



ASPIRE STEEL INTERNATIONAL COMPANY LIMITED

We Are
Your **SOLUTION**



info@aspiresteel.com



+84-28-73003627



aspiresteel.com

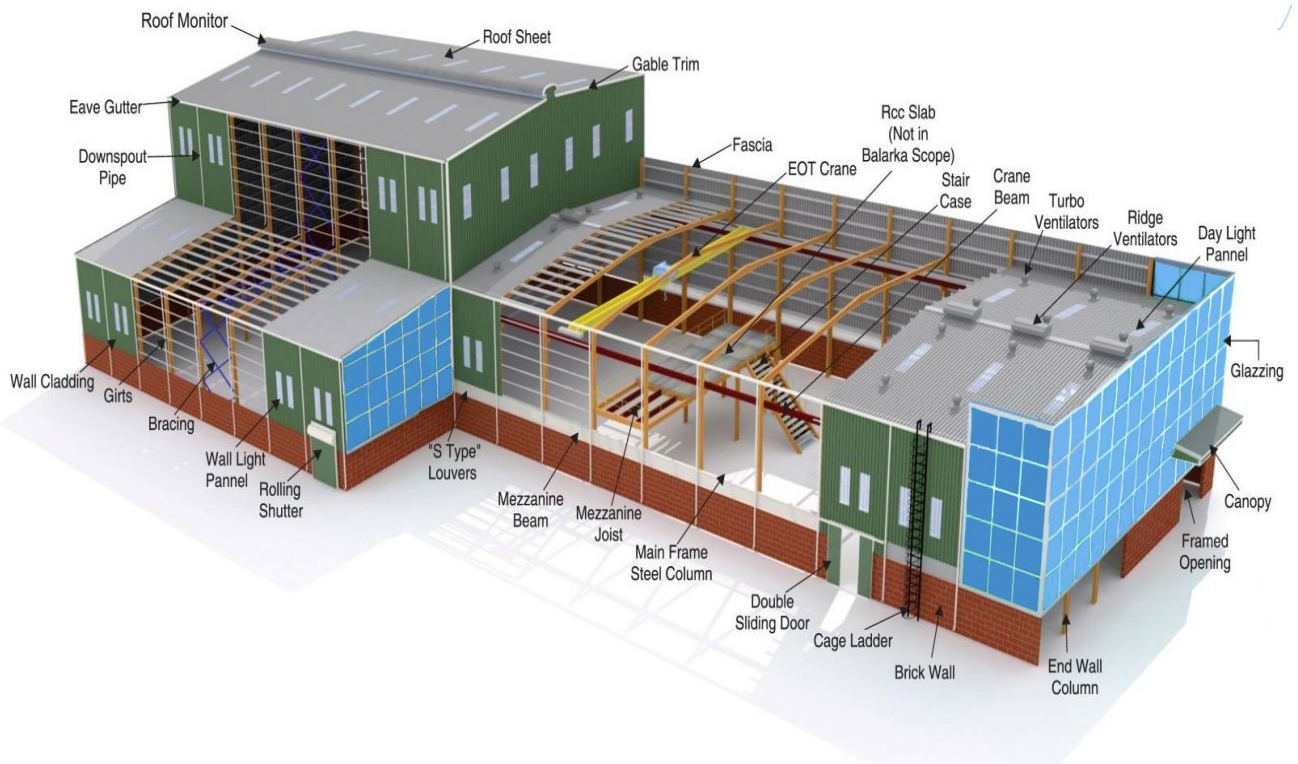
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ASPIRE STEEL INTERNATIONAL



With the spirit of development and cooperation, all our team members those who are from popular Vietnamese and International companies specialized in steel structures have joined their hands for establishment of ASPIRE STEEL INTERNATIONAL COMPANY LIMITED IN 2020



