easy to transport and store. They can be used individually or combined and stacked in multiple units to meet various needs such as offices, accommodations, and storage.

Fully prefabricated in the factory and rapidly installed on-site, some models can even be deployed without tools, saving both labor and construction time.

Robust and Durable

- The frame is available in various thicknesses (2.0~3.0mm) and can be reused over 50 times.
- Designed for long-term outdoor use, it can withstand wind forces of up to Grade 10 and seismic activity of up to Grade 8. The double-layer waterproof design ensures no leakage.

Technical Parameters (Standard Specifications)

- **Dimensions:** Standard unit: 6055 × 2990 × 2896 mm (Customizable)
- **Maximum Dimensions:** Length: 9m, Height: 4m
- **Wall Panel Thickness:** 50 / 75 / 100 mm (Selectable)
- **Roof Beam:** 180mm | Floor Beam: 160mm
- **Weight:** 1.2 - 1.5 tons
- **Load Capacity:** The roof is walkable; tested and proven safe with 20 people standing simultaneously.
- **Fire Rating:** Rock wool wall panels - Class A fire rating (Other fireproof materials available as an option)
- **Lifespan:** 10 - 20 years

Application Scenarios

- **Temporary Construction Sites:**
Used as offices, dormitories, and tool storage; can be relocated as the project progresses.
- **Disaster Relief:**
Serves as temporary hospitals and shelters; can be rapidly assembled within 24 hours.
- **Residential Living:**
Customizable layouts including bedrooms, kitchens, and bathrooms to meet long-term living needs.

Our Advantages

- **Direct Supply from the Source:** Shipped directly from the factory, ensuring transparent pricing.
- **Guaranteed Quality:** Robust structural materials, anti-rust electrostatic spraying, and a double-layer waterproof roof.
- **Flexible Customization:** Supports various customizations including exterior finishes, interior layouts, doors/windows, partitions, and pitched roof options.
- **Efficient Logistics:** Suitable for sea and land transport; electrical systems can be adapted to export standards like Australian (AS/NZS) or British (BS) codes.



Container House Products



Foldable container house

Size: 6m (L) × 3m (W);

Area: 18m²;

Configuration: A common standard sized box on the market. Foldable, convenient for transportation, and does not take up space. Installation is also simple, just stand up with a crane and you can use it.



Foldable container house

Size: 6m (L) × 8.6m (W);

Area: 51.6m²;

Configuration: A common standard sized box on the market. But after being stretched on both sides, it is equivalent to the size of three containers and can be used as different spaces.



Standard container house

Size: 6m (L) × 3m (W);

Area: 18m²;

Configuration: A common standard sized box on the market. This size is commonly seen in construction sites and road construction.

Other supporting products



Container House



Container Mobile Shop



Mobile Medical Cabin



Mobile Toilet



Smart Energy Storage Cabinet



Fireproof & Explosion-Proof Cabin for Fireworks Retail

● Light Steel Villa



Product Introduction

Light Steel Villa is a prefabricated building that uses cold-formed thin-walled steel as the primary structural material, with prefabricated components connected by bolts.

Structural characteristics: Lightweight, high strength, and excellent seismic performance.

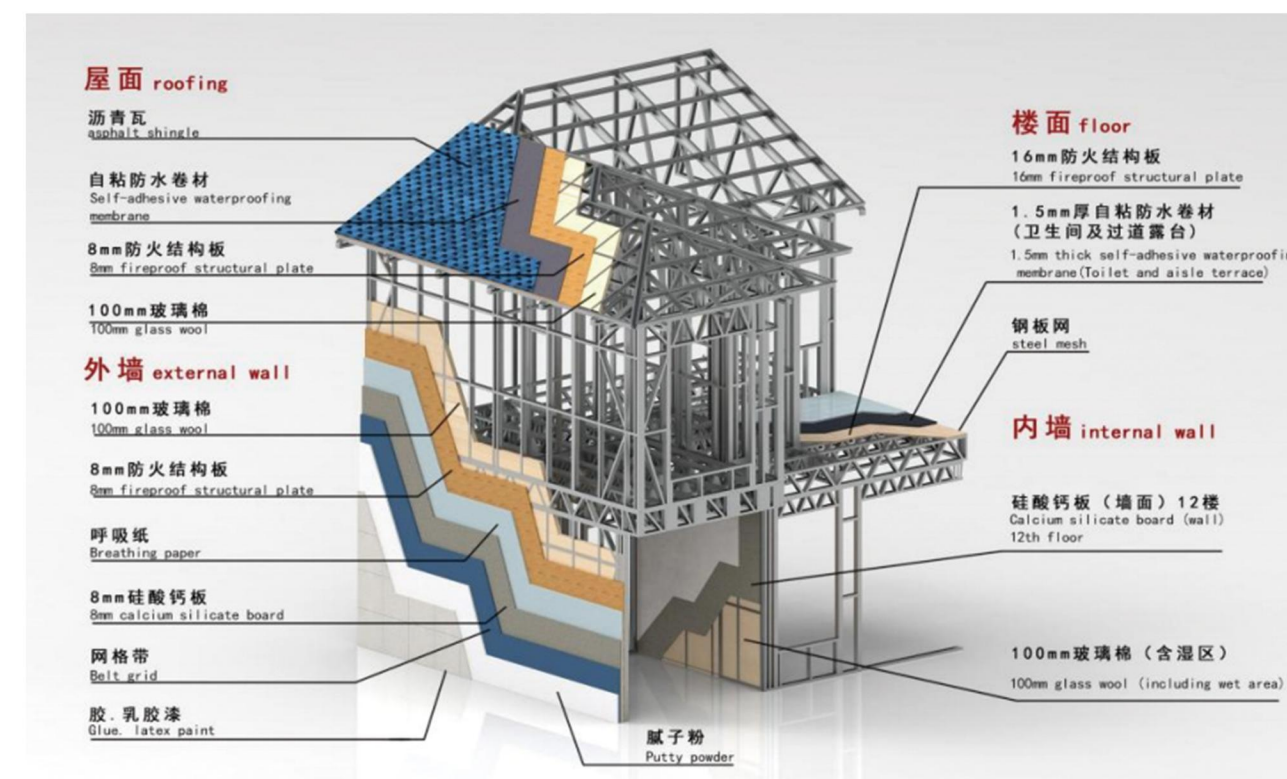
Development History of Light Steel Villas

