



GUANGDONG DESHION INDUSTRY CO.,LTD

CONCEPT:

Technological Innovation, Cooperation In The Future

ONE-STOP SOLUTION:

Glass facade system / Alu. Door&Window / Steel structure / Balustrade



E-Mail:admin@deshion.cn **Web:**www.deshionglasswall.com

Tel:(+86)760-8998-3259 (+86)0760-8998-3260

Factory address

Maojin Rd, Baishihuan village, Sanxiang town, Zhongshan city, China

Office address

No.1 of 20th floor, Royal Business Tower, No118 of Xingwen Rd, East Zone of Zhongshan city, GD528405, China

CATALOG
PRODUCT CATALOG
2021



CLICK ON THE TEXT TO JUMP

Glass curtain wall

Alu. Door&Window

Steel structure

Balustrade

Project Case



OUR MISSION:

To provide superior quality products and services for overseas customers and become an outstanding enterprise.

Company profile

GuangDong Deshion Industry Co.,Ltd is a wholly-owned subsidiary of Guangdong Dongsen Metal Doors and Windows Co., LTD, and also well known as a comprehensive manufacturer that provides doors and windows, glass facade system, railings as well as steel structure.

Our factory is located in Zhongshan, China, which is close to the ports of Shenzhen and Guangzhou. The plant covers an area of 35,000 square meters and owned 400 employees & experienced engineering team. We have large automatic hardware surface treatment production line, including automatic degreasing, rust removal, spraying and the whole line is 450 meters long. We are not only a professional product supplier but an expert engineering contractor, have specialized in glass curtain wall and operations management of different projects from proposal→site measurement→design→production→installation.

Our company has been certified as a national High-tech enterprise and through the ISO, CE&SGS qualification certificates. In the past 13 years, our products and services have been widely praised and appreciated by China's TOP10 real estate development companies such as Country Garden, Sunac, Agile Property,etc. Also the monthly production value is over 4 million US dollars. With a view to the strong overseas market, the company also wants to export its own product system and brand, and create the second strategic support point for the sustainable development of the enterprise.

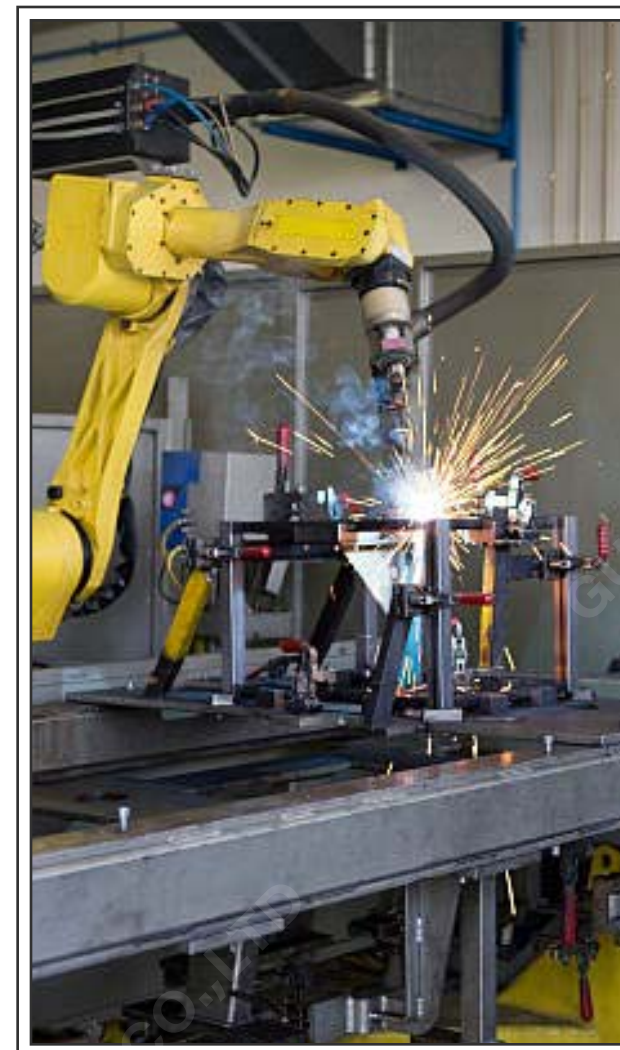
Guangdong Deshion industry will continue to provide customized superior quality products and services for domestic and overseas customers with the concept of "Technological innovation, cooperation in the future".

WE LOOK FORWARD TO WORKING WITH YOU

Production Workshop Overview



Part of workshop show



SOUDAL

Prestatieverklaring
In overeenstemming met de Europese Voorziening N°305/2011

Soudal Silirub Cleanroom

Revisie: 23/04/2016 Pagina 1 van 4
Referentienummer DOP: 23007

Unieke identificatiecode van het product:
Soudal Silirub Cleanroom

Het bedoelde gebruik van het bouwproduct:
Voegkitten voor gevelelementen voor interieur en exterieur gebruik, bedoeld voor gebruik in koud klimaat.
Voegkitten voor sanitaire toepassingen.

Bouwproduct in overeenstemming met de toepasselijke geharmoniseerde technische specificaties:
EN 15851-1:2012; Type F - EXT-INT-GC; KLASSE 2SLM
EN 15851-3:2012; Type S; KLASSE XS1

Het systeem of de systemen van beoordeling en verificatie van de prestatiebestendigheid van het bouwproduct, zoals vermeld in bijlage V:
Systeem 3: voor essentiële kenmerken
Systeem 3: voor brandreactie

Naam en het contactadres van de fabrikant, zoals voorgescreven in artikel 11 (5):
Soudal NV, Everdongenlaan 18-20, 2300 Turnhout, Belgium

De aangemelde instantie:
IFT Rosenheim GmbH, NB 0757 heeft de volgende taken uitgevoerd: Bepaling van het producttype op grond van typeonderzoek onder systeem 3.

CSI
CERTIFICATION
PAS-Mark
Product Conformance

Foshan Shengyu Qunli Glass Technology Co., LTD.

Address:
F1, Dongan Village Committee, Qingtang Village, Baini Town, Sanshui District, Foshan City, Guangdong Province, China, 528131

This is entitled to use the PAS-Mark as shown above, on products manufactured under the Rules & Requirements of the Product Assessment Scheme, a program assessed by Certification Solutions International Pty Ltd to ensure the manufacturing process has the capability to consistently produce products in compliance with:

AS/NZS 2208:1996 Safety glazing materials in buildings
(including Amendment 1)

Assessment ID No: CSI-ID 7541 Certification date: 28th July 2020
Issue date: 3rd August 2020 Expiry date: 13th August 2021
Certificate No: CSI-ID7541-2020-08-C1

This certificate shall be read in conjunction with the accompanying Product Compliance Schedule. Subject to the client complying with the Product Assessment Scheme, Rules & Requirements, this certificate shall be renewed annually.

Azma Khan
Managing Director
Certification Solutions
International Pty Ltd

The current validity of this document should be checked by contacting admin@csi-certification.com PASP_014 1193

中国船级社质量认证公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION COMPANY

质量管理体系认证证书
QUALITY MANAGEMENT SYSTEM CERTIFICATE

兹证明
迁安正大通用钢管有限公司
(注册生产地址: 迁安市赵店子镇双马路北侧 邮编: 064403;
统一社会信用代码: 91130283079988436R)

This is to certify that the Quality Management System (QMS) of
QIANAN ZHENGDA GENERAL STEEL PIPE CO., LTD.
(Registered Production Address: NORTH SIDE OF SHUANGMA ROAD, ZHUODIANZI TOWN, QIANAN CITY, HEBEI PROVINCE, 064403, P.R.CHINA, Uniform Code of Social Credit: 91130283079988436R)

建立的质量管理体系符合标准: GB/T19001-2016/ISO9001:2015,
has been found to conform to standard: GB/T19001-2016/ISO9001:2015.

本证书对下述范围的质量管理体系有效: *资质范围内螺旋埋弧焊钢管、直缝高频焊接钢管、热镀锌高频焊接钢管、热镀锌方矩形高频焊接钢管、直缝高频焊接方矩形钢管的生产。*

This certificate is valid to the following scope for QMS: "LICENSE WITHIN THE SCOPE OF PRODUCTION OF SPIRAL SEAM SUBMERGED ARC WELDED STEEL PIPE, STRAIGHT SEAM HIGH-FREQUENCY WELDED STEEL PIPE, HOT DIP GALVANIZED HIGH FREQUENCY WELDED STEEL PIPE, HOT DIP GALVANIZED SQUARE RECTANGULAR HIGH FREQUENCY WELDED STEEL TUBE AND STRAIGHT SEAM HIGH-FREQUENCY SQUARE RECTANGULAR STEEL TUBE".

发证日期: 2019年8月29日
Issued on: 29 August 2019
有效期至: 2022年9月6日
This certificate is valid until: 6 September 2022

General Manager Huang Shiyuan

CERTIFICATE
Environmental Management Systems Certificate

Certificate Number: 00219E31174R3M
CQM hereby certifies that
Guangdong Weiyue Aluminium Factory Group Co.,Ltd.

United Social Credit Code: 91440607310481839E
Dianlihe No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Certificate Add.No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China (528225)

has implemented and maintains a Environmental Management System which fulfils the requirements of the following standards
GB/T 24001-2016/ISO 14001:2015
Environmental management systems- Requirements with guidance for use
This certificate is valid to the following product(s)/service:
Production of architecture aluminium alloy profiles (anodized profiles, electrophoretic coating profiles, powder coating profiles, fluorocarbon coating profiles, thermal barrier profiles) and industrial profiles and relevant management activities

Issued on: 2019-05-05
Effective date: 2019-05-05
Validity Date: 2022-05-03
Registration Number: CQM-47-1999-0761-0002

The validity of this certificate can be checked on www.cqm.com.cn, Certificate Confirmation and CQM website.

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zengcheng Road, Haidian District, Beijing 100044, P.R. China
<http://www.cqm.com.cn>

Authorization
to use the quality sign

QUALICOAT

This is to certify that
Guangdong Weiyue Aluminium Factory Group Co., Ltd.
No.1 Fourth, Hongling Road, Shishan Town
Nanhai District
CN – 528225 Foshan City Guangdong
Licence number: 3422

is authorized to use the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICOAT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

Date of issue of the licence: 17.08.2017
Period of validity of the licence: until 31.12.2019

Zurich, 4 December 2018

QUALICOAT CERTIFICATION BODY

M. C. Panam Josef Schoppig
President Managing Director

Phone: +41 41 716 95 95
E-mail: info@qualicoat.net
Internet: www.qualicoat.net

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CQM has issued an IQNet recognized certificate that the organization:
Guangdong Weiyue Aluminium Factory Group Co., Ltd.
Certification Add. No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Post code: 528225

for the following scope:
Production of architecture aluminium alloy profiles (anodized profiles, electrophoretic coating profiles, powder coating profiles, fluorocarbon coating profiles, thermal barrier profiles) and industrial profiles
has implemented and maintains a
Quality Management System
which fulfils the requirements of the following standard:
ISO 9001:2015

Issued on: 2019-05-05
Expires on: 2022-05-03

This information is directly linked to the IQNet member's original certificate and shall not be used on a stand alone document.
Registration Number: CN-00219Q22184R3M

Alex Stoichitotu
President of IQNet

Ji Xiaodong
General Manager of CQM

TUV NORD

CERTIFICATE
CONCERNING FACTORY PRODUCTION CONTROL
ACCORDING TO EN 15088:2006, ANNEX ZA

The Certification Body for Structural Metallic Products of TUV NORD Systems GmbH & Co. KG hereby certifies in accordance with the Regulation (EU) Number 305/2011 of 09 March 2011 that the company
Guangdong Weiyue Aluminium Factory Group Co., Ltd.
No. 1, 4th Road, Hongling Road, Shishan Town,
Nanhai District, Foshan City, Guangdong Province,
528200, P. R. China

has been certified with
their construction product

Extruded products of aluminium and aluminium alloys for load-bearing structural construction works
- Materials and dimensions according to the mentioned product standard -

which was subject to an initial inspection of the products by the manufacturer and that the construction product is subjected to a continuous factory production control (FPC). The Notified Body conducted an initial inspection of the plant and of the FPC and performs continuous monitoring and conformity assessment of the FPC (System 2). The producer is responsible for the usability of the CE-marked structural products acc. to the product standard and the Declaration of Performance (DoP).

Certificate No.: 0045-CPR-2170
Year of first certification: 2017

This certificate has been issued in accordance with the Construction Products Regulation and is valid provided the provisions of the harmonised technical specification indicated are complied with and the manufacturing conditions in the plant or the factory production control are not modified to a major degree.

Hamburg, 02/17/2017

Meehkov
Certification Body
- Structural Metallic Products -
of TUV NORD Systems GmbH & Co. KG
Notified Body, ID number 0045

CERTIFICATE
Quality Management Systems Certificate

Certificate Number: 00219Q22184R3M
CQM hereby certifies that
Guangdong Weiyue Aluminium Factory Group Co.,Ltd.

United Social Credit Code: 91440607310481839E
Dianlihe No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Certificate Add.No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China (528225)

has implemented and maintains a Quality Management System which fulfils the requirements of the following standards
GB/T 19001-2016/ISO 9001:2015
Quality management systems--Requirements
This certificate is valid to the following product(s)/service:
Production of architecture aluminium alloy profiles (anodized profiles, electrophoretic coating profiles, powder coating profiles, fluorocarbon coating profiles, thermal barrier profiles) and industrial profiles

Issued on: 2019-05-05
Effective date: 2019-05-05
Validity date: 2022-05-03
Registration Number: CQM-47-1999-0761-0001

The validity of this certificate can be checked on www.cqm.com.cn, Certificate Confirmation and CQM website.

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zengcheng Road, Haidian District, Beijing 100044, P.R. China
<http://www.cqm.com.cn>

CERTIFICATE
Occupational Health and Safety Management Systems Certificate

Certificate Number: 00219S11003R3M
CQM hereby certifies that
Guangdong Weiyue Aluminium Factory Group Co.,Ltd.

United Social Credit Code: 91440607310481839E
Dianlihe No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China
Certificate Add.No.1, 4th Hongling Road, Shishan Town, Nanhai District, Foshan City, Guangdong Province, China (528225)

has implemented and maintains a Occupational Health and Safety Management System which fulfils the requirements of the following standards
GB/T 28001-2011/OHSAS 18001:2007
Occupational health and safety management systems -- Requirements
This certificate is valid to the following product(s)/service:
Production of architecture aluminium alloy profiles (anodized profiles, electrophoretic coating profiles, powder coating profiles, fluorocarbon coating profiles, thermal barrier profiles) and industrial profiles and relevant management activities

Issued on: 2019-05-05
Effective date: 2019-05-05
Validity Date: 2022-05-03
Registration Number: CQM-47-1999-0761-0003

This certificate will be updated on March 12, 2021 according to GB/T 28001-2021/OHSAS 18001:2007 standard.
The validity of this certificate can be checked on www.cqm.com.cn, Certificate Confirmation and CQM website.

CHINA QUALITY MARK CERTIFICATION GROUP
Address: No.33, Zengcheng Road, Haidian District, Beijing 100044, P.R. China
<http://www.cqm.com.cn>

Certification authority



Cooperative company



Customization process



1.PROPOSAL
Make cost evaluation & scheme design by respecting customers' budget and building codes



2.MEASUREMENT
Send engineers to collect more jobsite conditions of building and environment so as to insure future installation



3.DESIGN
AutoCAD complete schematic designed shop drawing



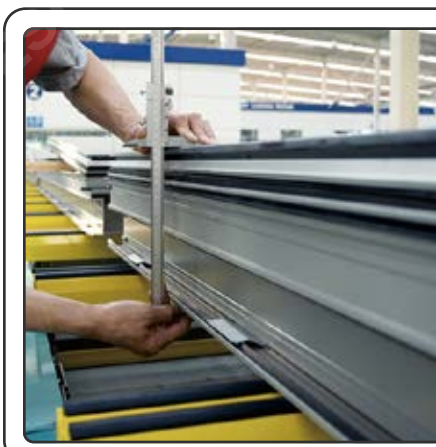
4.CONFIRM
Confirm the project plan drawing and project budget given by the designer



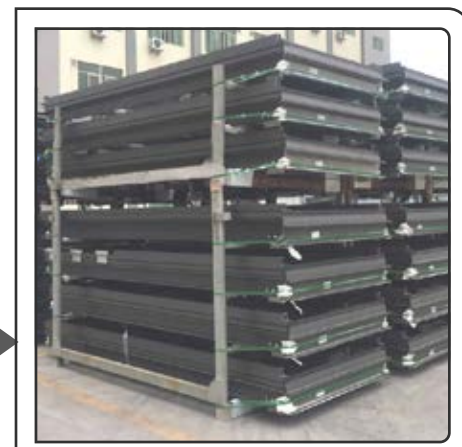
5.SIGN CONTRACT
Sign the contract in accordance with the confirmed design drawings, project budget, delivery date, etc.



6.PRODUCTION
Comply with ISO9001 standard to control process and manage quality



7.INSPECTION
With measuring tools and fixtures to ensure dimensional conformity and installation



8.PACKING
Quality material suitable for land and sea transportation, identifiable shipping mark for better discharge, classification and storage



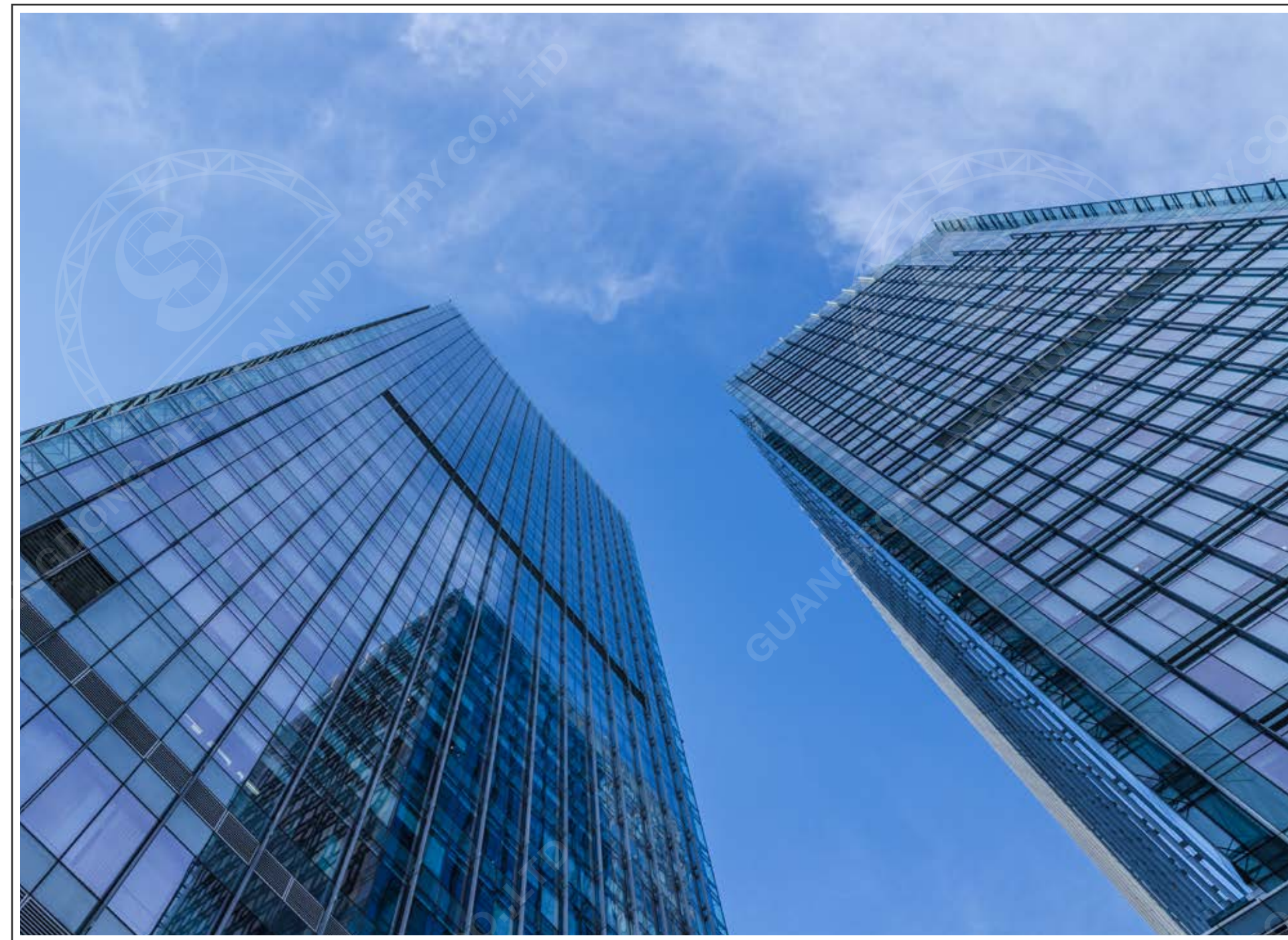
9.DELIVERY
Effective logistic system to arrange booking for FCL and LCL consolidation



10.INSTALLATION
Jobsite technical support and installation guidance

Unitized Aluminum curtain walls features

1. Unit plates are all completed in the factory workshop with high assembly accuracy.
2. Fast installation speed, short construction period, easy to protect finished products.
3. It can be constructed synchronously with the main structure of civil construction, which is beneficial to shorten the whole construction period.
4. The structure adopts the principle of decompression step by step, and the drainage system is set inside, which has good performance of preventing rain seepage and air infiltration.
5. Plate joints are all sealed with special aging resistant rubber strips, which makes the curtain wall has self-cleaning function and the surface is less polluted.
6. The plates are connected by plate grafting, with strong seismic capacity

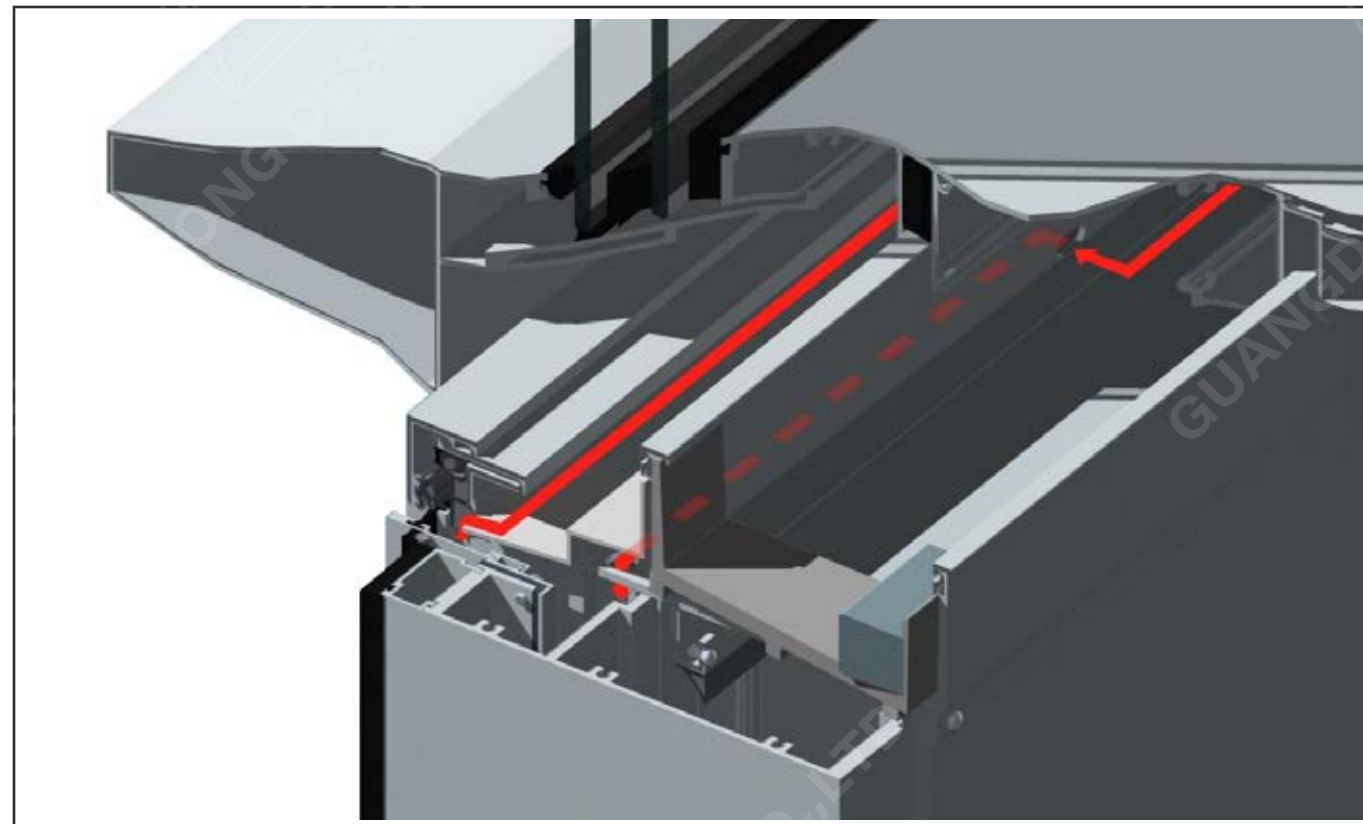


Unitized curtain wall workshop assembly

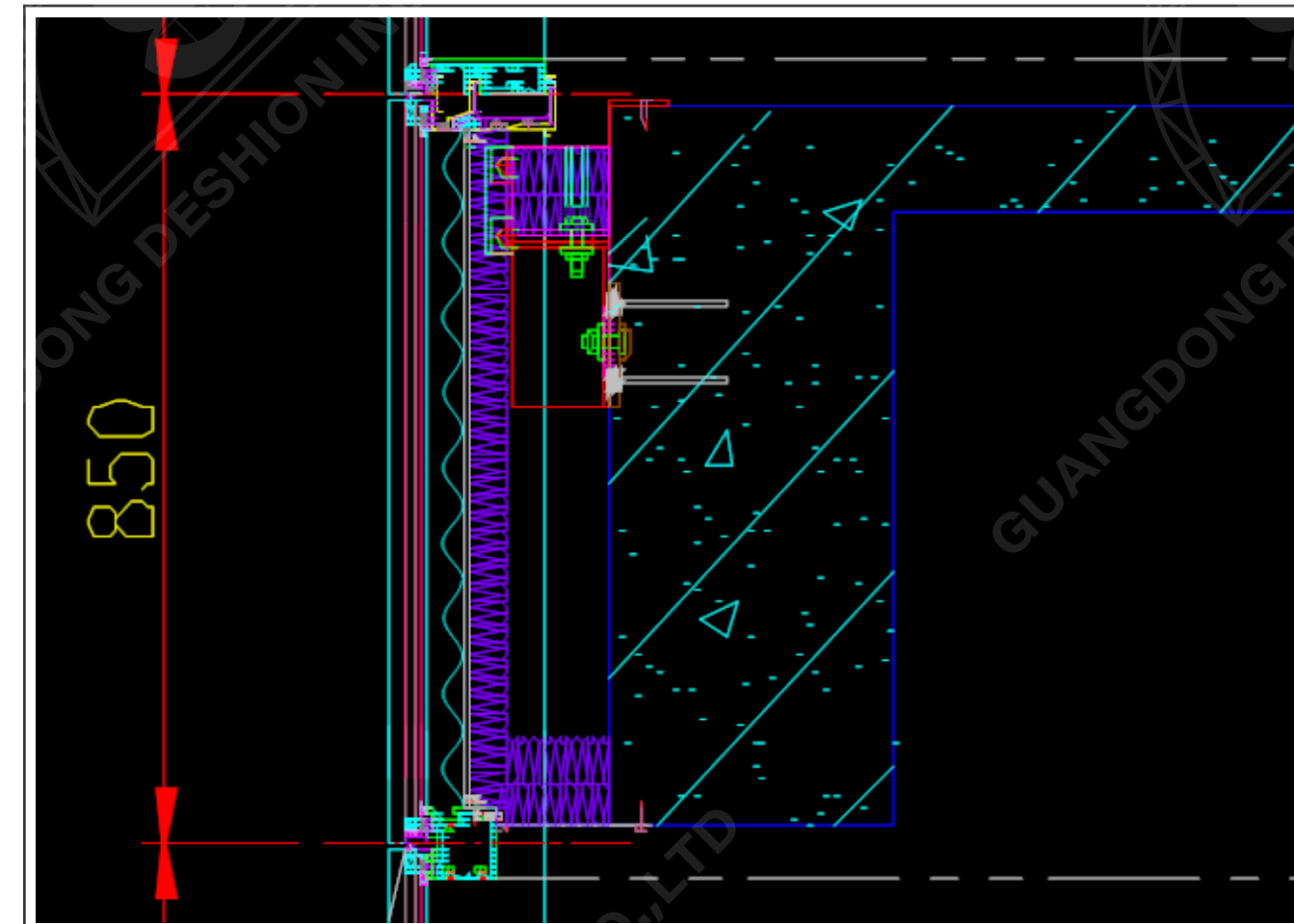
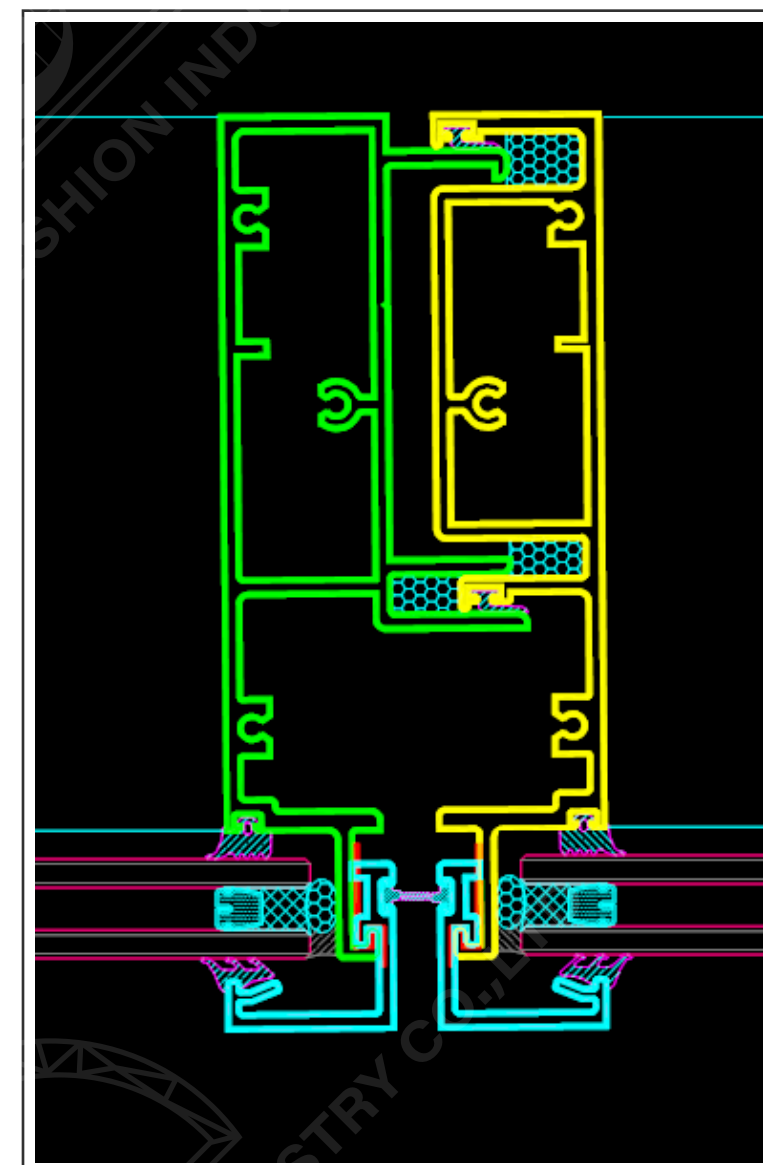


