

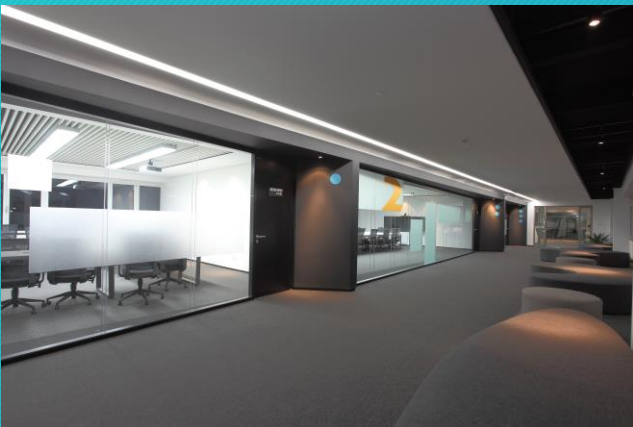




Project Engineering

National Secondary Architectural Decoration Design And Construction Enterprises

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Professional, Custom-made, Credibility, Cooperation

Aluminum Casement Window

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Casement windows appearance : Gorgeous Fashion And Esthetic Nature

Frame width: 50mm, 55mm, 60mm, 70mm. Natural ventilation, easy to open, reasonable structure, casement, top-hung casement, opening outwards, opening inwards and personalized custom-made. Suitable for villas, hotels, clubs, office buildings, residential buildings and other senior buildings.

The extreme consideration towards the enhanced level of visual feast are like a dream living in-between reality and illusion, and it walks towards you leisurely, interpretation of charm will be out of the ordinary relying on its natural beauty.



Aluminum Casement Window

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



现代主义简约的设计精神在这里得到淋漓尽致的发挥，每一个细节中都体现出匠心独具。

The charming of modernism concise is thoroughly exerted in here, and the craftsmanship is represented in every detail.



Aluminum Casement Window

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum Casement Window

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063

航天材料·航天品质
AEROSPACE MATERIALS, AEROSPACE QUALITY

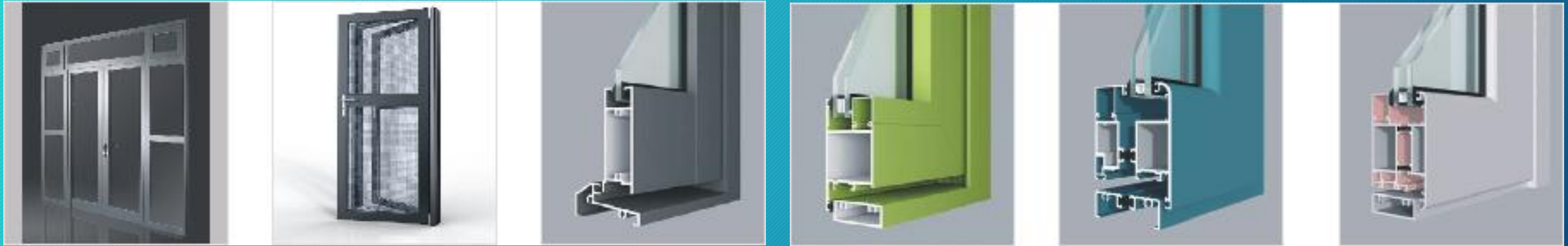


专注·时尚·生活
ABOORBO·FASHION·LIFE

064

Aluminum Casement Door

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Casement door appearance: solid, durable and seal safety.

Frame width: 50mm, 55mm, 60mm, 70mm, handsome appearance, opening in a large area; single-leaf, double-leaf, a variety of surface treatments, personalized custom-made. Suitable for villas, hotels, clubs, office buildings, residential buildings and other senior buildings.

Better performance, better airtight effect, unbeatable dust, noise and heat insulation effect of the traditional sliding doors.



Aluminum Casement Door

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum Frame Glass Door With Floor Hinge

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Floor spring glass doors: 180 ° free opening
Floor spring door is a kind of spring door, with buried door hinge spring or built-in vertical spring, the doors could open inwards and outwards freely, and it is in the closed position if without touching.



Aluminum Frameless Glass Door With Floor Hinge

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



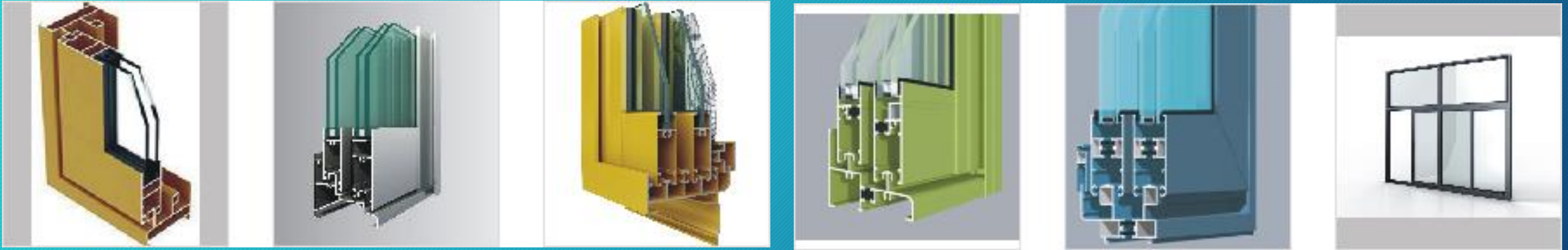
Floor spring glass doors: 180 ° free opening

Floor spring door is a kind of spring door, with buried door hinge spring or built-in vertical spring, the doors could open inwards and outwards freely, and it is in the closed position if without touching.



Aluminum Sliding Windows

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Sliding window appearance: stylish simplicity and sharp cold feeling.

Frame width: 55mm, 75mm, 80mm, 90mm. Easy to open, affordable conventional general sliding window. Thermal insulated plastic injection and thermal insulated bar will make the performance perfection at airtight, watertight and thermal insulation. Various surface color diversity for your personal requirements. Suitable for villas, hotels, clubs, office buildings, residential buildings and other senior buildings.