- **Origins:** First applied in the United States and Canada in the early 20th century.
- **Development:** Gradually promoted worldwide with advancements in technology.
- **Current Status:** Gaining popularity in the Chinese market and becoming a significant representative of global prefabricated construction.

Core Concepts of Light Steel Villas

- **Eco-Friendly & Energy Efficient:** Features recyclable materials and a low-carbon construction process.
- **High-Efficiency Construction:** Short building cycle, ideal for rapid urbanization needs.
- **Exceptional Resilience:** Withstands earthquakes up to magnitude 9 and typhoons up to level 13, with excellent thermal insulation and moisture resistance.

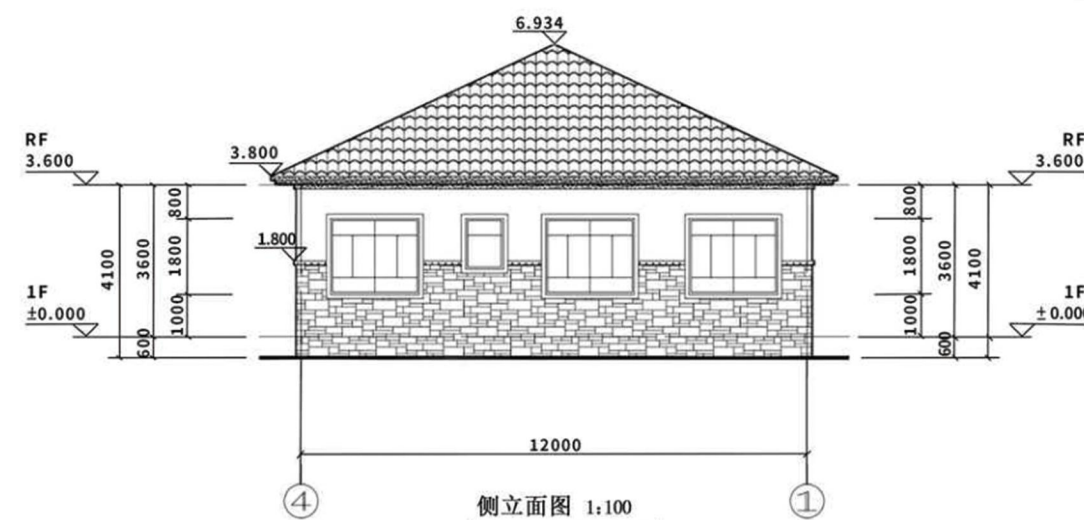
Design and Construction of Light Steel Villas



