



翔一钢铁
XIANGYI STEEL

STEEL BUILDS A BETTER TOMORROW

XIANGYI

Product Brochure



Insulation



Fire Protection



Customization

BUILDING
A MORE SUSTAINABLE
WORLD TOGETHER

QUALITY
INNOVATION
TRUST
GLOBAL

INDUSTRIAL
SOLUTIONS
FOR A BRIGHTER
FUTURE



Smart Manufacturing, Custom Building Envelope Solutions

Company Introduction

Liaoning Xiangyi Steel Co., Ltd., based in Shenyang, specializes in steel processing and related services.

We supply color-coated steel, galvanized steel, galvalume steel, Al-Zn-Mg steel, polyurethane sandwich panels and polyurethane-edge-sealed rock wool panels.

Our coated steels feature attractive finishes, high durability and superior corrosion resistance for construction, home appliances, steel structures and high-end manufacturing.

We provide one-stop services including warehousing, slitting, leveling and logistics. Tailored to client demands, we help customers cut costs, save time and boost efficiency.



Strict Quality Control



Innovative Solutions



Strong Capacity



Win-win Cooperation



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PU Edge Sealed Rockwool Panel

Production Process Flow

Advanced continuous production line ensures high efficiency
consistent quality
strong panel performance.



02 Film Covering and Cutting Machine

01 Auto Decoiling Machine



04 Auto Rockwool Feeding System



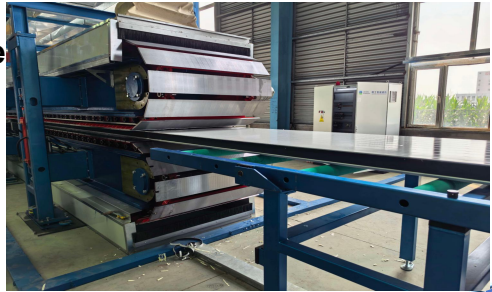
03 Roll Forming Machine



06 High Pressure Foaming Machine



05 PU Foaming Equipment



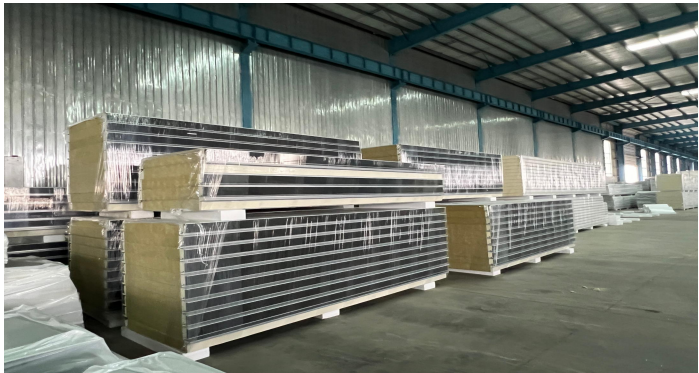
07 Double Belt System



08 Band Saw Cutting Machine



09 Cooling System



10 Roll Forming Machine

PU Edge Sealed Rockwool Panel

Wall Panel

Adopting hidden- screw connection, the panel features excellent waterproof performance with water-ripple surface finish for superior decorative effect.

The surface presents light and dark stripes with stunning visual beauty, creating a shifting scene effect under light.



