

3D ALUMINUM CLADDING PANEL



Foshan Nanhai Top Metal Building Material Co., Ltd
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<https://tuopubuilding.com>



Two Decades of Aluminum Excellence

Foshan Nanhai Top Metal Building Material Co., Ltd was established in 2003, specializing in aluminum cladding and ceiling systems. We integrate research and development, production, sales, and technical services under one roof.

Our product range includes aluminum ceilings, honeycomb panels, solid panels, perforated panels, and laser-cut panels — widely used across airports, high-speed rail stations, hospitals, schools, hotels, offices, and commercial complexes.

20 YEARS **VERIFIED SUPPLIER**

Foshan Nanhai Top Metal Building Material Co., Ltd.

Construction Engineering Supplier



- ✓ Chinese high-end project manufacturer
- ✓ More Than 20 Years of Manufacturing Experience
- ✓ Unlimited design choices
- ✓ 15000 square meters factory ares
- ✓ Served in over 100+ Countries

20+

Years in Business

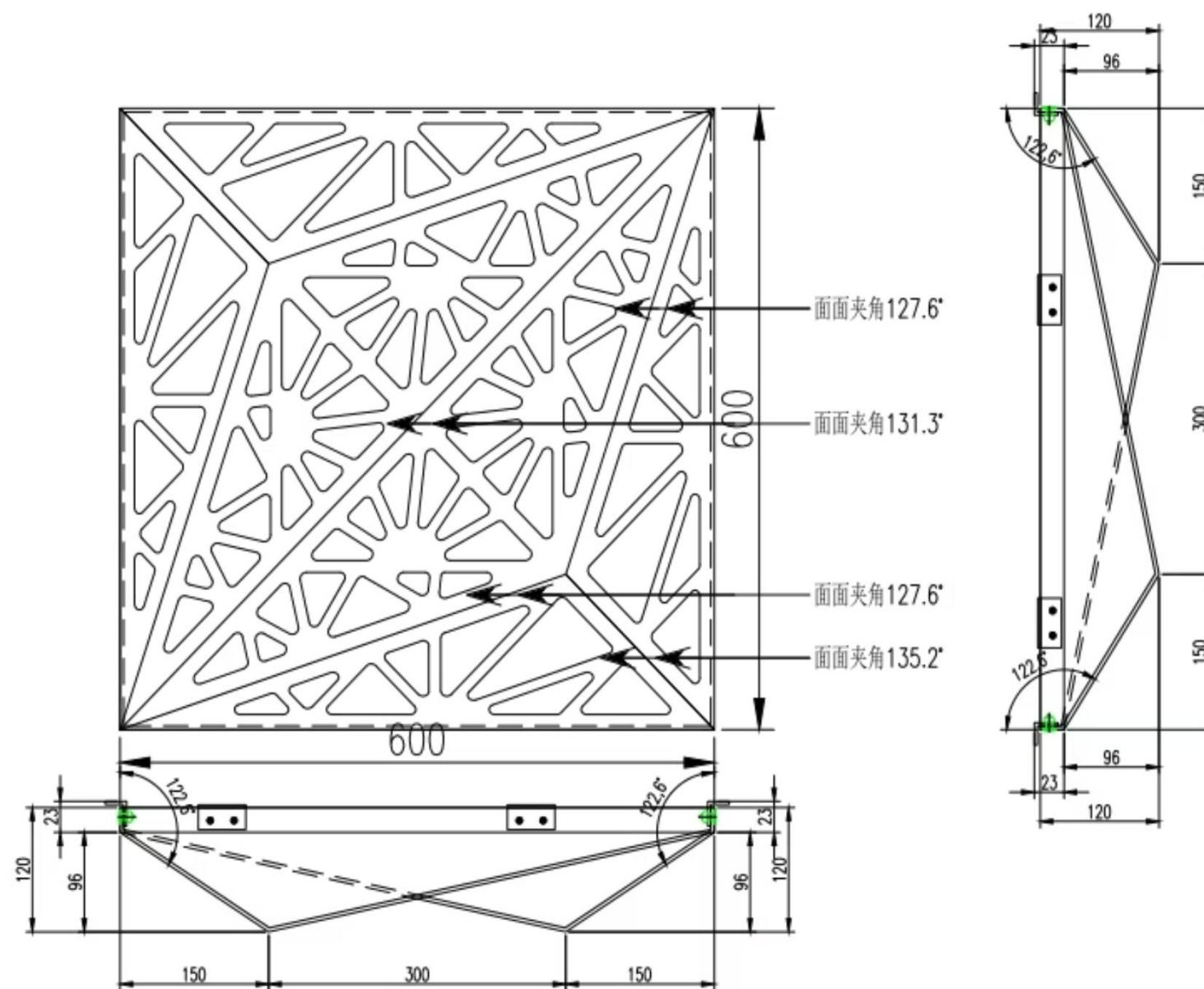
10K+

Projects Completed

Global

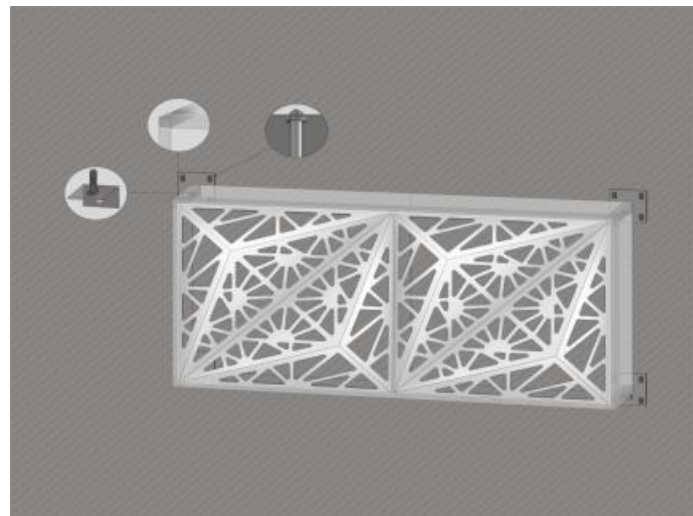
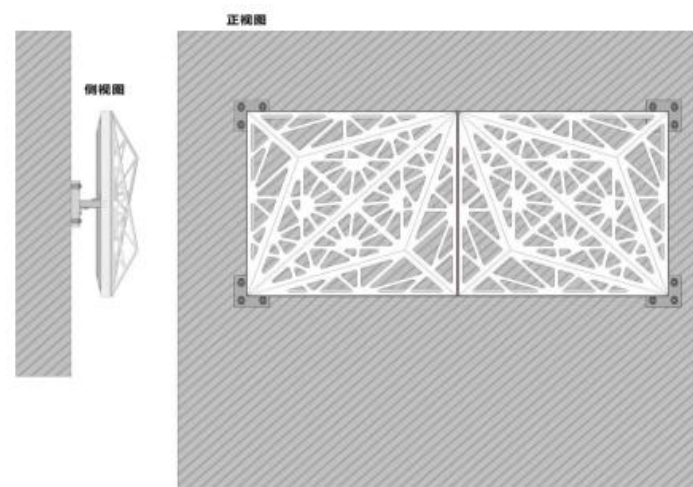
Market Reach

PRODUCT SPECIFICATIONS

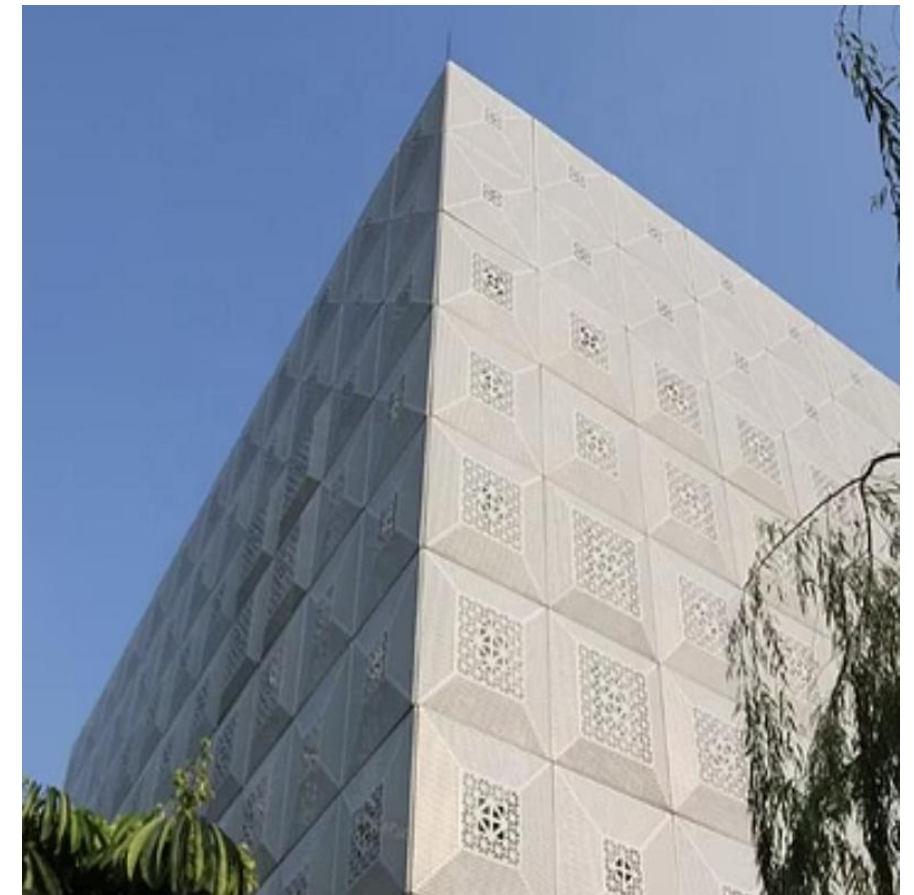
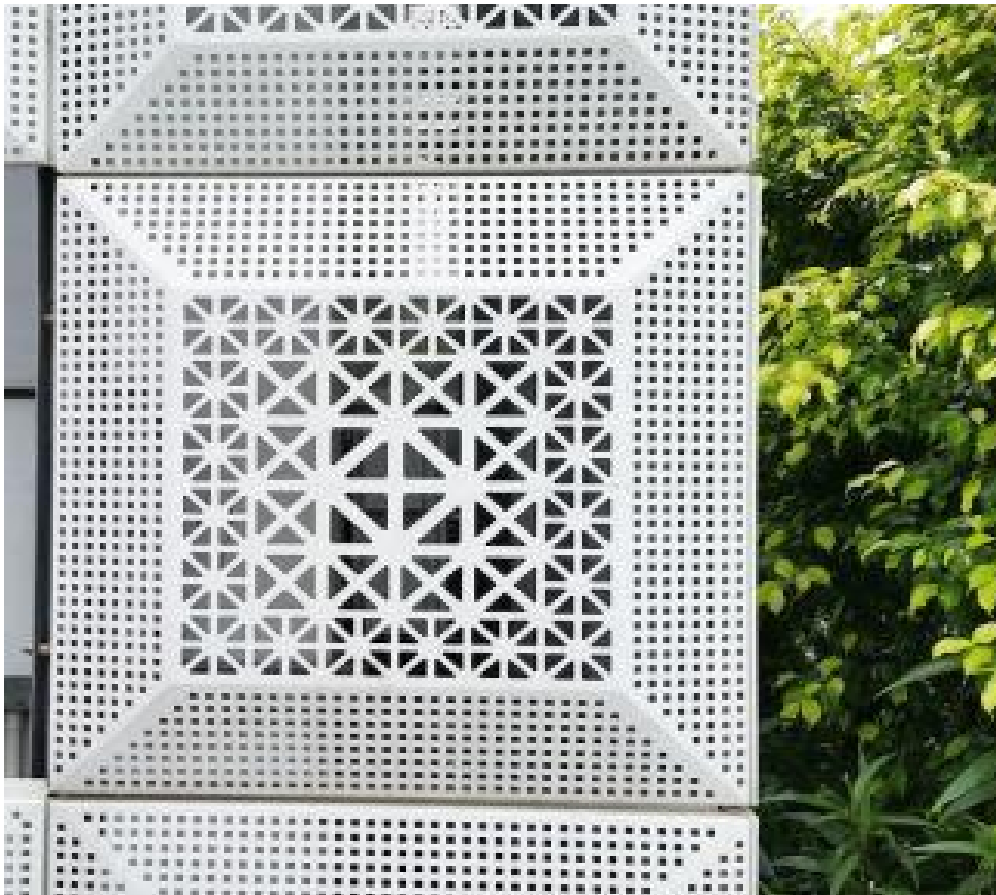