Unitized curtain wall lifting

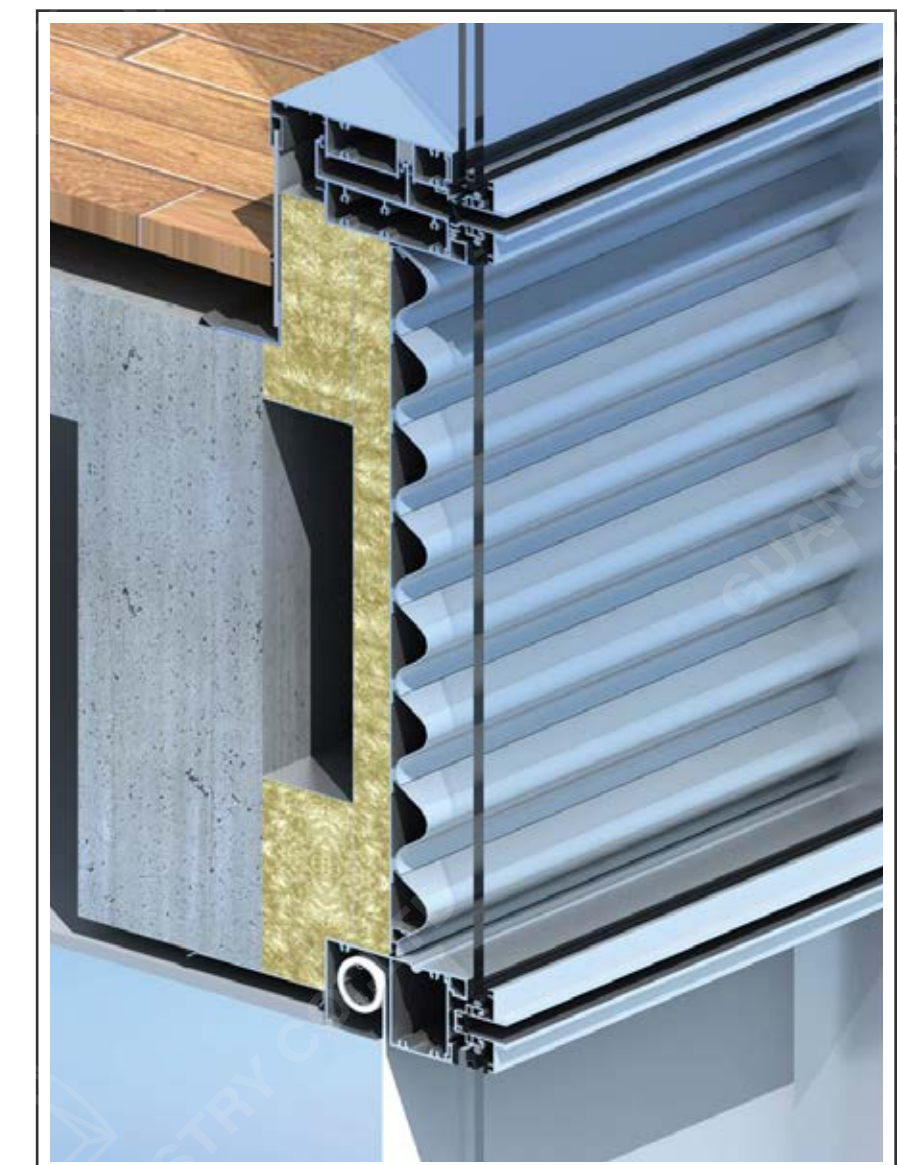
Waterproof Performance



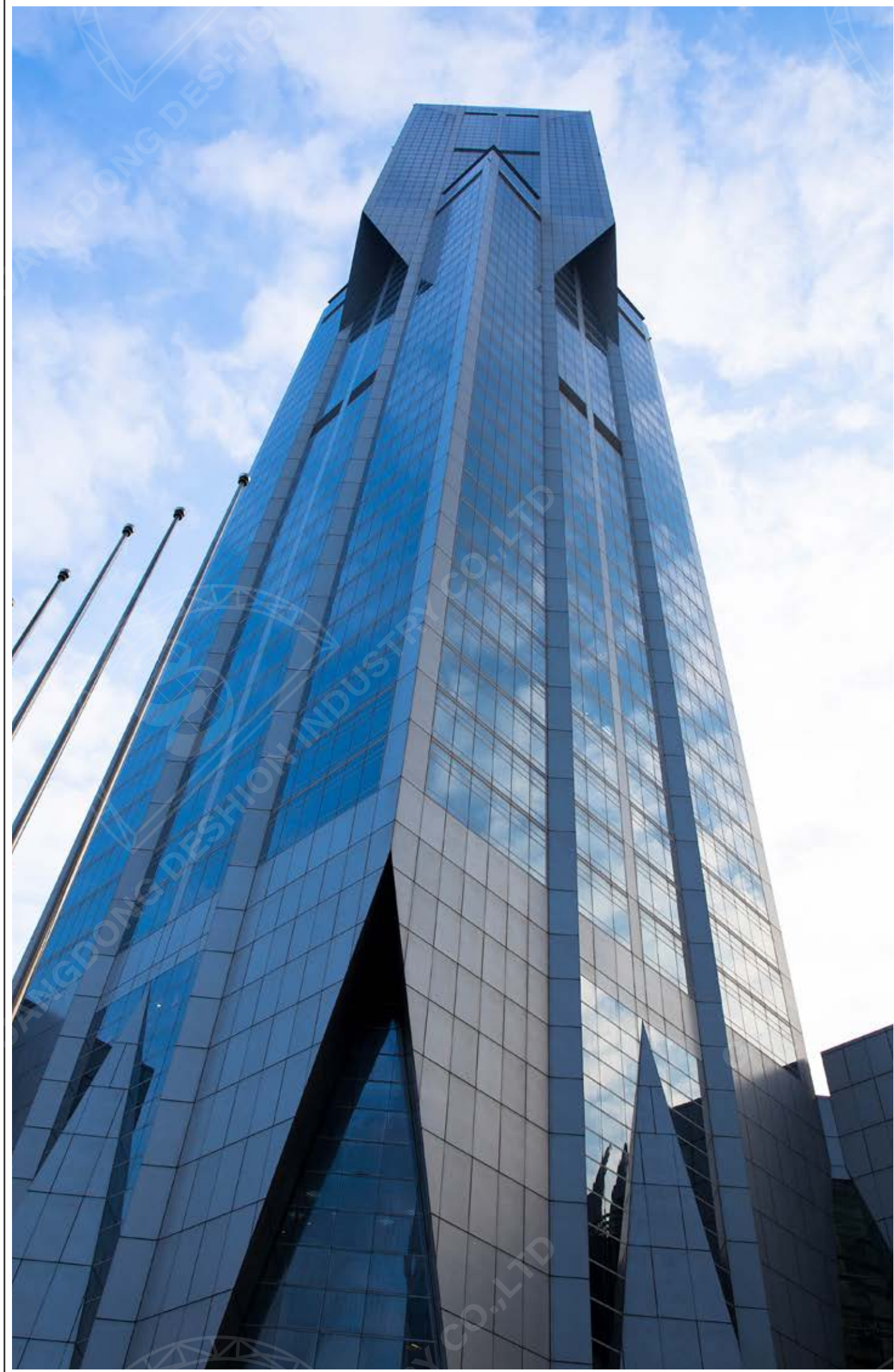
*Unitized curtain wall adopts "isobaric principle", waterproof performance is good



Insulation design of unitized curtain wall



Application field

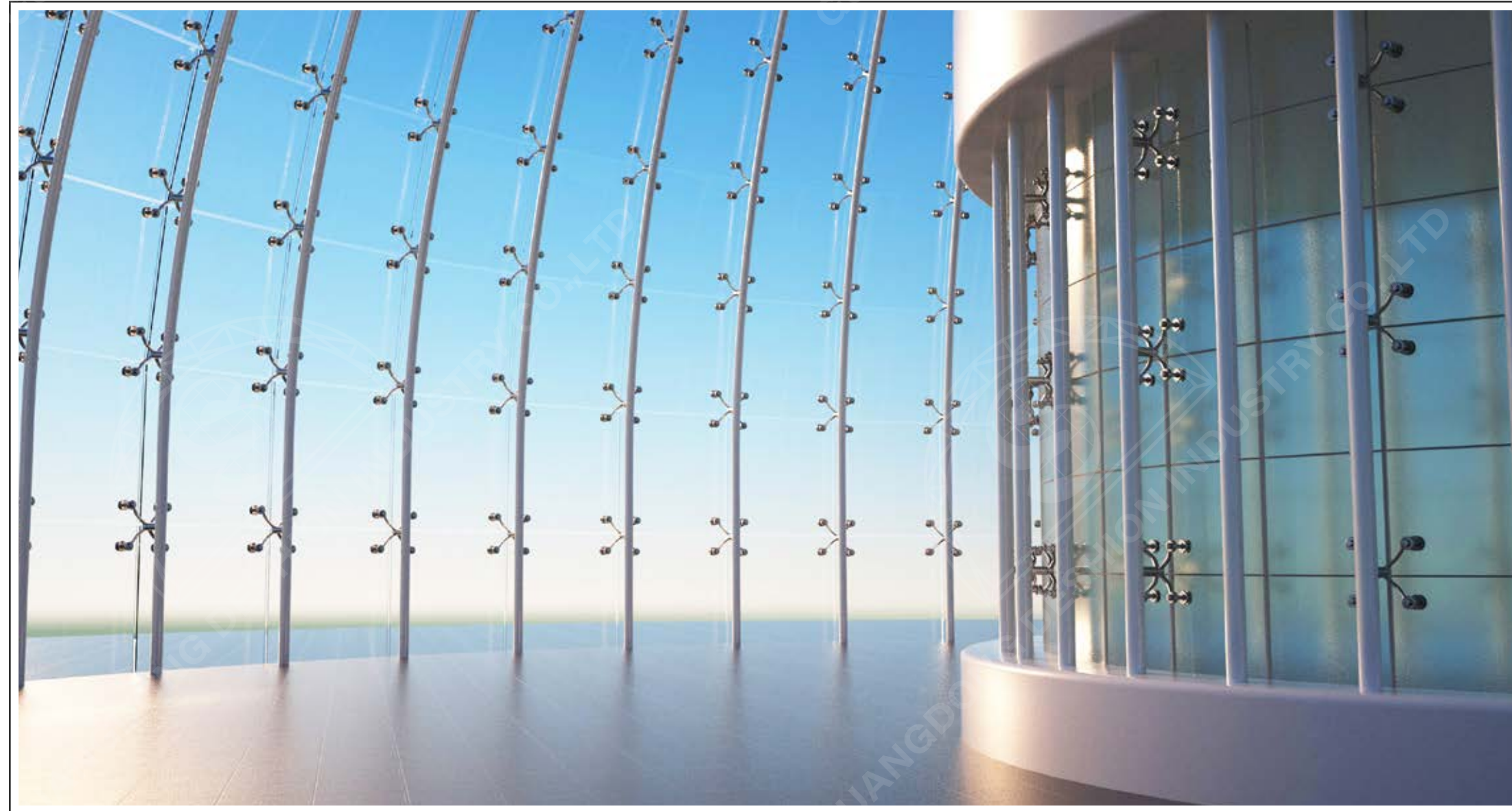


Unitized Aluminum curtain walls



Point supported Glass curtain walls

Point supported structure can be glass ribs, steel pipe rod, truss, cable rod truss or cable net type. Point supported curtain wall glass thickness should not be less than 8mm. The thickness of laminated glass and insulating glass should also meet the above requirements.

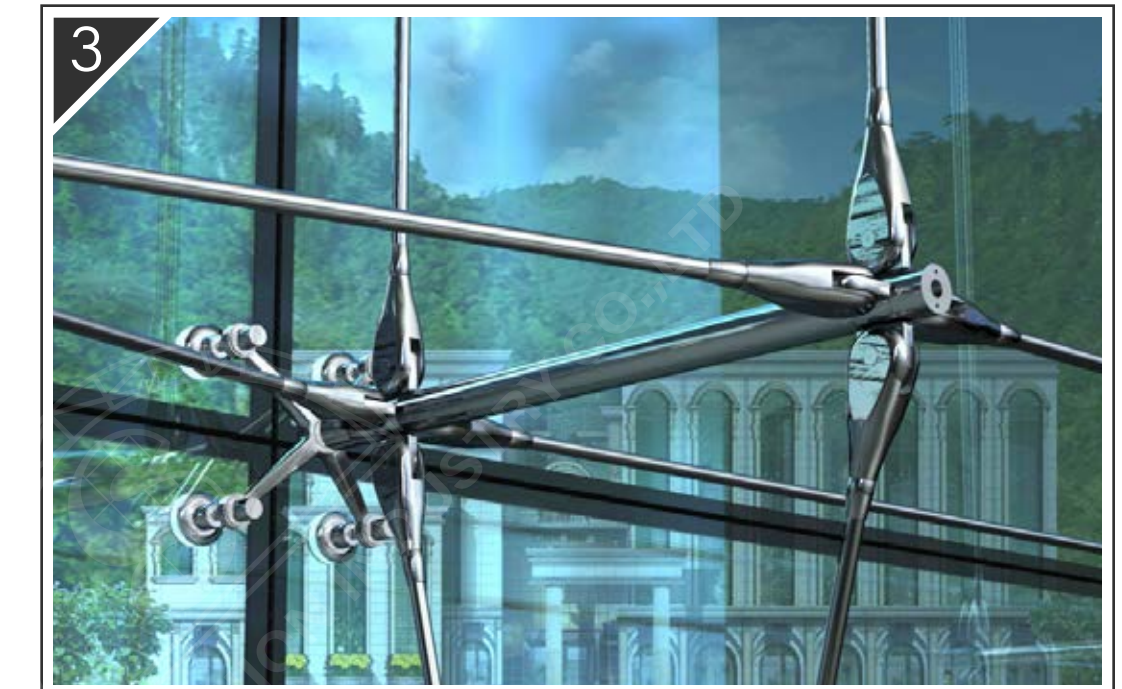


Characteristic:

Transparent effect, make the indoor and outdoor environment natural harmony. Exquisite components, beautiful structure, achieve the perfect combination of exquisite metal components and glass decorative art. Support structure is diverse, can meet the needs of different arrowheads structure and decorative effect.

Disadvantages:

Not easy for ventilation and high engineering cost.

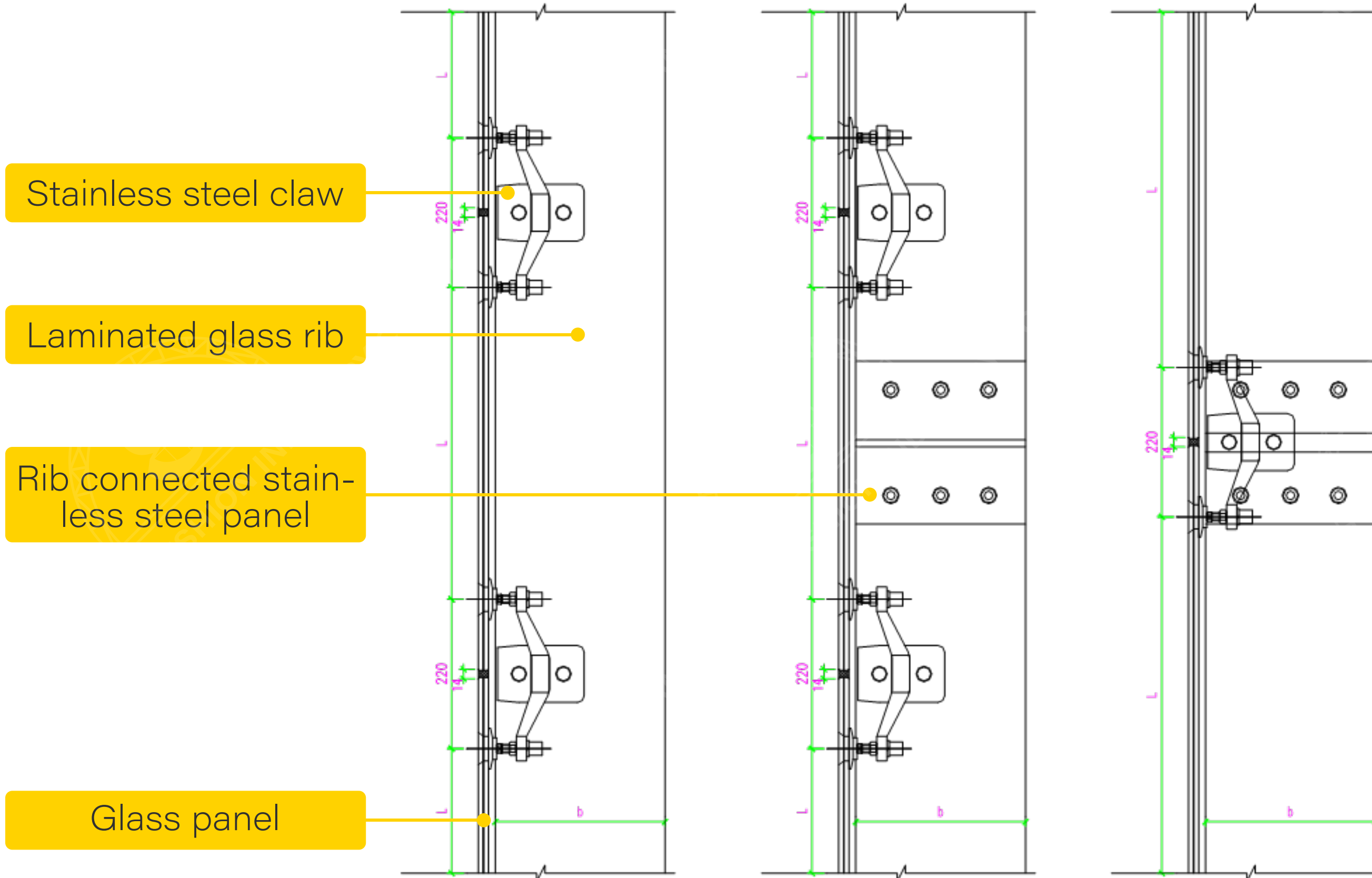


1. Glass fin supported glass curtain wall
2. Steel truss point supported glass curtain wall
3. Pull rod point supported glass curtain wall
4. Cable point supported glass curtain wall

Common type

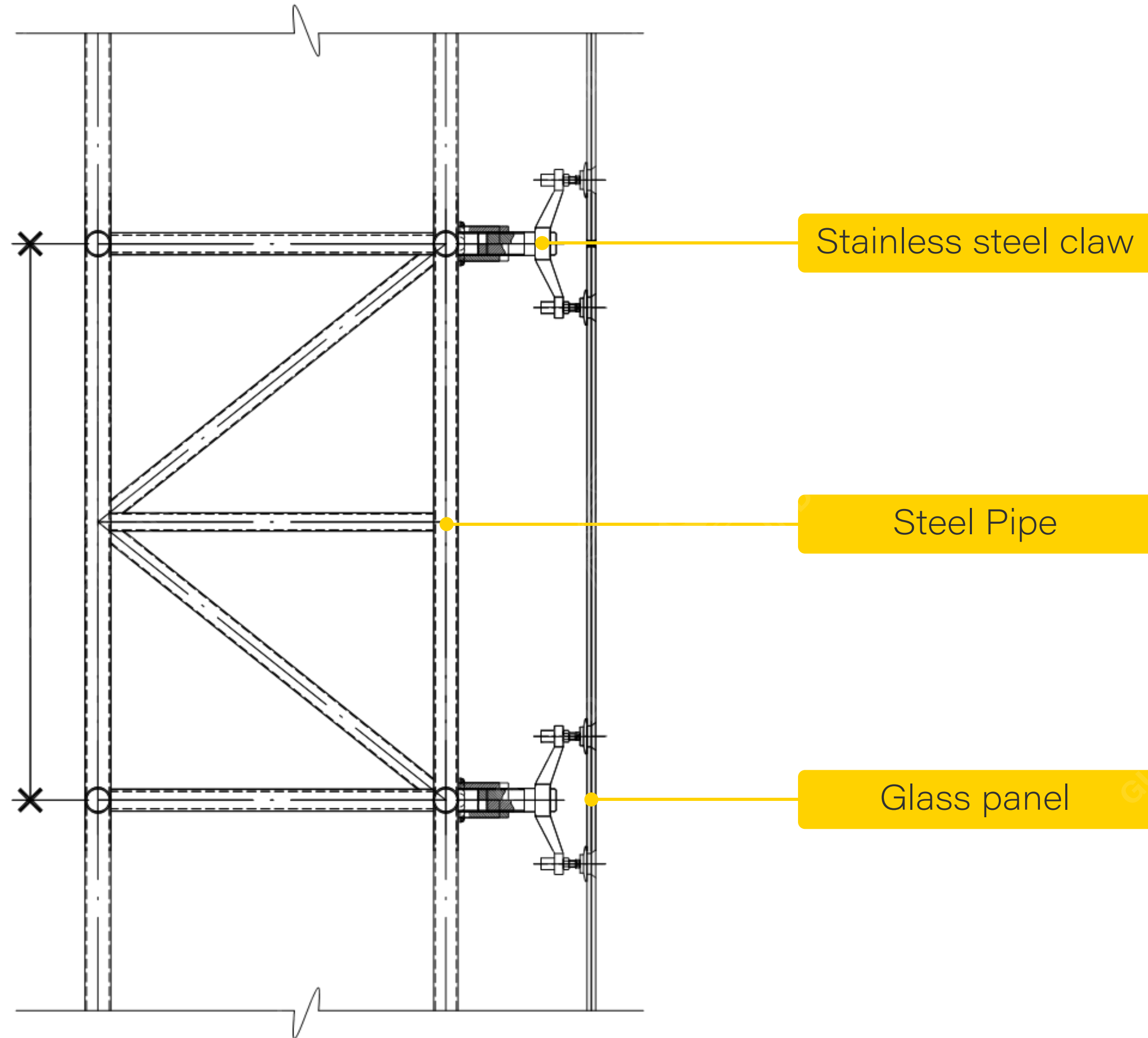
Glass fin supported glass curtain wall

Panel and supporting structure are glass glass curtain wall, glass rib support (hanging) on the main structure, the connecting plate or steel claw is installed on the glass rib, trepanning four corners on the panel glass. Using bolts of steel claw on glass rib penetrate the panel glass hole and fasten steel claw



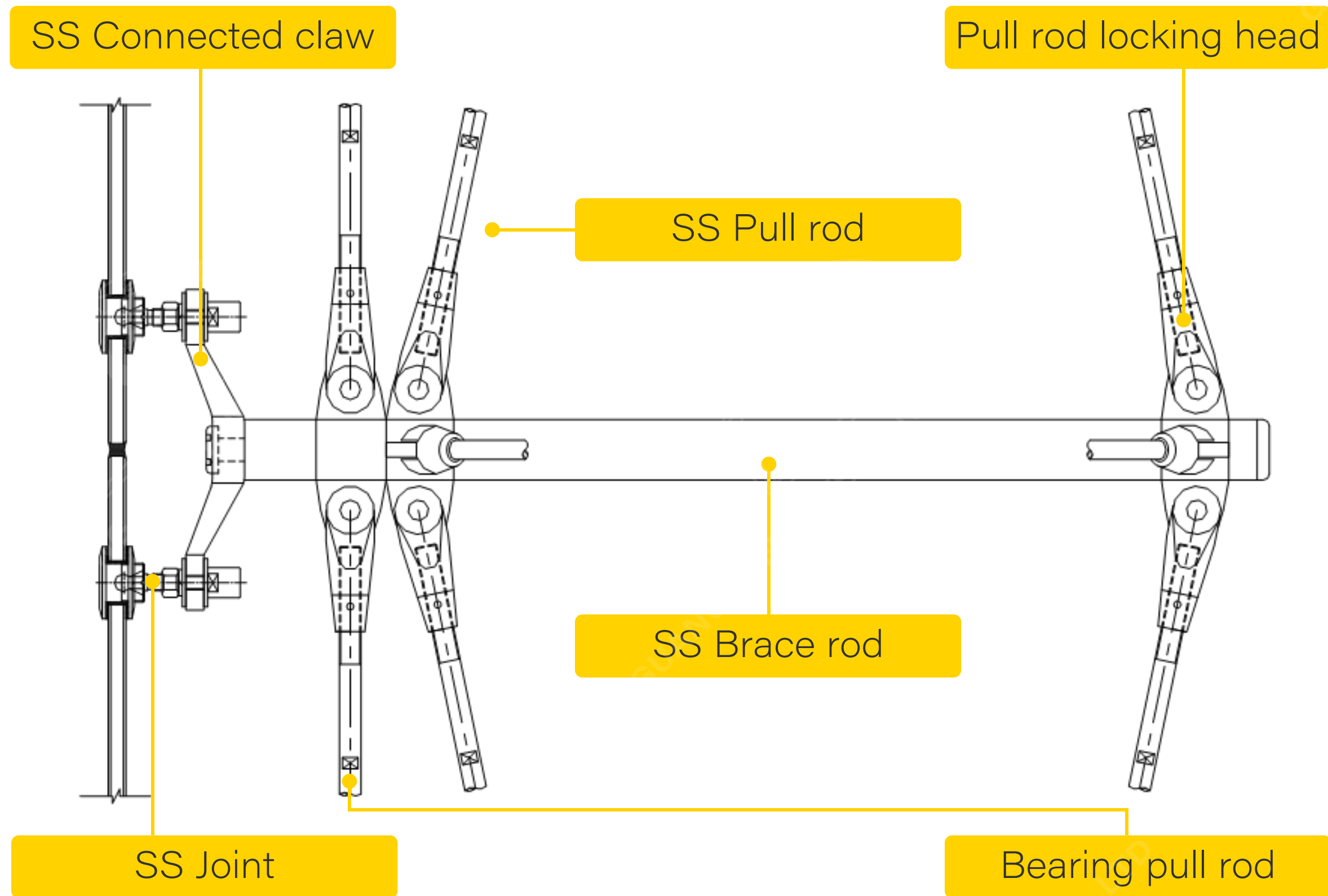
Steel truss point supported glass curtain wall

The main keel is supported by steel truss as glass curtain wall, the structure composed of chord member, vertical web member and diagonal web member is called truss support structure, Each member of truss and grid structure is tension and compression structure, Use the tensile and compression properties of material to resist load