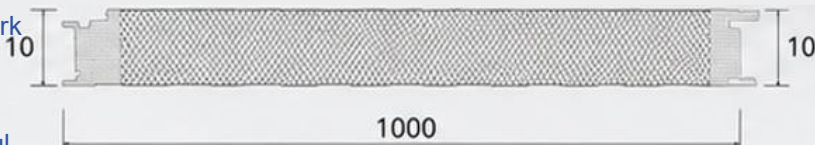
Excellent Waterproof Performance



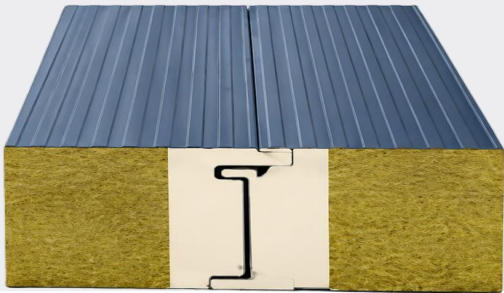
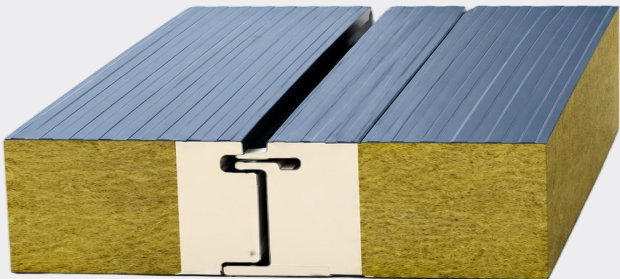
Decorative Surface Light & Dark Stripes



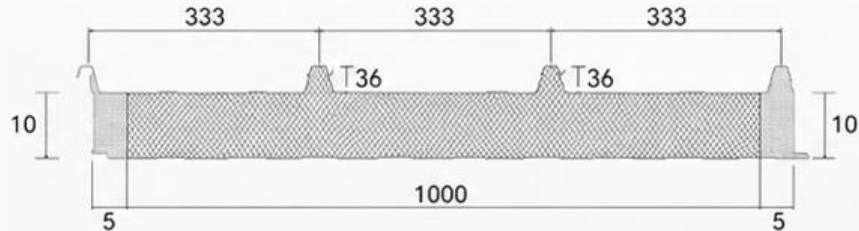
Hidden Screw Easy & Beautiful



JOINT DETAIL



Roof Panel



High mechanical strength, excellent drainage performance, strong wind- pressure resistance, tight joint connection and fast installation.

Dimensions:	Corrugation height 36 mm, peak spacing 333.3 mm
Effective width:	1000 mm
Available thickness:	50 mm, 75 mm, 100 mm, 120 mm, 150 mm, 200mm



PU SandwichPanel



Superior Insulation

PU core offers excellent thermal resistance for energy savings.



Moisture & Corrosion Resistance

Closed-cell structure prevents water absorption and resists corrosion.



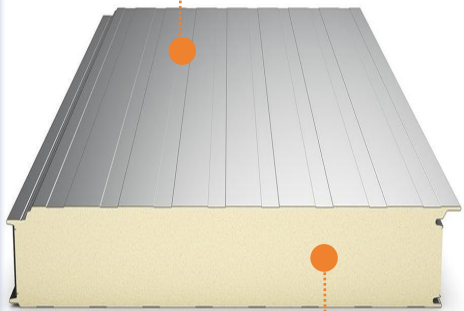
Lightweight & High Strength

Lightweight & easy installation with outstanding structural performance.



Wall Panel

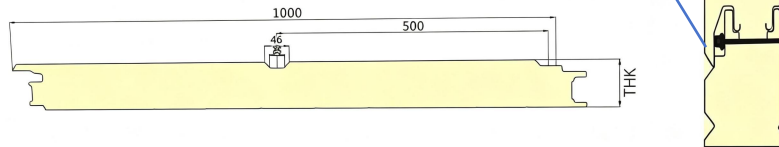
Top & Bottom steel: Durable metal sheet with protective coating



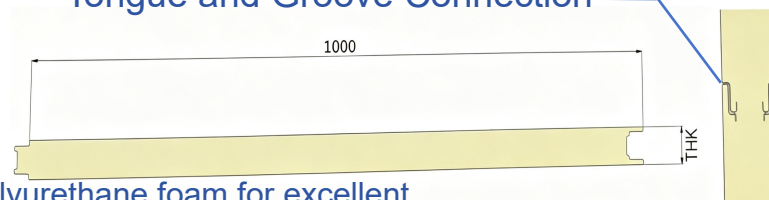
High-density polyurethane foam for excellent insulation