Product	3D Aluminum Cladding Panel
Material	AA 1100 / 3003 Aluminum Alloy
Size	600×600mm / 1200×1200mm / Custom
Thickness	2.0 / 2.5 / 3.0mm
Surface	Powder Coating / PVDF Powder Coating / PVDF Paint
Customization	Fully Available
Application	Exterior Wall Decoration

Explore our diverse range of 3D panel profiles, each engineered for striking visual depth and dimensional texture on exterior facades.

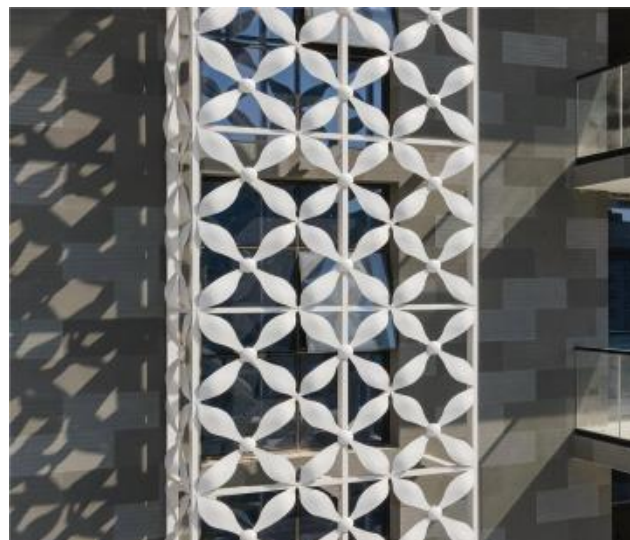
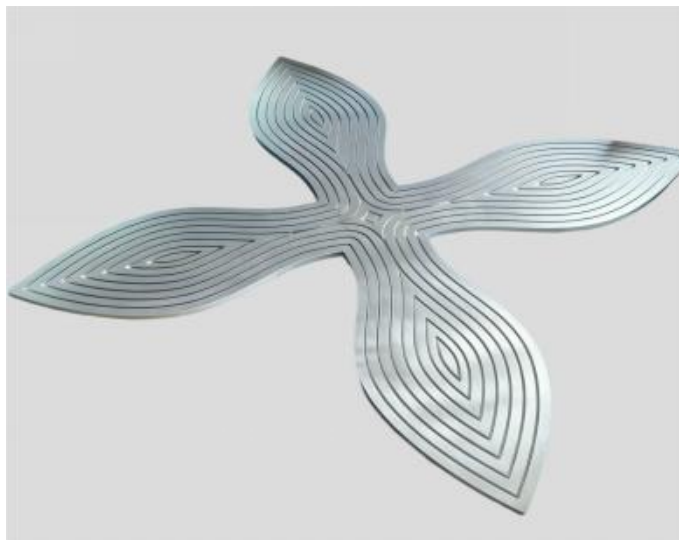


Sculpted aluminum profiles that play with light and shadow, creating dynamic facades that evolve throughout the day.

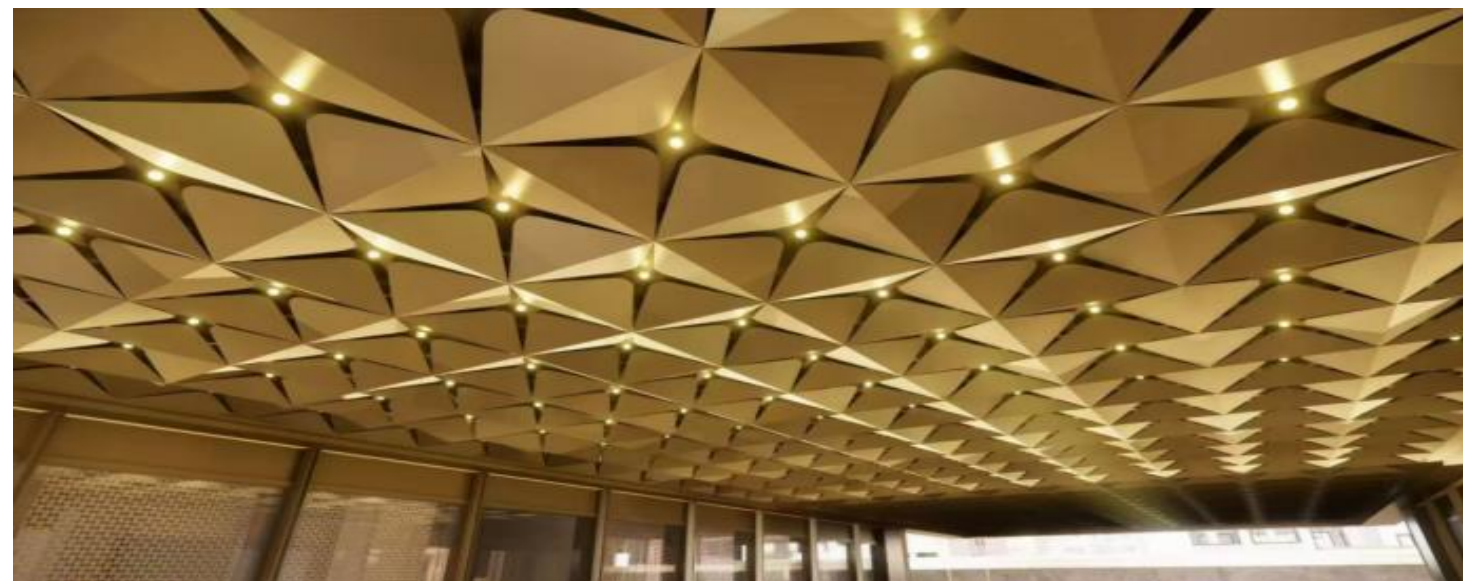
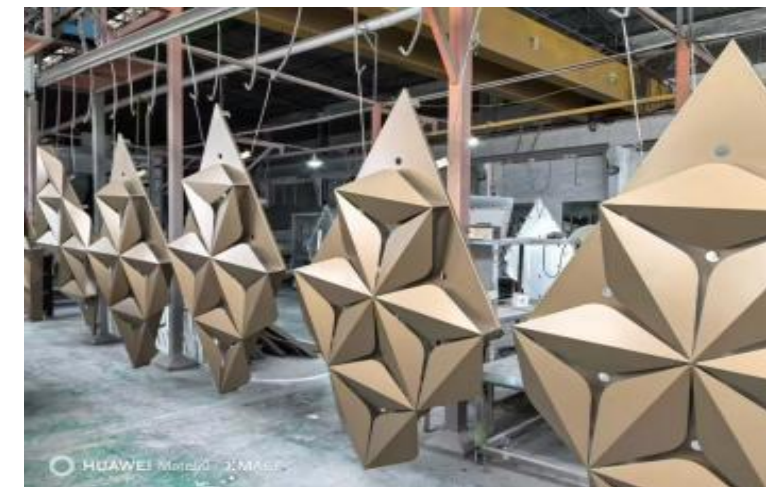
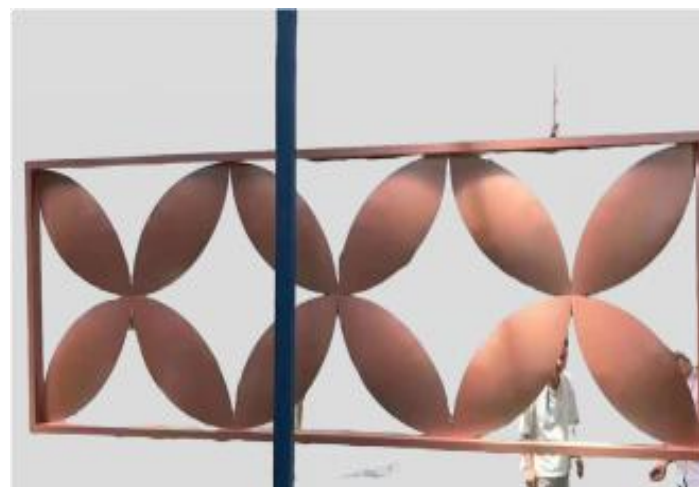
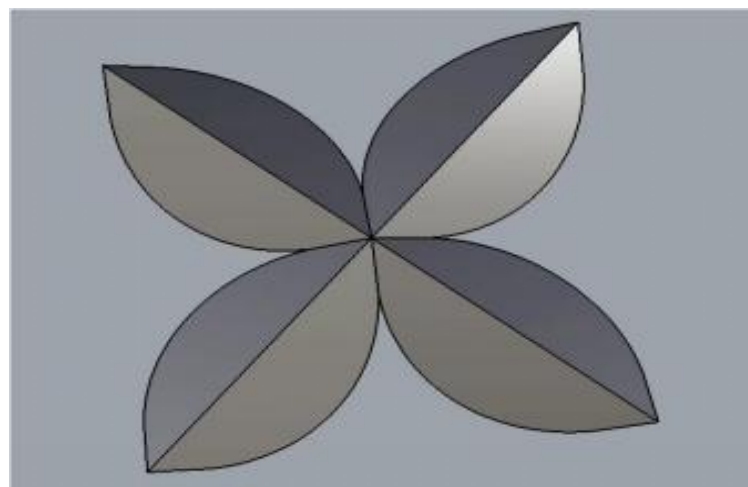