Aluminum Sliding Windows

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

别墅推拉窗 Villa sliding window

产品概述：

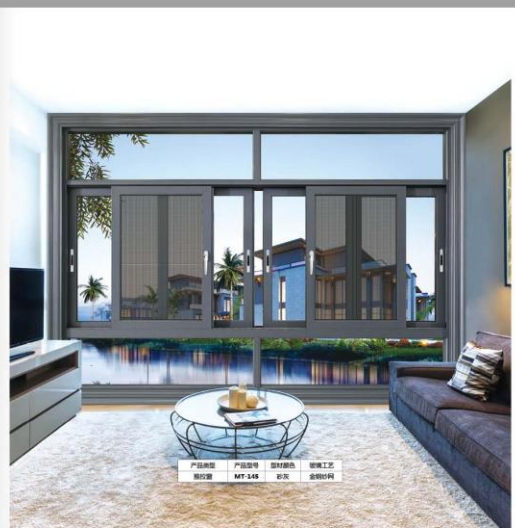
- 型材：壁厚 40mm，采用铝合金中框注胶，牢固耐用。
- 密封条：采用德国进口密封条，密封设计，增强了窗体的气密性（防风）和隔热性（防风）。
- 外框：采用加厚型材，外框更为牢固。
- 可配置多种玻璃类型和厚度，方便用户选择。
- 配置防坠铁钩下限位。
- 配置防雨棚下限位，永不漏水，避免雨水倒灌下流和室内门框被水浸泡。
- 中空玻璃结构（内含分子干燥剂，防止玻璃起雾发霉），厚度 5mm 钢化玻璃。
- 可配置手动或电动启闭器。

开合方式：



使用场所：

高档住宅、别墅、酒店等



产品名称	产品型号	型材规格	玻璃工艺
推拉窗	MT-146	40mm	全钢化



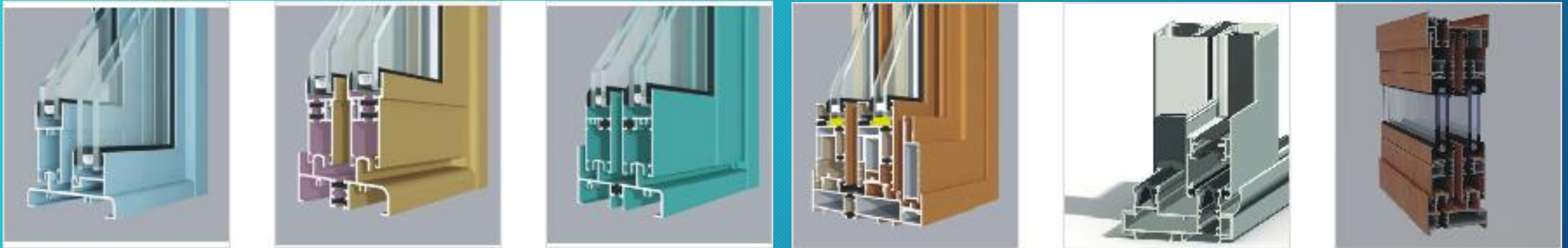
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推拉窗	MT-146	40mm	全钢化



产品名称	产品型号	型材规格	玻璃工艺
推拉窗	MT-147	40mm	全钢化

Aluminum Sliding Doors

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

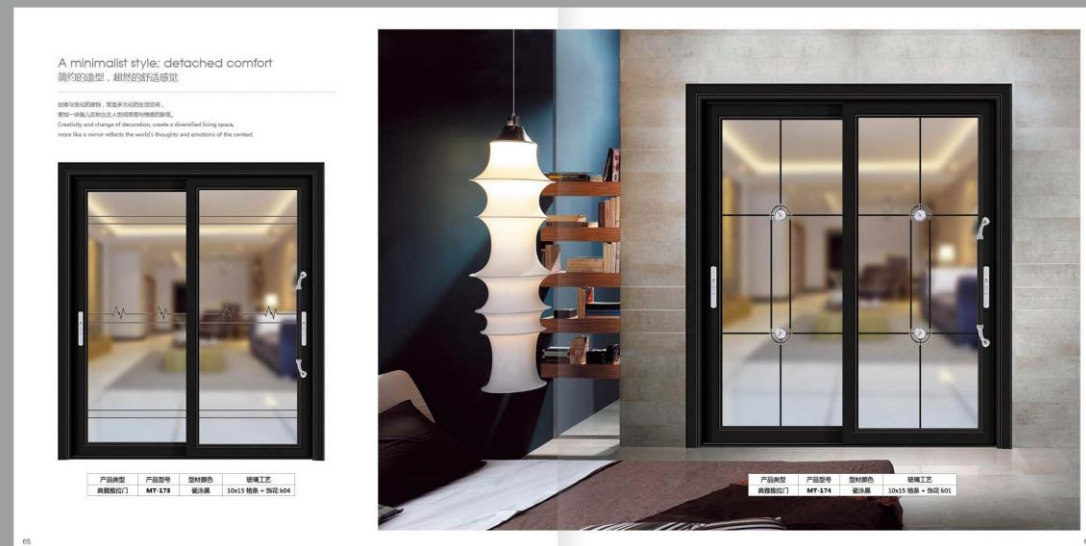
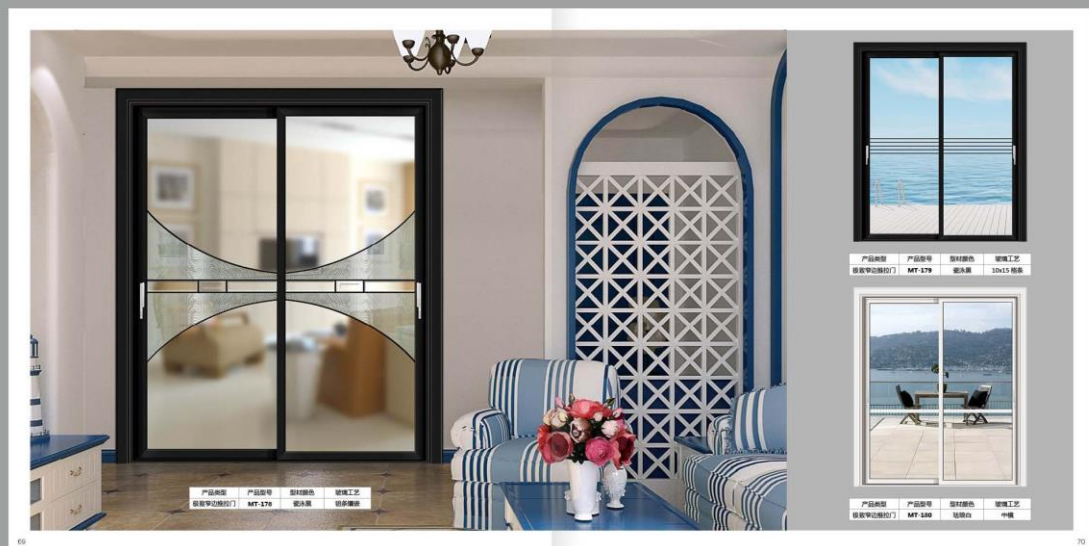


Sliding door appearance: Vigor and suppleness combination , luxurious choice
Frame width: 90mm, 120mm, 160mm, 180mm, the sealing parts of bottom rail and vehicle deflector are using equal pressure principle, which makes the whole door more closely stable, and the superimposed double cavity increases the door's strength and humanized design. The high-quality accessories make it slide more smoothly, elegant appearance, easy to open, personalized custom-made. Suitable for villas, hotels, clubs, office buildings, residential buildings and other senior buildings.