COMPANY PROFILE

Aspire Steel International Company Limited

We are Vietnamese establishment based in Thu Duc City in South Vietnam. We wish to cover entire Vietnam and South East Asia With Wide Customer Base. Our Establishment was established in 2020 and our staffs have over 15 to 30 years of experience in of engineering and fabrication for steel service in:

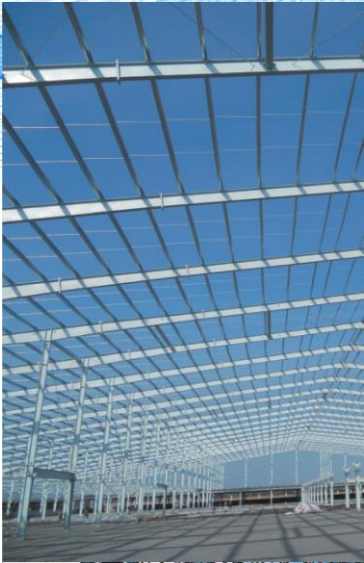
- Airport Terminals
- Railway Stations
- Bus Stations
- Sports Stadiums and Auditoriums
- Exhibition Halls
- Aircraft Hangars

Facilities:

- Work Shop with a capacity of 1000 MT/Month
- Equipped with heavy capacity crane for executing fabrication and container loading
- Talented design team to optimize the steel design
- Best Logistic Links
- Skilled Work force.
- Qualified Staffs with eminent Site installation team

Specialization of supply:

- Structural steel Frames
- Laced Columns and castellated beams
- Trusses
- Crane Girders
- Pipe Racks
- Mezzanine Floors
- Staircases & Handrails
- Access Platforms & Gratings
- Canopies
- Cladding & Metal Decks
- Windows/Doors
- Building Accessories and Fasteners
- Miscellaneous Pipe Spools





Our Vision

ASPIRE STEEL INTERNATIONAL (ASI) is a steel Buildings company which marches towards becoming one of the best steel building suppliers in the steel fabrication industry and it will be achieved through continuous training cum development program in Fabrication/ Erection/ product quality and immaculate design coupled with good customer satisfaction in this region.



Our Mission

To focus mainly on Sincere customer service by providing with Lean Manufacturing Techniques by evolving optimization and cost cutting activities to achieve fair price to customers On Time delivery with safe & versatile design/installation and fabrication to meet client’s exact requirements at all the time.



Our Values

- Be a Potential & Reliable supplier.
- Interchange knowledge to achieve success.
- Continuous improvement in product standard, cost effective, high quality by continuous training with dedication.
- Application of latest American design and Building codes.
- Our slogan is “We Will Win” We look after them for our long term relationship in industry by focusing to achieve their Victory. We always focus on “Customer Success” & Solution to every small minute activity to achieve success for our End user/ Owner/ Client.



OHSC Policy

Comply with latest Applicable Occupational Health, Safety, Environmental Laws and Regulations to adhere people, public & Environmental safety in all our activities at all the times.



STANDARDS

❖ Product line automatic and self – contained, modern infrastructure.

The factory is equipped with the entire production line with new automated equipment almost procured Vietnam/Other countries.

❖ Competitive price

We are the industry's most cost-effective producer. Our production capacity, enhanced by composite design/immaculate engineering techniques and vibrant production processes, enables us to offer the most competitive price in steel industry and we will pass the savings back to our valued customers by optimization of resources planning.

Aspire Steel design and manufacture in acceptance on the latest editions with the following

The American Codes



(MBMA) Low Rise Building Systems Manual-Metal Building Manufacture's Association, Inc.



(AISC) Manual of Steel Construction, Allowable Stress Design Ninth Edition, 1989 American Institute of Steel Construction, Inc.



**American
Iron and Steel
Institute**

(AISI) Cold Formed Steel Design Manual 1999 Edition-American Iron and Steel Institute.