● Light Steel Villa



一层平面图 1:100



侧立面图 1:100

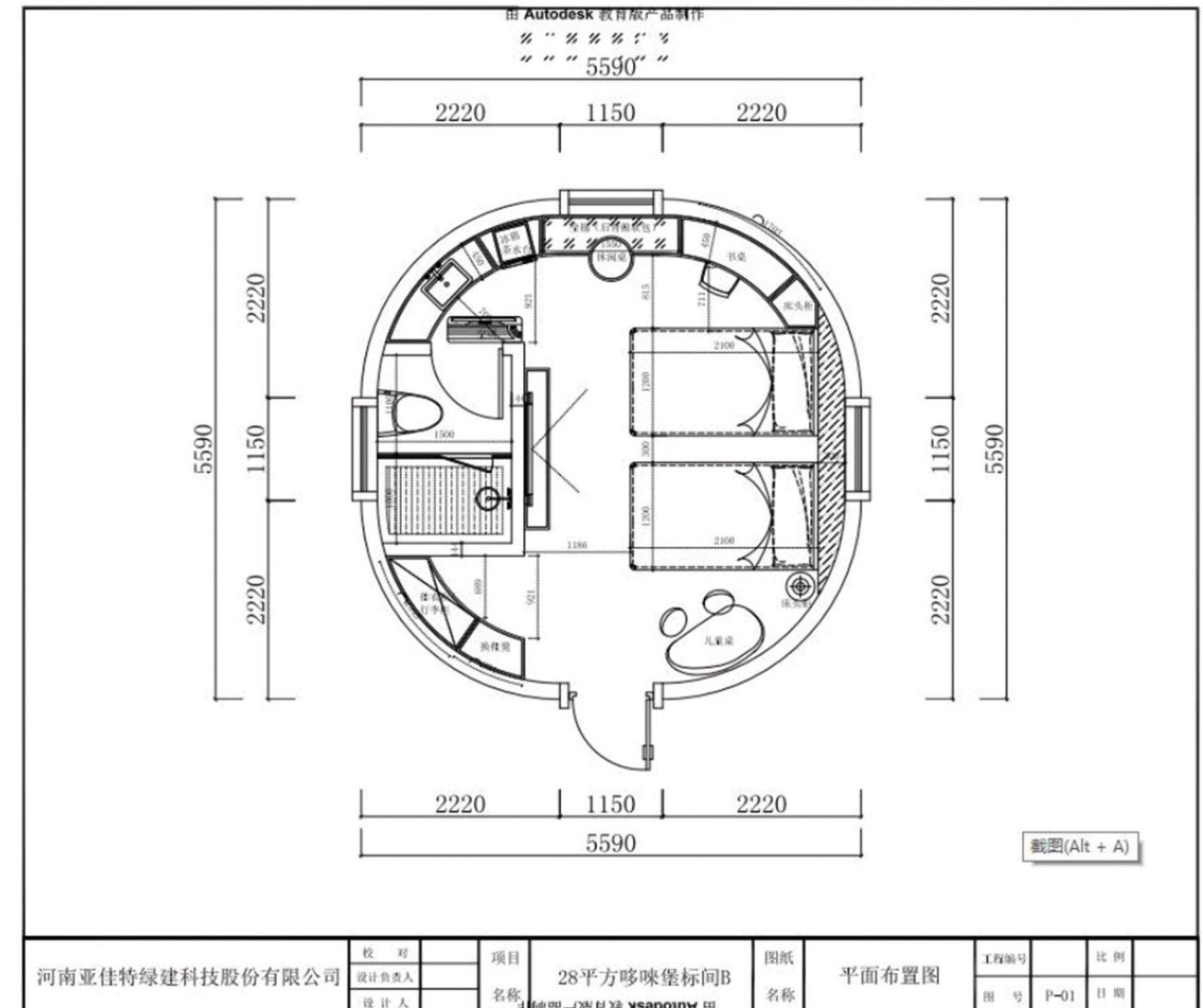
Lightweight Thermally Insulated House



Unit Overview

- **Layout:** 1 Door, 2 Windows / 1 Door, 3 Windows
- **Area:** 28m² Specification
- **Dimensions:** 5.59m (L) × 5.59m (W) × 3.3m (H)
- **EPS Module Thickness:** 18cm
- **Export Certification:** CE
- **Module Fire Rating:** Class B1
- **Core Material:** Graphite EPS Panel