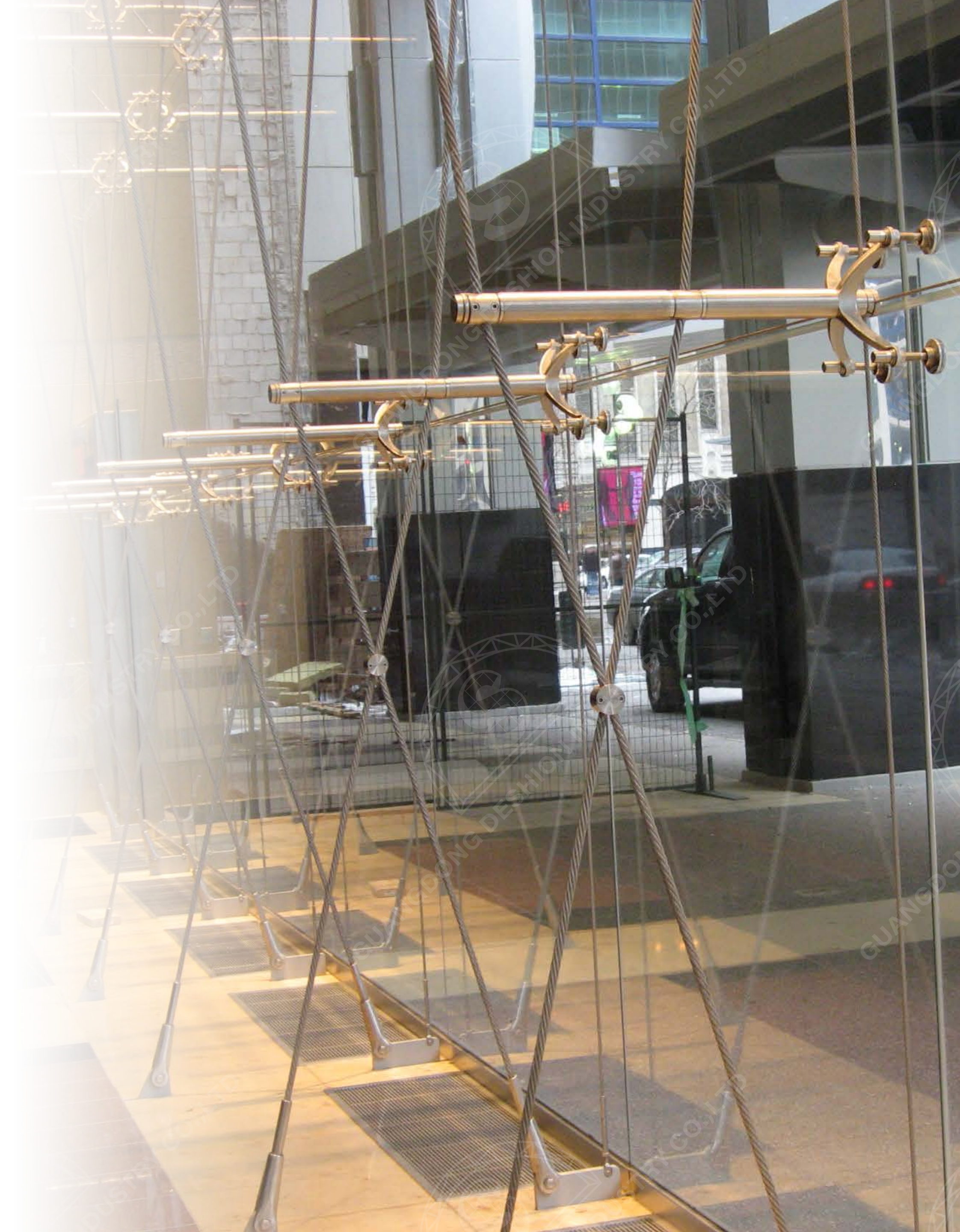
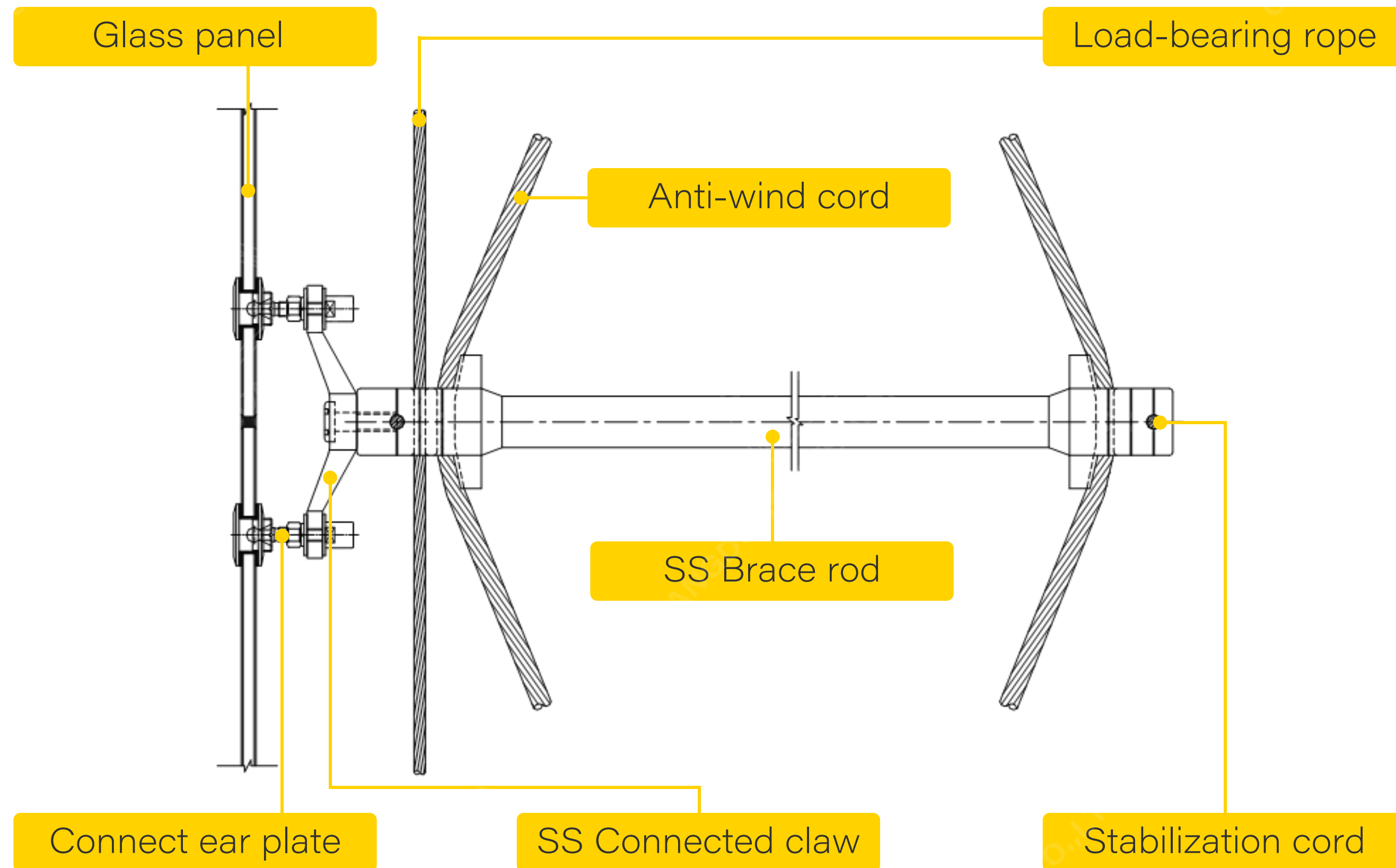
Pull rod point supported glass curtain wall

The rigid truss structure was replaced by the flexible supported structure with stainless steel pull rod, pull rod point connection full glass curtain wall adopts prestressed double layer pull rod structure, generally designed to be symmetrical. This is because the curtain wall must withstand not only the positive wind pressure, but also the negative wind pressure, and the bearing rod of positive wind pressure becomes the stabilizer bar in the negative wind pressure, and the negative wind pressure bearing rod becomes the stabilizer bar in the positive wind pressure.



Cable point supported glass curtain wall

The rigid truss structure was replaced by stainless steel cable flexible support structure, Cable type point connection full glass curtain wall adopts prestressed double suspension cable structure, generally designed as symmetry. This is because the curtain wall not only withstands the positive wind pressure, but also withstands the negative wind pressure. The positive wind pressure bearing cable becomes the stable cable in the negative wind pressure, and the negative wind pressure bearing cable becomes the stable cable in the positive wind pressure



Main characteristic of stick curtain wall

1.The construction method is flexible and the technology is relatively mature, this curtain wall structure form is widely used at present after more engineering practice tests.

2.The main structure has strong adaptability, and the installation sequence is basically not affected by the main structure.

3.Using sealant joint processing, good water tightness and air tightness. It is preferable heat preservation, sound insulation and noise reduction, also with a certain resistance to inter layer displacement.

4.Panel material unit components are finished in factory, structural adhesive performance is guaranteed.

5.A large number of installation processes are carried out on site, requiring heavy workload of site management.

6.Sealant construction demands is strict, early cleaning, gluing process need high quality requirement of workers.



Installation of aluminum alloy frame on site



Stick curtain wall installation

Waterproof Performance

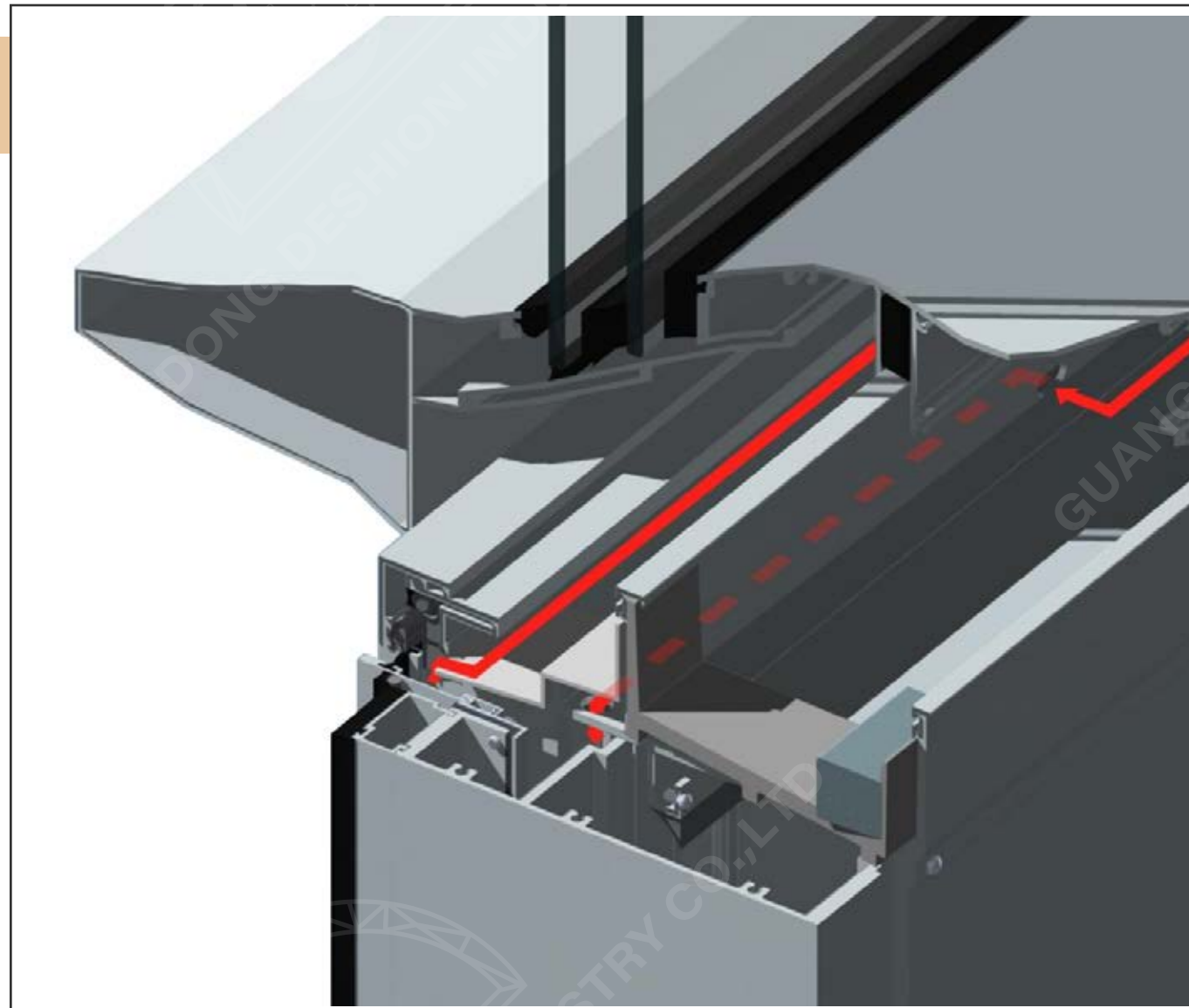
Stick curtain wall

Waterproofing is generally a single channel seal, it can not form a double seal. The probability of water seepage is 2 times of unitized curtain wall.

Unitized curtain wall

Double channel sealing system, adapt to the main structure of the larger displacement requirements. It can ensure the building has excellent curtain wall performance (air tightness, water tightness, thermal insulation, in-plane deflection, etc.).

*Unitized curtain wall adopts "isobaric principle", waterproof performance is good



Application field



Stick Curtain wall systems

Full Glass window walls

Flooring mounted type full glass facade

Definition: When the height of curtain wall is low, the surface glass and rib glass are installed with inlaying groove, and the glass is fixed in the bottom inlaying groove, and a certain space is set aside between the top of the upper inlaying groove and the glass, so that the glass has room for expansion and deformation.

Advantages: Simple structure, low price, mainly relies on pedestal for weight bearing

Weakness: The glass is easy to bending and deformation under its own mass load, resulting in visual image distortion.



Hanging type full glass facade

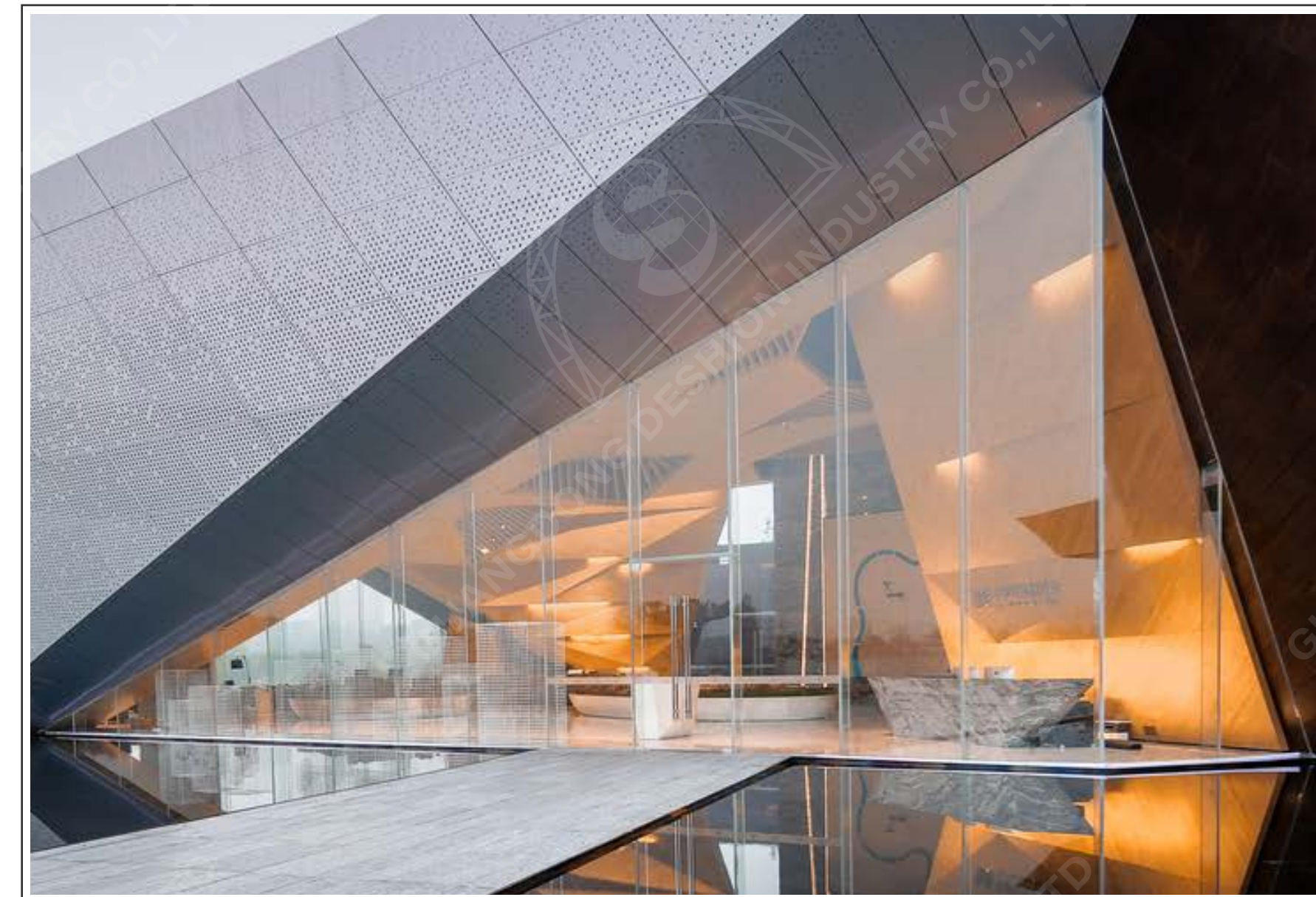
Definition: When the curtain wall is high, in order to prevent the glass from buckling and destruction under its own mass load, special metal fixture is set at the upper end of the curtain wall, and the large piece of glass is hung up to form continuous glass curtain wall without deformation. There is a flexible space between the glass and the bottom of the inlaying groove.

Advantages: It can eliminate the glass deflection caused by its own quality and create a beautiful, transparent and safe effect. It mainly relies on metal fixtures for weight bearing.

Weakness: The structure is relatively complex and cost highly



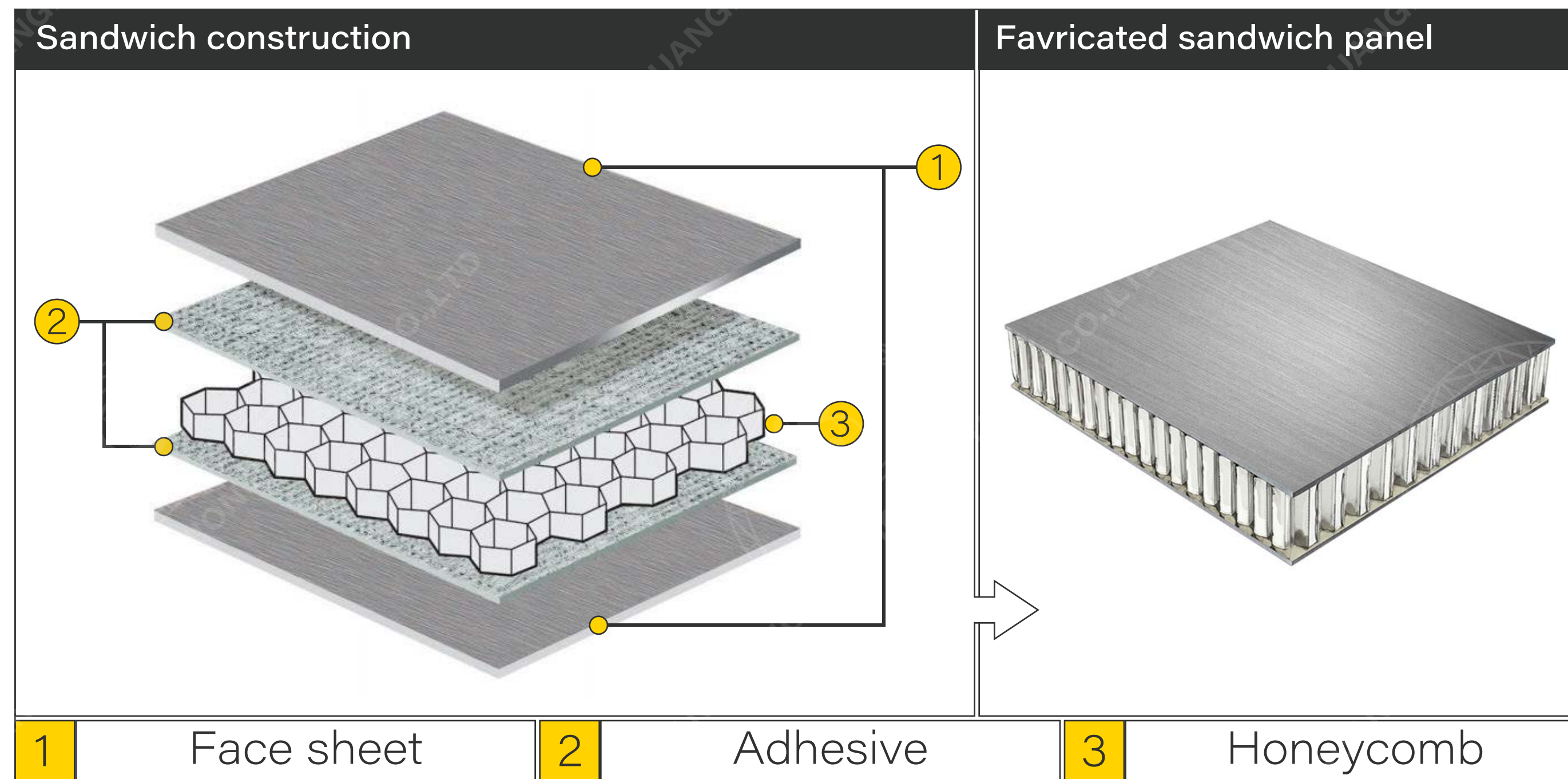
Application field



Full Glass window walls

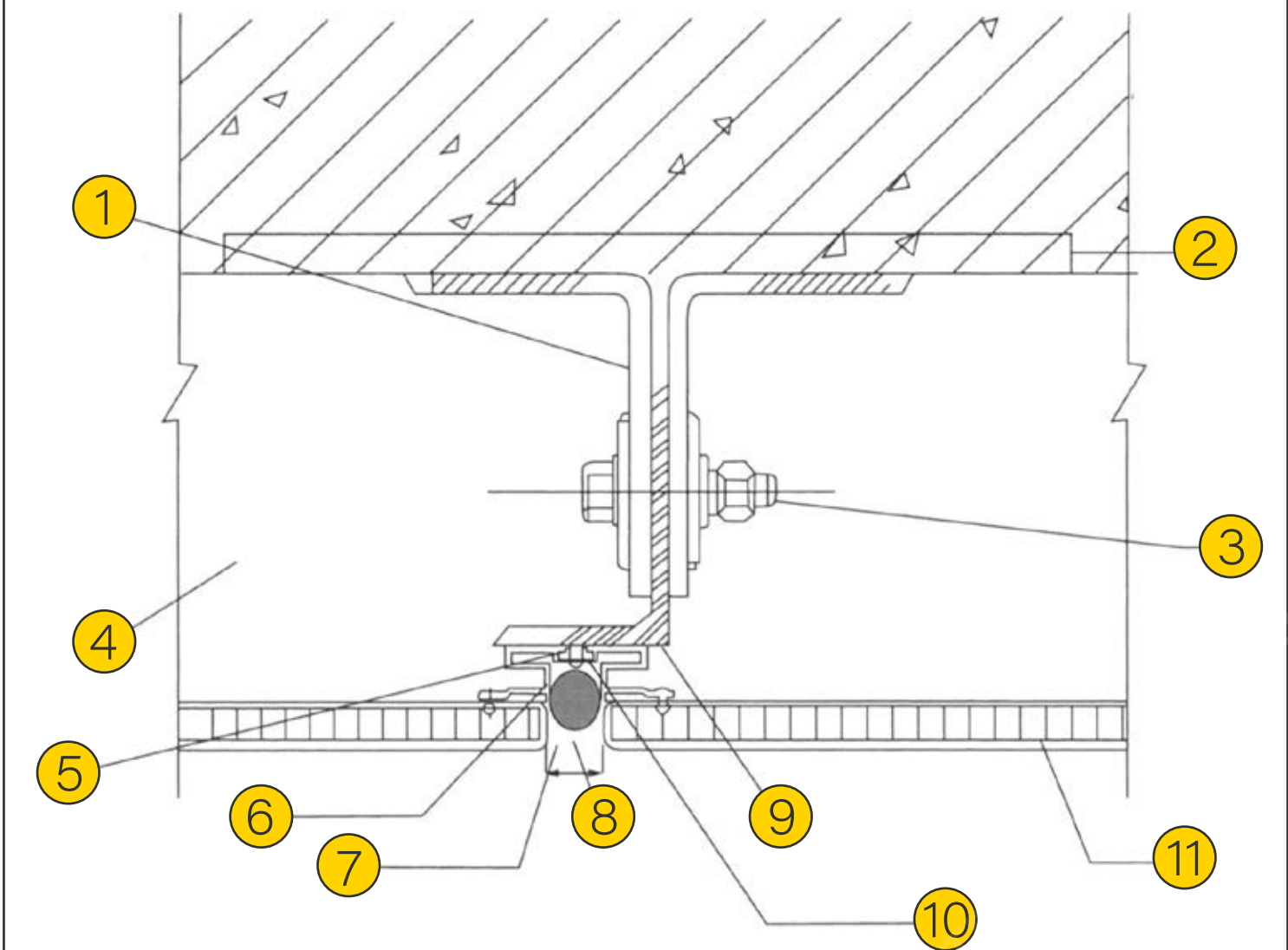
Aluminum honeycomb panel

Curtain wall aluminum honeycomb panel is mainly used for building exterior decoration, the product selects high-quality imported raw materials, processing size is accurate. The surface adopts advanced pre-roller coating technology of fluorocarbon paint, which can keep color not faded for 30 years.



Our company adopts double combination polymer epoxy film and double combination epoxy resin, through fully closed dust-free operation, with automatic aluminum honeycomb plate composite production equipment in pressure and high temperature composite, so that aluminum honeycomb plate bonding more firmly, more bending resistance. It can be made according to the requirements of architectural design arc plate, folding board, and trapezoidal board and other types of heterosexual honeycomb board. All arc-shaped, L-shaped, U-shaped and other non-planar special-shaped plates are one-time molding through the mold. Only the same batch of roll coated aluminium coil shall be used for the same project. No color difference phenomenon. It's a kind of high quality, light, high strength, luxurious appearance of green environmental protection decorative materials.

Aluminum honeycomb Panel node graph



1	Zinc-plate connecting fittings
2	Reserve
3	M10 Zinc-plating threa
4	Zinc-plate horn steel L50X5
5	Pressure mass
6	Profile
7	Climate-bearable sealant
8	Foam stick
9	Zinc-plate horn steel L75X50X5
10	Machine screw
11	Aluminum honeycomb planking



Aluminum honeycomb panel

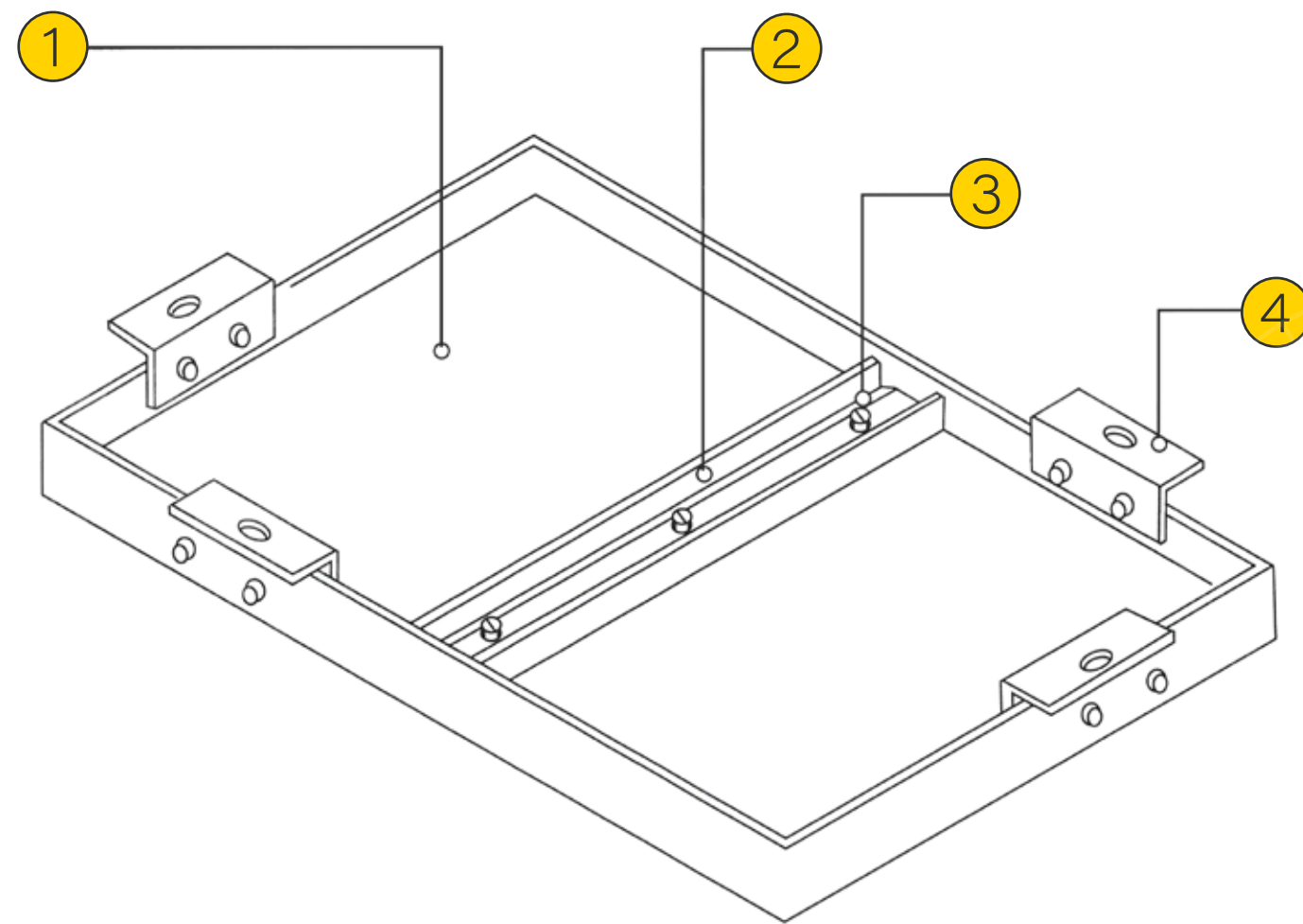


Application field



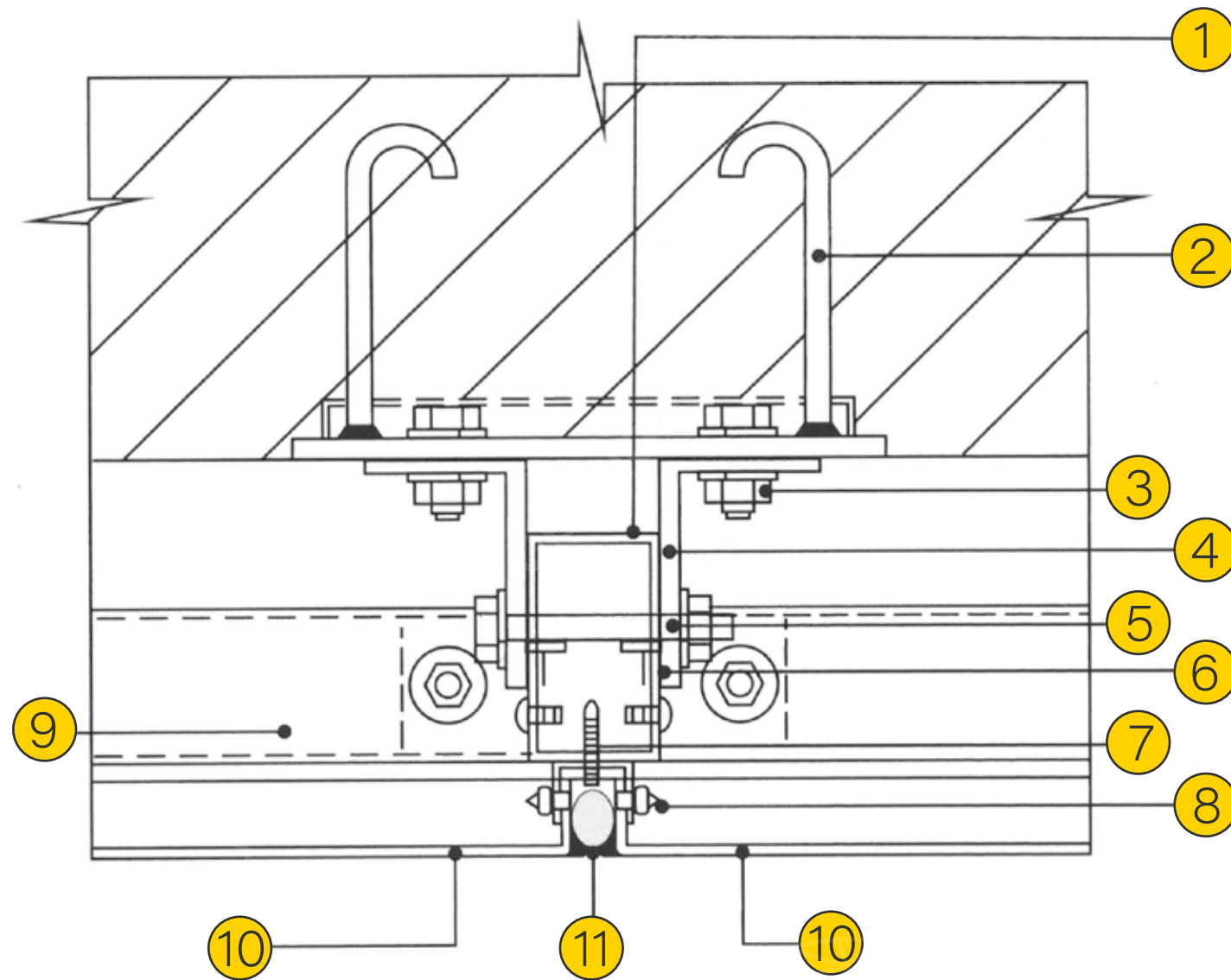
Aluminum veneer

Aluminium panel facade is made by high strength aluminium alloy. The thickness are 1.5mm 2.0mm 2.5mm 3.0mm. maximum width is within 1900mm, maximum length is within 6000 mm, model is 3003 (or 1100) H24. The panel is mainly composed of veneer panel, reinforcing rib and corner brace. Corner is not only made by punched and bend panel, but also made from small panel. Reinforced ribs is connected with welding screw and make them become firm whole, it enhance strength and rigidity of aluminium single plate, and also ensure the smoothness, wind-resistance and anti seismic ability of aluminium panel in long-term using. If you need to make it with sound insulation, heat preservation, you can install sound insulation and heat preservation materials inside the aluminium panel.