(AWS)Structural Welding Code-Steel ANSI/AWS,D1, 1-2008, American Welding Society

The British Codes

(British Standard Institution)



BS 5950: Part 1:

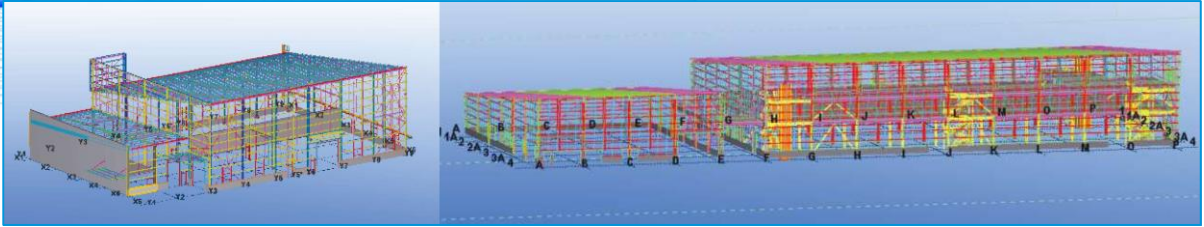
2000 Structural use of Steelwork in Building Part 1.
Code of practice for design of Rolled and Welded sections

BS 6399: Part 2: 1997

Loading for buildings - Code of practice for wind loads
Other codes used in application of wind and seismic loads:

- **IBC** - International Building code.
- **ASCE-7/SEI** - Minimum Design Loads for building and other structures

FULL PROCEDURE



Conceptual Drawing: Primary stage of the building project. We interact with owner/client to optimize the conceptual design, to meet their requirements such as material grade, building dimensional parameters, building span, layout of columns & beams, connection details etc using latest design code with the aid of latest design software.

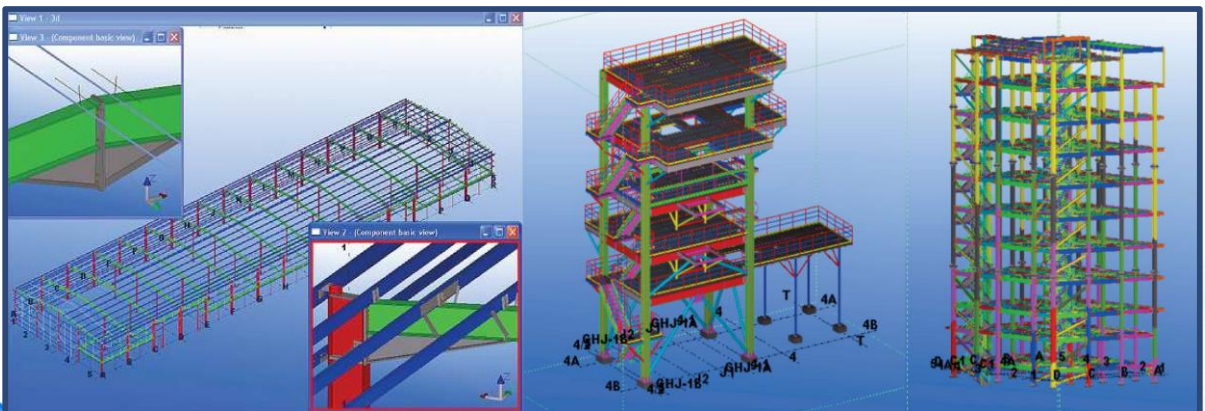
Architectural Drawings: Aspire Steel Drafting crew will preliminary drawings by using AutoCAD based on client/owners technical information with a consideration of its sections, top, side and end views of building to support design estimate to furnish customer for their approval/comment along with project budgetary quote.

Approval Drawings: Pursuant to an agreement for project contract from client/owner, our design team will prepare approval drawings and its design calculation by the application of latest proven software by complying with MBMA/AISC latest American building code to submit to the client for the final approval.