Top-2

Bold geometric patterns and organic curves — each panel is CNC-machined to exact specifications for seamless installation.



From wave-form undulations to angular facets, these panels add depth and character to any commercial or public building envelope.



Versatile panel geometries suitable for hospitality, retail, and institutional facades — available in any RAL color with custom PVDF finishes.



Top-5

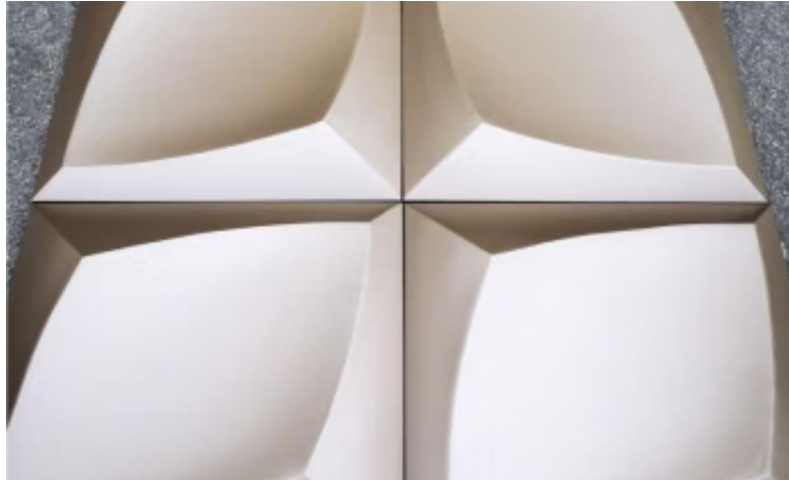


Top-6



Top-7

Precision-formed panels with intricate relief patterns — ideal for creating dramatic entrance features and accent walls on commercial properties.

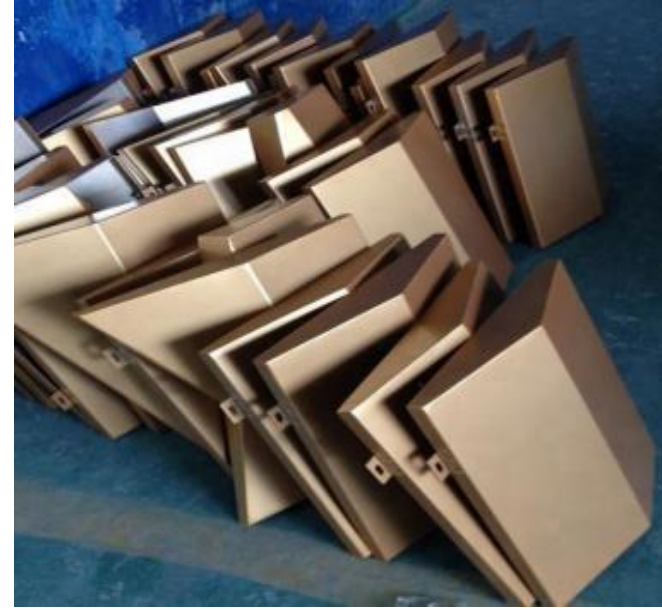




Top-9



Top-10



Top-11



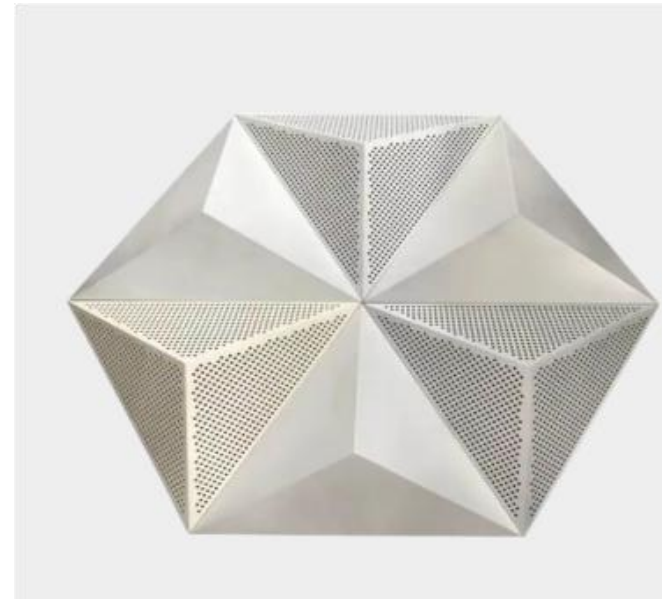
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Top-13



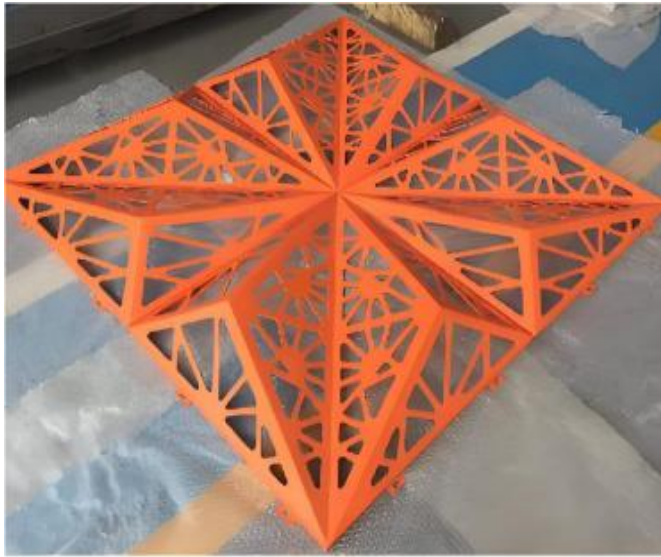
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Top-15



Top-16



Top-17



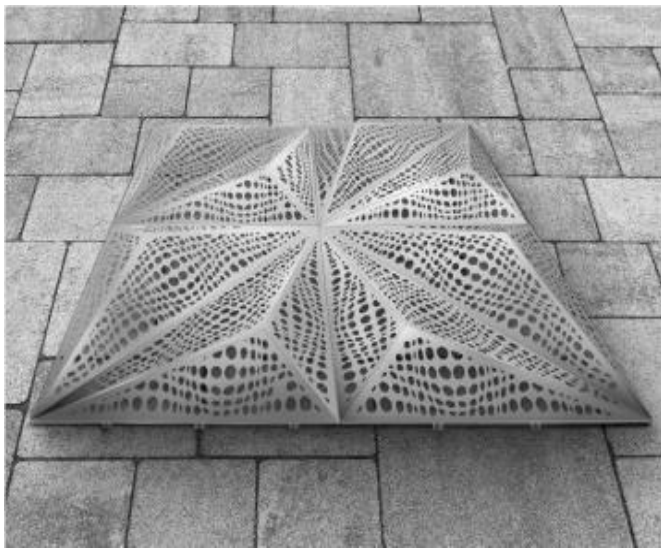
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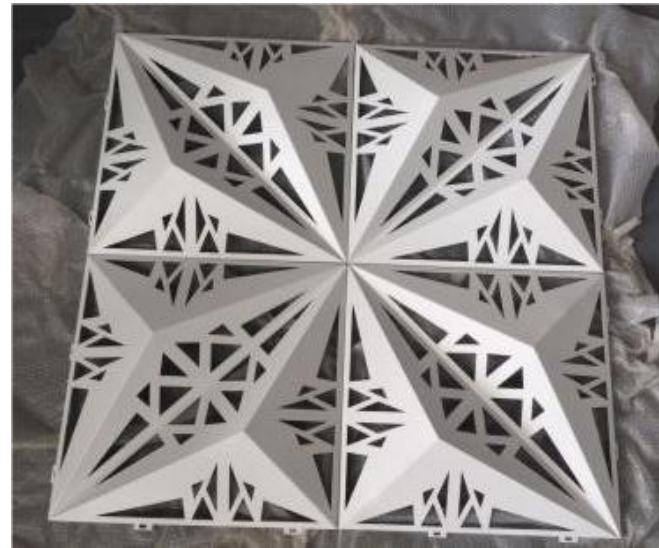
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Top-20



Top-21



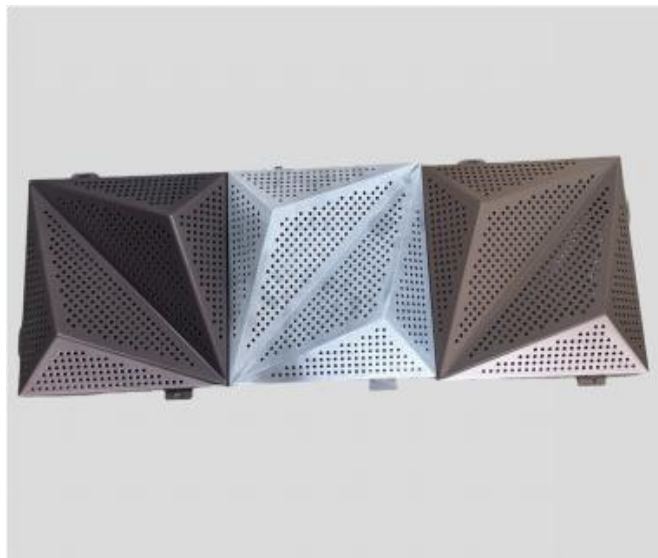
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Top-23