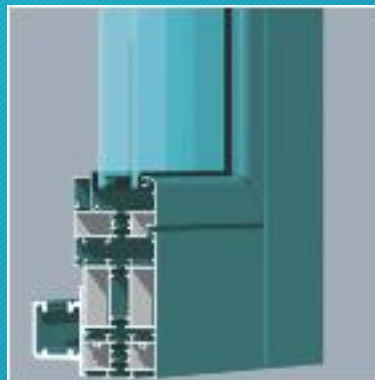
Aluminum Sliding Doors

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum Folding Door

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



For you to create elegant, comfortable, warm space, convenient ways for you to open!

Aluminum Folding Door

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum Folding Door

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum Sun Room/Winter Garden

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

Winter garden, also known as Glass house
Which is unconventional architecture built by glass and metal frame, in order to enjoy the sunshine and be close the nature. First, it makes the intimate touch between the rooms and sunshine come ture, to enjoy the warmth of the sunshine even in the cold winter. Secondly, you can achieve the GreenHouse function, due to the unique heat insulation effect, and create a warm environment for the family room even in the cold winter. Aluminum-wood composition glass house has a separate facade and roof structure, which can be integrated well with any architectural style building, with good acoustic insulation effect, to overcome the defects of traditional glass house of hot summer and cold winter, ice and fogging etc.



Aluminum Sun Room/Winter Garden

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

阳光房系列 Door & Window System SUNSHINE HOUSE SERIES

1. 功能特性

- ◆真正实现节能隔热、隔音、节能。宽大的玻璃接口设计，可见连接处中空低辐射 LOW-E 玻璃、中空内夹花及进口中空白叶等方案。
- ◆采用智能连接技术，可以连接和木一砖一瓦，实现个性化设计阳光房。
- ◆整套阳光房系统由工厂完成阳光房各个立面及屋面的组装装配，以保证产品精度及质量。现场搭建仅需固定墙体、地梁等位置的连接结构，即可完成屋面围合。屋面拼装的工作。整个过程快速方便，特别适用于阳光房现场快速搭建的要求。
- ◆可订制大型会所、别墅会所、婚礼教堂、游泳池棚等阳光房的结构设计。

2. 材质特性

- ◆常用铝结构为烤漆方钢，镀锌，工字钢。
- ◆铝结构部分常采用烤漆方钢焊接而成。
- ◆常用规格厚度有 2.5mm/3.0mm/3.5mm，可根据具体受力情况来选择！

3. 产品分类

- ◆夹胶钢化玻璃
- 安全性能：由于是暗层的胶膜坚韧耐冲击力强，受冲击破裂后不易被贯穿，碎片不会脱落，与胶膜紧紧地粘在一起，与其他玻璃相比，具有耐震、防盗、防弹、防暴的性能。

◆单层钢化玻璃

单层钢化玻璃破碎时，整块玻璃全部破碎成小颗粒，不易伤人。尽管如此，一旦破裂，此种玻璃并不能阻止玻璃被击碎的碎片落到地上。如果碎片不落在很远的地方落下，由于玻璃碎片很小且无毒性，玻璃的碎片对下方的人和财物的伤害将减少到最小。

◆中空钢化玻璃

中空玻璃由于在两片玻璃之间形成密封的厚度并限制了流动的空气或其他气体从而减少了玻璃的对流和传导传热，因此它具有了较好的隔热能力。

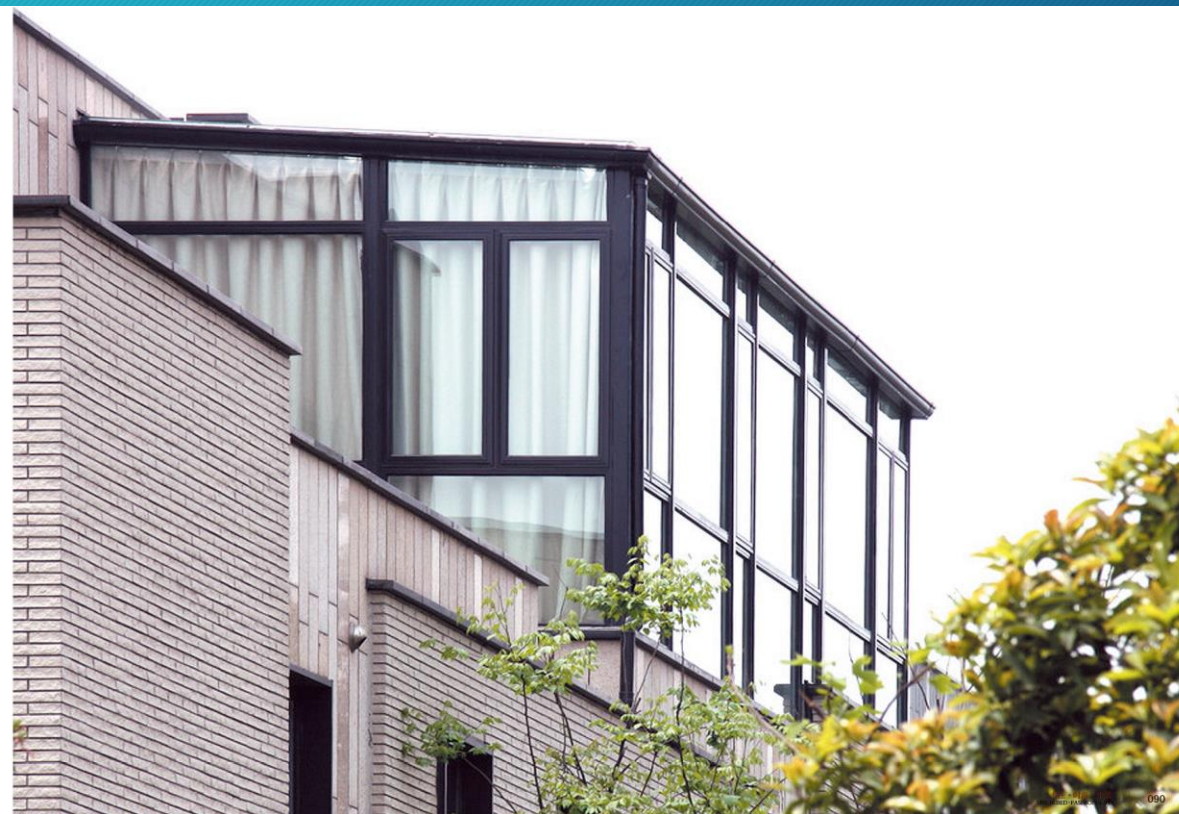
◆镀膜玻璃

反射太阳辐射中的红外线，节约能源。窗户一直是建筑外围护结构中隔热、保温的薄弱环节。在炎热的夏天，窗户需要安装镀膜。



Aluminum Sun Room/Winter Garden

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Aluminum casement doors of bathroom