Joint Type

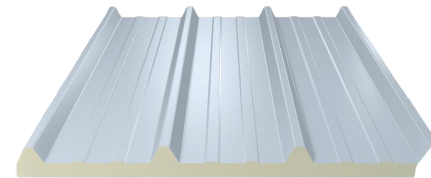
Hidden-fastener Installation



Tongue and Groove Connection

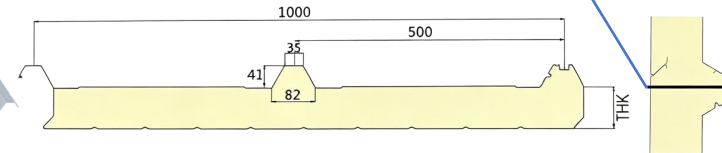


Roof Panel



Joint Type

Hidden-fastener Installation



Production Specifications

Effective Width: 950mm 1000mm 1150mm

Thickness: 50mm 75mm 100mm 120mm 150mm 200mm

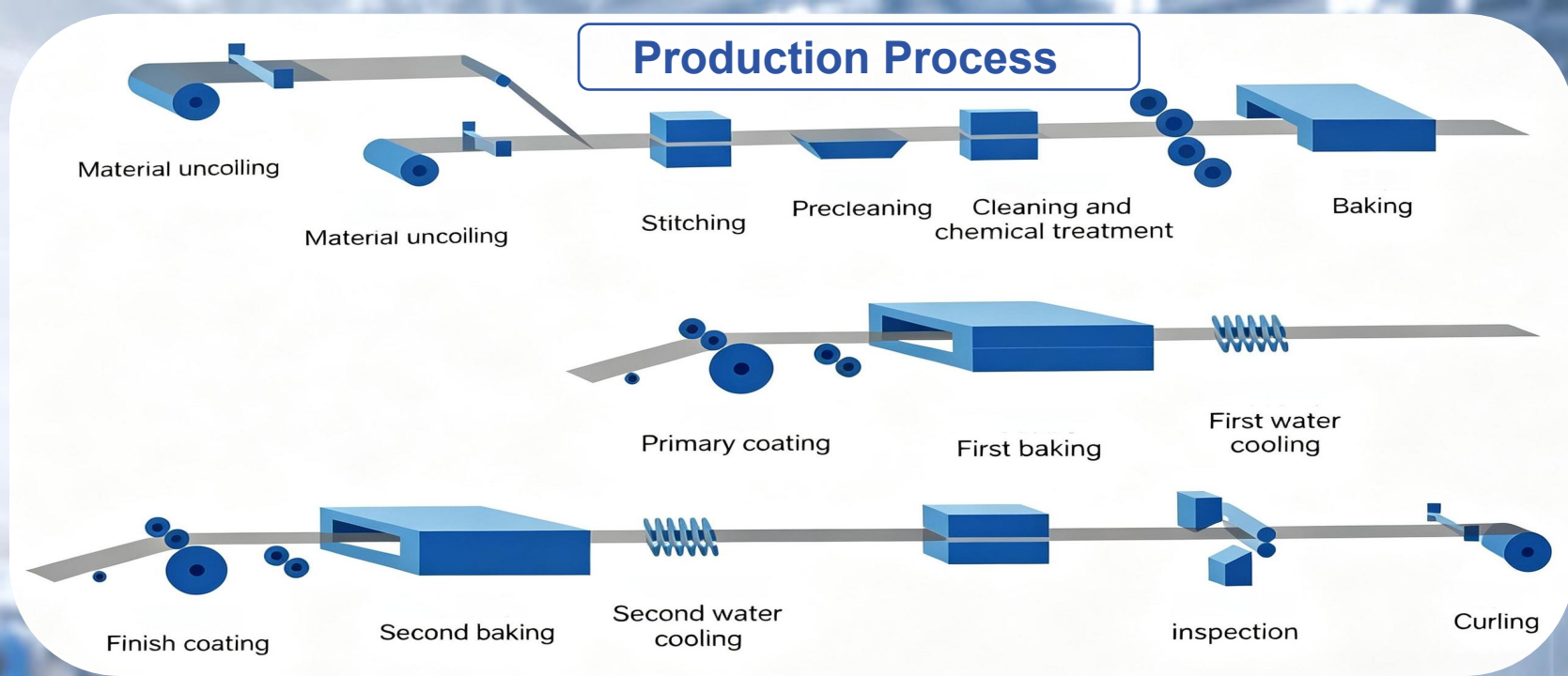
Thermal Conductivity: $\leq 0.02 \text{ W/(m}\cdot\text{K)}$