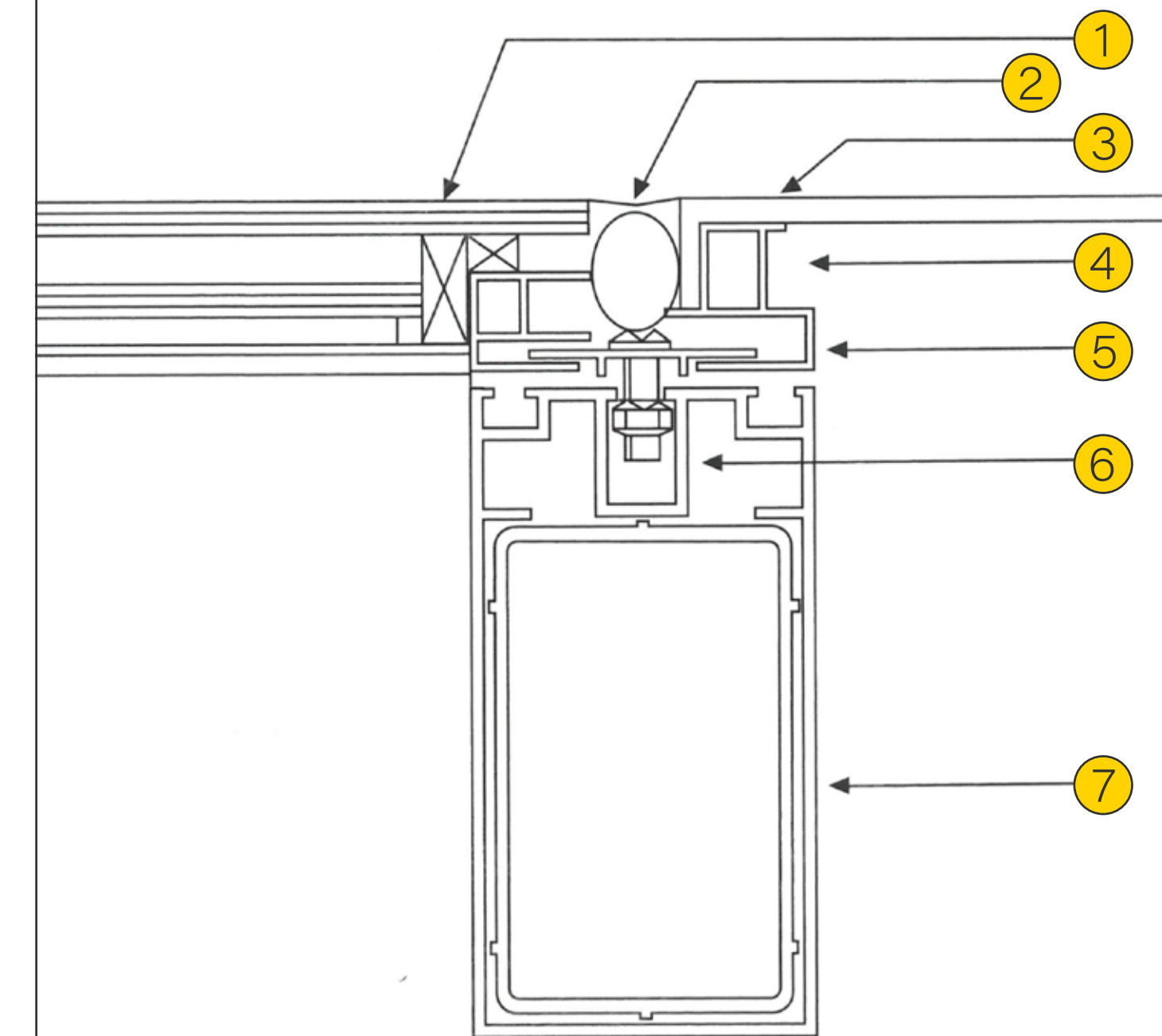
1	Mono-layer Aluminum Alloy Curtain Wall Plate
2	Aluminum Alloy Stiffening Rib
3	Aluminum Nature Nail
4	Aluminium Alloy Triangular Support

Aluminum curtain Wall veneer and phase diagram of the node



1	3mm thick curtain wall vertical beam	
2	Curtain Wall applies zinc plated imbedded parts	
3	M12X35 stainless steel bolts	
4	6mm thick zinc plated steel angle bracket	
5	M12X100 stainless steel bolts	6 PVC cushion
7	M4X16 stainless steel tapping bolts	
8	Φ5 aluminum rivet	9 Curtain wall beam
10	Aluminum Veneer	
11	PE foaming filling material weather resistant sealant	

Aluminum and glass curtain wall veneer phase diagram of the node

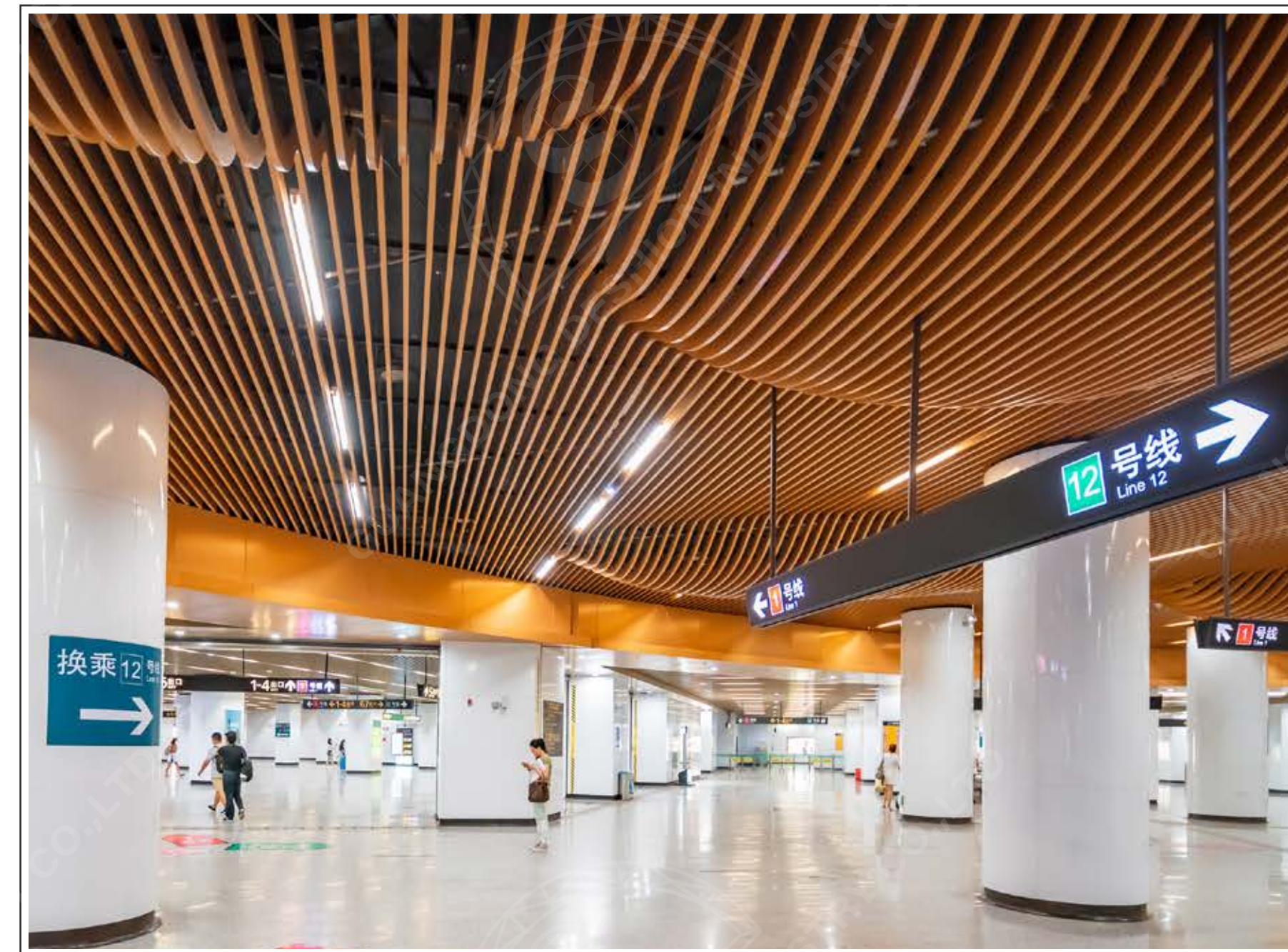


1	Empty centre glass
2	Durable sealant
3	3mm thick curtain wall vertical beam
4	Deoutu frame with aluminum planking
5	Code of pressure
6	M12X100 stainless steel bolts
7	Main standing post

Application field

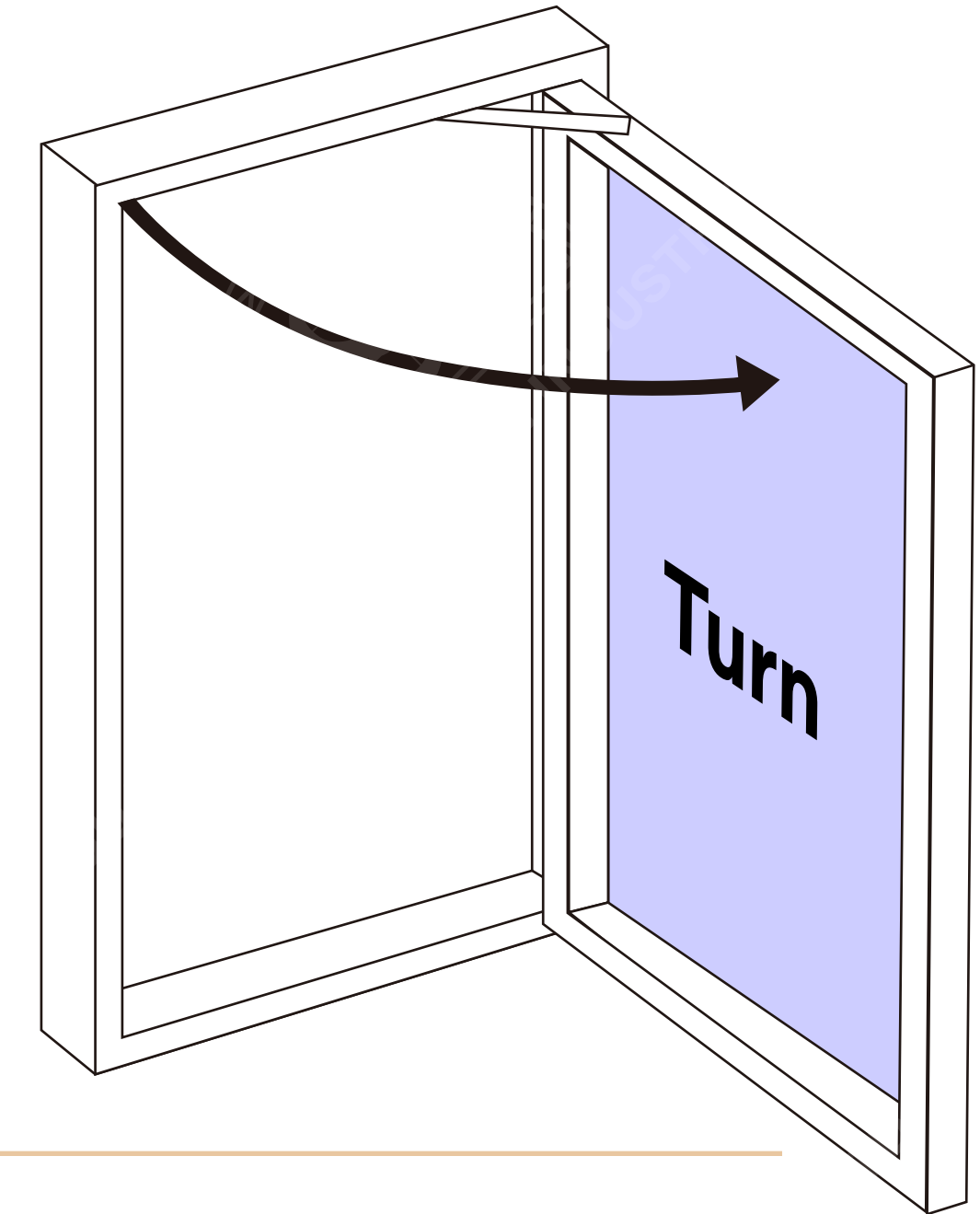
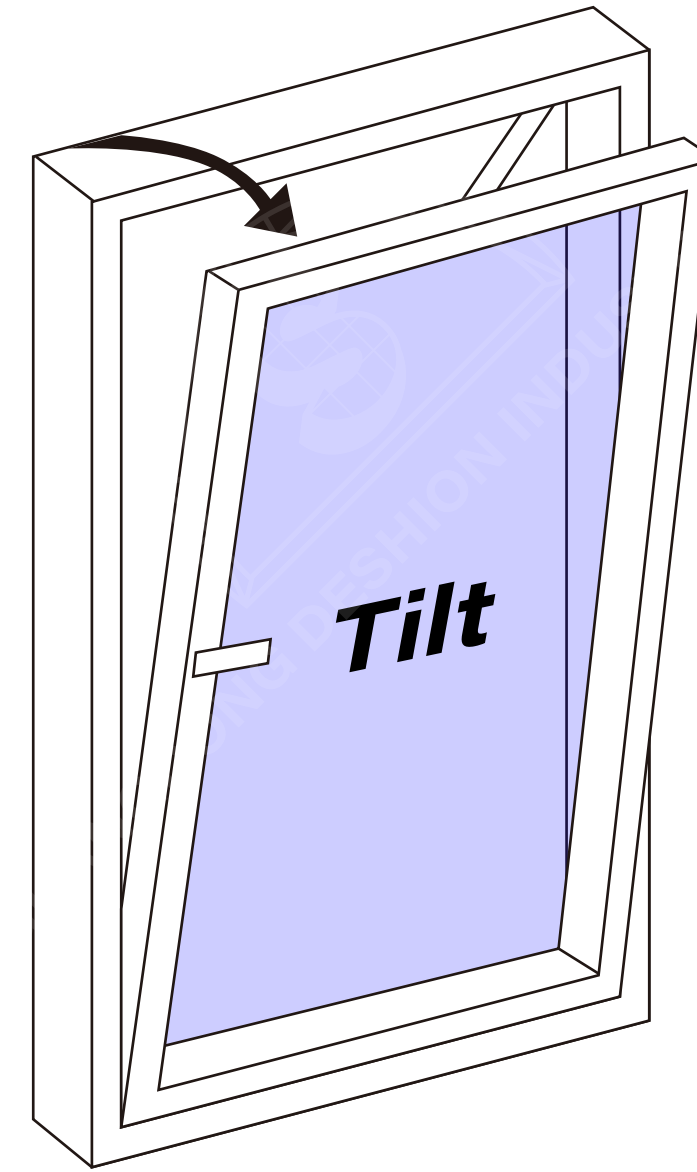


Aluminum veneer



Products Characteristics

1. Optimization of ventilation performance. When the window turns inside, the indoor could get ventilated naturally, and the most crucial is that it won't blow to the person's body directly, the exchange of indoor and outdoor air is smooth, comfortable and downy.
2. Improve security. When the window is inverted, the window is in the open ventilation state, and compared with the outside flat or inside flat window, it is very safe and has certain anti-theft performance.
3. Dustproof and rain proof. When the window falls inside, the airflow that enters the room can face glass to block above all. On rainy days, as the rain is falling from the top, it will be blocked in the window because of the glass barrier inside the window. No more worrying about unexpected rain damaging furniture, floors, etc.
4. Easy of cleaning. When cleaning the window, people just open the window completely inward then could clean it easily.



Tilt and Turn Windows



Application field

Products Characteristics

Casement window makes an air circulation between the room and nature for indoor air fresh, while excluding the possibility of rain into the room.

The linkage hardware and lever handle around the window sash can be operated all sorts of functions indoor . Because the window sash is totally fixed on the window frame all-around when closing, so its safety and anti-theft performance are very good.



Casement windows



Application field



Products Characteristics

Sliding window has the advantage of space saving, exterior beauty, price economy and good leakproofness. It can be opened flexibly with a simple push because of high-grade slippery course. Using large glass not only increases the indoor lighting, but also improves the overall appearance of the building.



Sliding Windows



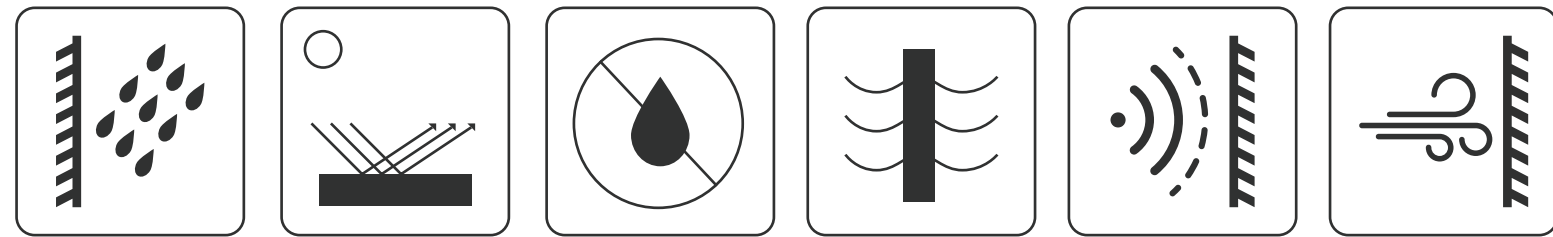
Application field

Folding Door Features

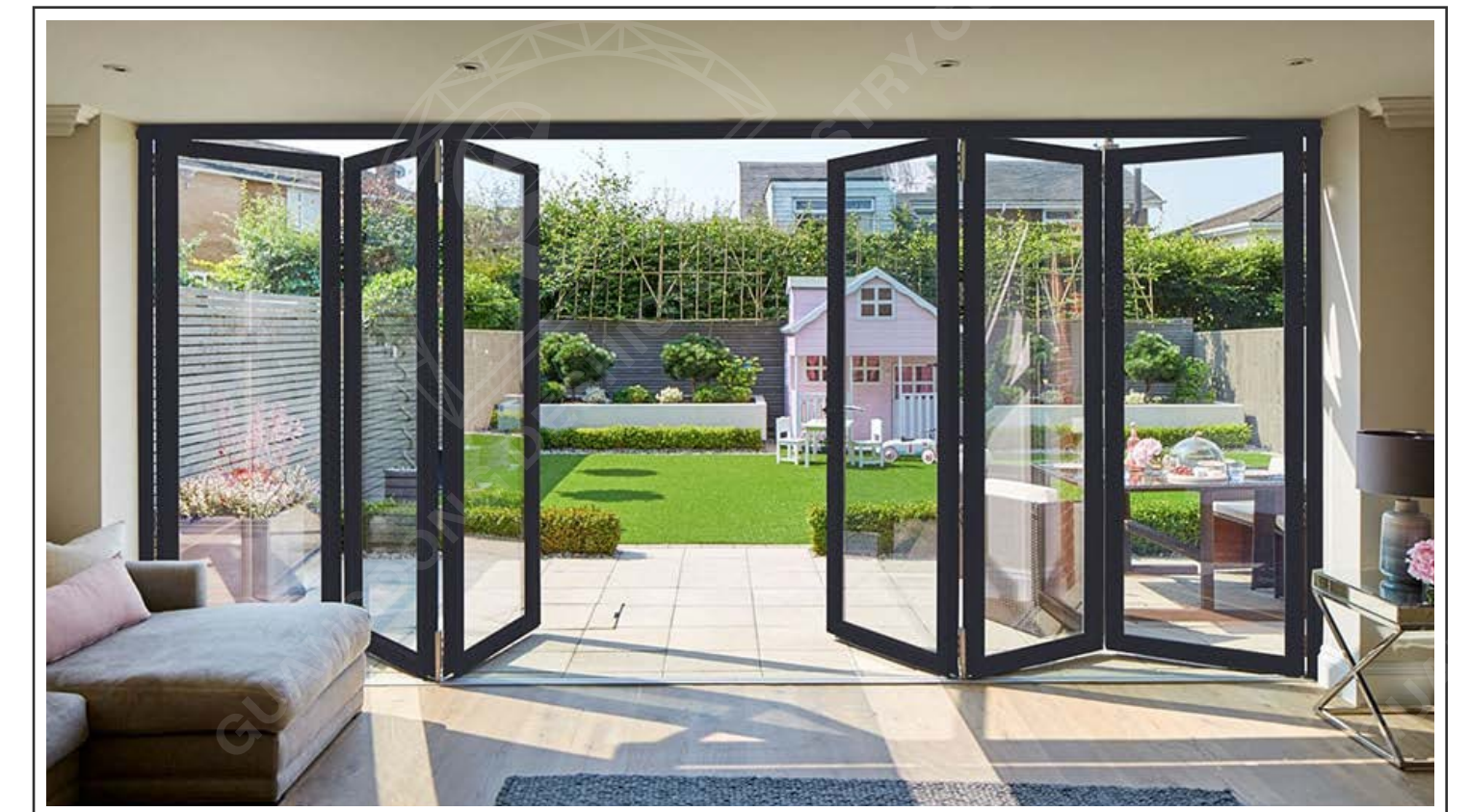
1. Folding door design can give the biggest clear opening and enjoy wide-open view.

2. Folding door the weight capacity of bottom sliding folding track system can be 80kg, it will operate smoothly and effortlessly.

3. Sliding folding bottom rail design is with double waterproof rubber and drainage system, totally solve the problem of rubber ageing and leaking. 4. Folding door maximum height up to 3 meters



Tilt and Turn Windows



Application field



Swing Door Features

The casement door has various opening modes, diversified styles and shapes , convenient installation , etc. It has long use period, good sealing, good thermal insulation and dust-proof performance. It's suitable for all kinds of high, medium and low grade decoration.



Casement windows



Application field



Sliding Door Features

The sliding door can almost meet the designing needs of any consumer because of glass' s reprocessing, baking paint, sand blasting, toughening, special-shaped processing and other characteristics.

The sliding door is personalized , fashionable ,artistic and solid.