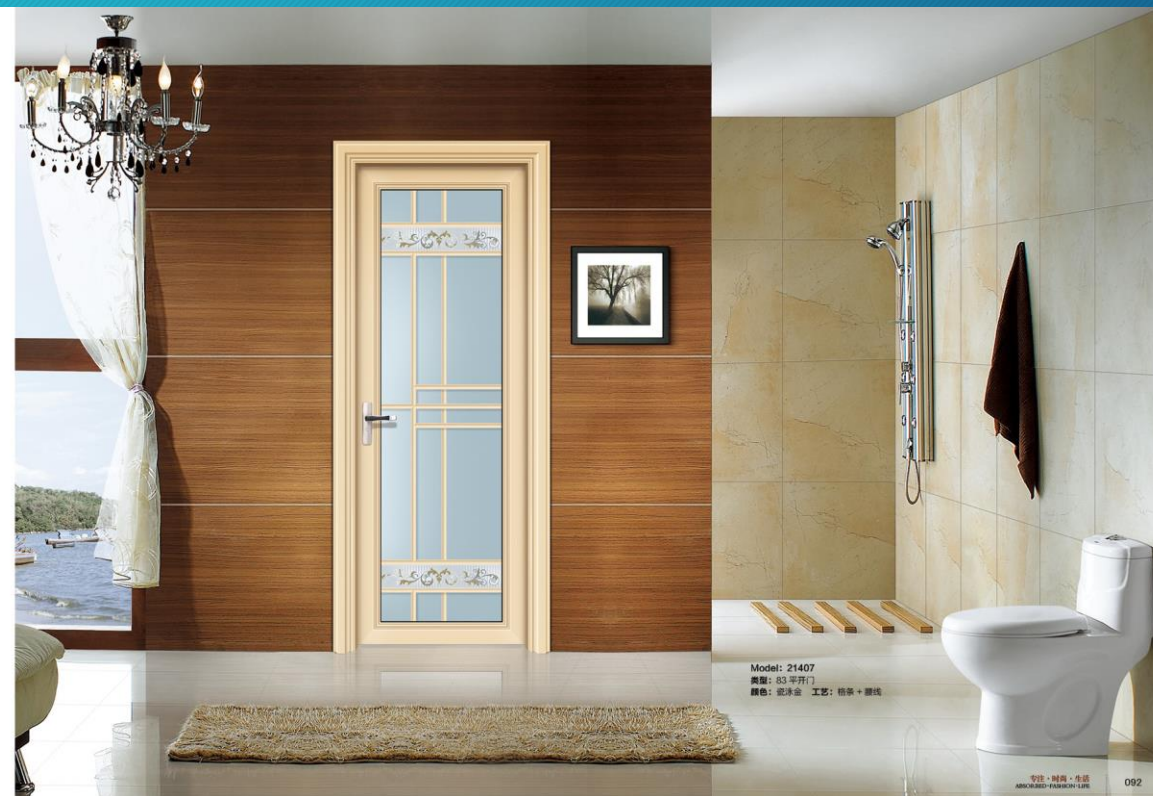
National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

MEIFAN DOORS & WINDOWS



091

航天材料，航天品质
AEROSPACE MATERIALS, AEROSPACE QUALITY



092

Aluminum casement doors of bathroom

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Model: 21202
类型: 88 平开门
颜色: 红檀香 工艺: 喷漆 + 喷花



Model: 24002
类型: 88 平开门
颜色: 银冰金 工艺: 磨线



Model: 21018
类型: 88 平开门
颜色: 红檀香 工艺: 喷漆

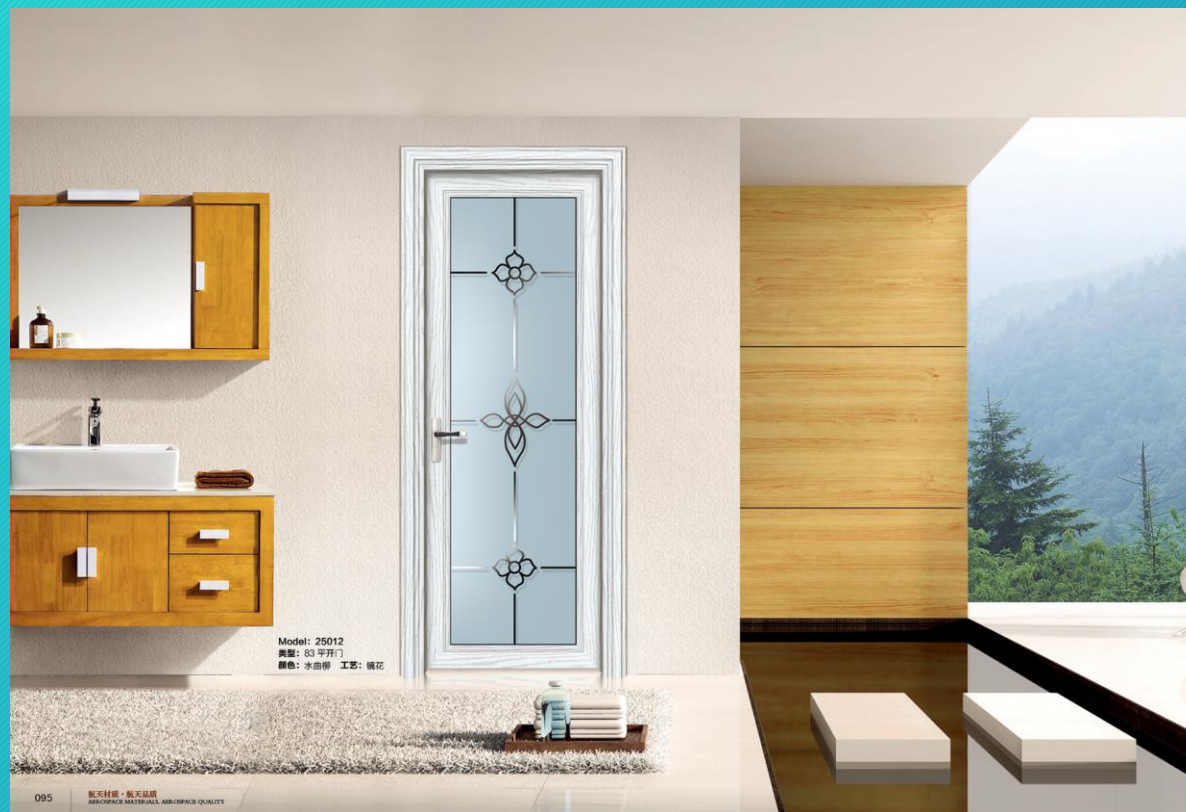


Model: 25018
类型: 88 平开门
颜色: 高级香槟 工艺: 喷花



Aluminum casement doors of bathroom

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Type of glass

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



中空玻璃 中空玻璃由二片或多片浮法玻璃组合而成，玻璃片之间夹有充漆了干燥剂的铝合金格条，格条与玻璃之间用了基胶粘接密封后再用聚硫胶或结构胶密封，空气的热传导非常低。干燥的空气被密封在两层玻璃之间，能有效地直接阻断热量传导的流失，从而达到节能、防结露、隔音、防紫外线等效果。

Hollow Glass Hollow glass from two or more pieces float glass, glass sandwiched between article has added desiccant filling aluminium alloy case, raffle and glass with butyl adhesive seal, after reoccupy polysulfide rubber or sealing rubber seal structure, the air of heat conduction is very low, dry air sealed between two layers of glass, and can effectively block the loss of heat conduction, so as to achieve energy-saving and condensation prevention, sound insulation, such as uv protection effect.