Fire Rating: Standard PU panels are usually classified as B2.
Fire-retardant PU panels can achieve B1.

Color Coated Steel Panel

Applications & Color Options

Reliable Material for a Better Tomorrow



Applications

IDEAL FOR MODERN CONSTRUCTION



Roofing Sheets



Wall Cladding Facing



Sandwich Panel



Ceiling Panels



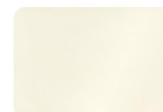
Industrial Buildings

Color Options

VARIETY OF COLORS TO MATCH YOUR PROJECT



White



Ivory



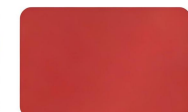
Sky Blue



Sea Blue



Silver Gray



Brick Red



Custom Colors

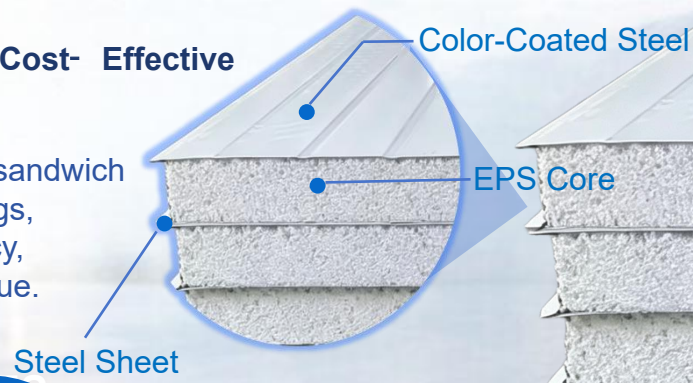
COLOR BUILDS
A BRIGHTER WORLD

Build Better with EPS Sandwich Panel

DURABLE PANELS
FOR A BRIGHTER
TOMORROW

Lightweight / Insulated / Cost- Effective

High- performance EPS sandwich panels for modern buildings, delivering energy efficiency, comfort and long-term value.



KEY ADVANTAGES

More Than Just a Foam Board — It's a Smarter Insulation Choice.



Excellent Thermal Insulation

Helps maintain indoor temperature and reduce heating and cooling energy consumption.

Lower energy cost for a greener tomorrow.



Lightweight & Easy to Install

Low density makes it easy to handle, transport cut and install.

Save labor time, reduce installation cost.



Custom Density & Thickness

Multiple density options, various thicknesses and sizes to meet different project needs.

Fully customisable to fit your specific requirements.