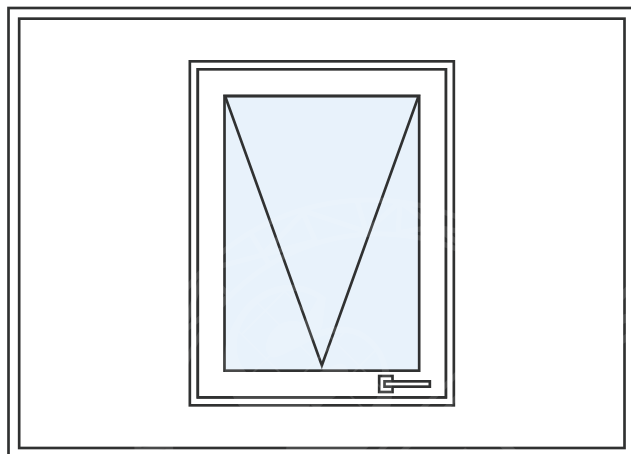


Sliding Windows

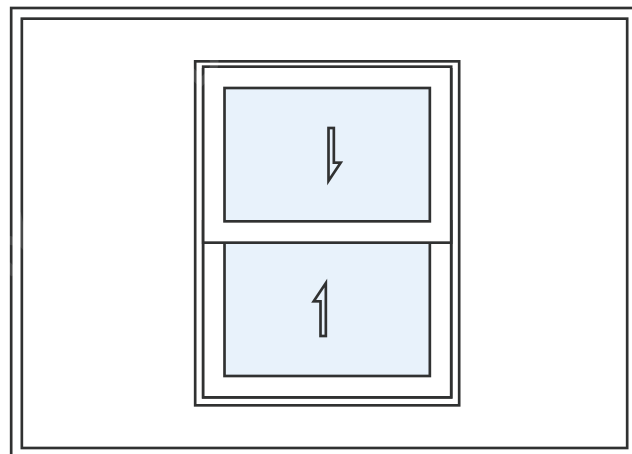


Application field

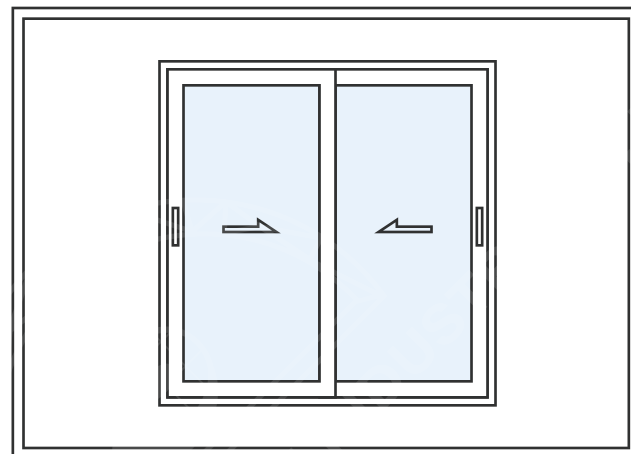




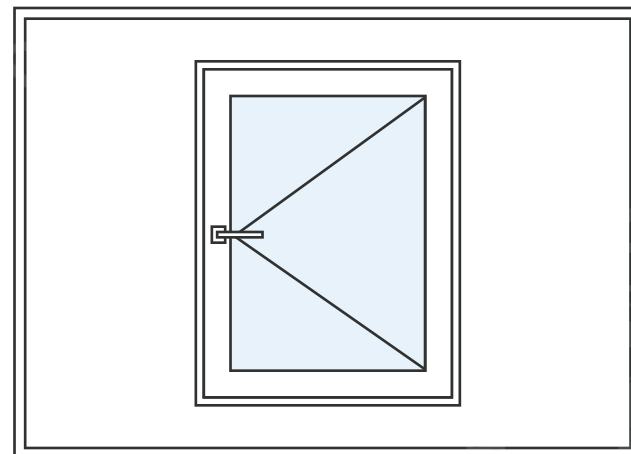
Awning Window



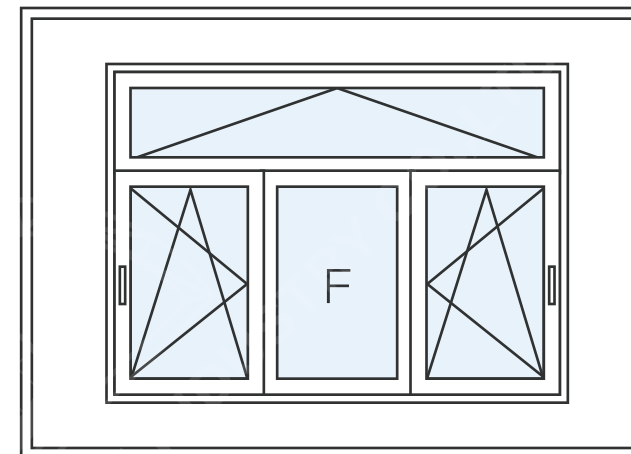
Double Hung Window



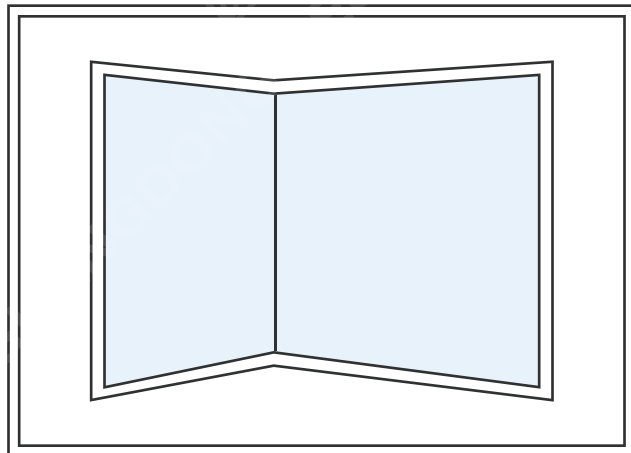
Sliding Window



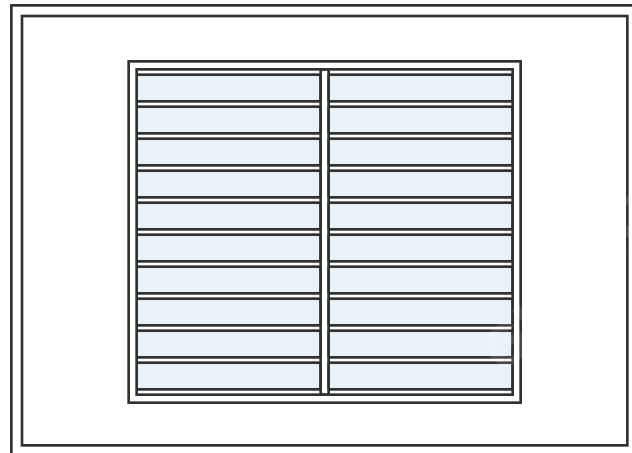
Casement Window



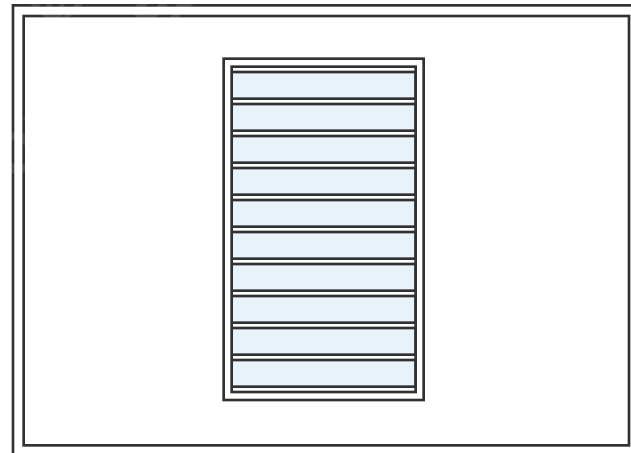
Tilt & Turn Window



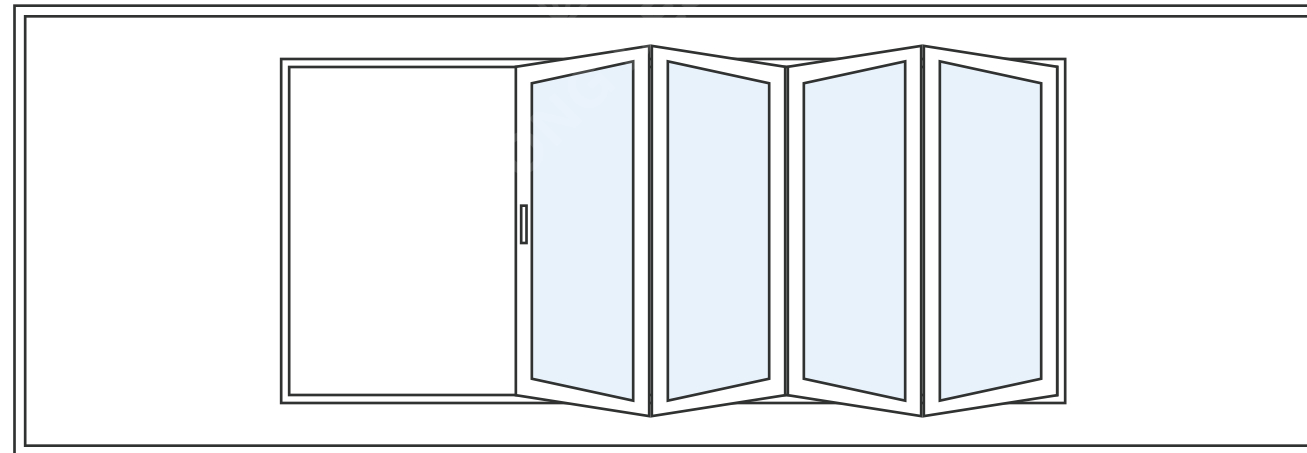
Corner Window



Aluminum Louver



Glass Louver

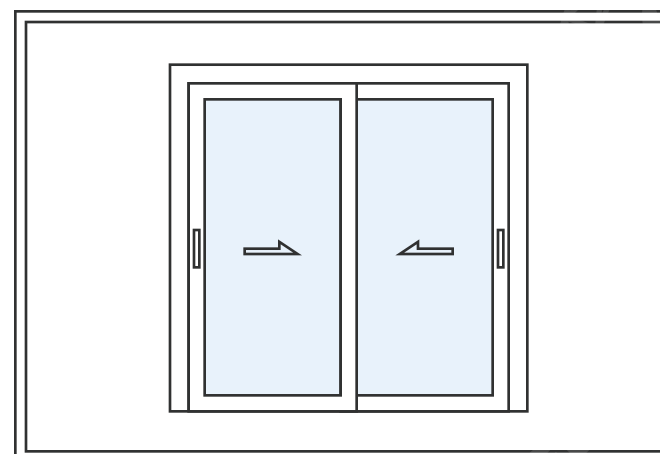


Bi-Folding Windows

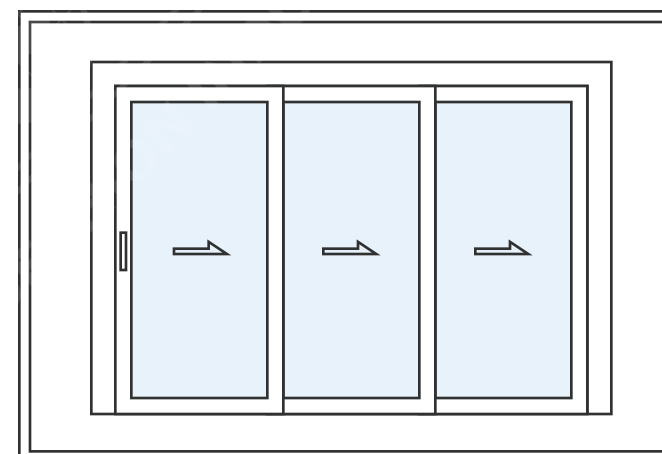
Window

Door And Window Open Style

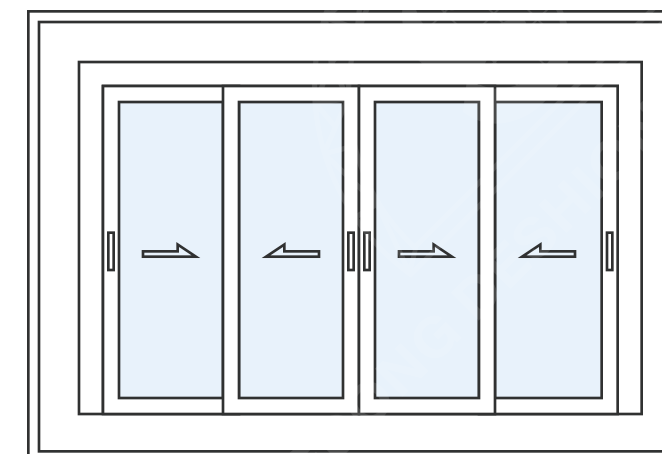
Door



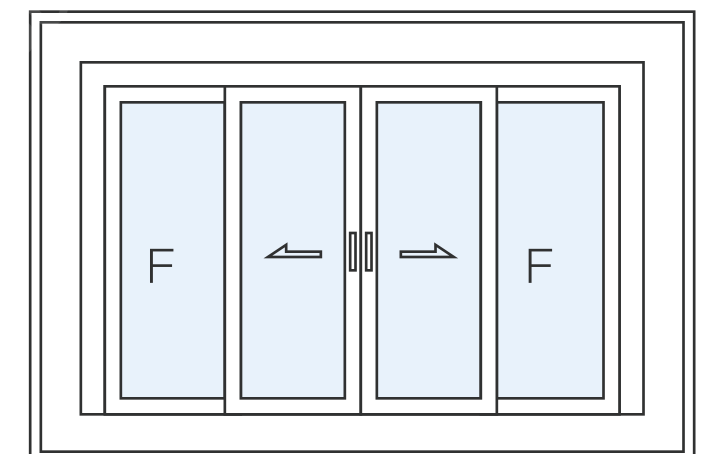
Sliding Doors



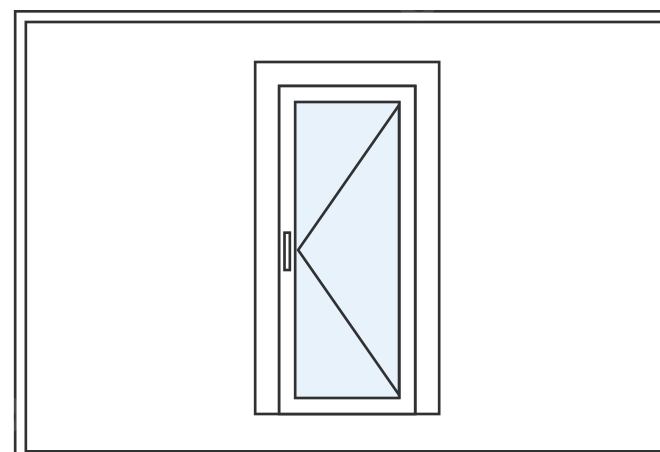
3 Panels Sliding Doors



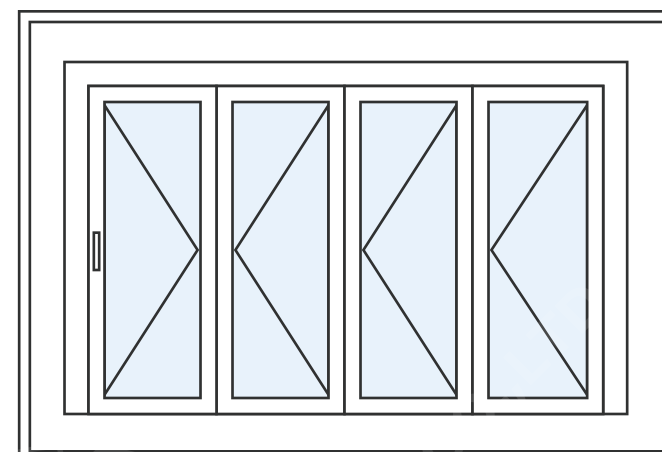
4 Panels Sliding Doors



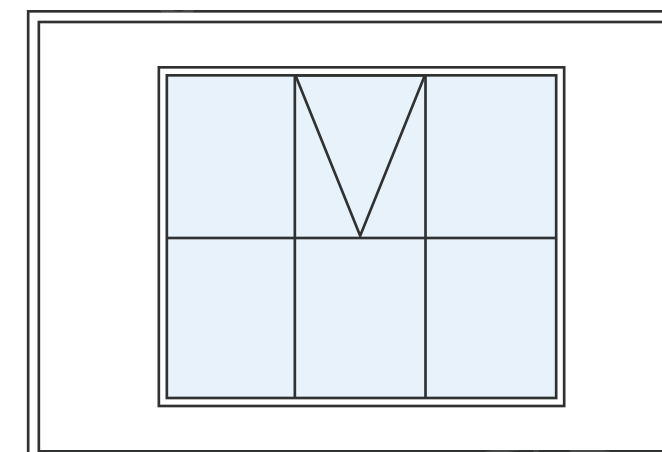
Fixed Sliding Doors



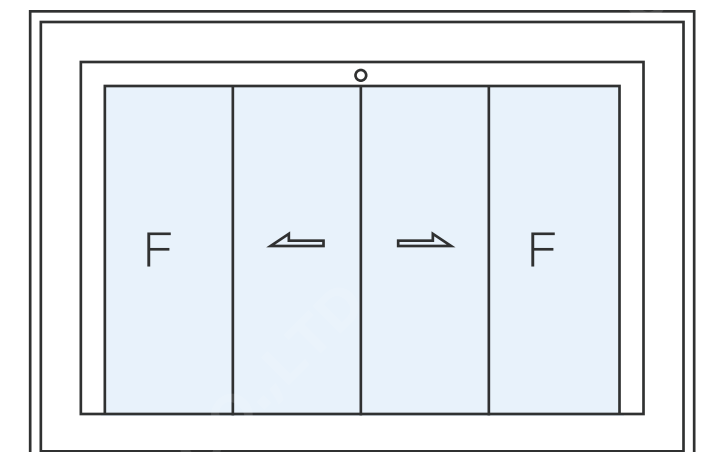
Hinge Door



Bi-Folding Door



Curtain Air Wall



Sensor Door

Powder Coating

Film thickness more than 40 μm, surface smoothly, colorful products with various mechanical performance to adapt all kinds of architectural style. All colors are available.



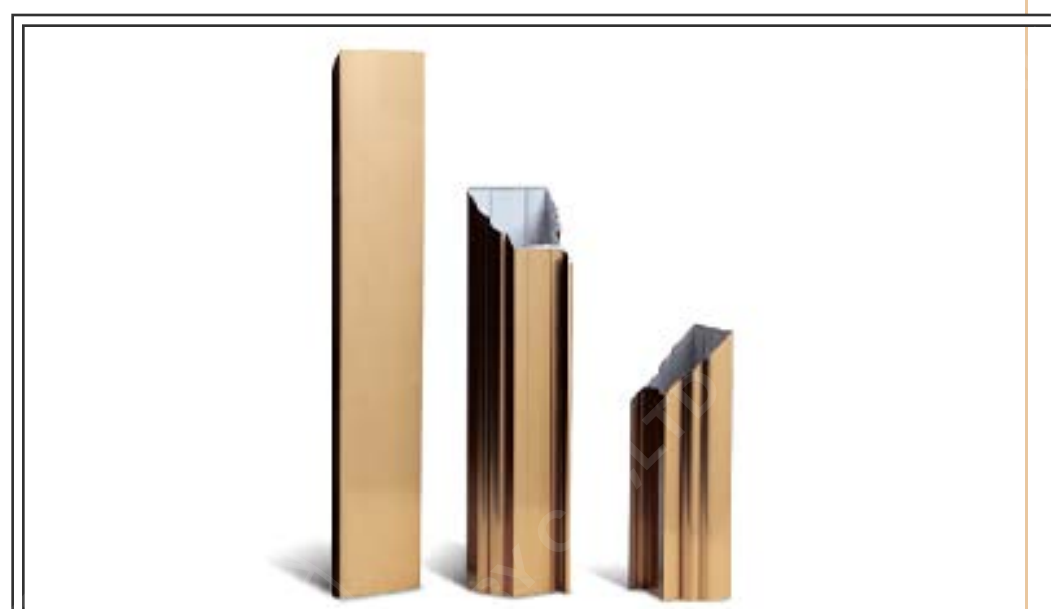
Wood Grain

New technology in finishing to form a texture look like real wood. With 15 years quality assurance, corrosion-resistant durable, shining and decorative. Available in types of wood pattern. Hand touch or film transferring are both available. Customized accepted.



PVDF Coating

Uniform coating, excellent quality fluorocarbon coating with a metallic luster, bright color and obvious third-dimensional effect. 20 years quality assurance.

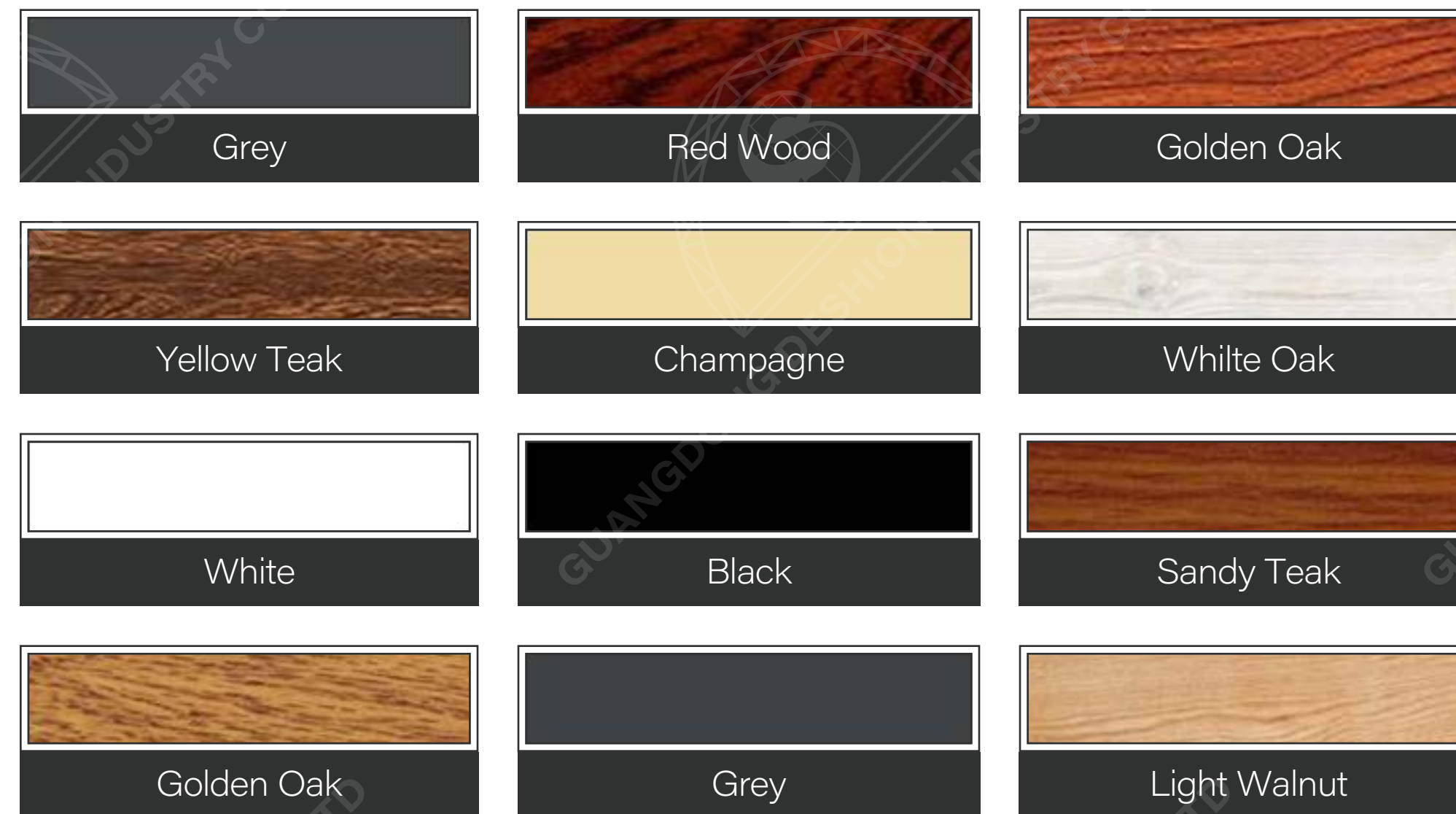


Anodizing

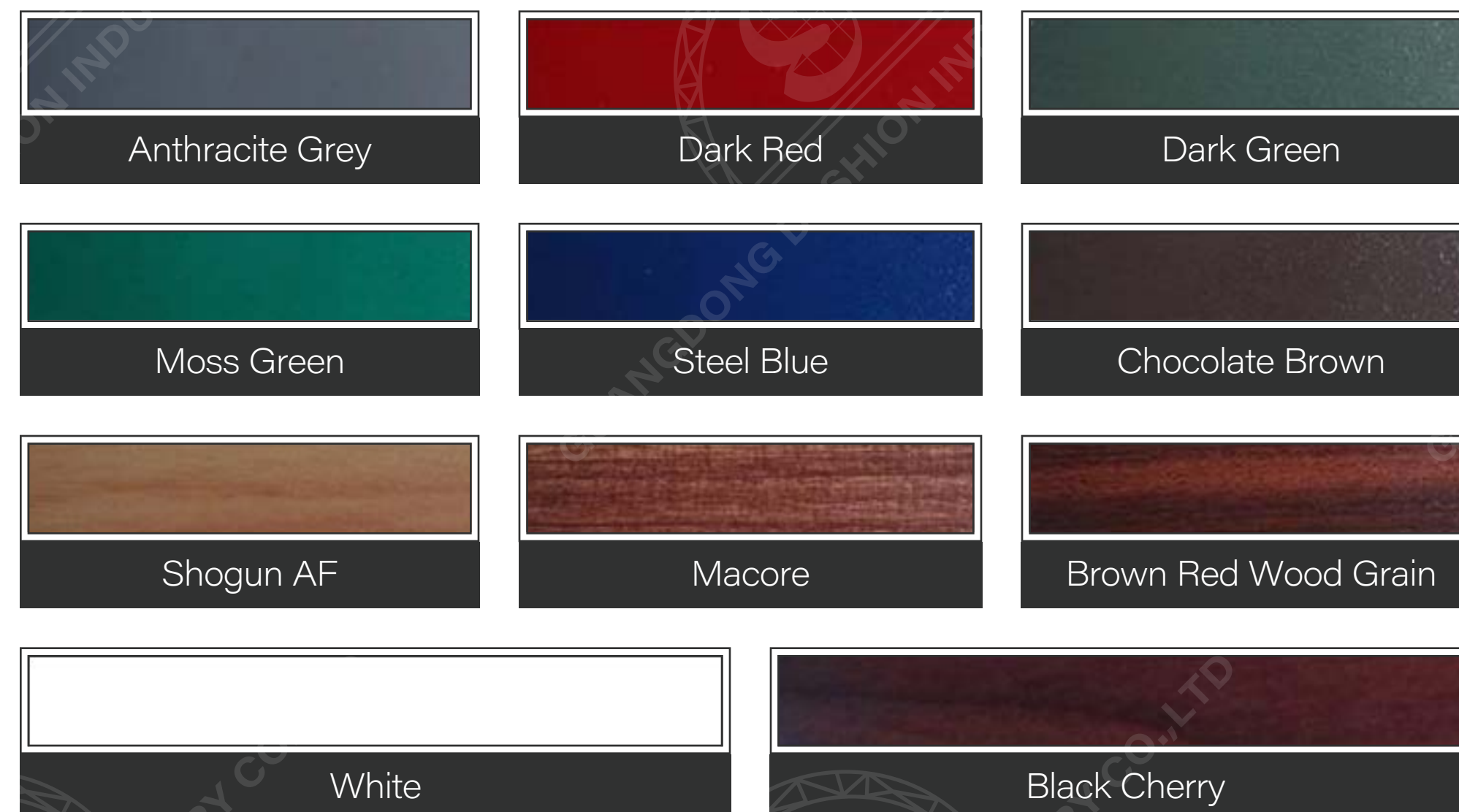
Oxidation film thickness is more than 13 μm, even color, without mechanical lines, corrosion-resistant durable, shining and decorative. Available in different colors like metal silver, champagne, dark bronze, black and the same color with matt effect.

Color Be Customized

Aluminum Frame Color

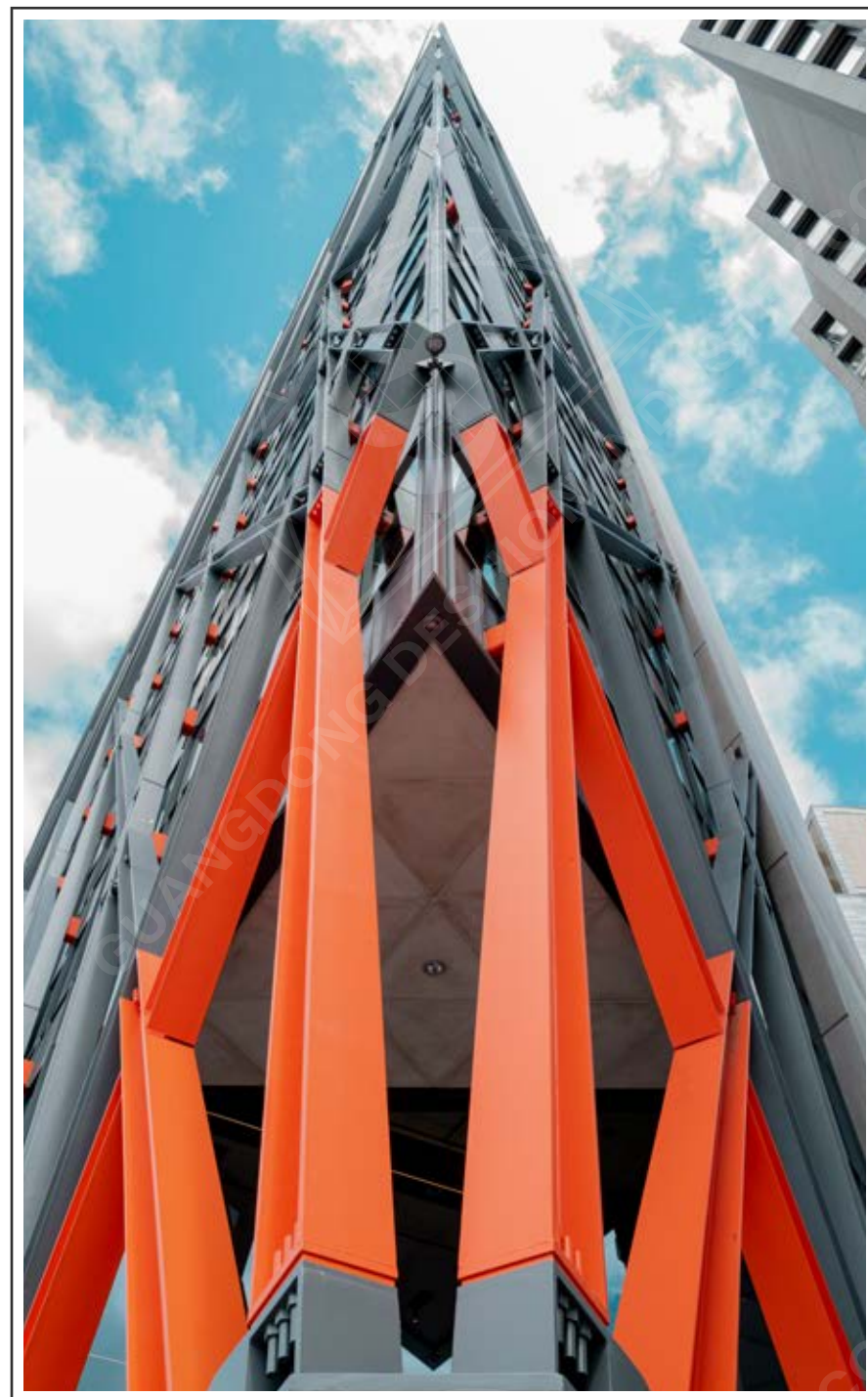


UPVC Frame Color



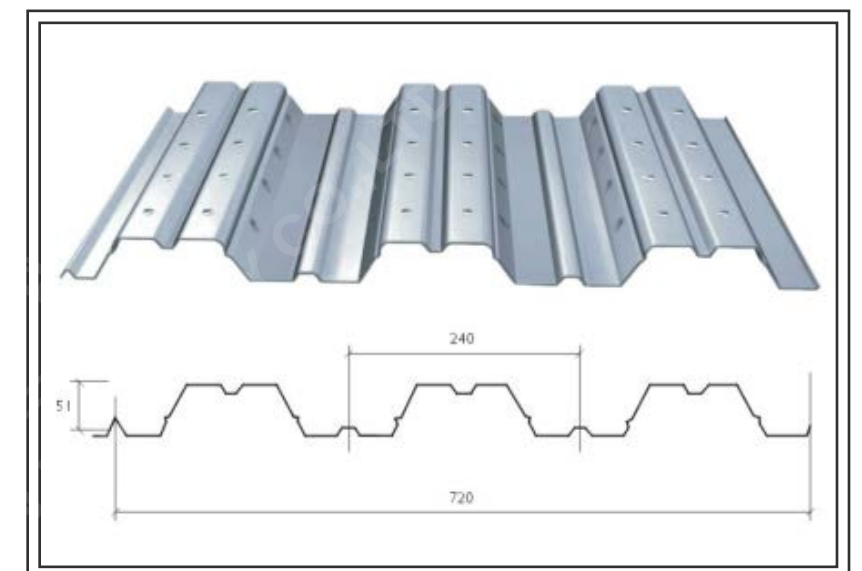
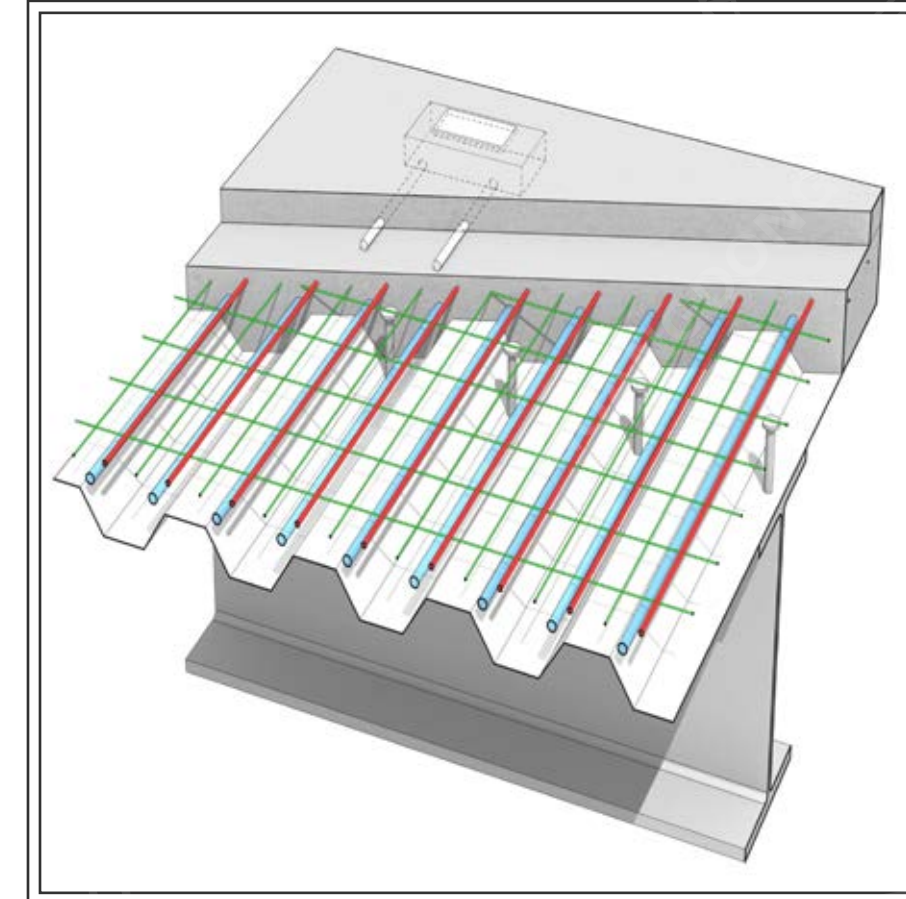
Characteristics of multistory structure

1. Great steel ductility, good seismic performance of the structure
2. Light weight, the weight of steel structure tall building is about 60% of the concrete structure, which could greatly reduce the cost of foundation and structure.
3. Short construction period, the construction speed of steel structure is about 1.5 times faster than that of reinforced concrete structure due to its high degree of factorization.
4. Small structure area, steel column area is about 1/3 of the concrete column and save 3% of the building area
5. Lower the storey height, steel beam sections are generally shorter than concrete and the pipeline can pass through the web of the steel beam. The same height allows more floors to be designed to increase the floor area.