Lightweight Thermally Insulated House

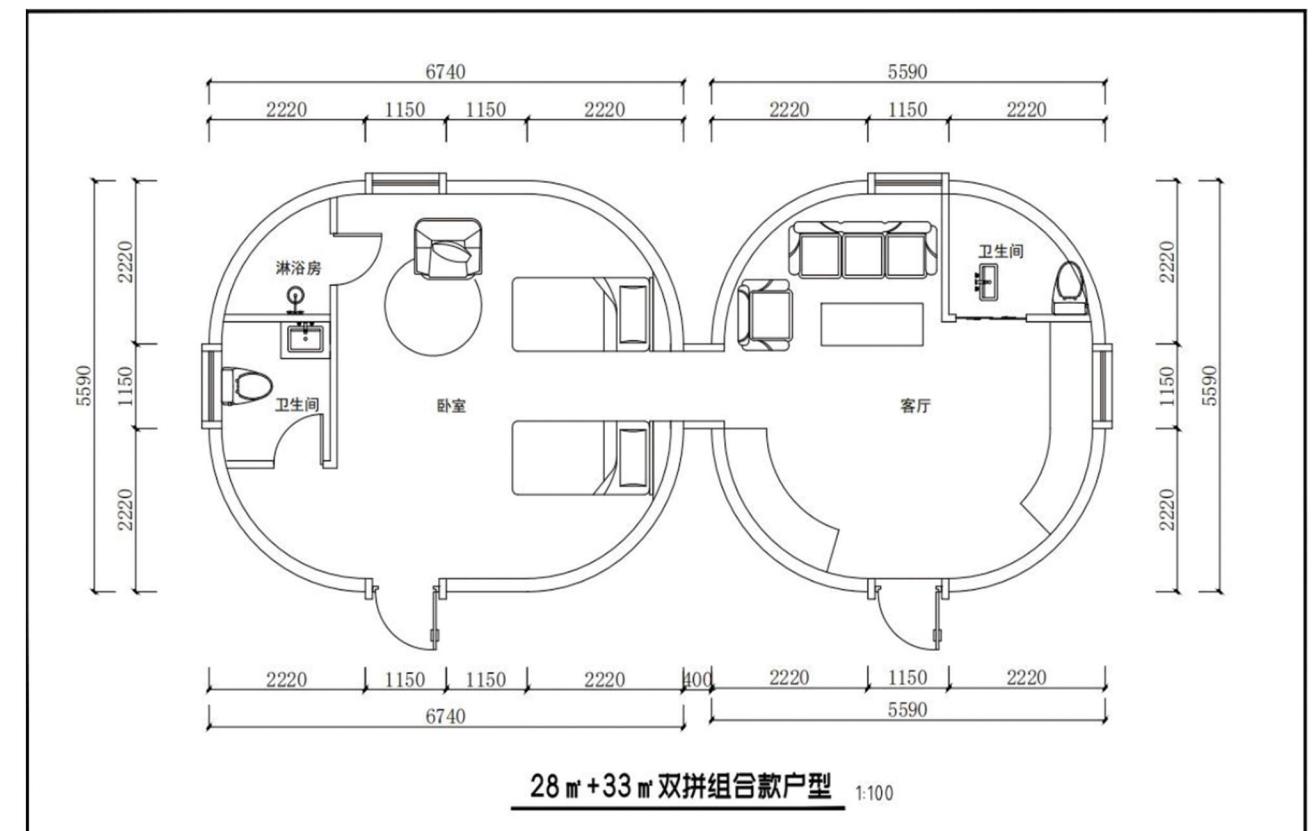


28m² ESP Dome House Unit

Lightweight Thermally Insulated House



Lightweight Thermally Insulated House



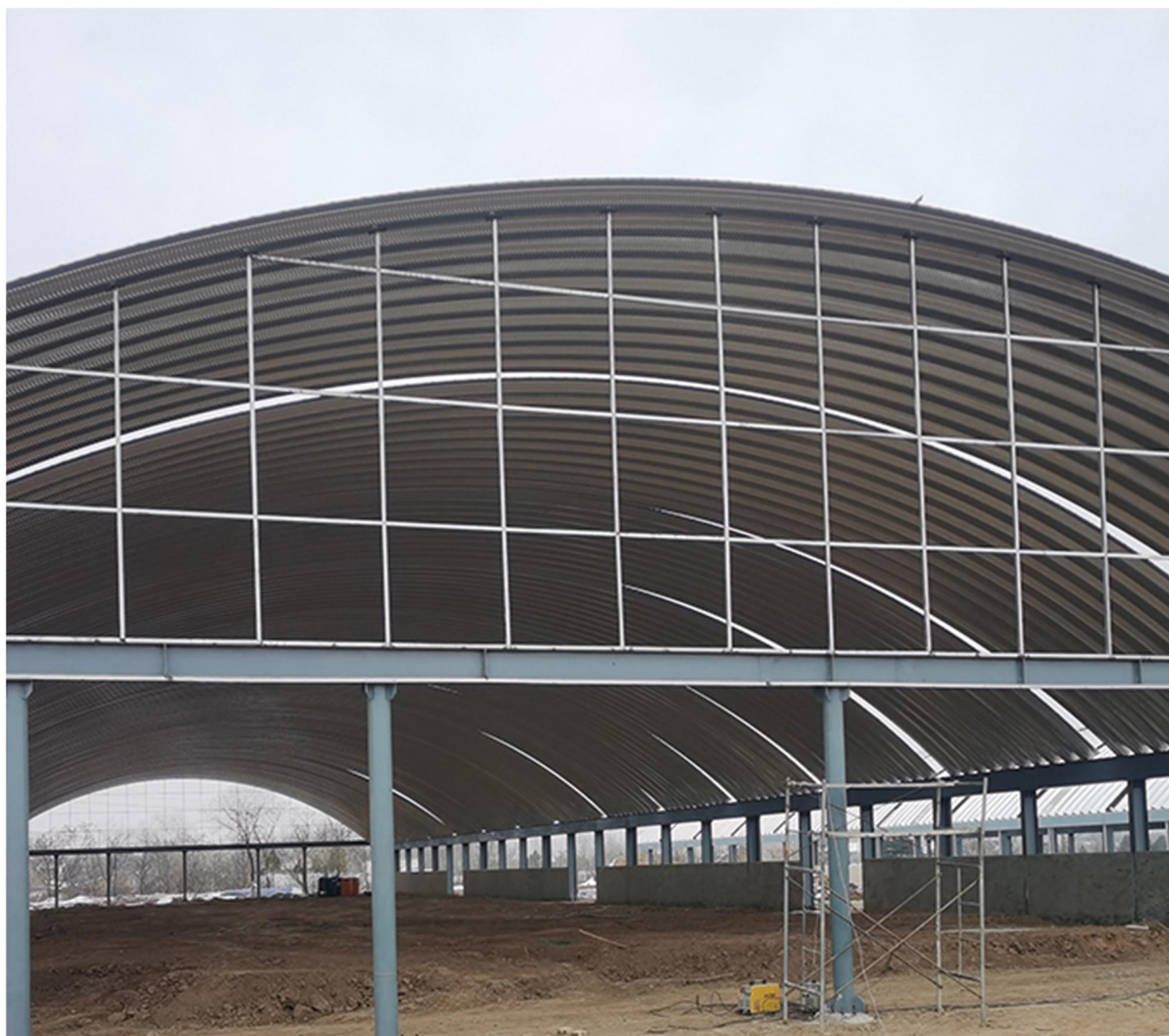
33m²+28m² ESP Dome House Unit

Unit Overview

- **Layout:** 1 Door, 2 Windows / 1 Door, 3 Windows
- **Area:** 61m² Specification
- **Dimensions:** 12.73m (L) × 5.59m (W) × 3.3m (H)
- **EPS Module Thickness:** 18cm
- **Export Certification:** CE
- **Module Fire Rating:** Class B1
- **Core Material:** Graphite EPS Panel



● Steel structure carports



Product Introduction

A steel structure carport is a common type of shelter that uses steel as its primary structure. Its advantages include high stability and a long service life.

Steel structure carports are characterized by high stability and strict construction standards. Through rational structural composition and rigorous construction protocols, they ensure safety and stability, extend their service life, and provide users with a reliable protective environment for parking.

The structural composition of a steel structure carport mainly includes the following aspects:

- **Steel Framework:** The steel framework is the main body of the carport, constructed from steel pipes or beams. It offers high strength and stability, enabling it to withstand external wind forces and its own weight. Common steel types include carbon steel and alloy steel, selected based on the carport's design requirements and environmental conditions.
- **Cladding Materials:** Cladding materials typically include polycarbonate panels or polyethylene film. These materials provide excellent weather resistance and light transmittance, effectively protecting vehicles parked beneath from sun and rain.
- **Connecting Components:** Connecting components, such as bolts and nuts, are essential for securing the steel framework and cladding materials together.



PROJECT CASE >>>

Our company manufactures a wide range of construction products including floor decking, metal roofing, wall panels, and purlins. These products are extensively used in: multi-story steel structure floors, reinforced concrete structure floors, precast concrete floors, industrial plants, stadiums, subway stations.