钢化玻璃 钢化玻璃的安全性：破碎时，其碎片很小，碎片断面与表面基本垂直，没有锋利的尖角，不会对人造成伤害。
耐热稳定性：将钢化玻璃加热到 150℃ ~200℃，放入到 25℃ 左右的水中玻璃不破碎。
抗冲击力：钢化玻璃的抗冲击力大约为普通玻璃的 8 倍。

Toughened Glass Toughened glass security: broken, its fragments are small, debris basic vertical section and surface, no sharp corners, will not cause damage to people.
Thermal stability: tempered glass is heated to 150 °C to 200 °C, into to 25 °C or so of water glass is not broken.
Resistance to impact, the impact resistance of toughened glass is about 8 times that of the common glass.



Low-E 玻璃

Low-E 玻璃是一种对 2.5~2.5 μm 波长范围远红外辐射具有较高反射能力的镀膜玻璃，简称 Low-E 玻璃，分无色和有色两大类。前者用在中高纬度地区，其可见光透射比大于 70%，主要功能是阻挡室内热量向外散失，从而维持室内温度，节省采暖费用；后者是在低纬度地区使用，在防止室内热量向外辐射的同时，具有一定的遮阳作用，亦称 Sun-E 玻璃。

Low-E Glass

Low-e glass is a kind of of 2.5 to 2.5 μm microns far-infrared radiation in the wavelength range with high reflection ability of coated glass, hereinafter referred to as low-e glass, colorless and colored two big series. In the former is used in high latitudes, the visible light transmittance is greater than 70%, the main function is to block the indoor heat leakage to the outside, so as to maintain the indoor temperature, save on heating costs. Which is used in low latitudes, to prevent the indoor heat radiated outward at the same time, have a certain shade effect, also called Sun - E glass.



夹胶安全玻璃

夹胶安全玻璃又称防弹防盗玻璃，由于玻璃之间有一层 PVB 中间膜，使其既具有玻璃的硬度、韧性、透光的优点，又具有中间胶膜层附着性强，抗冲击，抗穿透和变形的优点。因此能挡住暴徒的刀砍、斧锤和枪击，能阻挡弹头穿透；夹胶安全玻璃中间的胶膜具有对声波的阻尼功能，消除共振并吸收声波的隔音性，起到减弱噪音的作用；此外该玻璃还有防紫外线辐射特性，胶膜层具有对 3600A 紫外光的吸收特性，减弱了阳光中的紫外线穿透，防紫外线辐射，防止眩光。

Laminated Safety Glass

Laminated safety glass, also known as bullet-proof security glass, because the glass is a middle PVB film layer, make it has the hardness, rigidity of glass and advantages of the previous to light, but also has middle layer film adhesion strong, resistant to impact, the advantages of resistance to penetration and deformation. So can block out of the mob, ax hammer and shooting, can stop the warhead penetration; Laminated safety glass in the middle of the film with the acoustic resistance of function, eliminate resonance and absorb sound waves of sound insulation sex, weaken the noise effect. In addition, the glass, and uv radiation characteristics, the film layer of 3600 a ultraviolet absorption characteristics, reduces the ultraviolet ray in sunshine penetrate, uv radiation, prevent glare.



Installation Method

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

豪宅門窗定制專家 Villa Doors And Windows Custom Specialist

INSTALLATION METHOD

安裝方法

安裝工作的進行需要具備下面幾個基本條件：

1. 門窗洞口已形成且尺寸滿足所定製產品尺寸規格要求；
2. 門窗安裝位置（水平、垂直、進深、發稱定位“三線”）已確定；預埋件（如洞口需要預埋的水泥磚、木磚等）的數量、位置及埋設強度符合設計要求；影響門窗安裝及現場搬運的設施（如伸入洞口的腳手架）清除幹淨；
3. 施工作業現場的環境溫度必須高於 10 攝氏度，以保證密封的密封性能；
4. 安裝方法為無縫框安裝和護框安裝。

1. The size of the Windows and doors hole has formed and satisfies the requirement of the customizer product size specifications;
2. Doors and Windows installation position (horizontal, vertical, and depth, commonly known as positioning "three line") have been identified; Embedded parts (such as the mouth of the cave need embedded concrete block, brick wood, etc.), the number of location and embedding intensity is comply with the design requirements; Influence of doors and Windows installation and on-site handling facilities (such as scaffolding) into the result of the cave was removed;
3. The scene of the construction work environment temperature must be above 10 degrees Celsius, to ensure the sealing performance of seal;
4. Installation methods to protect casing and frame installation.

護框安裝方法：

1. 護框預裝：按照圖紙挑選相應的護框木料，并將其拼裝成框。
2. 護框就位：按照圖紙將相應的護框置入口口。
3. 護框定位：根據水平線、洞口中線及進深線（或外牆外綫）將護框定位。
4. 護框固定：將護框上的固定件與地體連接，使護框與地體固定。
5. 間隙填充：在護框與地體間隙內注入聚脲酯發泡劑。

1. Protect box: in accordance with the drawings to pick the corresponding box of wood, and assemble them into a box;
2. Protect the box in place: according to the drawing the corresponding protective box into the mouth of the cave;
3. To protect the frame orientation: according to horizontal line, the hole centerline and deep lines (or Qiangfui cake) will protect the frame orientation;
4. Protective box is fixed: will protect box fixed parts connected to the wall, make the protection frame and the wall fixed;
5. Gap filling: inside the box and wall clearance injected polyurethane foaming agent;



Aluminum Curtain Wall

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



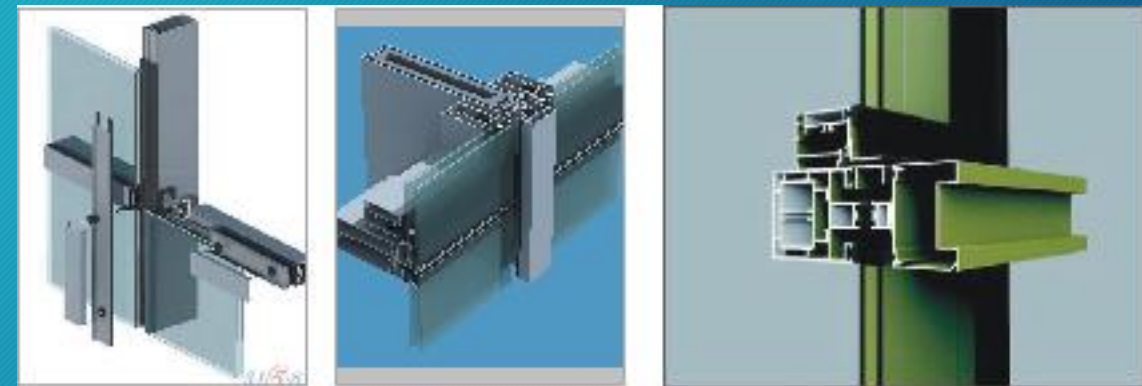
Exposed frame glass curtain wall & Semi-hidden Frame Glass curtain wall