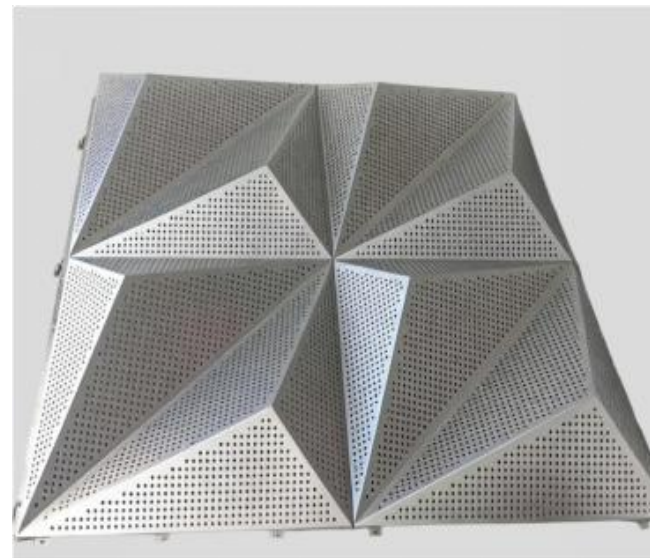
Top-24



Top-25



Top-26



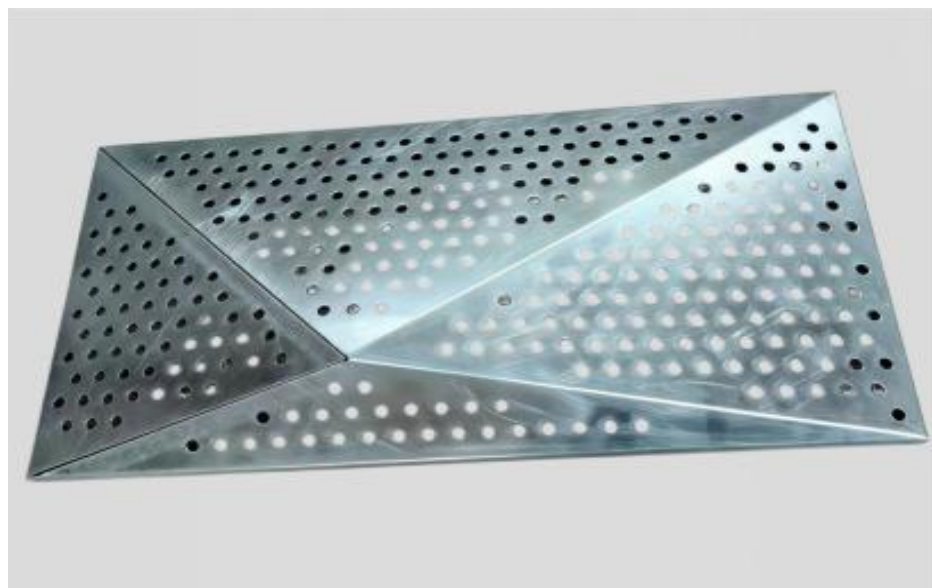
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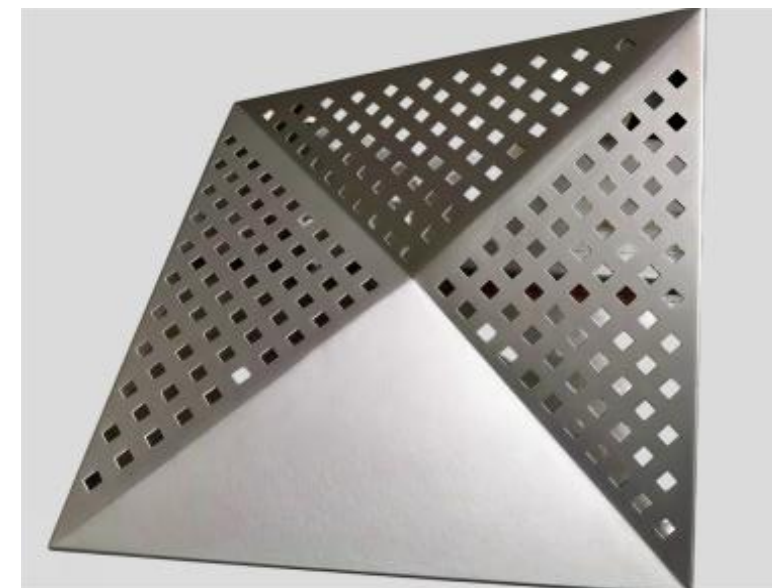
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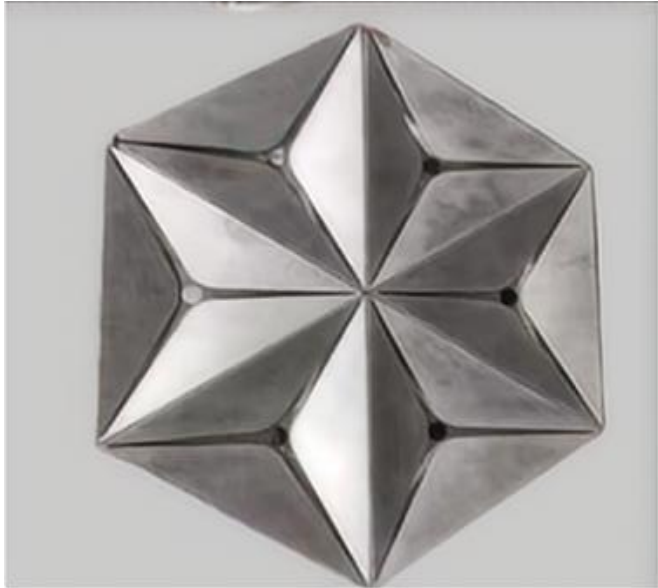
Top-29



Top-30



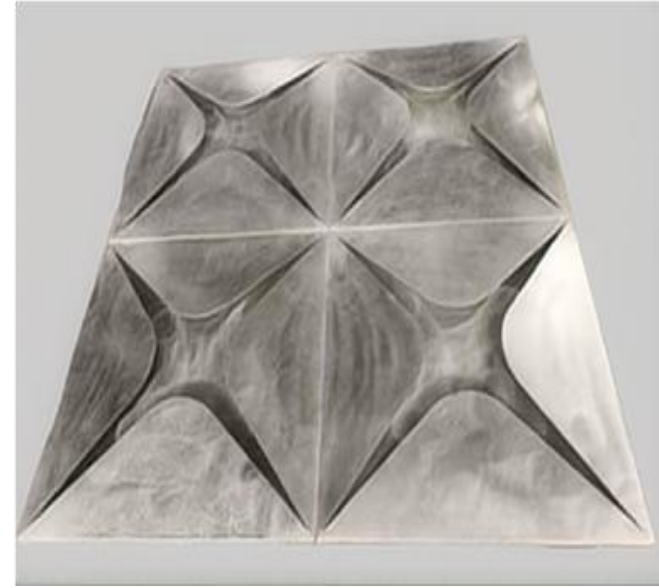
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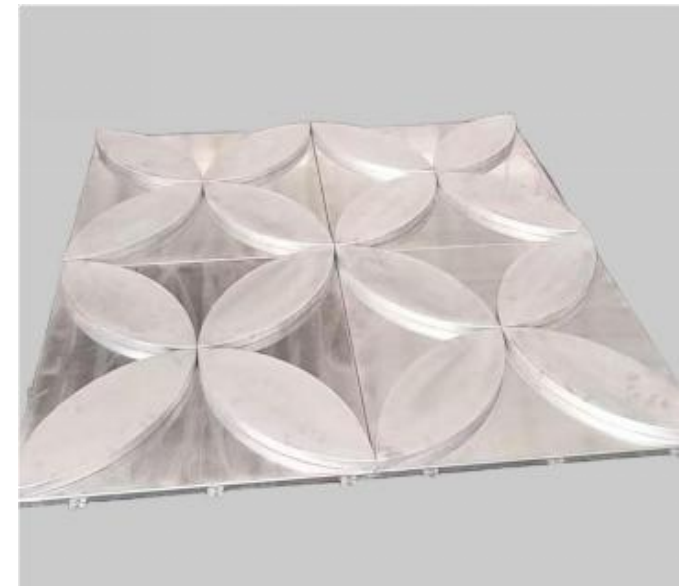
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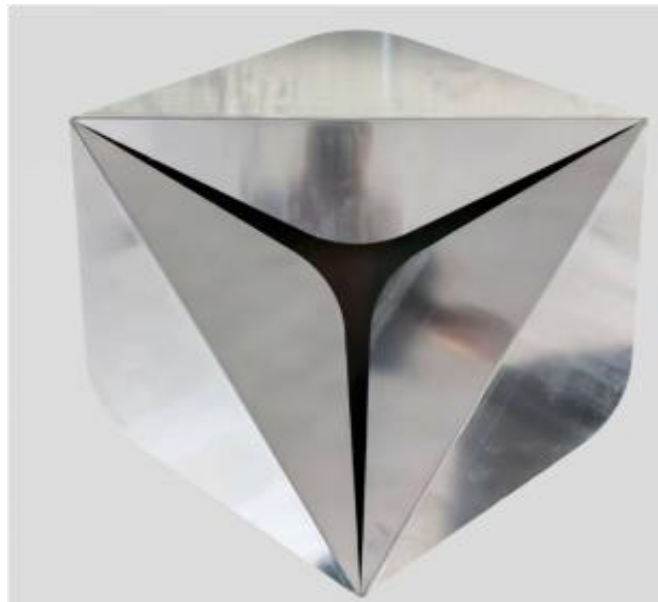
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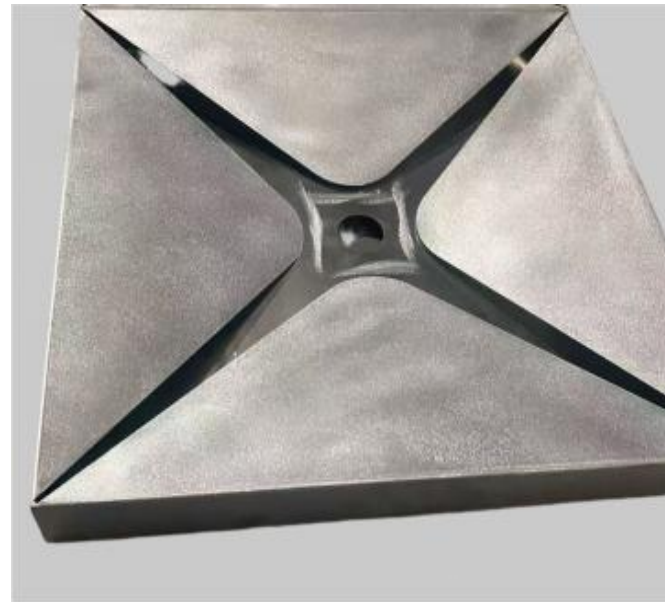
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Top-35