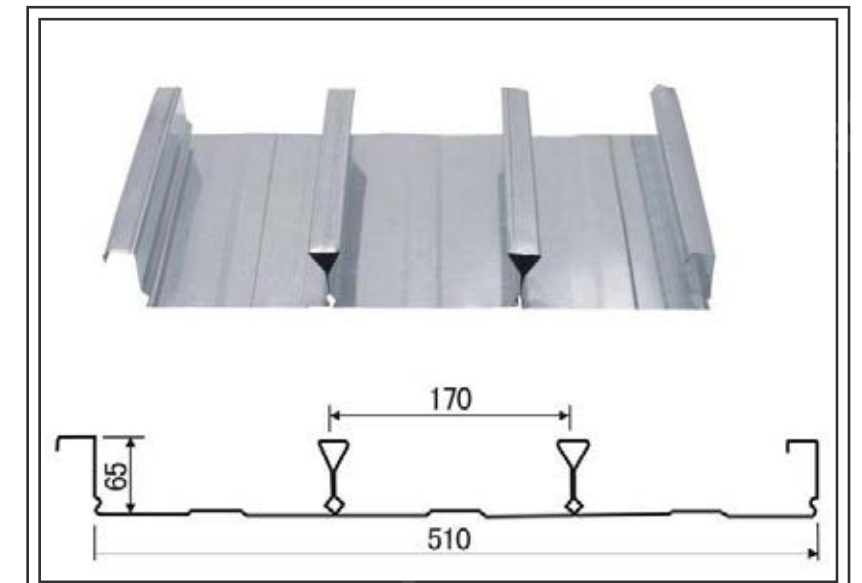


Floor bearing plate

1. In order to highlight the advantage of fast construction speed of steel structure, floor bearing plate is generally used in high-rise steel structure
2. When using floor bearing plate, scaffolding or form board is not required. Floor bearing plate can be used as permanent form board, which is high speed of construction and can also partially replace the floor reinforcement.
3. Floor bearing plate is usually open, closed, truss types



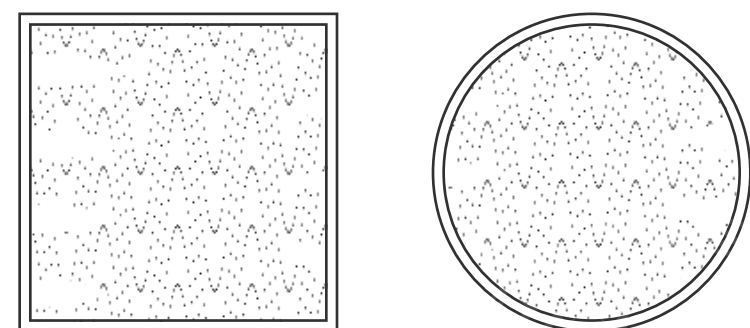
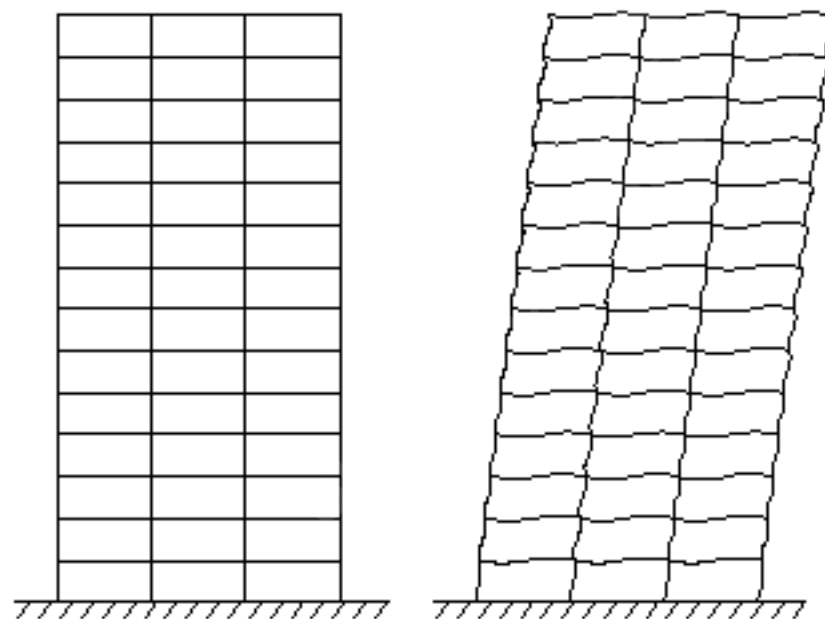
Floor bearing plate



Closed type floor bearing plate

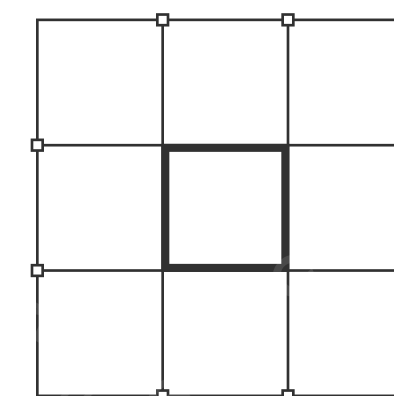
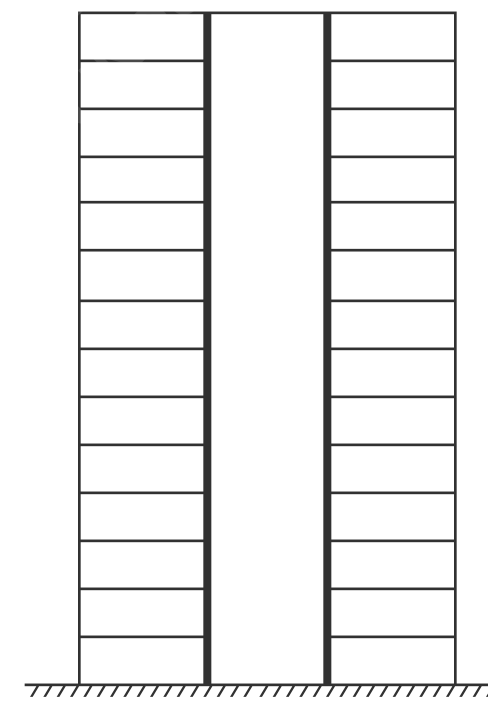
Frame structure

1. The frame is composed of columns and beams, bearing vertical and lateral forces
2. The performance of rigid frame against lateral force is poor, the lateral deflection of the structure is large, generally suitable for the structure of below 20 stories
3. The column generally uses box steel column or concrete filled steel tube column
4. The concrete-filled steel tubular column is filled with concrete in the round pipe or box column, which not only has the advantages of steel structure, but also makes full use of the good compressive properties of concrete.



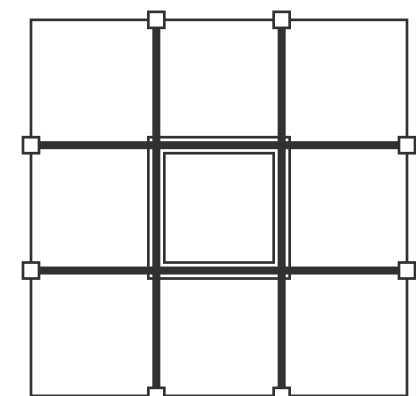
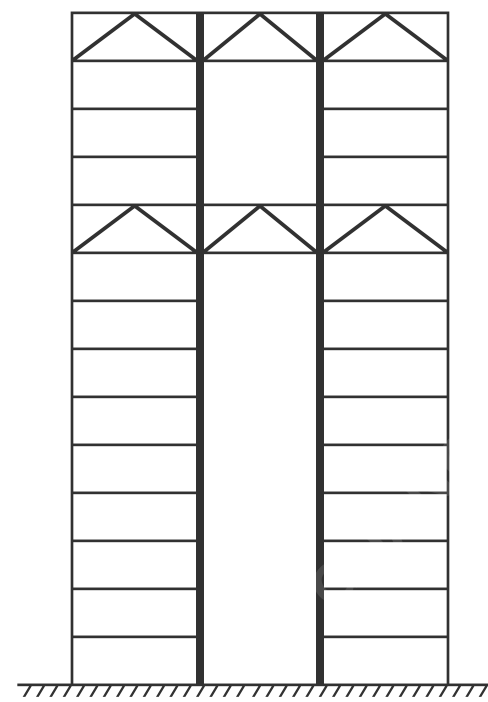
Framed-tube structure

1. This kind of structural system is generally composed of reinforced concrete core tube and outer steel frame.
2. The core tube is a square, rectangular or polygonal cylinder surrounded by more than four reinforced concrete walls, the interior is provided with a certain number of longitudinal and transverse reinforced concrete partitions. When the building is tall, a certain number of steel frames may be set in the core wall;
3. The outer steel frame is made up of steel column and steel beam.
4. The lateral deflection of the building is mainly resisted by the core tube, which is the most commonly used structural system in high-rise buildings



Lateral force resistance of high - rise steel structure - outrigger truss

1. Outrigger truss is an important measure to reduce lateral deflection of high-rise buildings
2. Outrigger trusses are generally located on the equipment floor or refuge floor, the width through the full width of the house, the height is one or two stories high, generally set up three to four floors in the whole floor height
3. The principle of outrigger truss is that when the building is subjected to lateral deflection, the axial tension force of the outer steel column exerts a reverse torque on the outrigger truss so as to reduce the lateral deflection



Application field



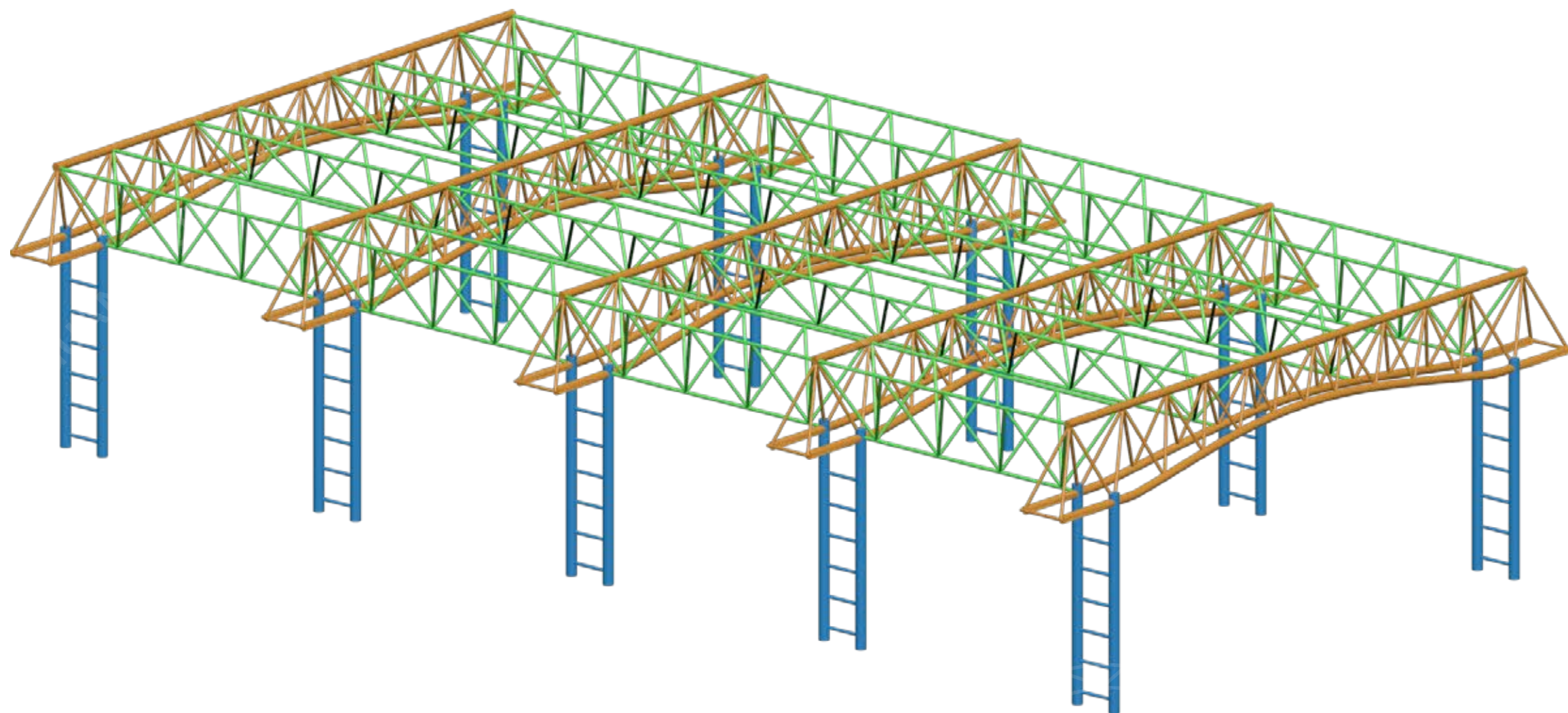
Multi-storey type Steel structure

Characteristics of truss structure

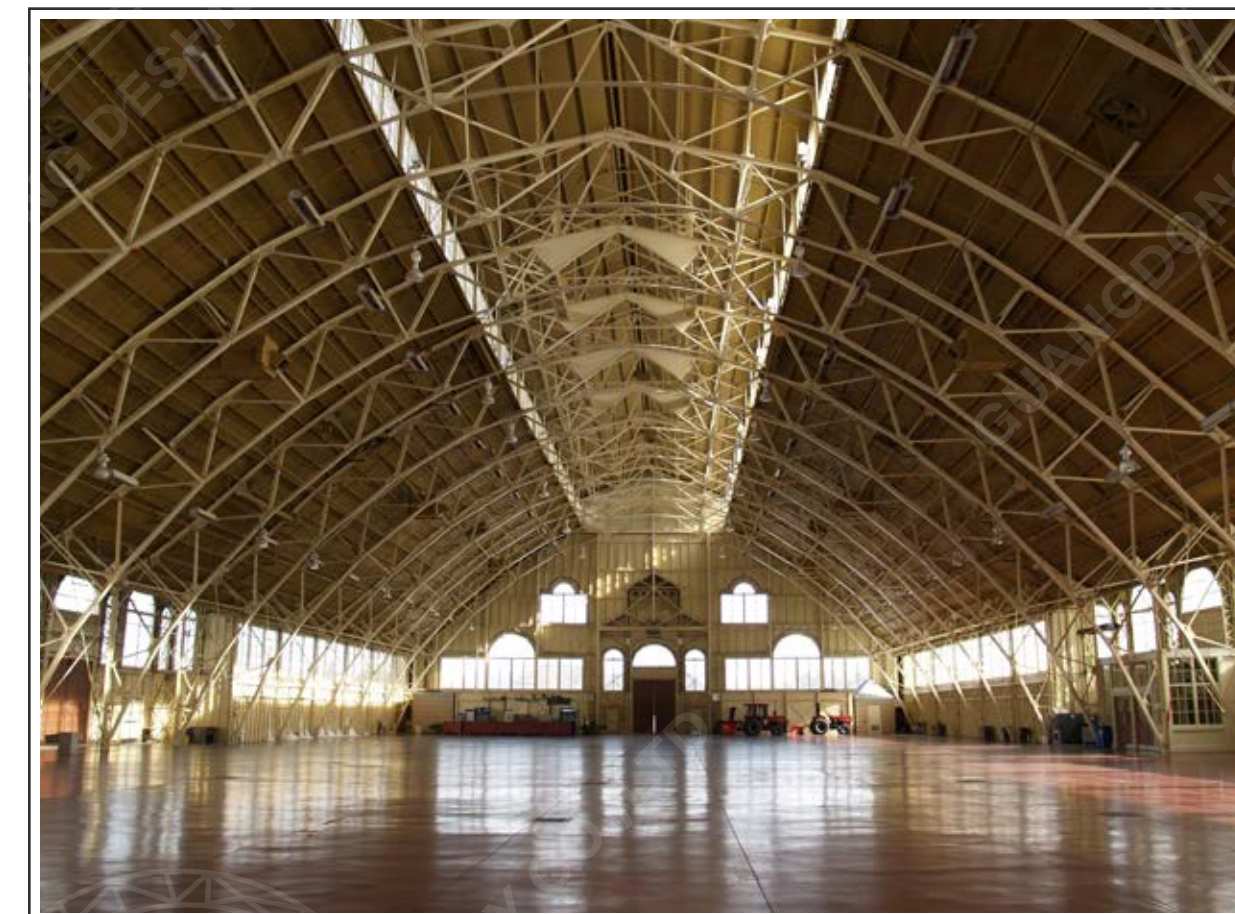
The truss is composed of steel tubes, strong carrying capacity in cross section and the cross section can be bent to curve modeling. Beautiful appearance, simple internal space, often used in public building

Stress of truss structure

Truss is actually a plane stress system, similar to frame structure, each stress plane system is connected through the longitudinal truss, as a longitudinal support, and also ensure the overall stability of the truss



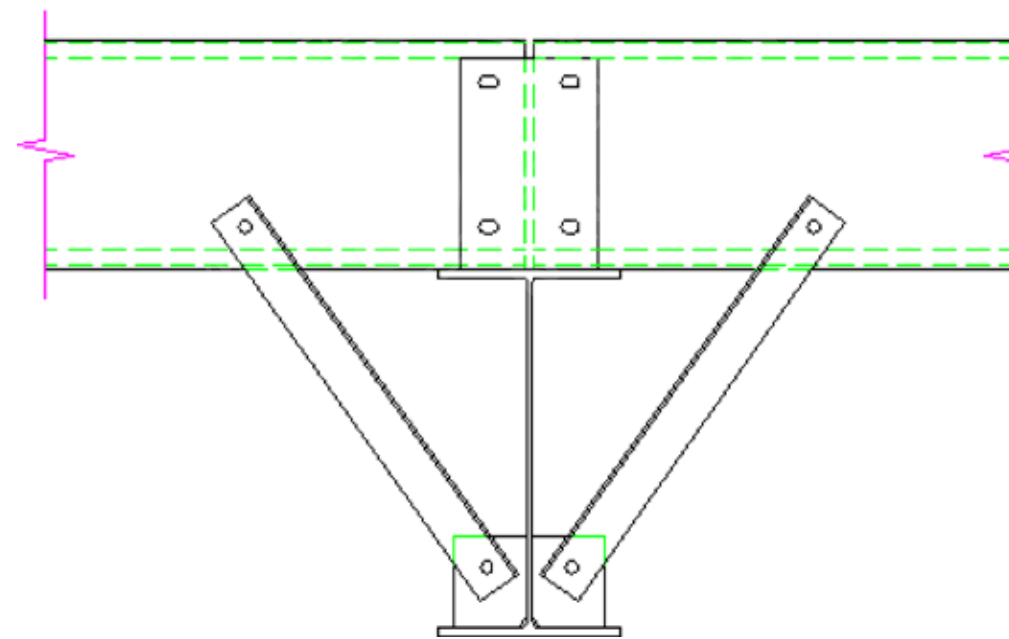
Steel truss Systems



Application field

Features of portal steel structure

Portal type steel frame light housing steel structure is a branch of light steel structure, the main characteristics of this structure are: light-weight, fast and efficient. Using energy conservation and environmental protection new building materials, achieve factory processing, on-site construction assembly, which is convenient and fast and saving construction cycle. The structure is durable, the building appearance is novel and beautiful, with superior quality and reasonable price, the economic benefit is obvious. The size arrangement of column net is flexible, which can meet the construction requirements under different climate conditions.



Out-plane stability of compression member

The out-of-plane stiffness of roof beam members is poor, it is necessary to add the corner brace and roof purlin to form a support system and ensure the stability of the compression flange

Connection of portal frame structure

High strength bolts are usually used to connect the structural members of portal rigid frame, therefore, the construction speed is fast and the quality is easy to ensure, welding on site should be avoided as far as possible.



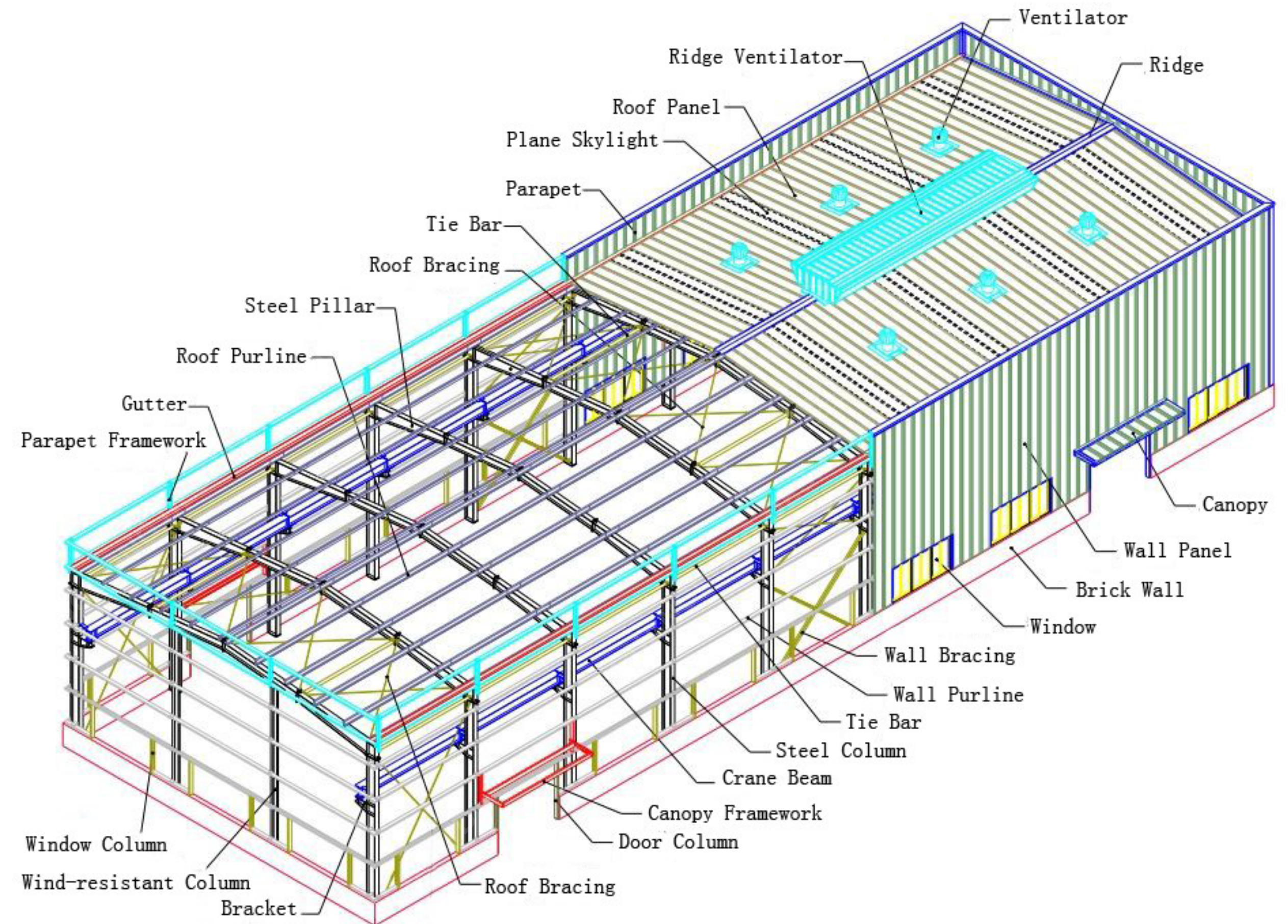
Structural stress

In single-storey and multi-storey houses and general structures, hot-rolled steel, welded steel, cold-formed thin-walled steel, profiled steel sheet and thin-walled steel pipe are composed as the main weighted components, adopts light roof and wall steel structure. Portal rigid frame is the most common structural form of light steel structure.

The weighted main structure of portal rigid frame is portal frame, it can be single-span, multi-span, and multi-layer structure

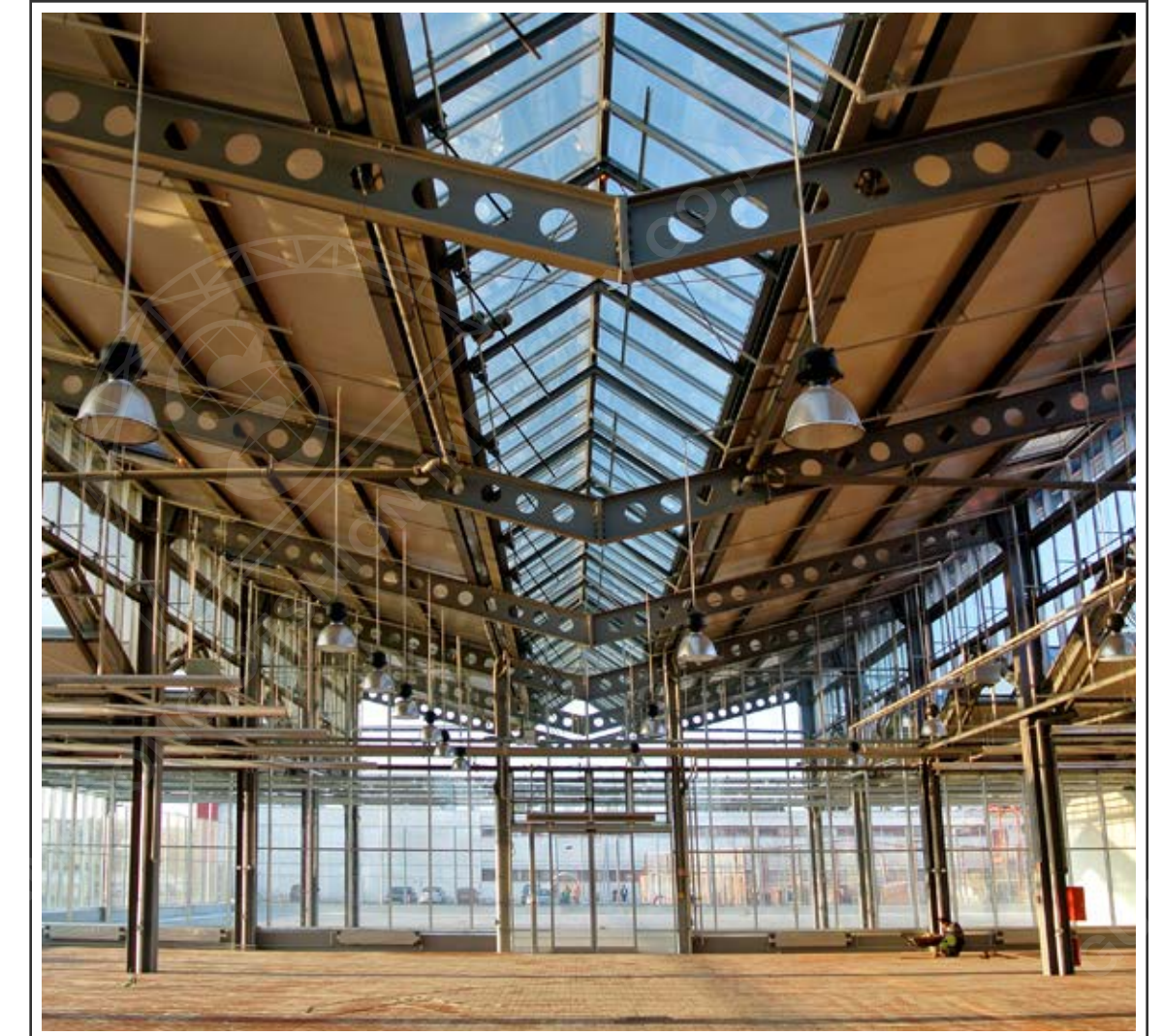
The economic span of portal rigid frame is about 24-30 meters.

The main structural members of the portal rigid frame is mainly H-beams and can be designed as variable cross-section according to the force position. If the stress is larger, lattice columns or roof trusses can also be used.





Portal Type Steel Structure systems



Application field

Characteristics of grid structure

1. Grid structure is a comparative maturity system, It is a whole structure composed of single component connected by spheres. It has the advantages of saving steel quantity, large space stiffness, good integrity and fast construction speed. But too many rods pieces appear to be very messy, not as beautiful as the truss structure.

2. The grid frame is a kind of high-order statically indeterminate structure, and the initial stress of the rod is not easy to control during construction, so the actual stress is not consistent with the calculation, and the quality problem is easy to occur.

3. According to the structural system, the grid frame can be divided into plane truss system and angle cone system. Plane truss system: two orthogonal forward grid frame, two orthogonal oblique grid frame; Pyramid system network frame: pyramidal network frame, triangular network frame

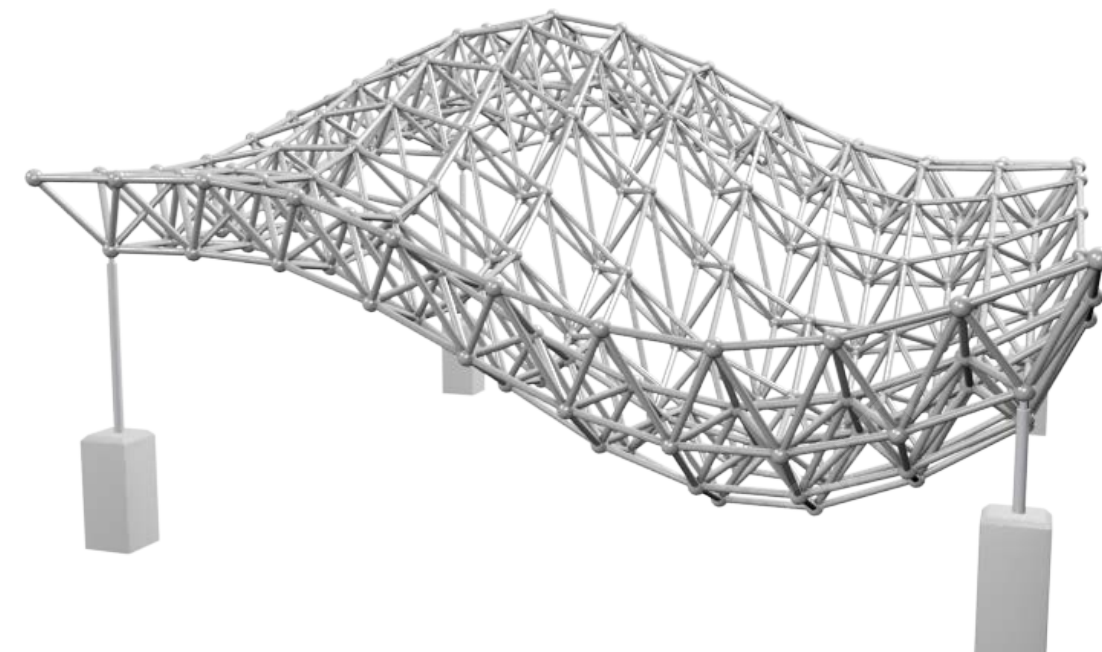
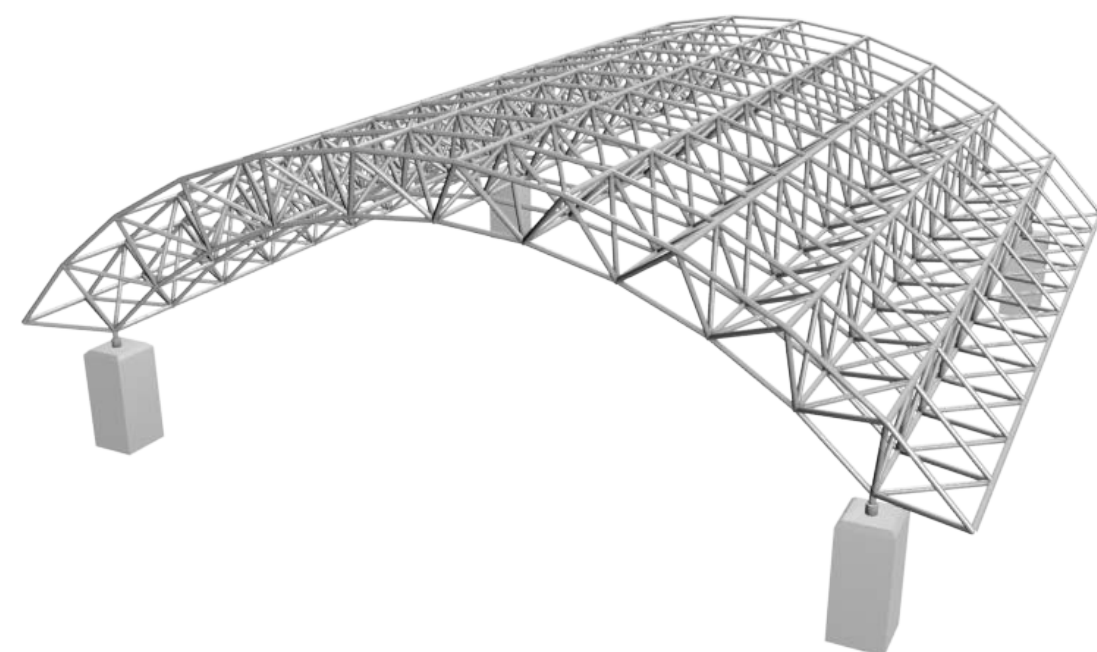
4. The connection of the grid frame can be by bolt ball and welding ball, bolt ball is generally suitable for small span grid frame, welding ball is suitable for large span grid frame.