WIDE RANGE OF Applications

Case Studies →



Industrial Buildings



Warehouse&Workshop



Roofing Systems



Commercial Buildings

Cold Room Panel

Superior Insulation | Stable Temperature | Long-lasting Performance



APPLICATION SCENARIOS



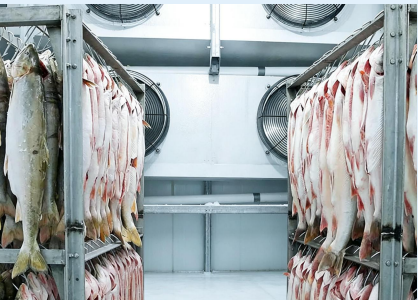
Food Cold Storage



Pharmaceutical Storage



Meat Processing



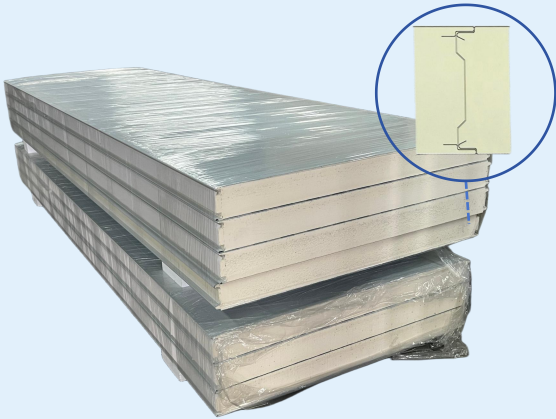
Seafood Processing



Logistics & Distribution



Agriculture Storage



EXCELLENT THERMAL INSULATION

Low thermal conductivity, keeps temperature stable.



SUPERIOR FIRE RESISTANCE

Non-combustible core material, higher safety level.



MOISTURE & WATER RESISTANCE

Closed-cell structure, prevents water absorption and mold.

Cold Room Panel Performance Parameters			
Length	≤11m		
Thickness	50mm 75mm 100mm 120mm150mm 200mm		
Effective Width	950mm 1000mm 1150mm		
Average Density	35-55 kg/m³		
Thermal Conductivity	0.019 kcal/(m·h·°C)		
Compressive Strength	≥0.2 MPa		
Maximum Operating Temperature	90 °C		
Minimum Operating Temperature	-120 °C		

COMPLETE ACCESSORIES SOLUTIONS

DESIGN · MANUFACTURING · INSTALLATION · SUPPORT

Everything You Need for Panel Installation



HIGH QUALITY
Durable & Reliable



COMPLETE RANGE
One-stop Sourcing



EASY INSTALLATION
Save Time & Labor



PROFESSIONAL SUPPORT
Technical Guidance



**ONE-STOP SOURCING
FOR YOUR PROJECT**



High Quality Materials



Complete Accessories



Perfect Compatibility



Global Supply Capability

01 FASTENING SYSTEM



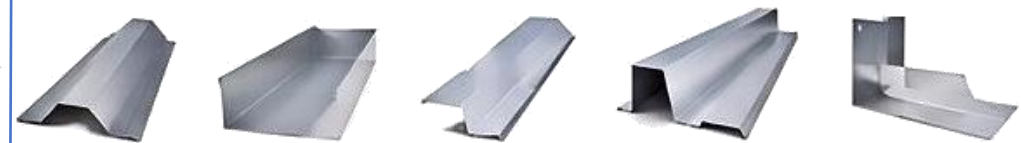
Self Drilling Screw Sandwich Panel Screw Bolt & Nut Washer

02 SEALING SYSTEM



Sealant Butyl Tape EPDM Tape Sealing Strip

03 FLASHING & TRIM



Ridge Cap Corner Flashing Edge Flashing Wall Flashing Door & Window Flashing

04 DRAINAGE SYSTEM



Gutter Downpipe Gutter Bracket End Cap

05 CONNECTION & SUPPORT



Aluminum Profile Connection Profile Support Bracket Panel Joint Cover Hanger Bolt Hex Bolt