Top-36



Top-37



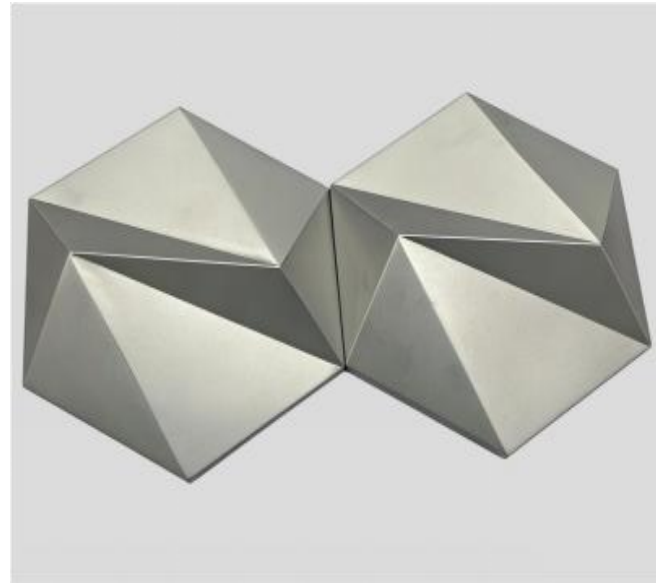
Top-38



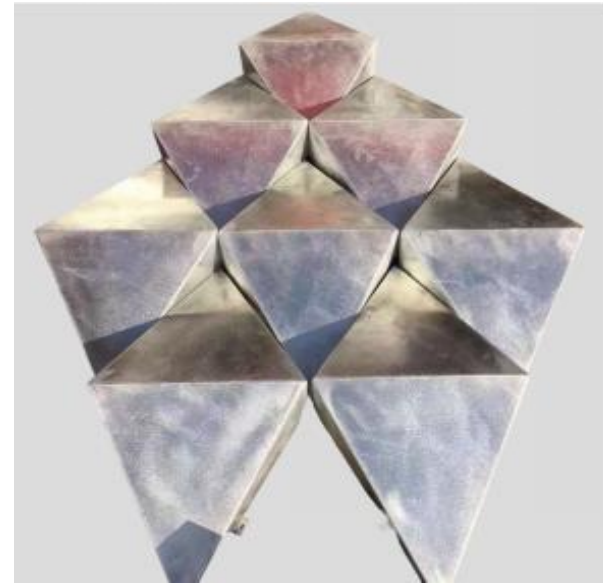
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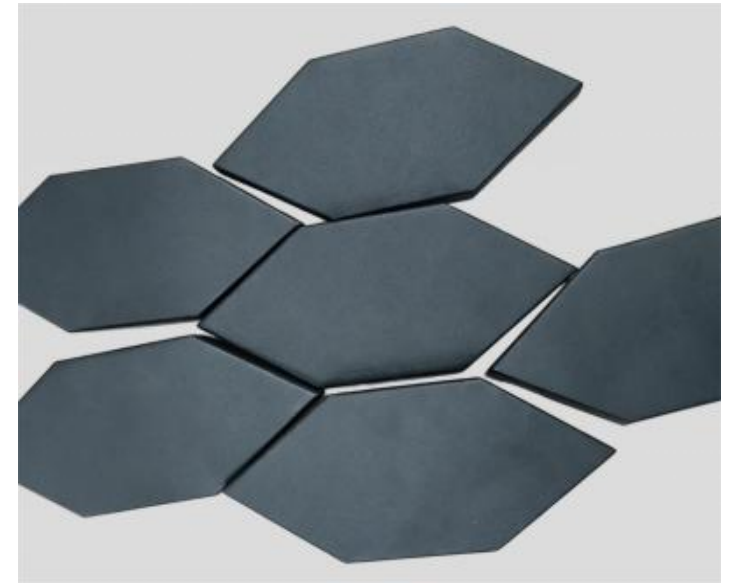
Top-40



Top-41



Top-42



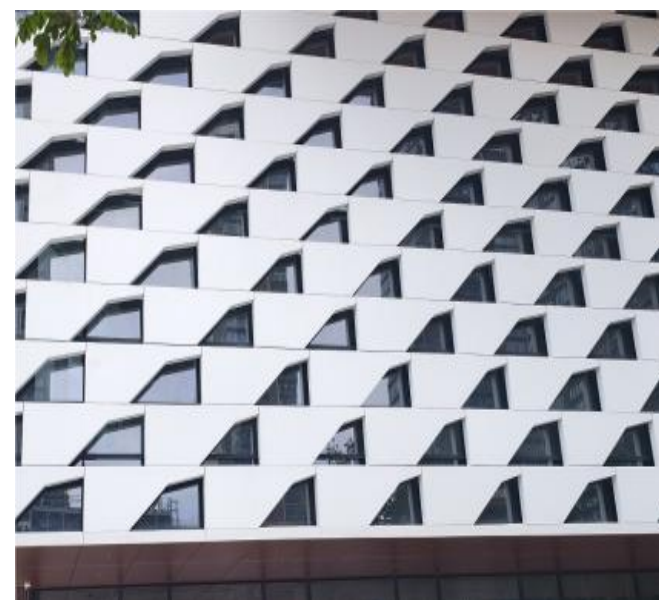
Top-43



Top-44



Top-45



Top-46



Top-47

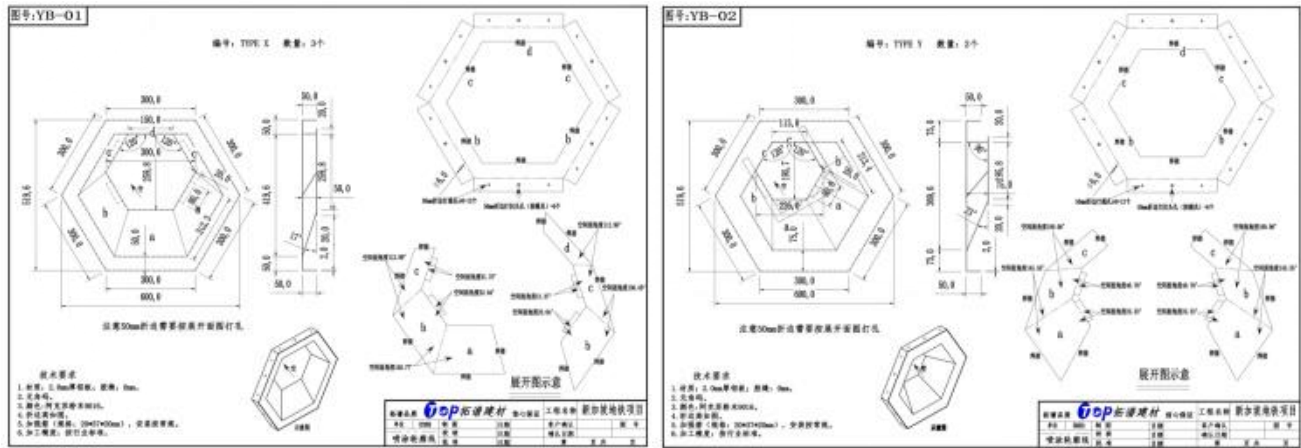
Aluminum Starry Skies Decorative Wall Panel

A stunning specialty product that transforms walls into celestial displays. The front layer features a laser-cut aluminum decorative panel, while the back uses an aluminum honeycomb panel for structural integrity — complemented by integrated LED light strips that create a mesmerizing starry sky effect.



Hexagonal Curtain Wall Engineering Case

CAD /3D Panel Design:



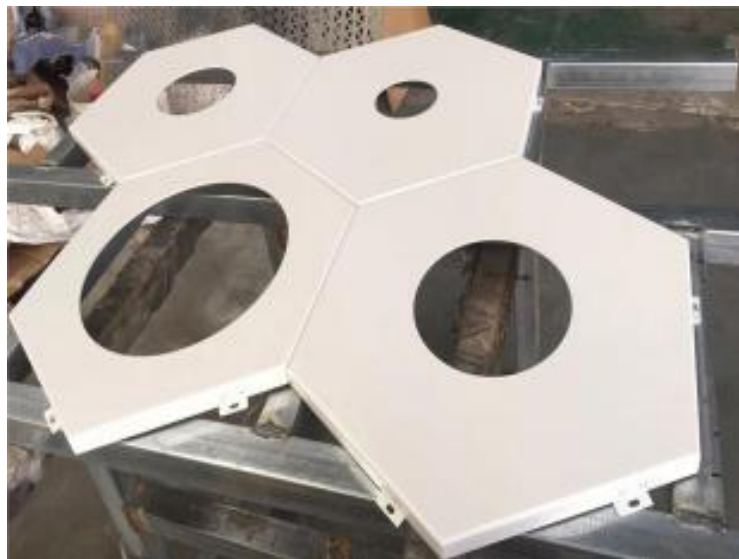
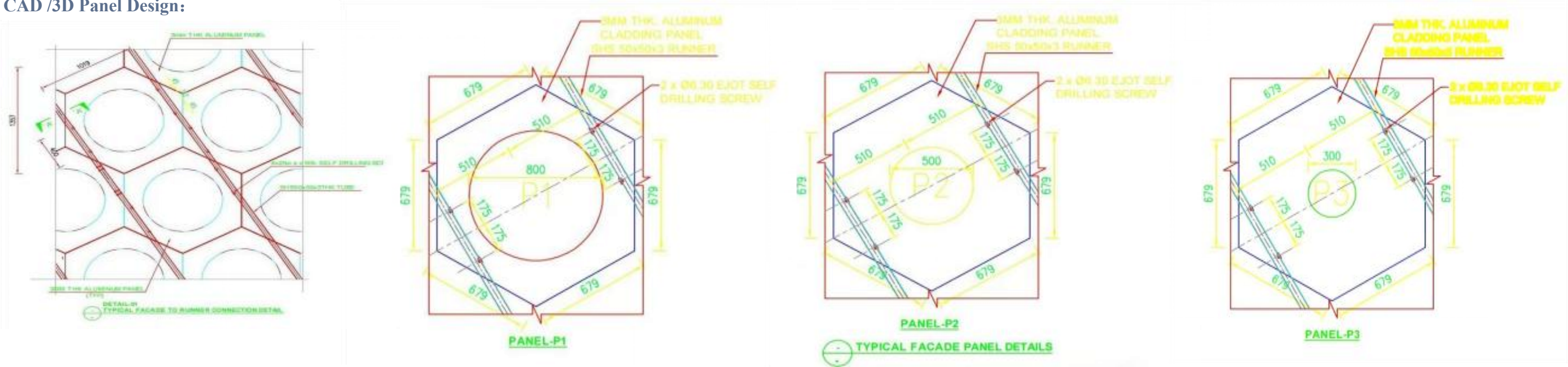
Specification:

Product type	ALUMINUM 3D HEXAGON PERFORATED PANELS
Thickness	1/1.2/1.5/2/3/4/5/6mm
Picture side length	600mm*600mm*600mm*600mm*600mm*600mm
Color	Metal,Matt,Glossy Color,Nano,Brushed,Granite,Wooden etc
Surface treatment	PVDF, PE, Anodized, Mill Finished, Embossed, etc
More Services	OEM,/ODM,Small samples free



Hexagonal Curtain Wall Engineering Case

CAD /3D Panel Design:

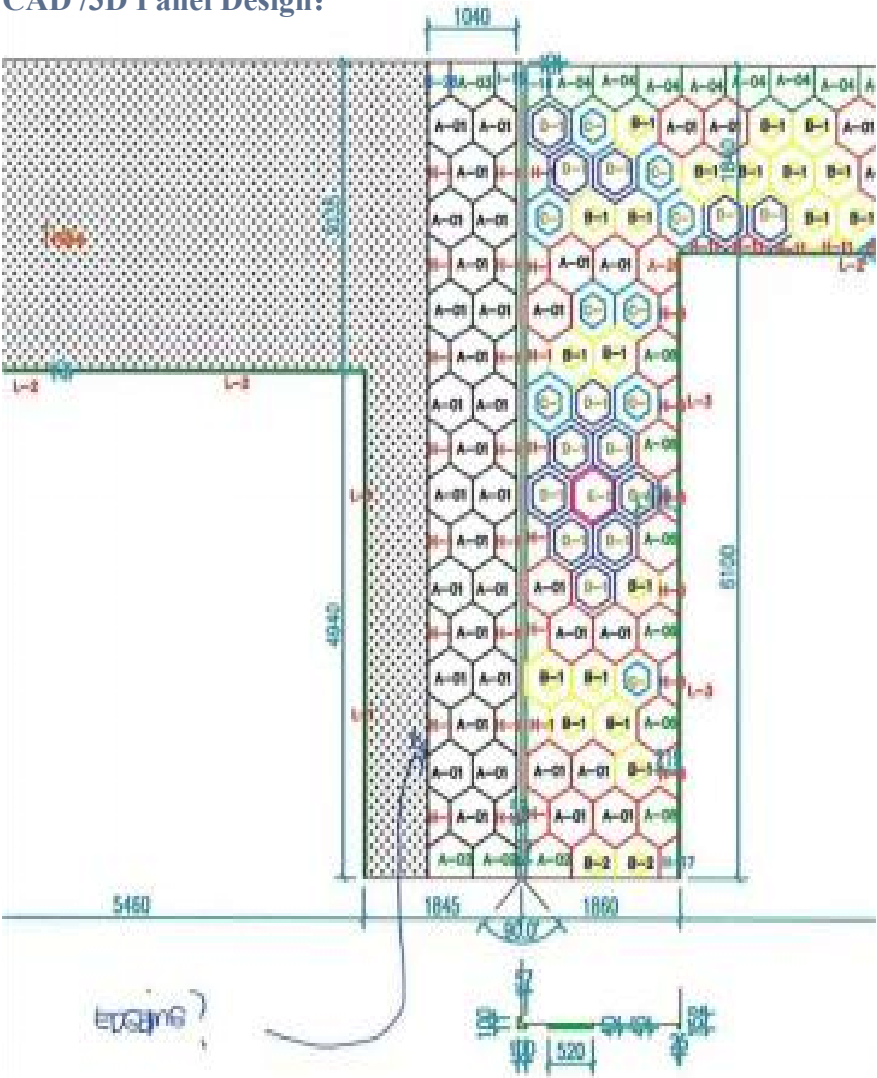


Hexagonal Curtain Wall Engineering Case

Specification:

Product type	ALUMINUM 3D HEXAGON PERFORATED PANELS
Thickness	1/1.2/1.5/2/3/4/5/6mm
Picture side length	600mm*600mm*600mm*600mm*600mm*600mm
Color	Metal,Matt,Glossy Color,Nano,Brushed,Granite,Wooden etc
Surface treatment	PVDF, PE, Anodized, Mill Finished, Embossed, etc
More Services	OEM,/ODM,Small samples free

CAD /3D Panel Design:

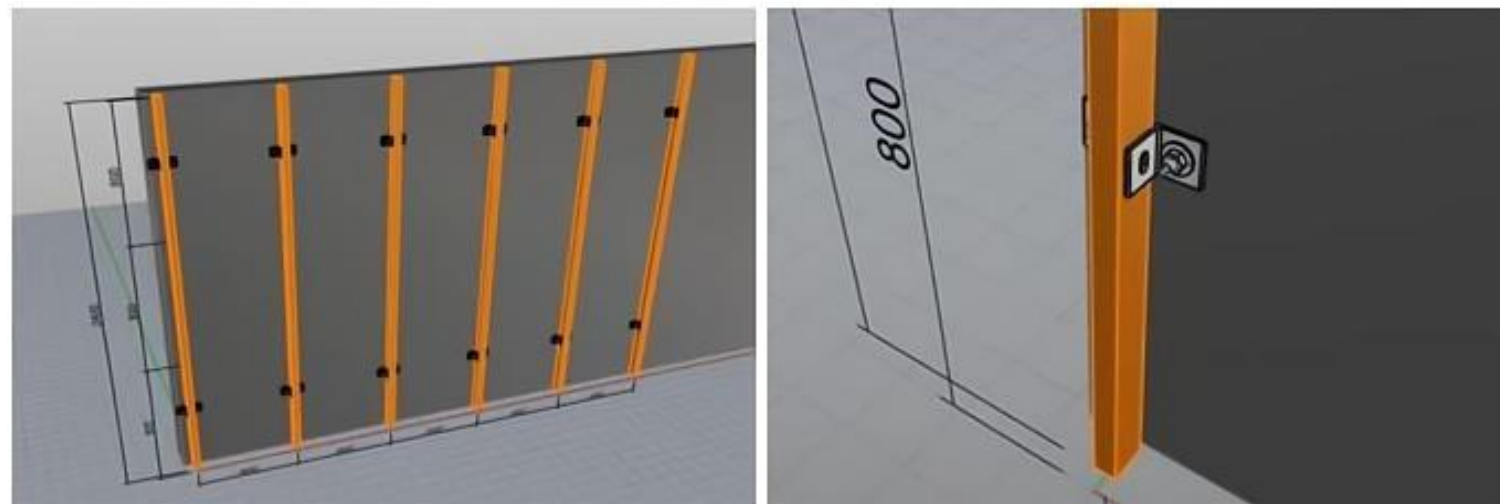


Installation Method

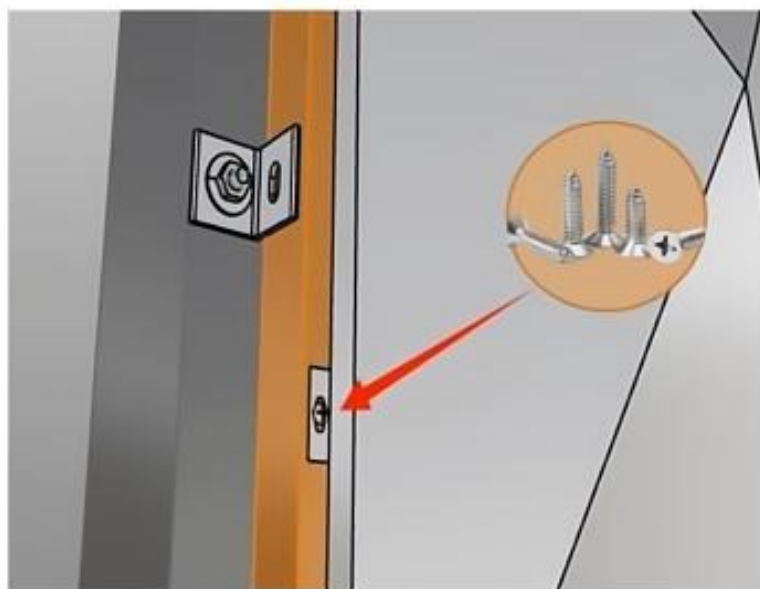
1. Need make frame structure(Use 50*50 steel tube and steel L corner , The expansion screw is fixed to the wall.) This helps keep the wall level.