They are also widely adopted in various specialized construction applications: irregular floor structures (circular, elliptical, and other shapes), LOFT mezzanines, long-span structures, basement structures, sunken slab structures, thick slab structures, sloped roofs, multi-layer steel structures, residential steel structures.

● HIGH-RISE BUILDING

► Shenzhen Bay Square One



● High-rise Building



► Wuhan Yangtze River Center



► Changsha Shimao Global Financial Center



► Changsha Fuson Qianlong Financial Center



► Shenzhen Bay Coastal Business Center

● High-rise Building



► Langham Hotel, Dawang Mountain, Changsha



► Zhuhai Hengqin East-West Convergence



► Jinmao Plaza Twin Towers, Meixi Lake, Changsha

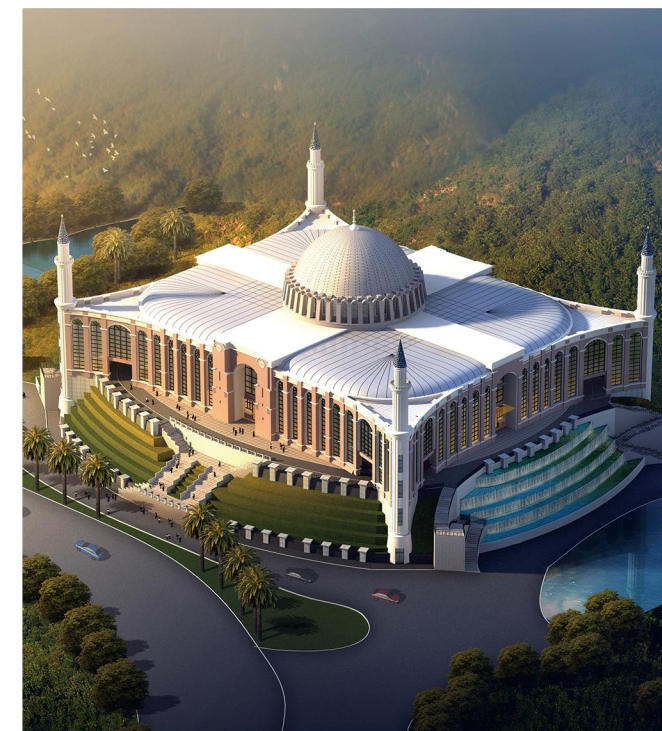


► Wuhan Hang Lung Plaza

● Multi-story Building



► Guangzhou International Campus, South China University of Technology
Winner of the 2022 Golden Waterproof Award (Gold Prize) - Science & Technology Award for Engineering Excellence in Building Waterproofing Industry