Shop Drawings/Erection Drawings: Upon Customer/owner approval we prepare shop drawings/erection drawings/3D assembly drawings with and aid of latest proven software to achieve client utmost satisfaction in optimization of steel quantity buttressed with high building strength.

Aspire Steel Engineers are trained to comply with the latest Design Codes, which results in converting complex conventional steel building designs into simpler and more optimized-designed pre-engineered steel buildings without sacrificing the structural integrity and safe performance of these buildings

Design Warranty: ASI will warranty our design and drawings for ten years and our designs are comprehensive and its calculation are very simple to understand. Our engineering team to reduce cycle time to achieve cost efficient to provide its benefit to customers.



FABRICATION

BEAM STRAIGHTENING MACHINE MAGNETIC DRILLING



Material



CNC Cutting Machine



CNC Tri-axis drilling machine



Assembly and Full welding



Connection Plate Fabrication



CO₂ Protective welding machine



Straightening machine



Iron Worker



Punching Machine

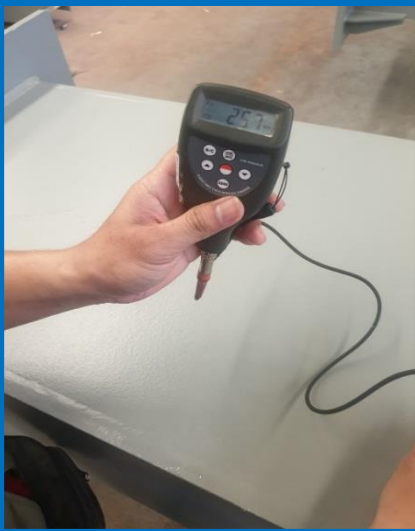


CNC Band saw machine



Shot Blasting Machine(2x2.2m)