Grid space steel structure systems



Application field



Features of Glass Railing (Handrail)

1. The glass stair railing has beautiful shape and the sensuality of the steel glass staircase line, which is full of fashion atmosphere.

2. The space can be enlarged visually, and the space will be brighter and more atmospheric. It can meet the different personalized needs of decoration users.

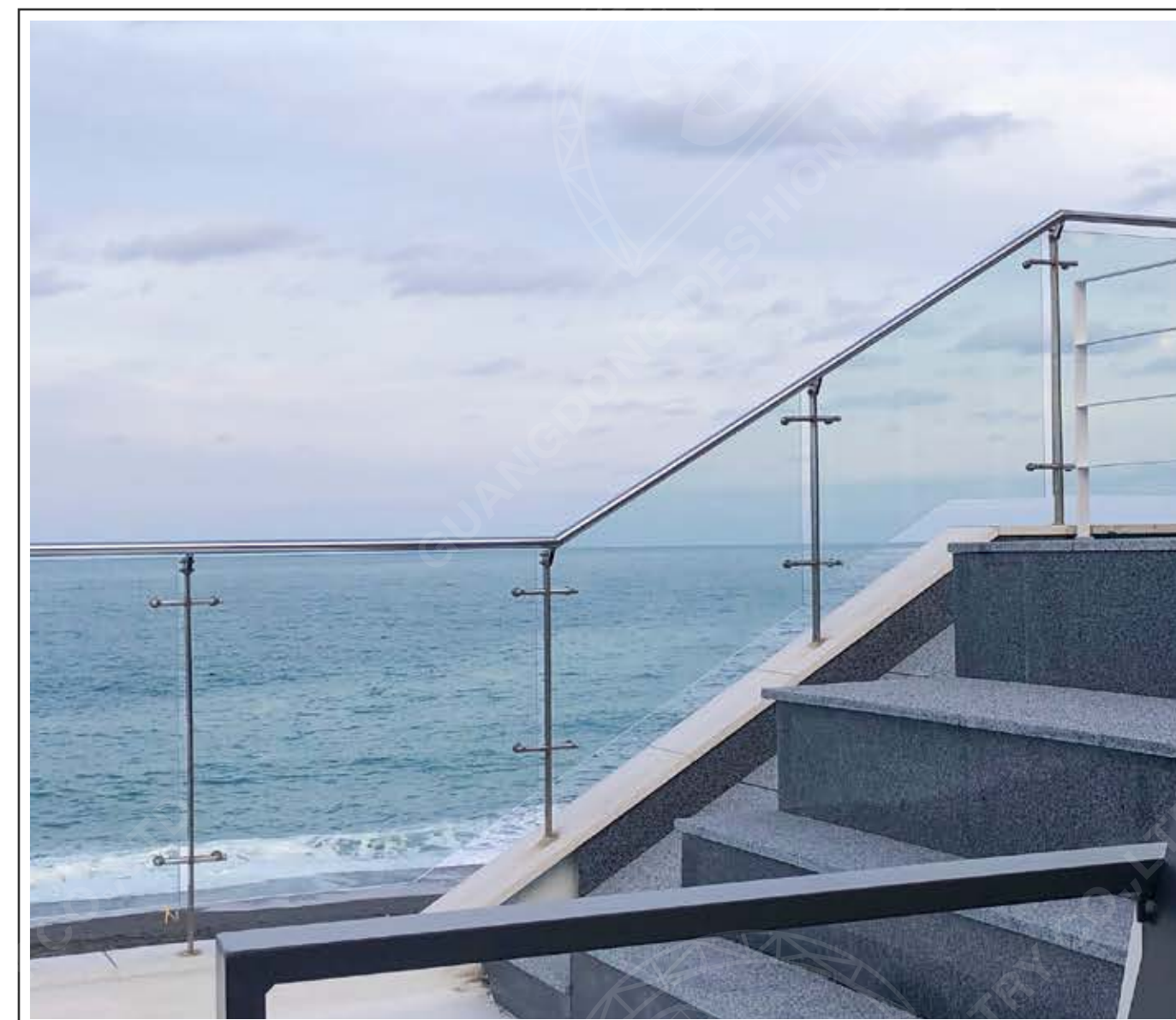
3. The natural texture can timely set off the noble and atmospheric feeling, and it is easy to match the floor color and the style of the room.

5. Easy to install, non-toxic and tasteless, suitable for home decoration.

Height (mm)	850 / 900 / 1000 / 1100 / 1200 or Customized
Spacing	According to the stairlength
Top pipe (mm)	(Common sizes) 80*40 / 60*30
Post (mm)	(Common sizes) 40*40
Horizontal bar (mm)	(Common sizes) 32*32 / 35*35 / 40*40
Vertical bar (mm)	(Common sizes) 19*19 / 16*16 / 25*12
Surface Treatment	Powder Coating
Material	Tempered glass / aluminum alloy / stainless steel / iron
Application	Bridge Railings / Handrails, Deck Railings / Handrails, Porch Railings / Handrails, Stair Railings / Handrails, Balcony



Glass railing (handrail)



Application field



Features of Stainless Steel Railing (Handrail)

1. The stainless steel guardrail is easy to install, and the stainless steel guardrail adopts plug-in installation, which is simple, fast and firm.

2. The stainless steel guardrail can be used at -50 ° C to 70 ° C. It does not fade, is corrosion resistant, has high strength, does not rust, and does not fade for ten years. After anti-aging tests, it is found that the stainless steel guardrail can reach 30 years without rusting.

3. Therefore, the quality and service life of stainless steel guardrails far exceed those of steel pipes processed by traditional methods. Stainless steel guardrails also have the advantage that they can be prepared in any color according to customer requirements, which can meet the needs of various customers.

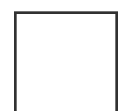
Height (mm)	850 / 900 / 1000 / 1100 / 1200 or Customized
Tube shape	Round or Square
Round Body Side (mm)	(Common sizes) 38.1 / 42.4 / 50.8 / 63.5
Square Body Side (mm)	(Common sizes) 40*40 / 50*50
Thickness (mm)	1.2mm / 1.5mm or Customized
Cable Tensioner	Optional
Cable Quantity	Normally 9~12 Lines, Depend On The Height
Cable Diameter	4mm / 6mm / 8mm / 10mm
Surface Treatment	Mirror or Satin
Material	Stainless Steel 304 or 316



Stainless steel railing (handrail)



Application field



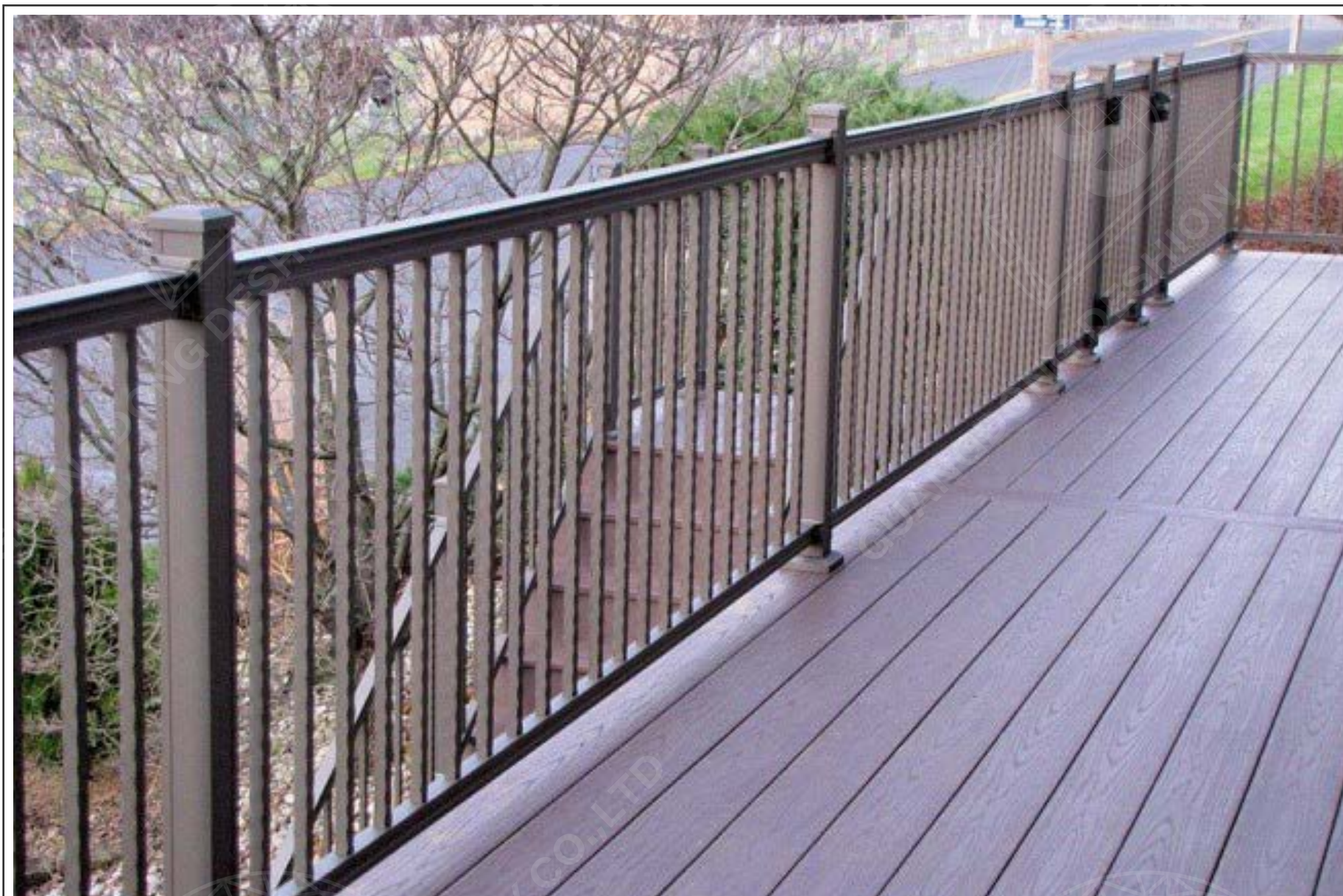
Features of Aluminum Alloy Railing (Handrail)

1. The structure is simple, the material is light, and the processing is easy. The product structure is assembled without solder joints. It is assembled from aluminum alloy profiles, aluminum alloy guardrail accessories, and screws. The connection is firm and stable, without loosening or falling off, and high safety performance. Easy to process

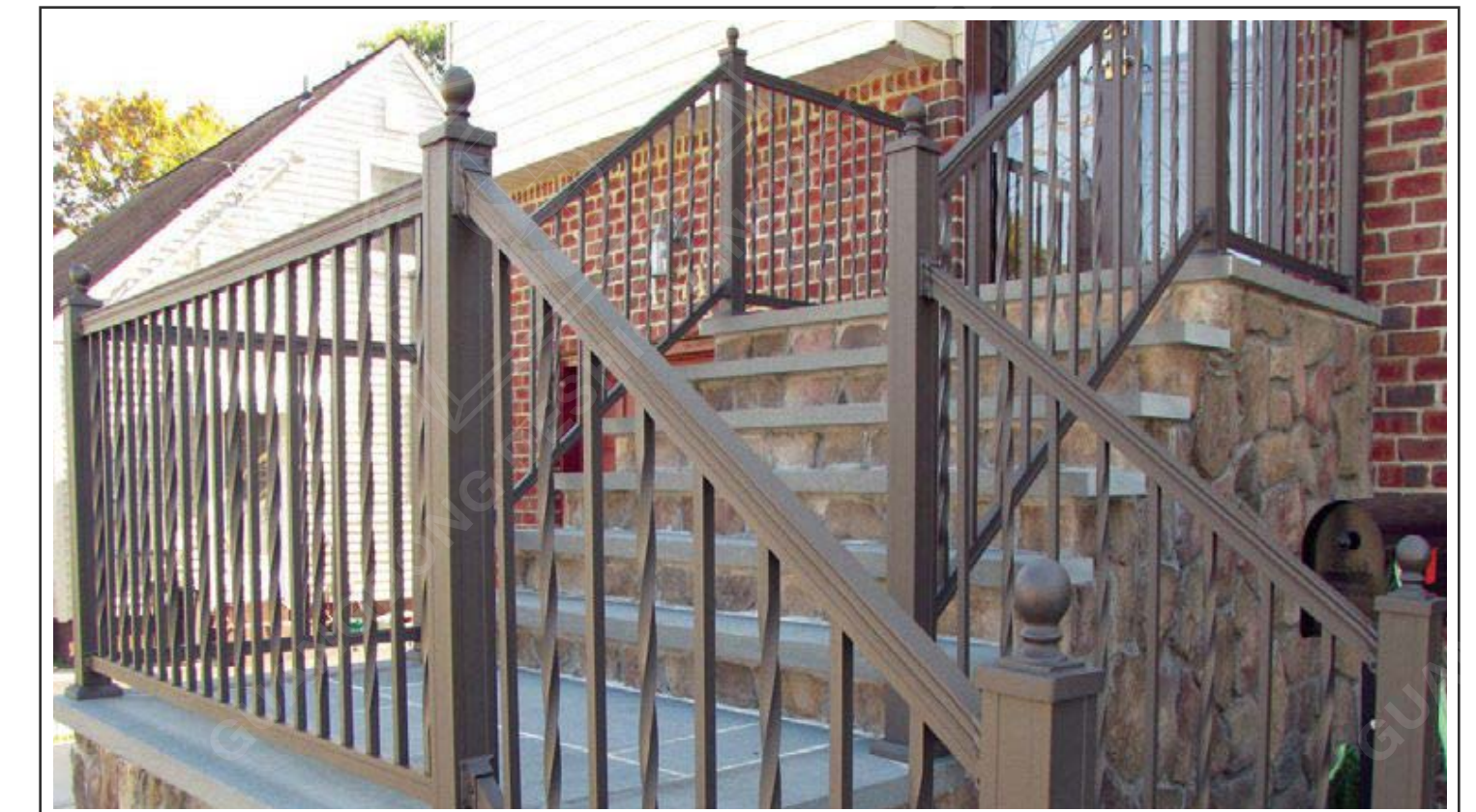
2. Aluminum alloy guardrail has high strength, strong toughness and corrosion resistance. The surface is treated with anti-oxidation, which makes the aluminum alloy products have a high anti-corrosion function.

3. The aluminum alloy guardrail has various colors. Not only plays the role of safety protection, but also enhances the visual effect and high taste of the appearance, and the personalized color design.

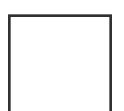
Height (mm)	850 / 900 / 1000 / 1100 / 1200 or Customized
Spacing	According to the stairlength
Top pipe (mm)	(Common sizes) 80*40 / 60*30 or Customized
Post (mm)	(Common sizes) 40*40
Horizontal bar (mm)	(Common sizes) 32*32 / 35*35 / 40*40 or Customized
Vertical bar (mm)	(Common sizes) 19*19 / 16*16 / 25*12 or Customized
Vertical bar spacing	110 or Customized
Surface Treatment	Mill / Anodizing (oxidation) / Sand blasting / Powder Coating / Electrophoresis / PVDFCoating
Frame	6063-T5 grade of aluminium alloy



Aluminum Alloy Railing (Handrail)



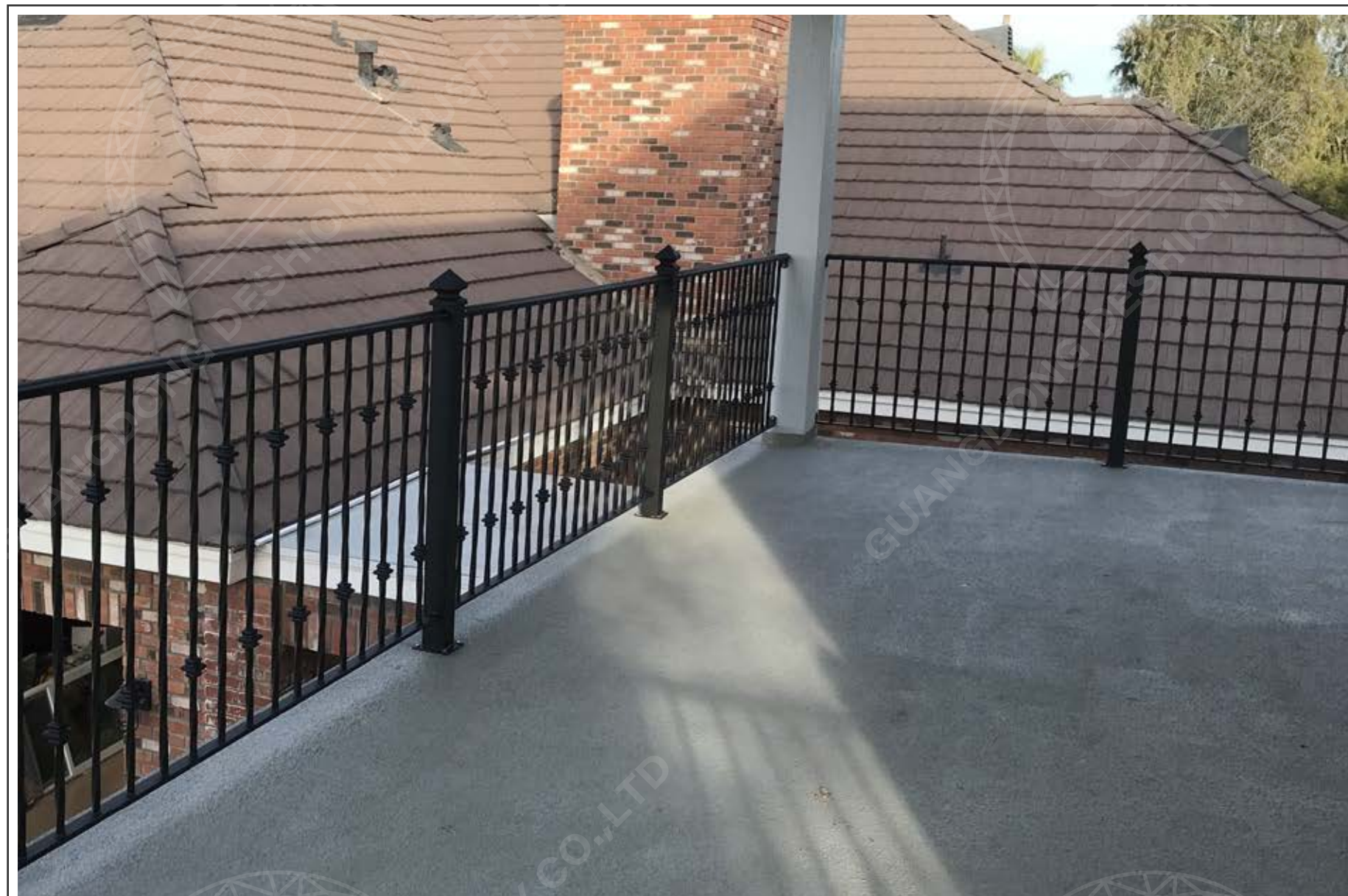
Application field



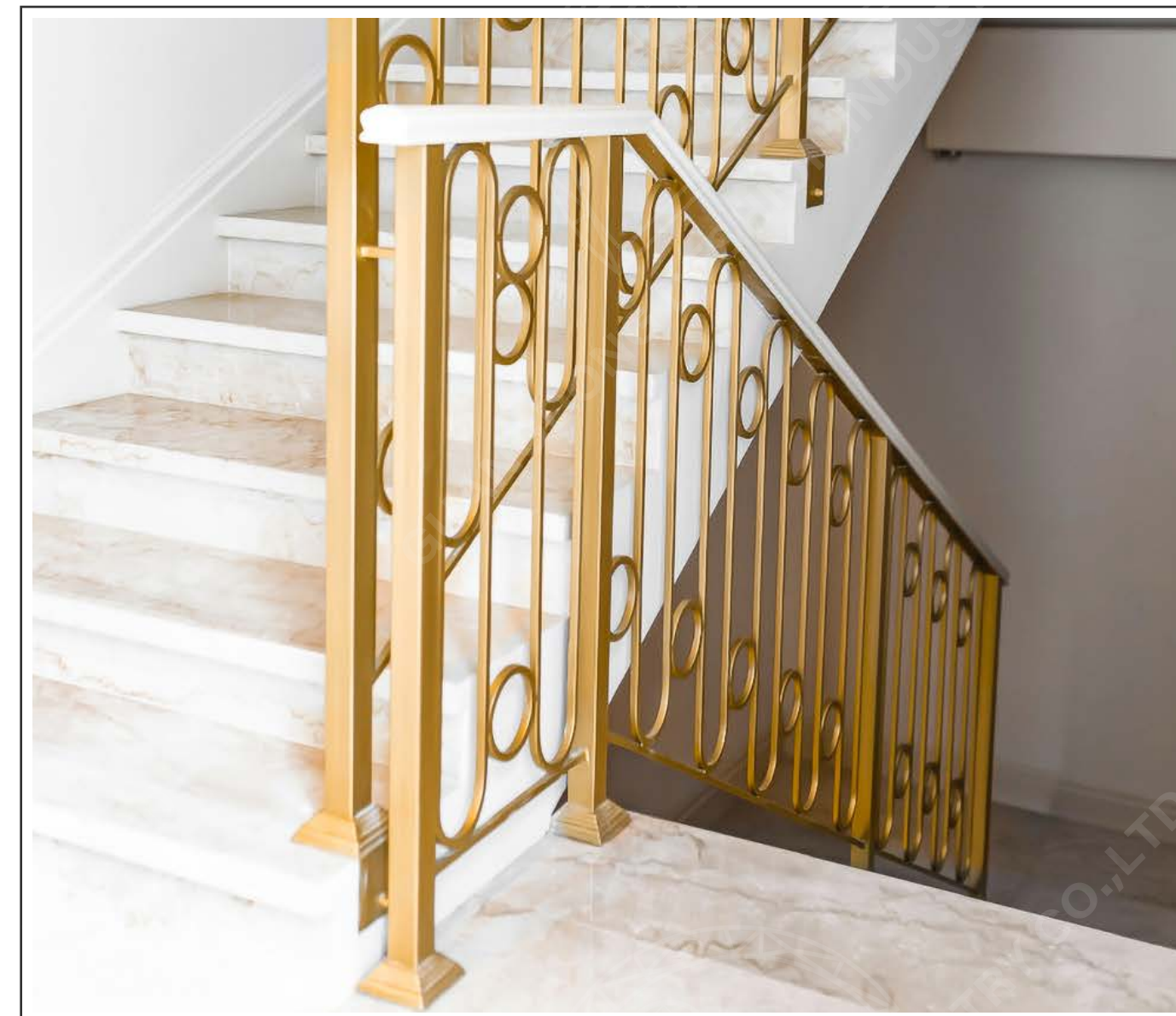
Features of Wrought Iron Railing (Handrail)

1. Sturdy, durable, reliable connection and good structure.
2. With strong plasticity, various specifications and styles of wrought iron fences can be built according to customer requirements.
3. Affordable price, easy installation, not restricted by terrain undulations, suitable for large-area use.

Height (mm)	Customized
Spacing	According to the stairlength
Pipe size	Customized
Iron flower	Customized
Vertical bar spacing	110 or Customized
Materialt	Wrought Iron



Wrought Iron Railing (Handrail)



Application field



Double Wire Fence Specification

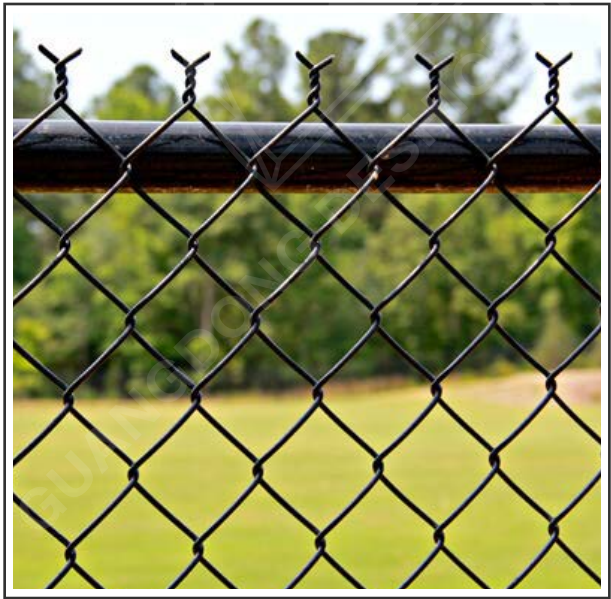
Double wire fence is made of high strength welded wire mesh, with simple structure, easy installation, low cost. It's mainly used in highway, farms, construction sites, railway, municipal and other fields of large area.

Height (mm)	800 ; 1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2100 ; 2500
Post distance (mm)	2000 ; 2500 ; 3000
Wire diameter (mm)	3.0 ; 3.5 ; 4.0 ; 4.5 ; 5.0 ; 6.0
Mesh size (mm)	50*100 ; 50*150 ; 50*200 ; 75*150 ; 80*160 ; 90*170
Post (mm)	□ 50*50 ; 60*60 ; 80*80 ○ 48 ; 60 ; 76
Surface treatment	①PVC coated; ②Powder coated; ③Hot galvanized



Net Guardrail (Fence) Series

Net Guardrail (Fence) Series



Chain Link Fence Specification

Chain link fence adopts the weaving technology (chainlink fence mesh) to process, simple and easy to install. It's very suitable for farms, green belts, stadiums, construction sites and enclose other places.

Height (mm)	1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2500 ; 3000
Post distance (mm)	2500 ; 3000
Wire diameter (mm)	3 ; 4 ; 5 ; 6
Mesh size (mm)	50*50 ; 60*60 ; 70*70 ; 80*80
Frame size (mm)	○ 38 ; 42 ; 48 ; 60 □ 20*30 ; 30*40 ; 30*30 ; 40*40 △ 30*30 ; 40*40 ; 50*50
Post (mm)	○ 48 ; 60 ; 76 ; 89 ; 100 □ 50*50 ; 60*60 ; 80*80 ; 100*100
Surface treatment	①PVC coated; ②Powder coated; ③Hot galvanized

European Style Fence Specification

European style Fence are made of high strength welded wire mesh, can be used with various types of columns. This fence is of high rigidity and aesthetic appeal, mesh and post's connection mode is diversified, and it's convenient and quick to install.

Height (mm)	1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2200 ; 2500 ; 3000
Post distance (mm)	1500 ; 2000 ; 2500 ; 3000
Wire diameter (mm)	3.5 ; 4.0 ; 4.5 ; 5.0 ; 5.5 ; 6.0
Mesh size (mm)	50*100 ; 50*150 ; 50*200 ; 60*120 ; 65*200 ; 75*150
Post (mm)	□ 50*50 ; 60*60 ; 80*80 □ 40*60 ; 40*80 ; 50*70 ⊕ 50*70 ; 70*100 ⊕ 44*70 ; 55*100
Surface treatment	①PVC coated; ②Powder coated; ③Hot galvanized



Net Guardrail (Fence) Series

Net Guardrail (Fence) Series



Double Horizontal Wire Fence Specification

Double horizontal wire fence has tensile strength, is the most strongest fence. it's mainly used for high safety places.

Height (mm)	1000 ; 1500 ; 1800 ; 2000 ; 2500 ; 3000
Post distance (mm)	2000 ; 2500
Wire diameter (mm)	5/4/5 ; 6/5/6 ; 8/6/8 ; 5/5/5
Mesh size (mm)	50*200 ; 65*200
Post (mm)	□ 50*50 ; 60*60 ; 80*80 □ 40*60 ; 40*80 ; 50*70 ⊕ 50*70 ; 70*100
Surface treatment	①PVC coated; ②Powder coated; ③Hot galvanized

Fence With Decotative

The fence is made of welded wire mesh, with decorative shapes, European design, and elegant appearance, which is very popular.



Holland Fence

Fence is made of dovetail column and roll of net, net and column connected by u-shaped clip, fast and convenient to install, can adapt to the installation of rough terrain.