► Changsha Social Work College Gymnasium

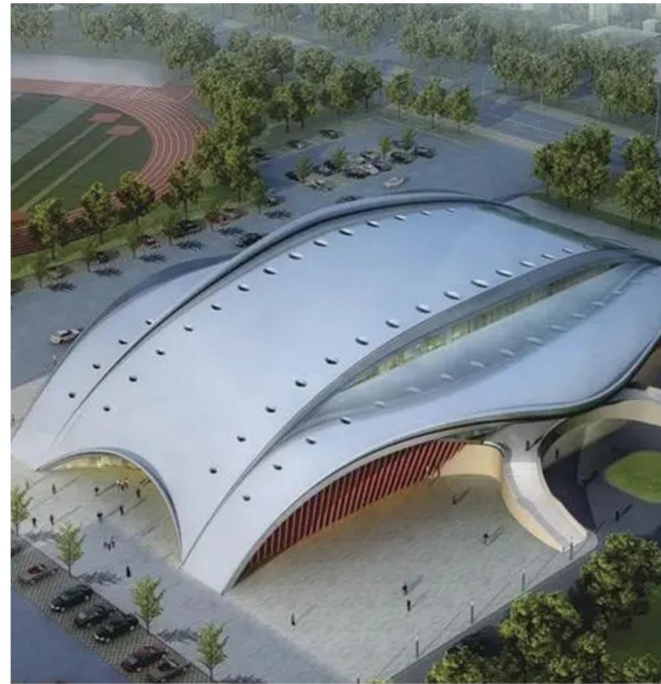


► Zhuhai Campus Integrated Complex, Beijing Normal University

● Multi-story Building



► Sangfor Cybersecurity & Cloud Computing R&D Base



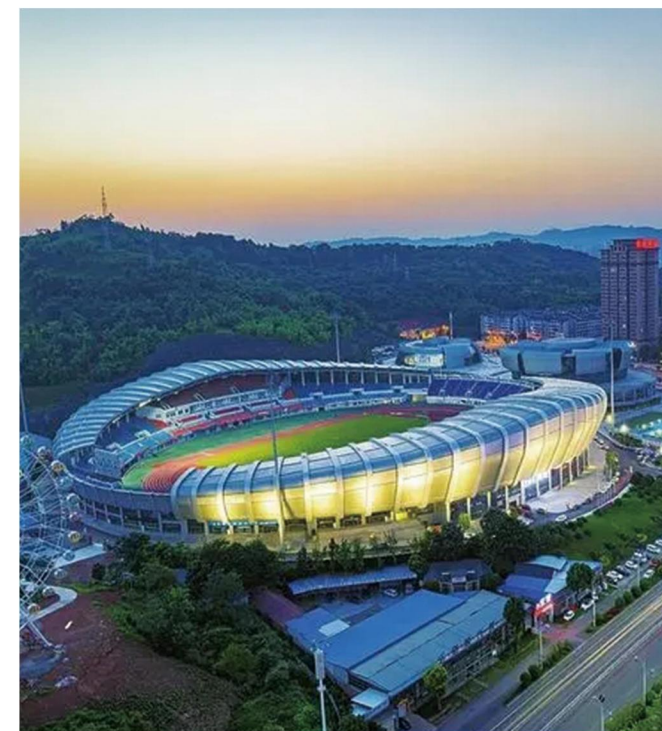
► Beitun Youth Palace, Xinjiang



► Zhengzhou Olympic Sports Center, Henan



► Qingyuan Library, Guangdong

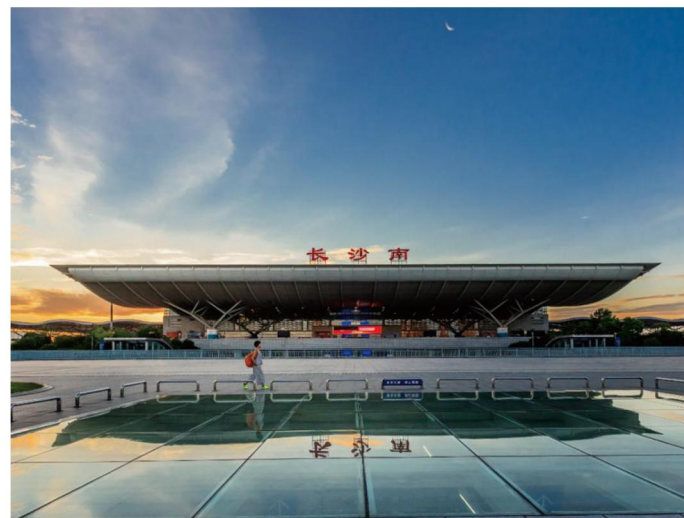


► Dazu Stadium, Chongqing



► Changsha International Convention and Exhibition Center

Multi-story Building



A	B
C	D

A、Anren Service Area Complex, Chachang Expressway

B、Jinpenqiu Station, Line 1, Changsha Metro

C、Jinxia Station, Line 1, Changsha Metro

D、Changsha South High-speed Railway Station

Industrial Plant



► Lens Technology Laser Smart Manufacturing Plant



► Zhuzhou Xinma Power Innovation Park (II)



► Changsha Hengyu New Retail Smart Park



► Mendale Wangcheng Industrial Park

● Industrial Plant



► Sany Intelligent Connected Heavy Truck & Construction Machinery Expansion Plant, Changsha



► Plant of Ningxiang Sany Automotive Crane Machinery Co., Ltd.



► Sany Smart Steel City, Zhuzhou, Hunan



► CATL Xiamen New Energy Battery Industrial Base



► Shanying Paper Industrial Plant, Zhaoqing, Guangdong



► Midea-KUKA Manufacturing Plant, Foshan



► Huayou 50,000-ton Battery-grade Lithium Salt Plant, Guangxi

● Industrial Plant



► Anqing Smart Industrial Park, Anhui



► Qianshan Project, Anhui



► Chahe New Energy Industrial Park, Chuzhou, Anhui



► Power Battery Plant, Chuzhou, Anhui



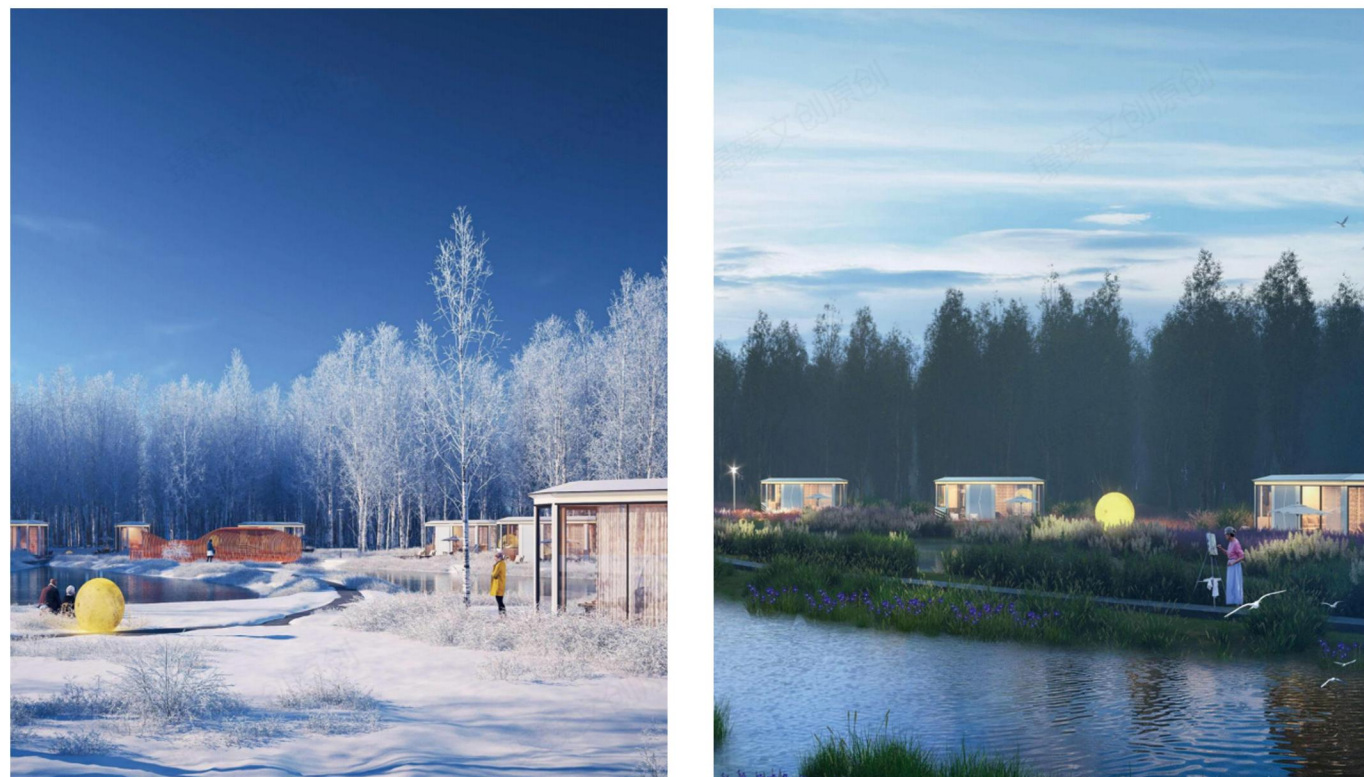
► Economic Development Zone Innovation Demonstration Base, Chuzhou, Anhui