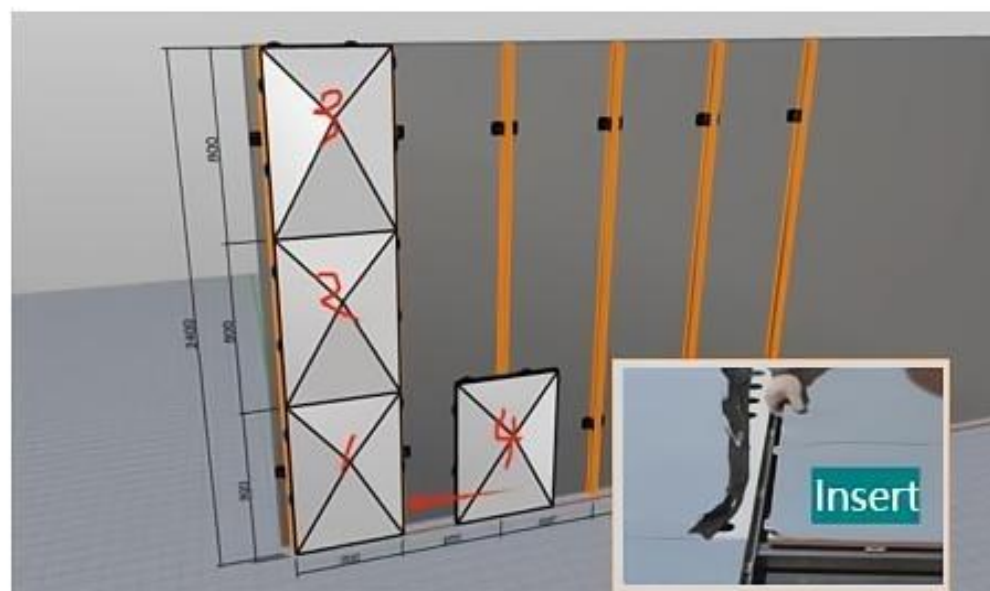
2. The length of the steel tube must be cut according to the actual project dimensions.



3. After completing the frame, secure the aluminum plate to the frame with hex screws.



4. Insert and install aluminum panels one by one.

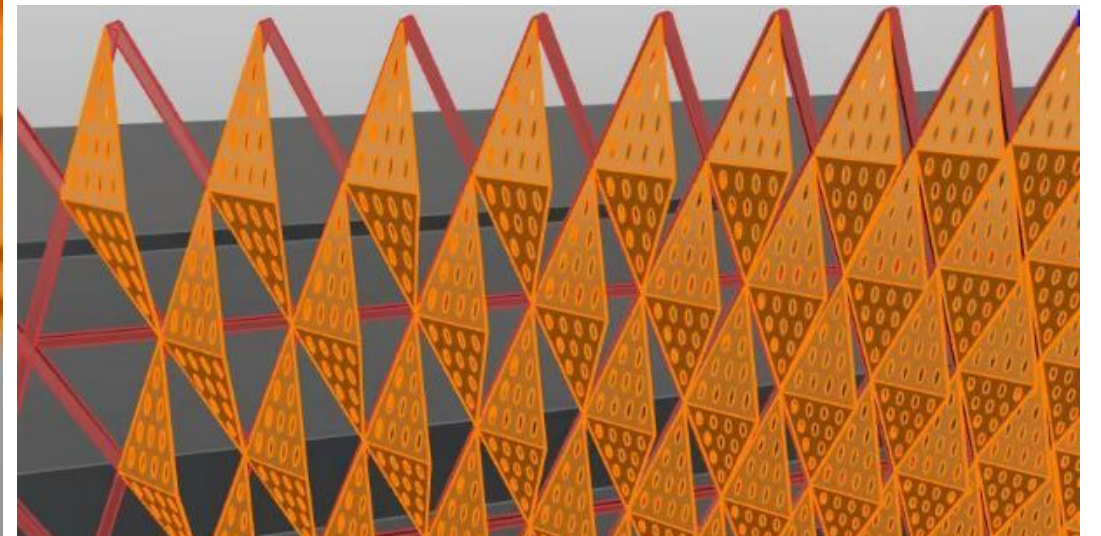
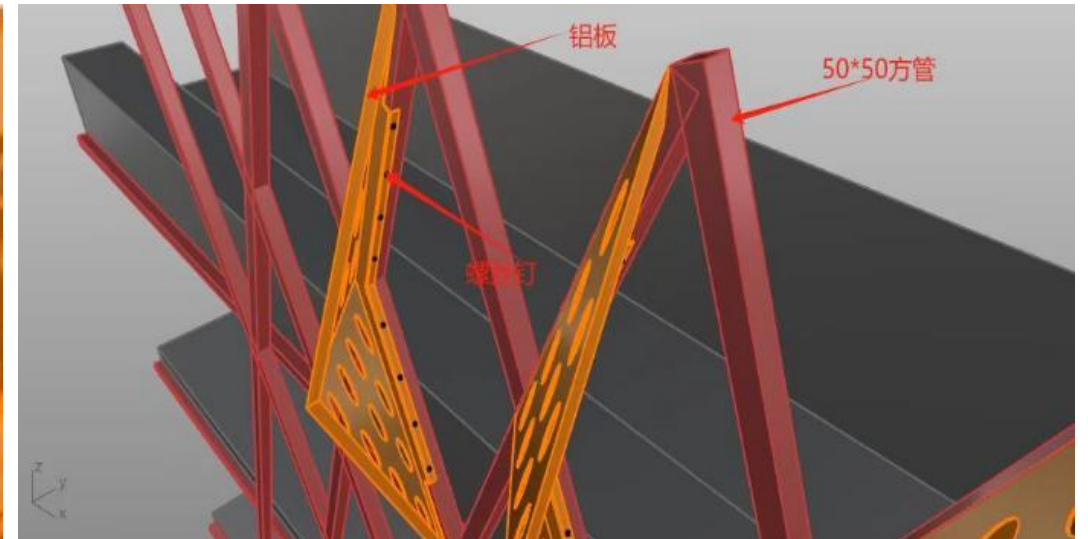
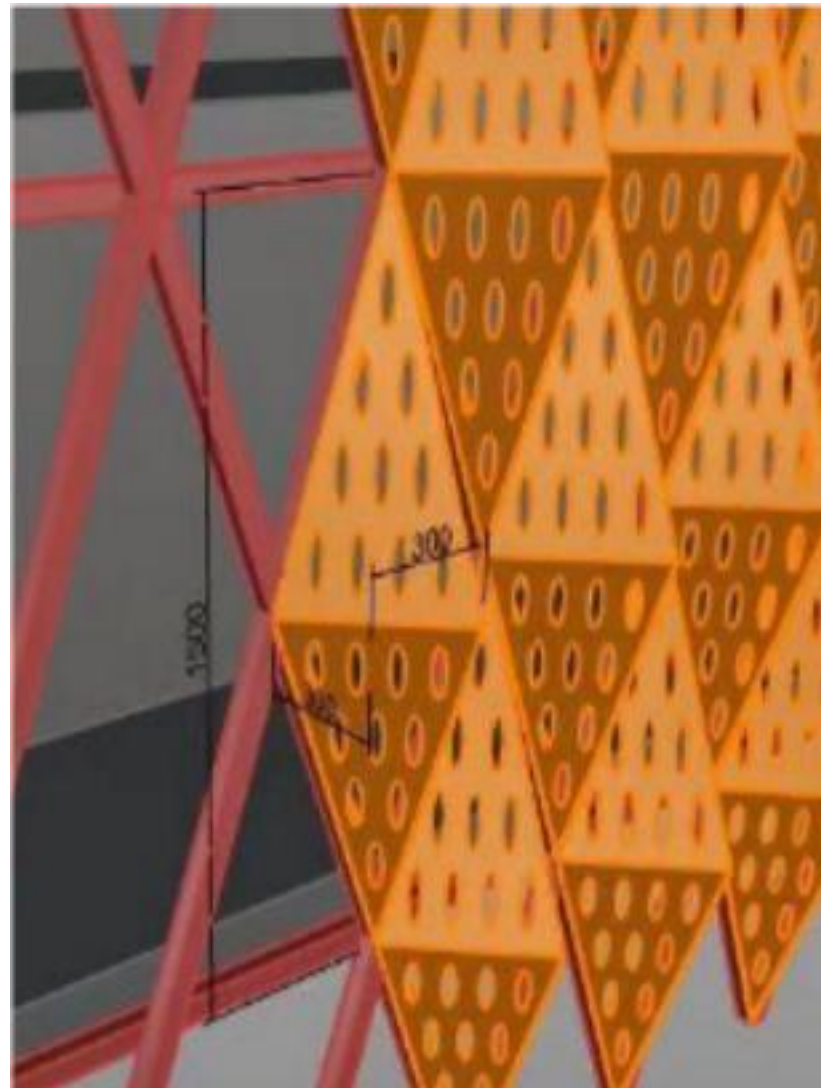
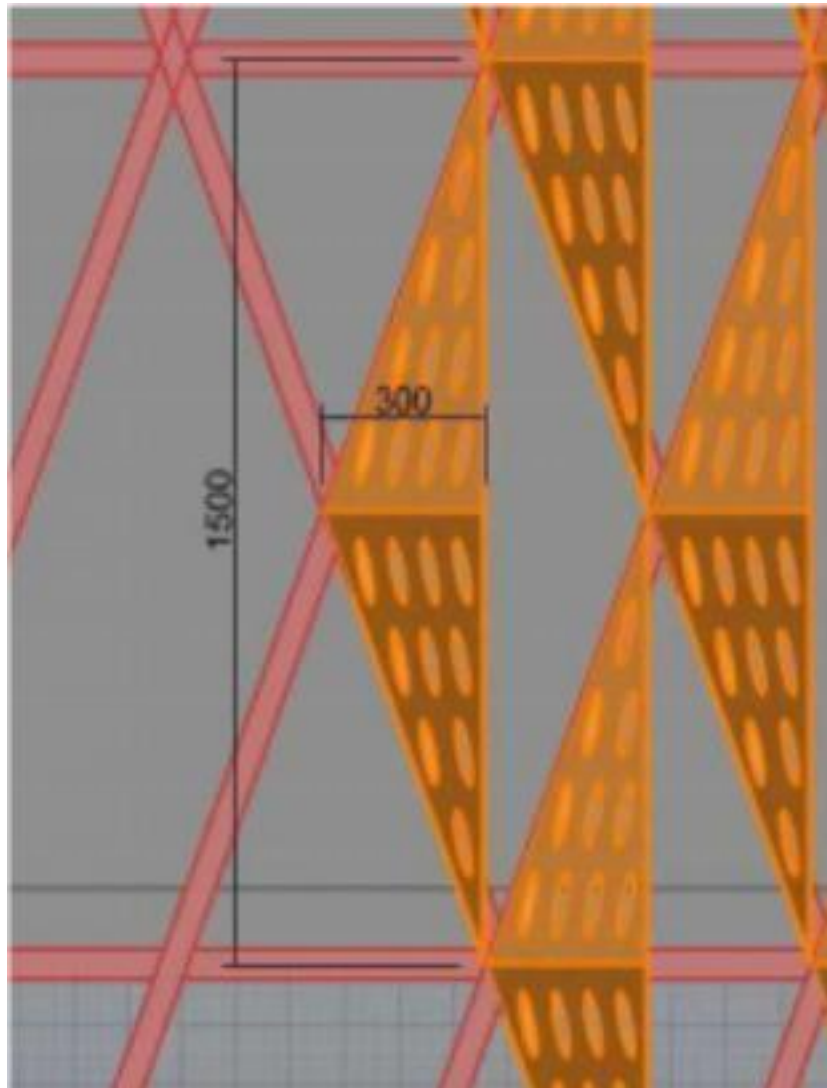