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Exposed frame glass curtain wall

The glass of the exposed frame glass curtain wall is embedded in the aluminum frames, which make it as the curtain wall components with the four sides of the aluminum frame, and the curtain wall components are mounted on the beam, which form a facade of exposed beams and columns and obvious ruled aluminum frame. Exposed frame glass curtain wall is the most traditional and the most widely used form, which has the reliable performance. Compared with the hidden frame glass curtain wall, it is easier to meet the construction technology requirements.



Semi-hidden frame glass curtain wall is divided into hidden in horizontal not in vertical and hidden in vertical not in horizontal. The other way for the semi-hidden curtain walls is one plate added at the horizontal or the vertical edge of the whole hidden frame glass curtain wall, forming horizontal or vertical way of semi-hidden frame curtain wall. This plate is not only the decorative horizontal or vertical lines, but makes the glass fixed twice, so the security has been enhanced, in the meantime, it could also change the pressure plate' shape and color, to increase the pattern color.

MS structure fixed-point glass curtain wall system

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises

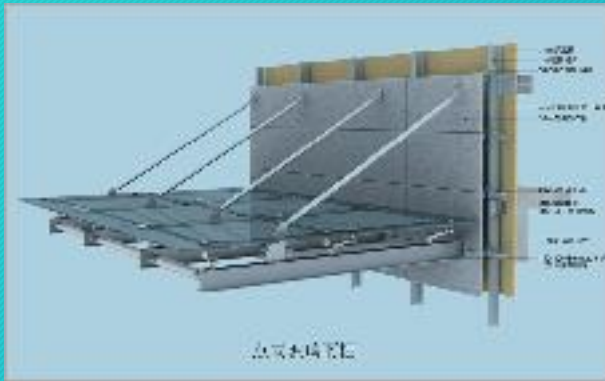


Frame-hidden curtain wall is kind of glass bonded to the aluminum frame with a silicone sealant (referred to as structural adhesive), without metal connectors in most cases. Therefore, the whole aluminum frame is hidden behind the glass, forming a large-area, full glass mirror effect. In some projects, the hidden frame with metal connectors are used in the glass curtain vertical walls.



Point-supported Glass Curtain Wall

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



The full name is called point glass curtain wall in metal support structure

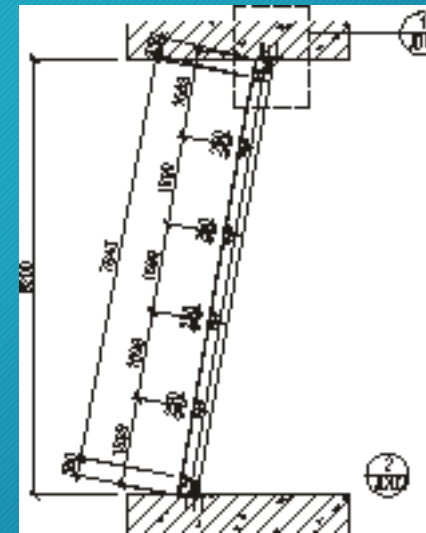
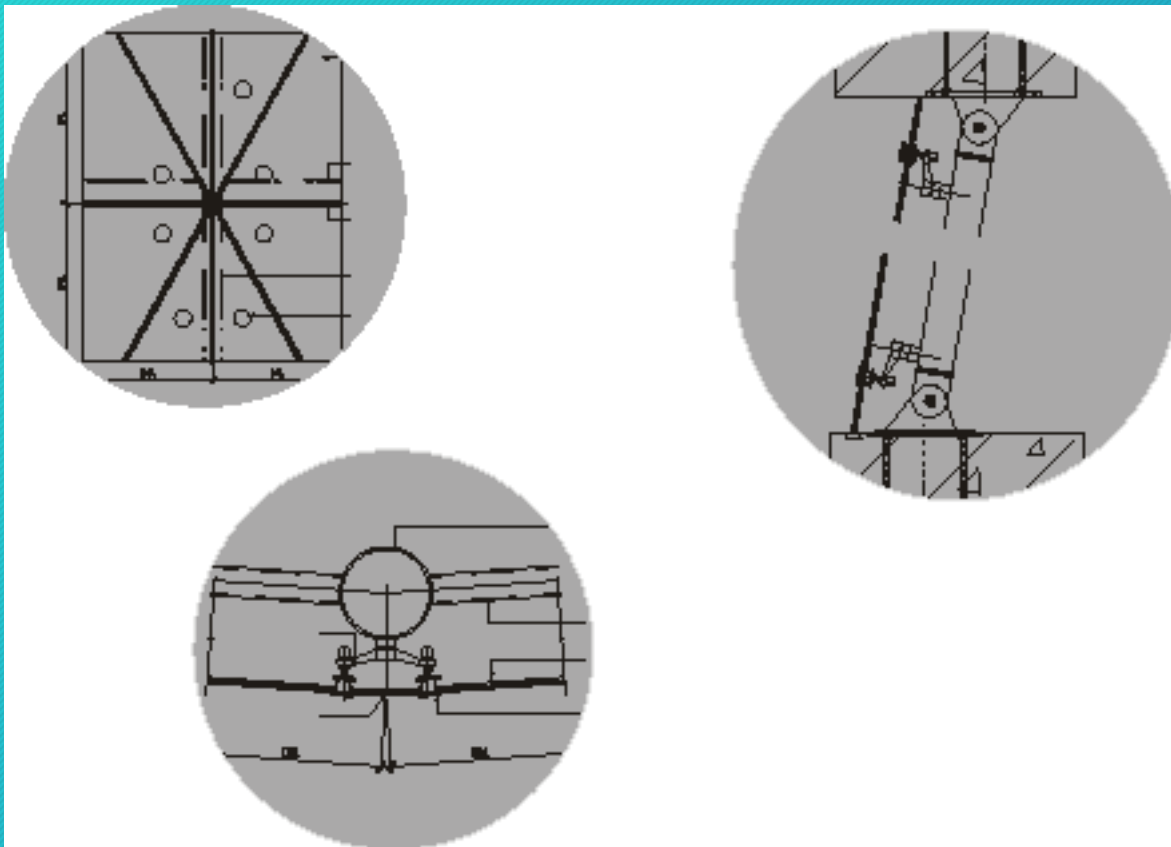
Structure form: a kind of all-new architecture space structural system using the combination of the modern construction techniques and glass technology designed by the computer, and the skeleton of the curtain wall consists of seamless steel pipe, stainless steel rod (or more dragline added) and stainless steel claw pieces.