A	D
B	
C	

- A、 Jiangxi Youngor Digital Factory Plant
- B、 Chongqing Machine Tool (Group) Plant
- C、 Chongqing Sany Southwest Intelligent Manufacturing Industrial Park
- D、 Xiangtan CAS-Fu Hai Plant, Hunan

● **Space Capsule:** Wuqia Township Camp, Kashgar, Xinjiang



● **Space Capsule:** CRRC Luanping Ski Resort



● **Space Capsule:** Shaoyang Lecture Academy Camp



● **Space Capsule:** Changsha Dongyaogang Camp



◎ Modular Integrated Building



◎ Modular Integrated Building



● Container Shops



● Container Rooms



● Villa



● Villa



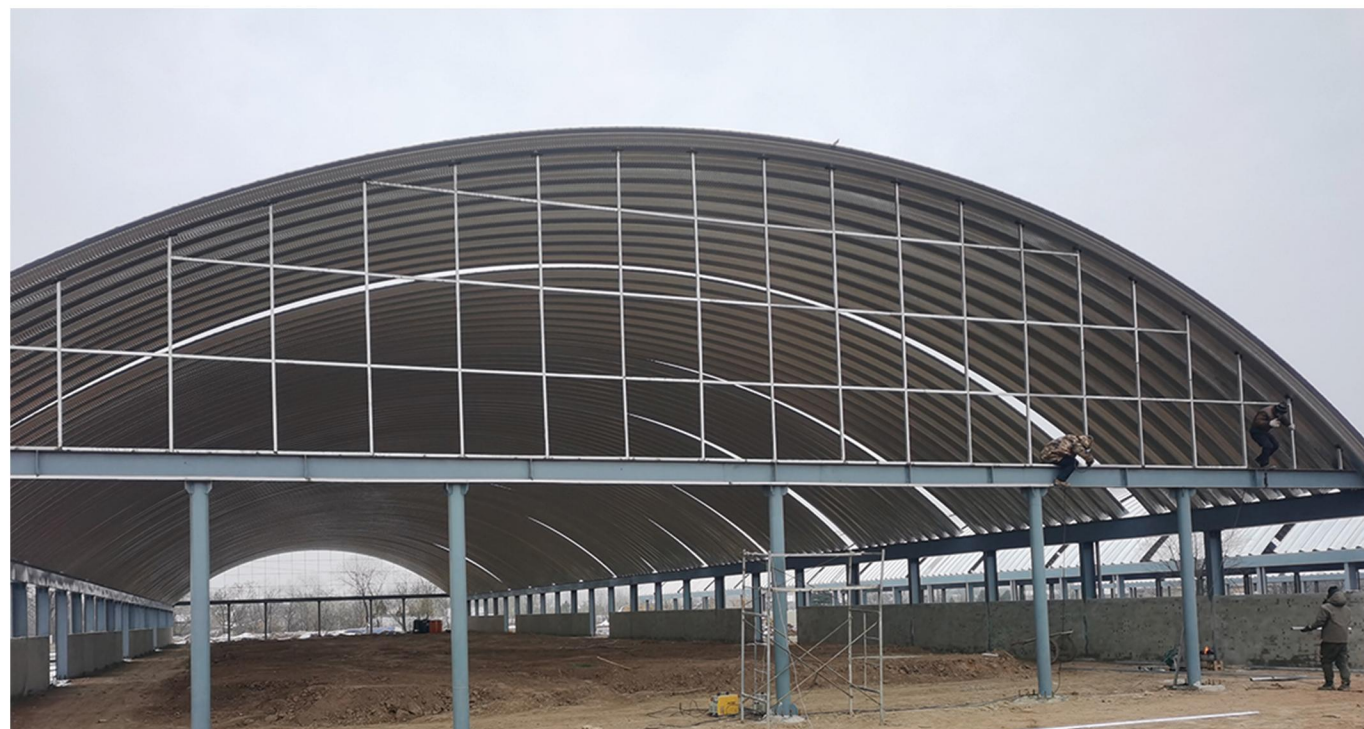
◎ Lightweight Thermally Insulated House



◎ Lightweight Thermally Insulated House



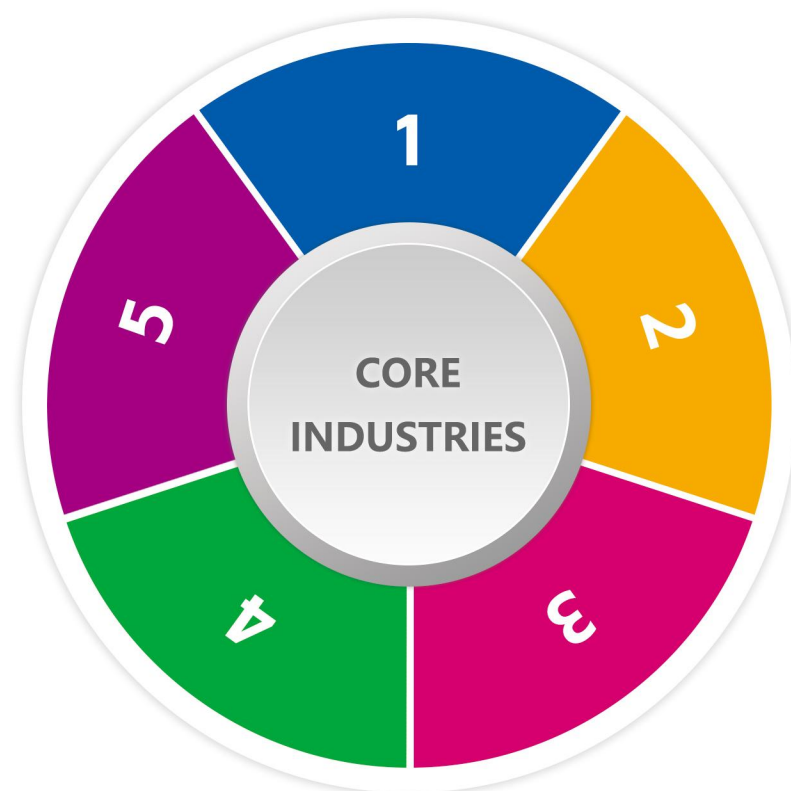
● Steel structure carports



● Steel structure carports



CORE INDUSTRIES >>>



Five Core Industries of the Group:

1、Hunan G-Tech Manufacturing Co., Ltd

Specialize in the assembly of prefabricated steel structure projects and in the installation and maintenance of metal cladding system.

2、Xiangtan G-Tech Manufacturing Co., Ltd

Specialize in the production and manufacturing of steel structure metal cladding building materials.

3、Hunan Zhongwei Kejian Manufacturing Co., Ltd

Specialize in the design, research and development, production, installation, and after-sales service of spatial steel structure components for various industrial plants, high-rise main steel structures, bridge steel structures, equipment steel structures, airport terminals, large convention centers, and sports venues.

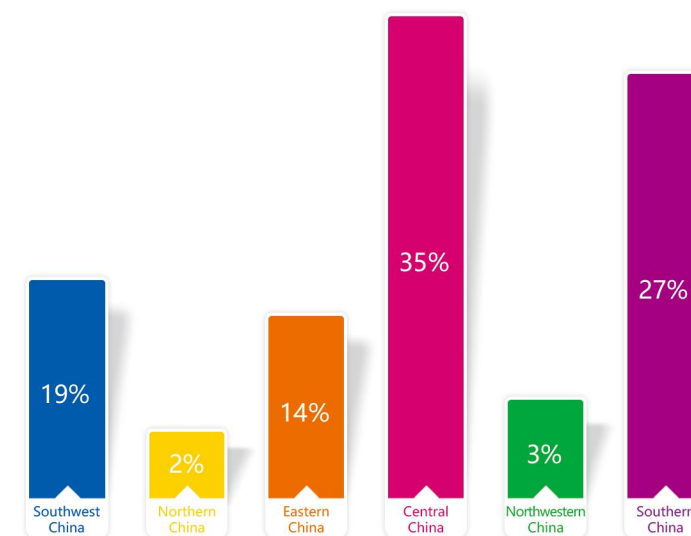
4、Xiangtan Zhongwei Tech Co., Ltd

Specialize in the production and manufacturing of steel structure metal cladding building materials.

5、Hunan Naite Tech Co., Ltd