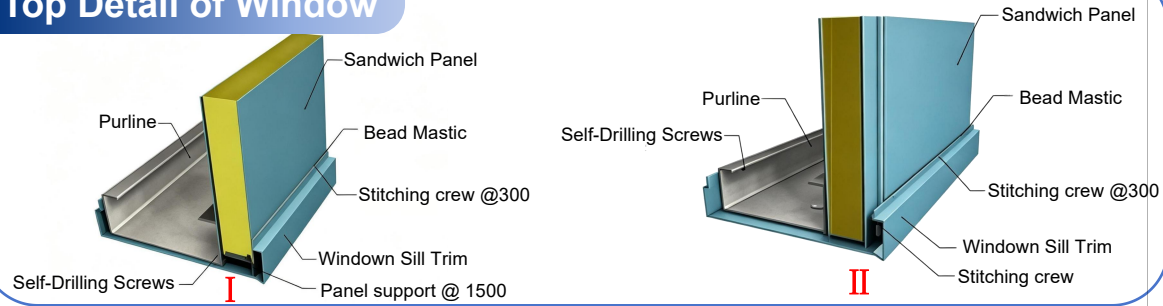
Rich Technical Expertise Ensures Perfect Building Joints

*Better Panel
Better Building*

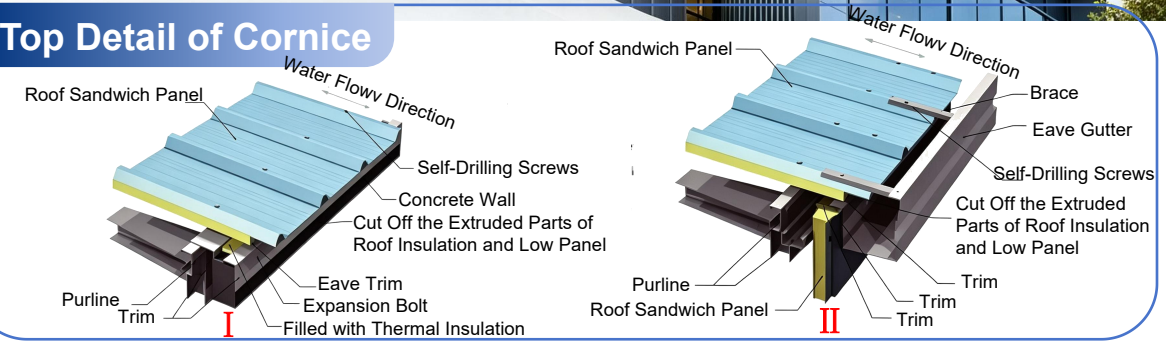
Traditional exterior metal cladding systems use rivets for panel assembly, which leave holes on wall surfaces and corners and compromise the facade appearance.

Longteng's innovative panel structure and unique installation solution achieve fastener-free walls and corners. Our metal decorative panels create neat, elegant exterior facades for superior decorative results.