Glass fixed form: the glass of point glass curtain wall is fixed as stainless steel claw pieces go through the pre-drilled holes on the glass , to be reliably fixed.

Components processing: the primary metallic components of the point glass curtain wall are required precision processing by the vehicle drilling, punching machine, and quantity production by the factory, and high precision and good quality of installation.

MS structure fixed-point glass curtain wall system

National Secondary Two Building Curtain Wall Engineering Design And Construction Enterprises



Material Description:

Most of the products are made of high-end stainless steel, the typical material is Austenitic stainless steel 316, CF8M and duplex stainless steel 2205,CD3MN.

Project



Point-fixed glass curtain wall fittings, exposed as a bare outside products, are mainly made of the material stainless steel with bright appearance and good corrosion resistance. A supplier high-end glass curtain wall fittings.

Project



Project features:

The project mainly consists of 1 # 2 # 3 # 4 # four buildings. The main systems of the tower facade are frame glass curtain wall system and slotted aluminum curtain wall system, the glass walls use horizontal visible & vertical invisible form , horizontal lines use a large aluminum visor; And the system for the podium facade is frame glass curtain wall ,which is in the form of vertical & horizontal implicit;

The panels of curtain wall consists of aluminum and glass, the designers arranged a patchwork of changes in the actual situation cleverly, make facade novel, unique, so that the strong sense of science and technology of the building facade makes a good image of HI-TECH side of Vtron technology.

The total area of the curtain wall is about 80,000 square meters, including about 50,000 square meters of glass curtain wall, about 30,000 square meters of aluminum curtain wall, and about 24,000 meters of aluminum visors.

Project

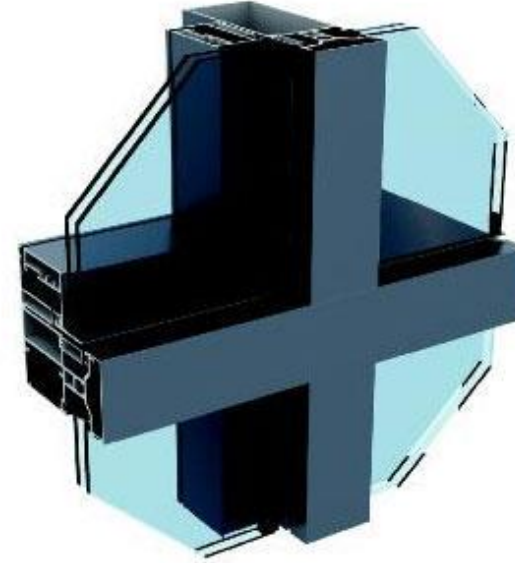
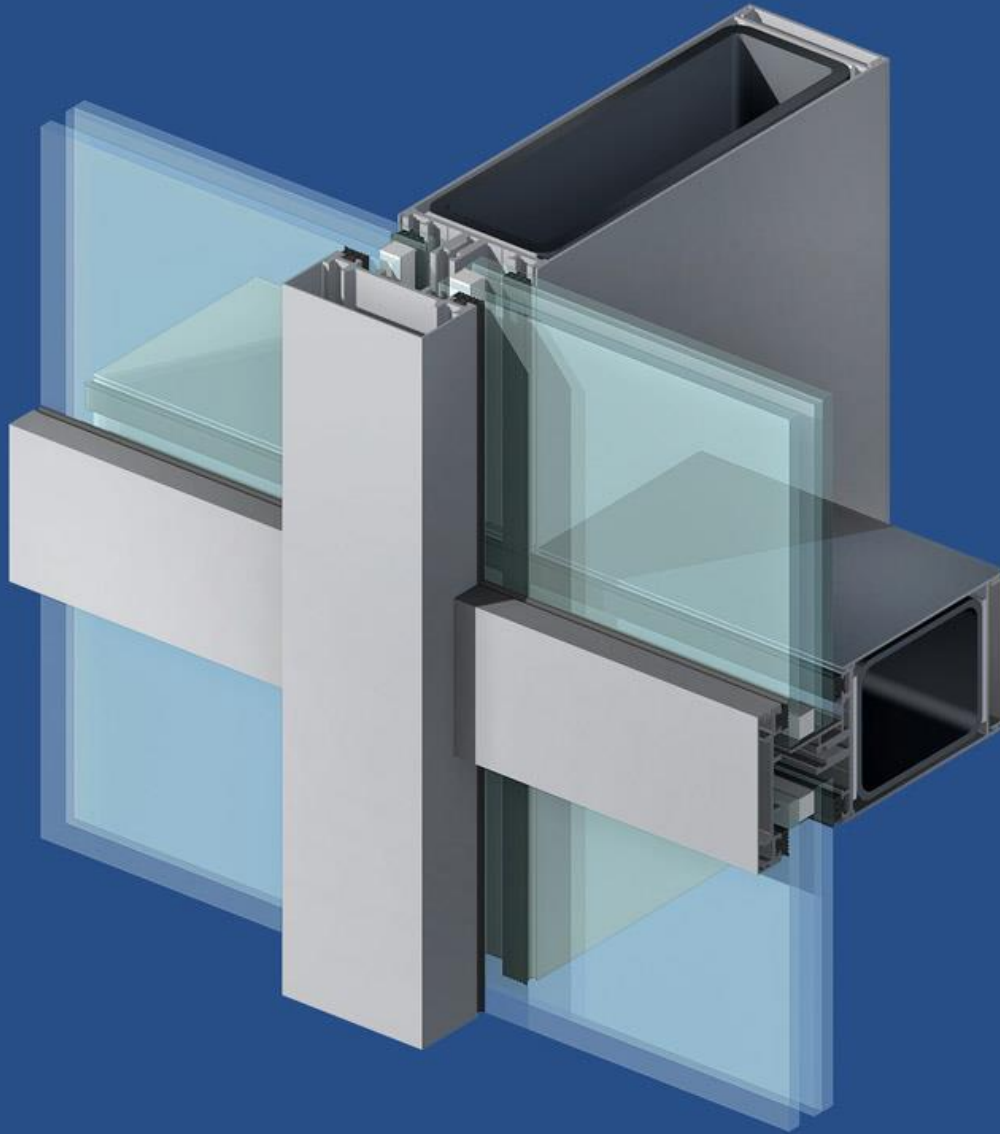
广东省水电集团公司水电广场幕墙工程



Project Features :

- 1, The frame-supported glass curtain wall uses the vertical visible & horizontal invisible aluminum structure system, and the 140 series aluminum column (aluminum specifically designed for this project).
- 2, The hidden frame glass curtain wall uses 150 series all hidden frame structure. The panels use 6 low-e light grey (dark grey) + 12A + 6 hollow transparent tempered glass, the outer part (the large area glass) is the light grey glass, concave part (the small area glass) is the dark grey glass, and the four corners are designed as arc shaped glass.
- 3, The roof steel structure glass curtain wall is designed as 300 x300x14 welding steel structure, the glass pillar extends up the tower outside, and the panels is light grey coating tempered glass.
- 4, The light steel rain canopy is designed as variable cross-section h-beam welding structure, connected by the type 8 + 1.52 + 8 double tempered laminated glass, and 4 x121 ϕ 4 stainless steel rod installed

Project



Project

PROJECT 工程实例 »

新河铝材以卓越的品质，风格各异的外形，
展现了建筑多姿多彩的魅力。
新河铝材无处不在，铝创精彩。

With excellent quality and good finishing, Xinhe
display the charm of architecture.
Xinhe Aluminium, create miracles.