Specialize in the production of ventilation and daylighting systems for industrial and large-scale architectural factory buildings.

BUSINESS DISTRIBUTION >>>



Since its establishment, the company has undertaken **203** engineering projects, covering an area of over **5 million** square meters, with business scope covering **26** provinces and regions nationwide.

COMPANY CUSTOMER >>>

**Good Product
Customer Satisfaction**



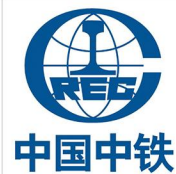
**Integrity
Establishes Business**



**Integrity
Establishes Character**



**Courageously
Innovate**



Customer Focus



**Honesty and Trustworthiness,
Service First**

EMPLOYEE ACTIVITIES >>>



▶ G-TECH Team Participates in Yuhu Hi-Tech Zone Tug-of-War Competition



▶ G-TECH Team Participates in Yuhu Hi-Tech Zone Tug-of-War Competition



▶ G-TECH Team Participates in Yuhu Hi-Tech Zone Table Tennis Competition



▶ G-TECH Team Participates in Yuhu Hi-Tech Zone Table Tennis Competition



▶ The Chairman and General Manager led the G-TECH team in the competition



▶ G-TECH Team Achieves Double Silver: Table Tennis & Tug-of-War Runner-up

LEADERSHIP CARE >>>



▶ Mao Wanchun, Chairman of the Hunan Political Consultative Conference (first from the right)



▶ Hu Hebo, Secretary of Xiangtan Municipal Party Committee (second from left)



▶ Xiang Min, former member of the Standing Committee of the Xiangtan Municipal Party Committee and Secretary of the Political and Legal Affairs Commission (first from the left)



▶ Zhong Jianrong, Deputy Director of the Standing Committee of the People's Congress of Xiangtan City (first from the left)



▶ Liu Liangting, Vice Chairman of the Xiangtan Municipal Political Consultative Conference (first from the left)



▶ Liu Junhui, Deputy Secretary and District Chief of Yuhu District Committee in Xiangtan City (first from the right)