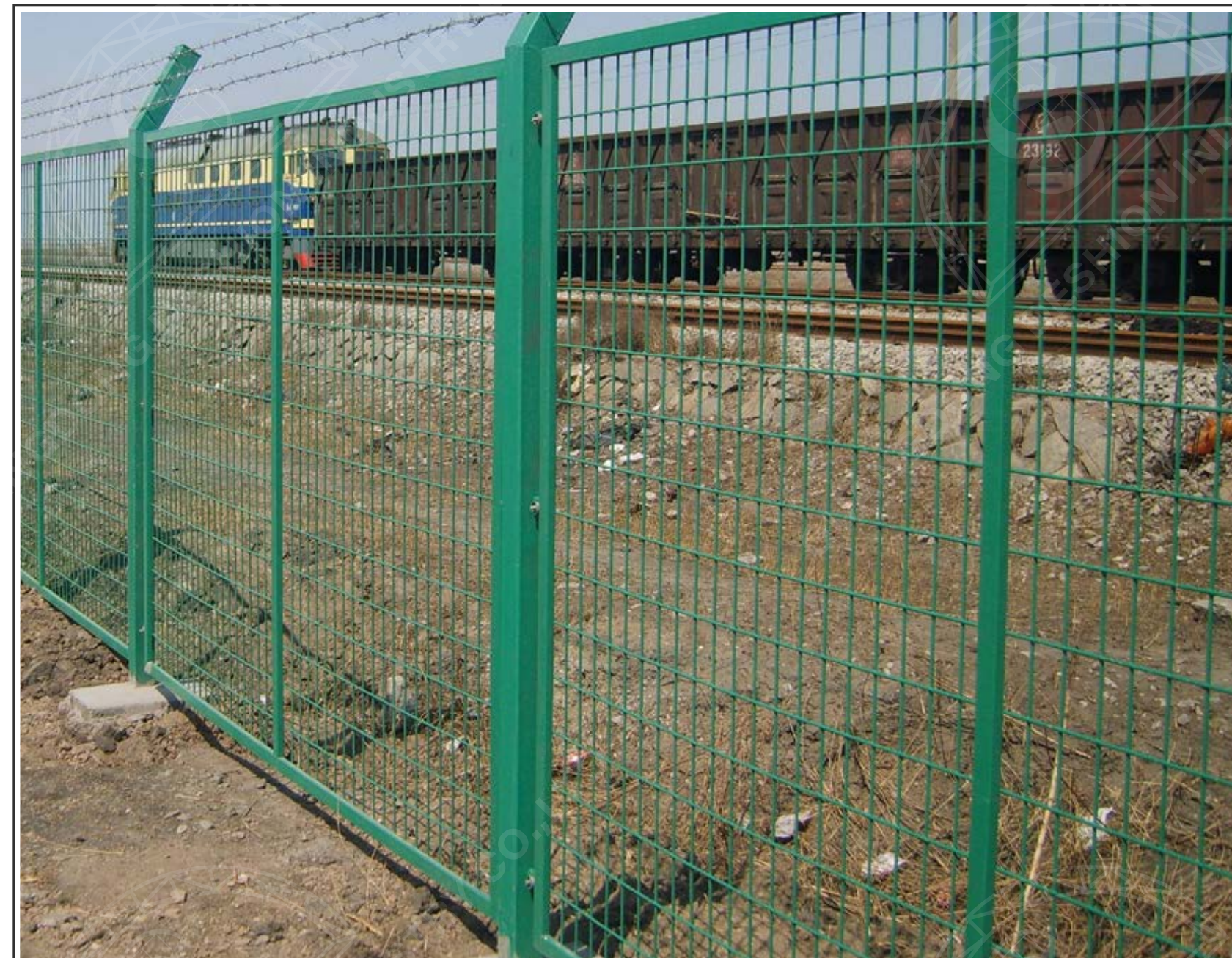


Cattle Fence

Cattle fence is made of high strength galvanizing steel wire, with high tensile strength, can stand on slaughter of cattle, horses, sheep and other livestock.



Net Guardrail (Fence) Series



(Welded Wire Mesh Panel) Frame Fencing Specification

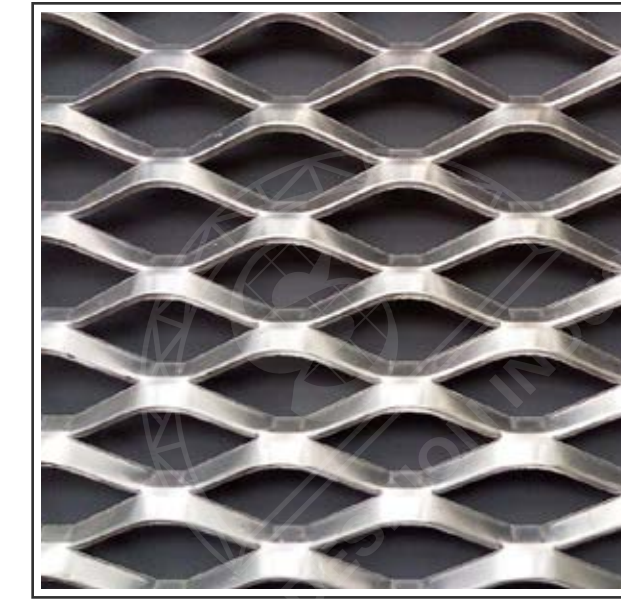
Fence mesh is made of high strength welded wire mesh, adoption steel pipe as a framework around mesh, which can greatly enhance the strength of the fence, at the same time can improve the smoothness of mesh.

Height (mm)	1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2500 ; 3000
Post distance (mm)	2000 ; 2500 ; 3000
Wire diameter (mm)	3 ; 3.5 ; 4 ; 4.5 ; 5 ; 6
Mesh size (mm)	□ 50*100 ; 50*150 ; 50*200 ; 80*160 ◇ 50*50 ; 50*100
Frame size (mm)	□ 10*20 ; 14*20 ; 20*30 ; 30*40 ; 30*30 ; 40*40 ○ 20 ; 25 ; 32 ; 38 ; 48 < 30*30 ; 40*40 ; 50*50
Post (mm)	□ 50*50 ; 60*60 ; 80*80 ; 100*100 ○ 48 ; 60 ; 76 ; 89 ; 100
Surface treatment	①PVC coated; ②Powder coated; ③Hot dipped galvanized

(Metal expanded mesh)Frame fencing Specification

Fence mesh is made of metal expanded mesh. Expanded mesh fence uses high quality steel plate to stamping, stretching, and mesh shapes up at one time, without welding points, very strong and durable. While steel expanded mesh fence has good anti-dazzle effect, is widely used in road isolation and anti-dazzle.

Height (mm)	1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2500;3000
Post distance (mm)	2500 ; 3000
Wire diameter (mm)	3 ; 4 ; 5
Mesh size (mm)	20*30 ; 30*60 ; 40*80 ; 50*100 ; 100*200
Frame size (mm)	□ 10*20 ; 14*20 ; 20*30 ; 30*40 ; 30*30 ; 40*40 ○ 20 ; 25 ; 32 ; 38 ; 48 ∠ 30*30 ; 40*40 ; 50*50
Post (mm)	□ 50*50 ; 60*60 ; 80*80 ; 100*100 ○ 48 ; 60 ; 76 ; 89 ; 100
Surface treatment	①PVC coated; ②Powder coated; ③Hot dipped galvanized



Net Guardrail (Fence) Series

Net Guardrail (Fence) Series



Perforated board fence Specification

Suitable for beach wind protection, construction isolation, road isolation, etc. The galvanized steel pipe is not easy to rust, the use of full welding and welding reinforcement has a long service life, and the color of the surface layer of the electrostatic spraying treatment can be freely matched

Height (mm)	2000 ; 2500
Post distance (mm)	2500
Thickness(mm)	0.7; 0.8; 0.9; 1.0; 1.2
Mesh size/ Hole distance(mm)	20*20
Post(mm)	□ 80*80 ; 100*100
Connected way	Welded small plate connected by screw
Surface treatment	Powder coated

High Security Fence

Fence is also called high safety dense fence, have anti tamper, anti shear, anti climb these multiple security functions, can effectively resist the invasion of outside staffs, to ensure the safety of field.



Airport/Prison/Army/Border

The airport/prison/military fence is also known as "Y-shaped safety net", which is composed of V-shaped bracket columns, reinforced welded sheet nets, security anti-theft connectors and hot-dip galvanized blade cages, with strength and security defensive levels Very high.

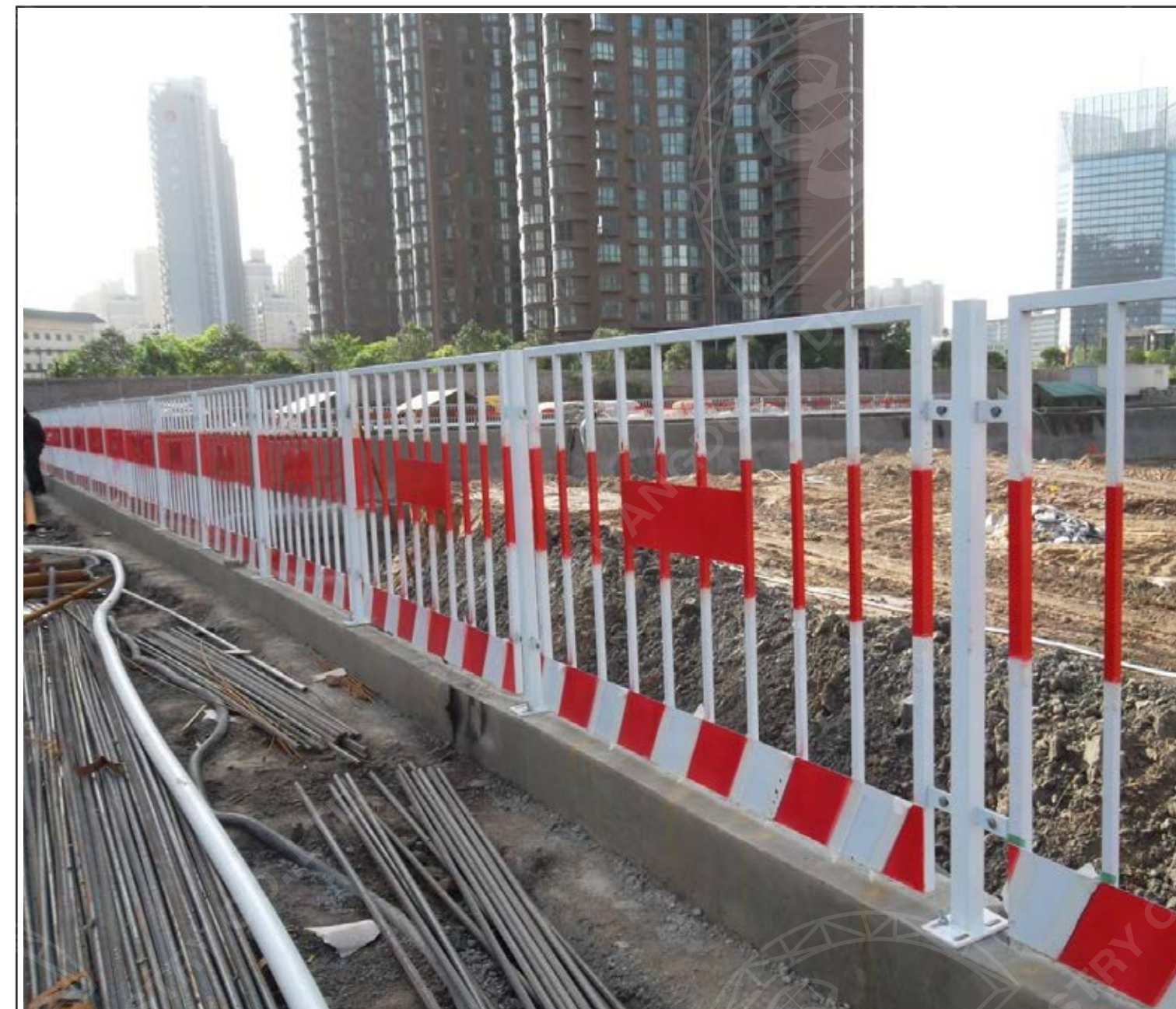


Razor Barbed Wire

Razor net is a new type of protective net. Economical and practical, good anti-blocking effect, convenient construction and other excellent features, it is widely used in industrial and mining enterprises, garden apartments, border posts, prisons, government buildings and other safety facilities.



Foundation Pit Fencing Mobile Fence



Steel Tubular Fencing Specification

After a special process, the surface has strong adherence, not easy to rust, not easy to fade, strong corrosion resistance, and good anti-cracking effect. Different fences have different decorative effects, and there are many colors, and the area formed after spraying can be made in different ways to meet various needs.

Height (mm)	1000 ; 1200 ; 1500 ; 1800 ; 2000 ; 2500 ; 3000
Post distance (mm)	2000 ; 2500 ; 3000
Horizontal bar*Vertical bar (mm)	□ 32*16 ; □ 40*19 ; □ 45*25
Vertical bar spacing (mm)	110 ; 120 ; 150
Post (mm)	□ 50*50 ; 60*60 ; 80*80 ; 100*100
Surface treatment	Powder coated
Optional accessories	Plastic accessory, aluminium accessory, hardware accessory, cast aluminium accessory (Please refer to the attachments for more details.)



Net Guardrail (Fence) Series

Net Guardrail (Fence) Series



PVC Fencing Specification

1. It is simple and quick to make and install, without painting and maintenance, long new and never old, avoiding the fatigue and trouble of maintenance, and low overall cost.
2. There are many varieties and specifications, with a variety of shapes for you to choose, both European and American style and current fashion, showing noble and modern beauty.
3. It is safe, environmentally friendly and harmless to people (livestock). Even if the guardrail is touched unintentionally, it will not hurt people like steel or iron guardrails.

Post distance (mm)	2000 ; 2500 ; 3000
Vertical bar (mm)	25*70 ; 20*46
Horizontal bar(mm)	36*56 (lined steel 30*50) ; 20*46 (lined steel 15*30)
Post (mm)	□ 85*85 (lined steel 80*80) ; 36*56 (lined steel 30*50)
Color	Vertical bar insert can be choosed white, blue, green or dark green

Corrugated Beam Guardrail

Corrugated beam guardrail barrier is the highway guardrail anti-collision facilities, mainly in order to prevent the vehicle out of the road, it is made of galvanized steel plate processing, different requirements of roads use of different specifications.



Noise Barrier Series

Sound waves encounter sound barrier in the spread process, it will occur reflection, transmission and diffraction of three phenomena. The sound barrier has sound insulation and noise reduction and so on these effects.

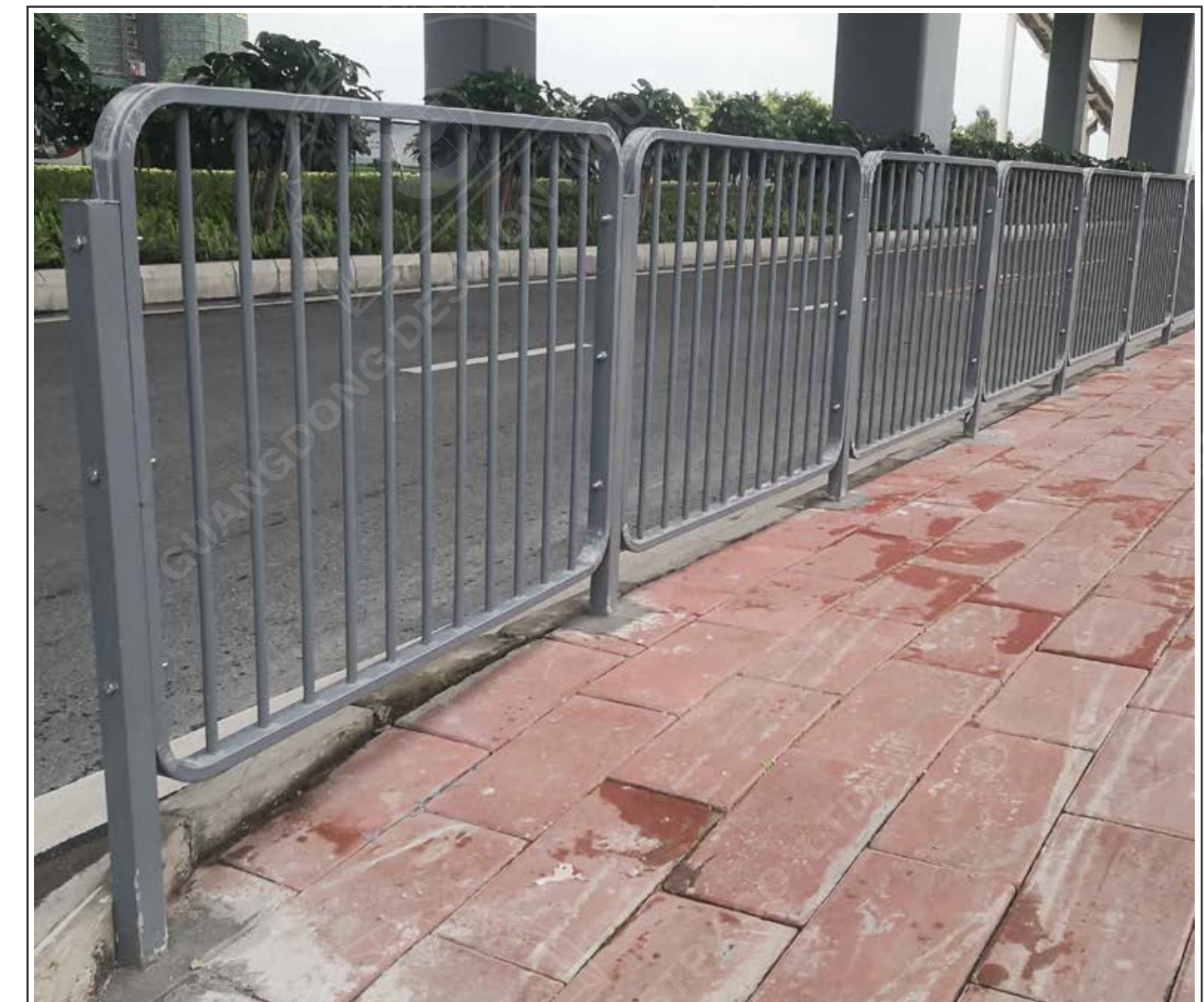


Gate (Access Control) Series

Razor net is a new type of protective net. Economical and practical, good anti-blocking effect, convenient construction and other excellent features, it is widely used in industrial and mining enterprises, garden apartments, border posts, prisons, government buildings and other safety facilities.



Municipal Isolation fencing

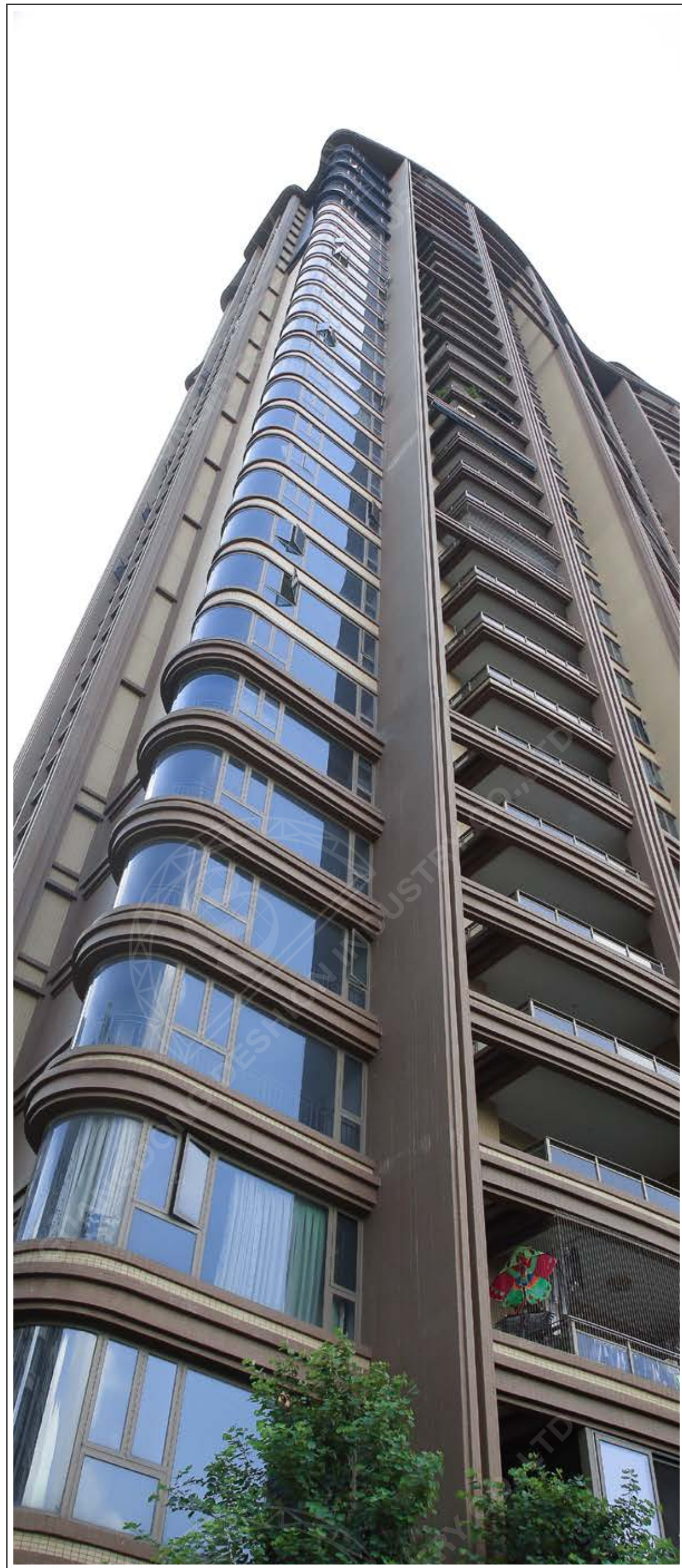


Project Case



L i v e s h o o t i n g





L i v e s h o o t i n g



D e s i g n



Project Case

Project Case

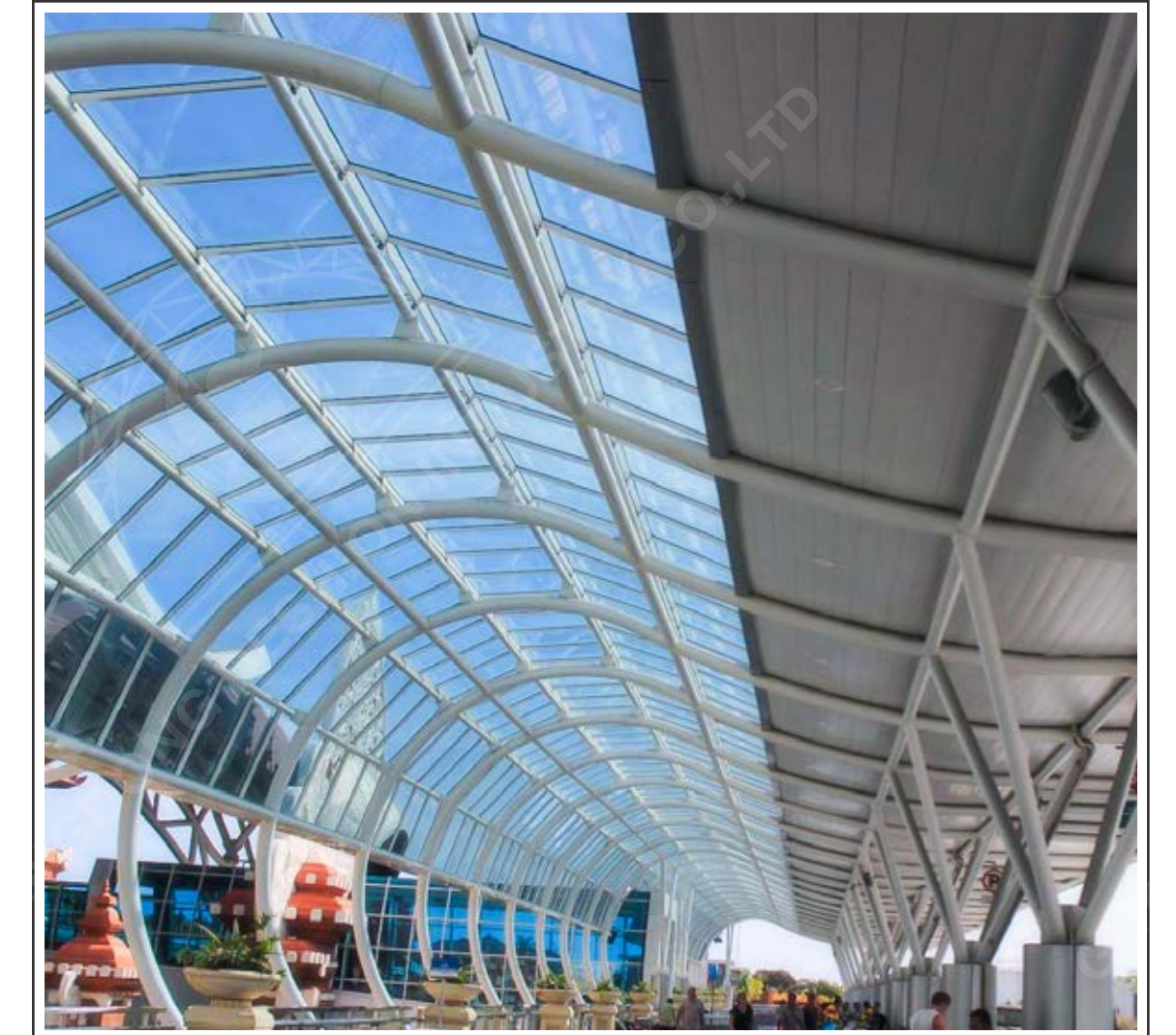
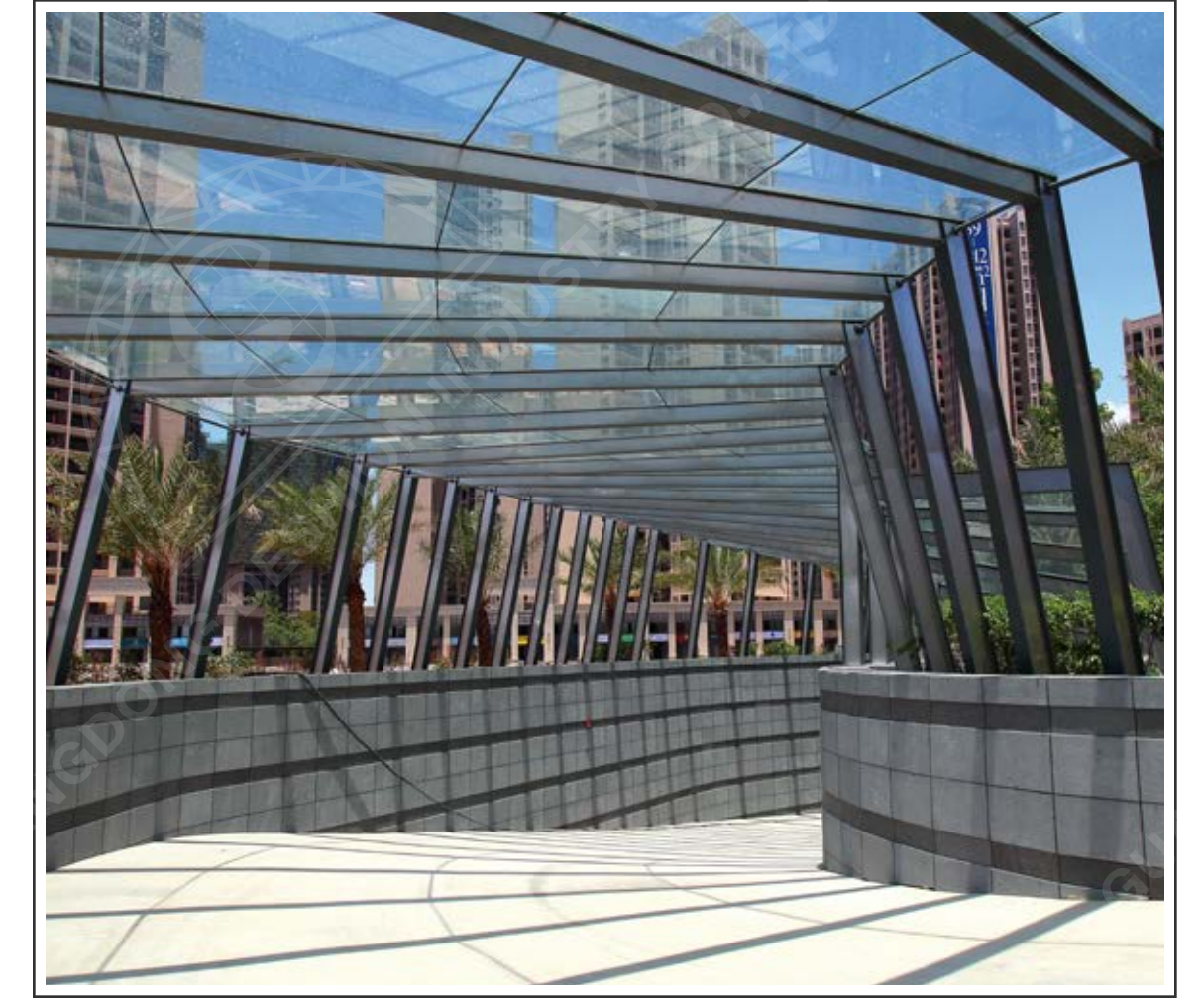


L i v e s h o o t i n g





Live shooting



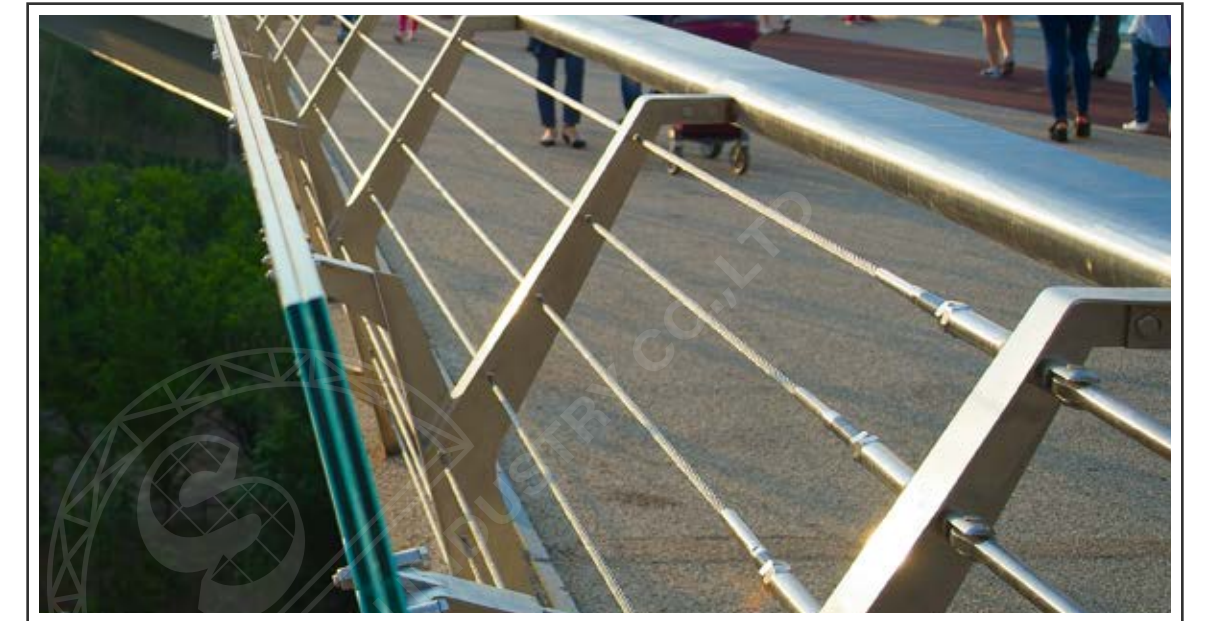
Project Case



L i v e s h o o t i n g



D e s i g n



Project Case



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