昆山金融街 Kunshan Financial Street

项目名称：昆山金融街建筑幕墙工程
工程内容：MQD单元式幕墙
工程面积：40000㎡



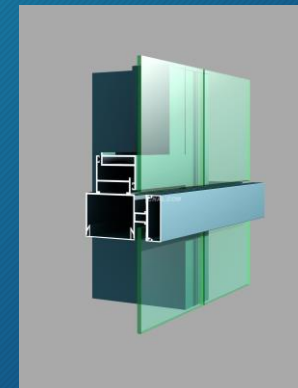
Project



Grand Soho Makati Salcedo Village, Makati



Azure Urban Residences & Beach Club



Project



Malaysia Sabah Waterfront Hotel

Project



Gramercy Makati, Philippines

Project

PROJECT 工程实例 >> 铝创精彩

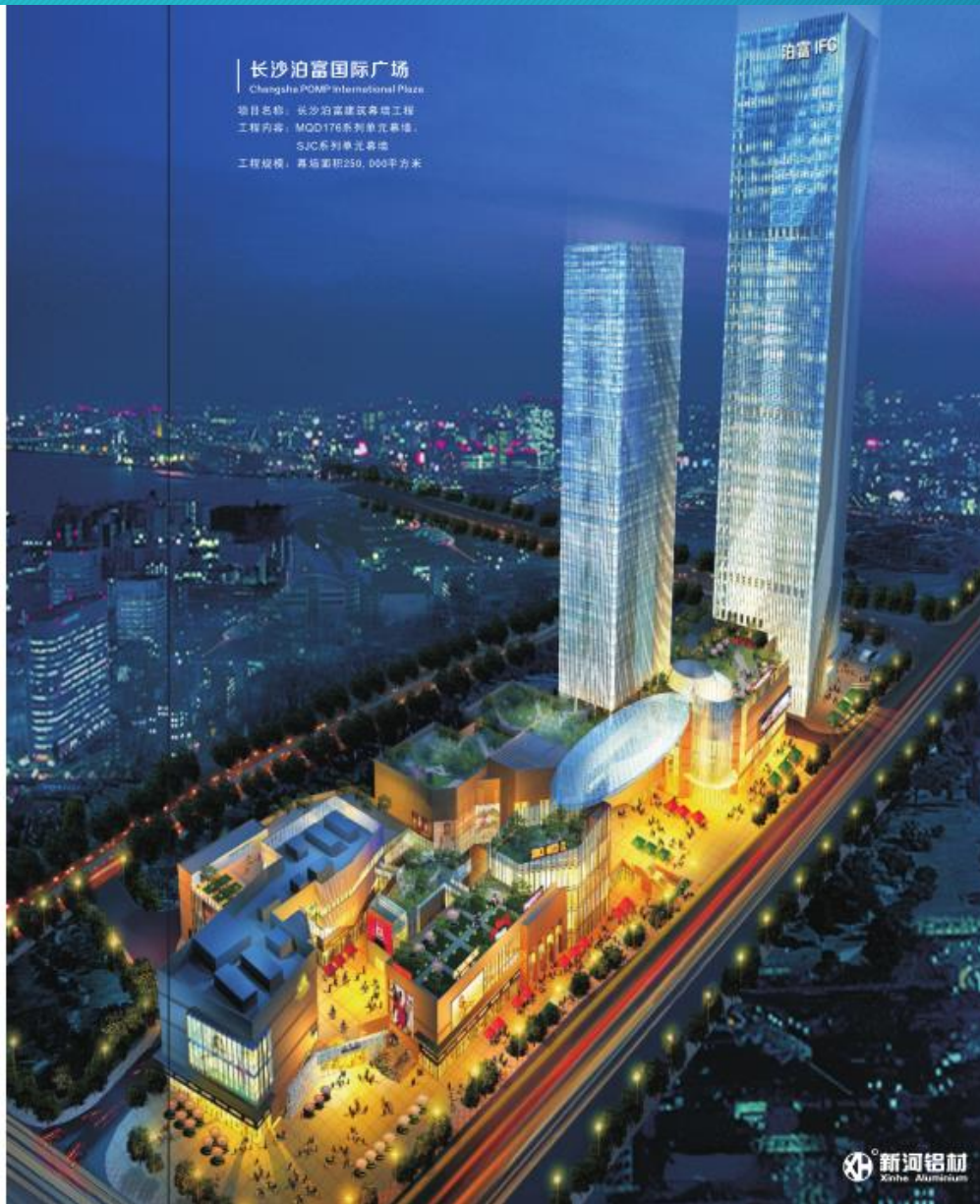
无锡新区商务中心 Wuxi New District Business Center

项目名称：无锡新区商务中心幕墙工程
工程内容：铝合金玻璃幕墙、干挂石材幕墙
工程规模：幕墙面积60,000平方米



长沙泊富国际广场 Changsha POFU International Plaza

项目名称：长沙泊富国际广场幕墙工程
工程内容：MOD176系列单元幕墙、
SJC系列单元幕墙
工程规模：幕墙面积250,000平方米



Project

PROJECT
工程实例 >> 铝包钢



Project

PROJECT 工程实例 >> 经典案例



北京百度总部
Beijing Baidu Headquarters



香格里拉拉萨度假酒店
shangri-la Lhasa Resort Hotel



河北石家庄沧州人防大厦
Civil Air Defense Building of Shijiazhuang, Hebei



扬州星座国际商务中心
Yangzhou Constellation International Business Center



昆明国福·现代城
Kunming Guofu The Modern City

项目名称：昆明国福现代城门窗幕墙工程
工程内容：铝合金玻璃幕墙、铝合金门窗
工程规格：新河CXQ2100、XH50、XH788系列
铝门窗型材2000吨

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PROJECT 工程实例 >> 设计精彩



天津佳安大酒店
Tianjin Jia-An Hotel



三六一度(厦门)工贸有限公司办公楼
Three Six One Degrees (Xiamen) Industry and Trade Limited Company Office Building