5. Finally, use the bubble and structural glass sealant are used to fill the curtain wall joints.



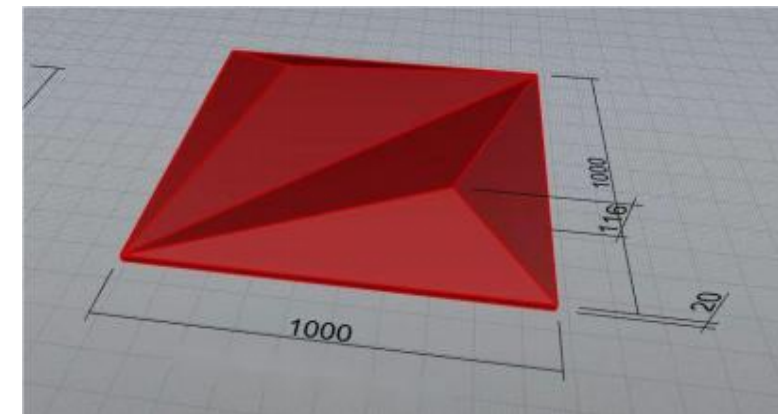
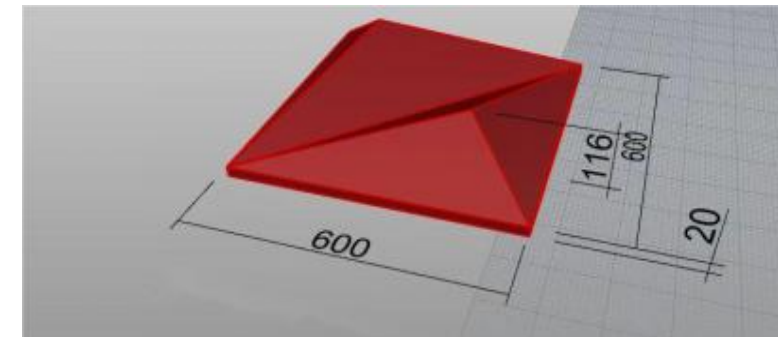
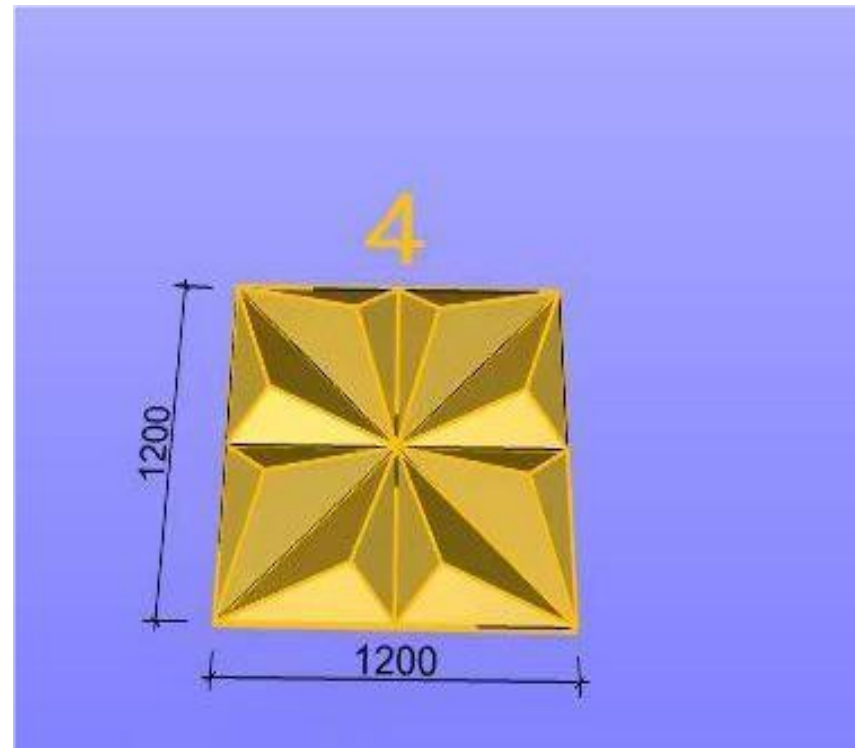
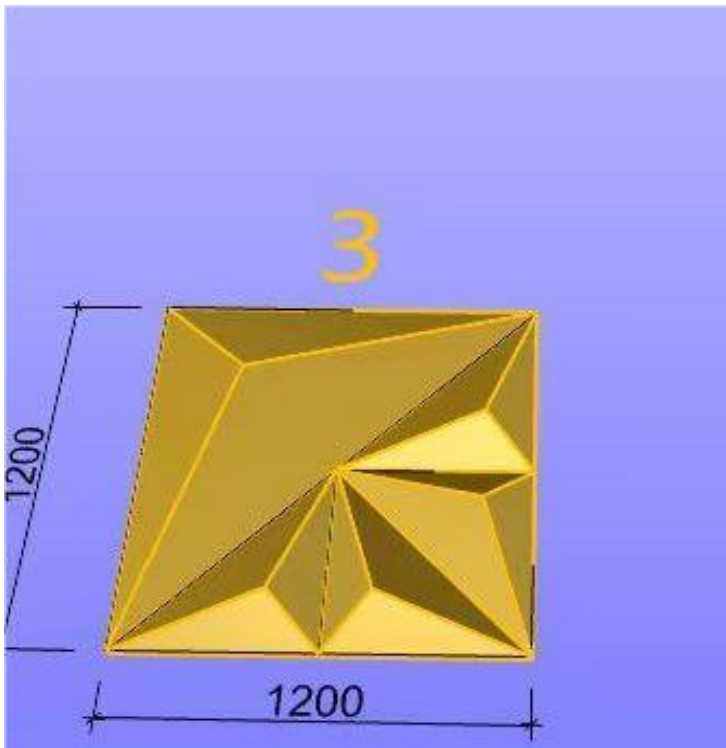
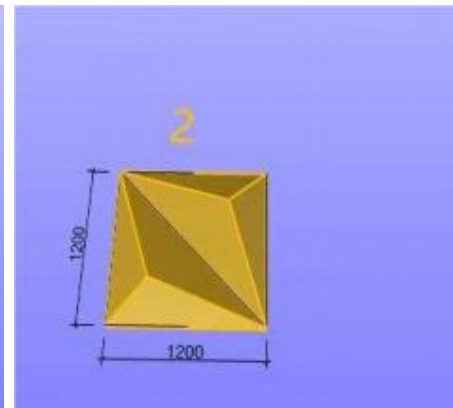
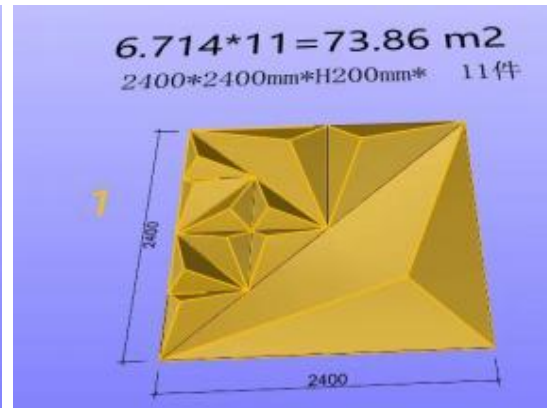
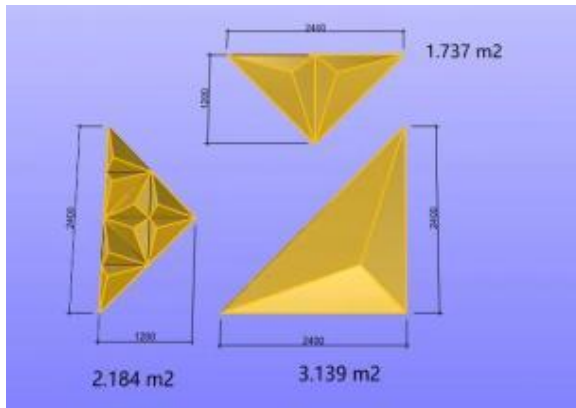
Installation Method

This approach utilizes a hook-on mounting system with galvanized steel framework, enabling rapid panel alignment and easy future maintenance access. Ideal for large-scale curtain wall projects where speed and precision are critical.



Installation Method

Our third method employs an embedded plate and steel pipe substructure system — engineered for high-wind zones and complex geometric facades. This approach provides maximum structural security for large-format 3D panels.



Every panel system ships with professional-grade mounting hardware, ensuring reliable long-term performance in all weather conditions.



Expansion Screw

Heavy-duty anchoring for concrete and masonry substrates



Embedded Plate

Pre-cast steel plates for secure substructure attachment



Galvanized Steel Pipe

Corrosion-resistant framework for panel support structure



Self-Tapping Screw

Quick-install fasteners for aluminum-to-steel connections