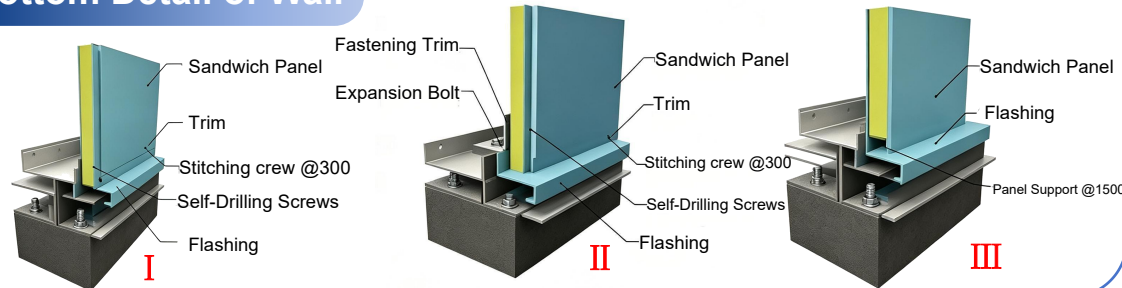
Top Detail of Window



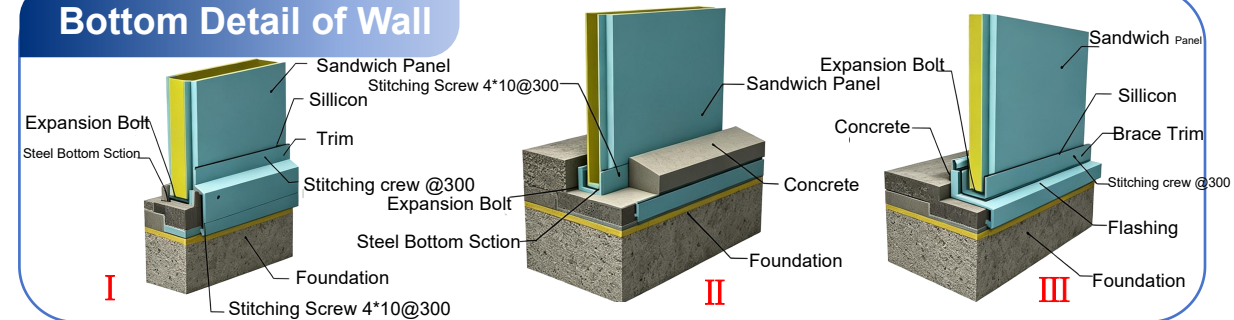
Top Detail of Cornice



Bottom Detail of Wall

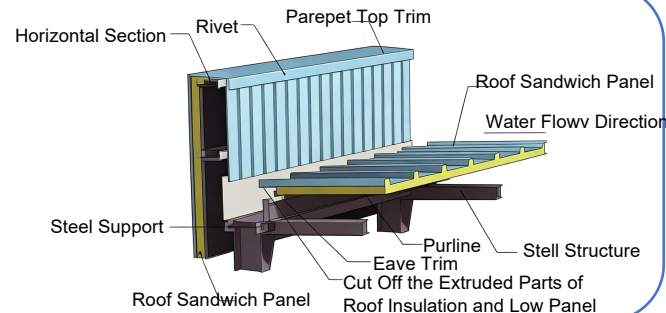


Bottom Detail of Wall

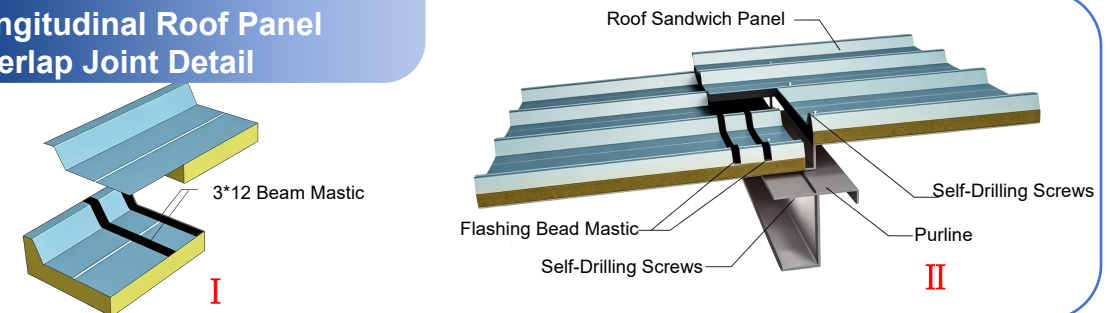


Top Detail of Cornice

Top Detail of Cornice-III



Longitudinal Roof Panel Overlap Joint Detail



Authoritative Certification

QUALITY ASSURED • TRUSTED CHOICE





XIANGYI STEEL

SANDWICH PANELS | STEEL STRUCTURES | BUILDING MATERIALS

HIGHER STANDARDS
A BRIGHTER TOMORROW

LET'S BUILD BETTER TOGETHER

Professional Sandwich Panel Solutions

RELIABLE PRODUCTS · PROFESSIONAL SERVICE · A STRONGER TOMORROW

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Contact Us for Your Next Project



MORE THAN MATERIALS
A STRONGER TOMORROW