PAINTING



MARKING & PACKING



CRANE GIRDER/BEAM/BOX COLUMN



TYPICAL PROJECTS



Project: ACE Hospital General Santos, Philippines



Project: Gymnasium Udon, Bangkok-Thailand

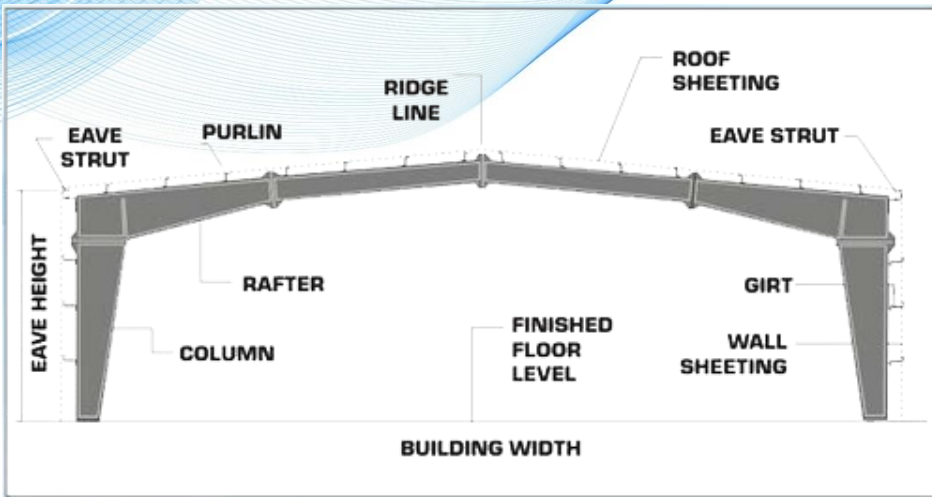


Project: J005-21 Ware House, Bangkok-Thailand

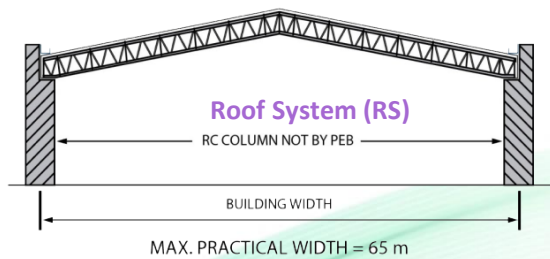
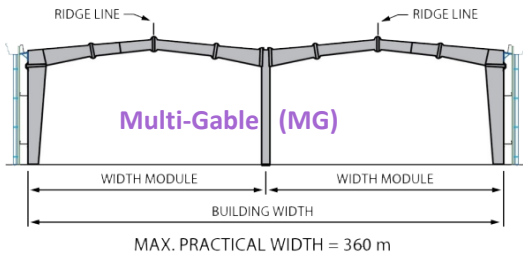
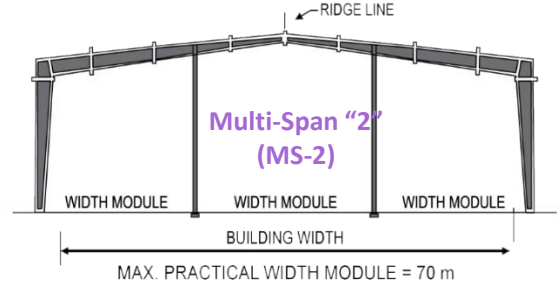
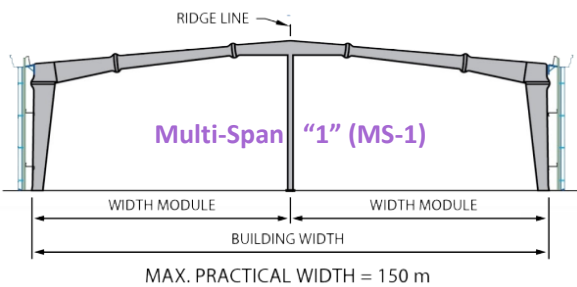
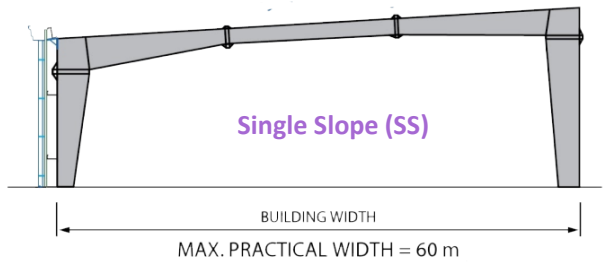
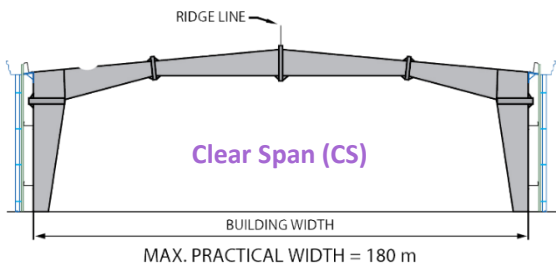
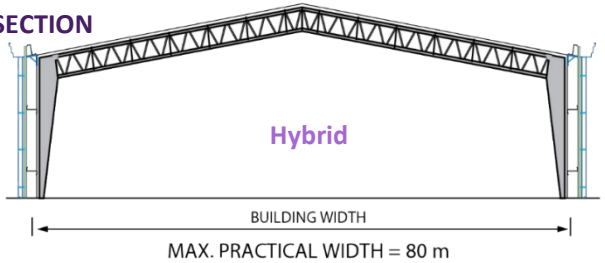
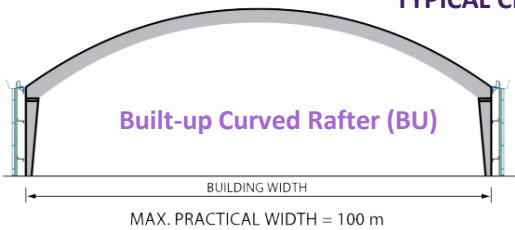


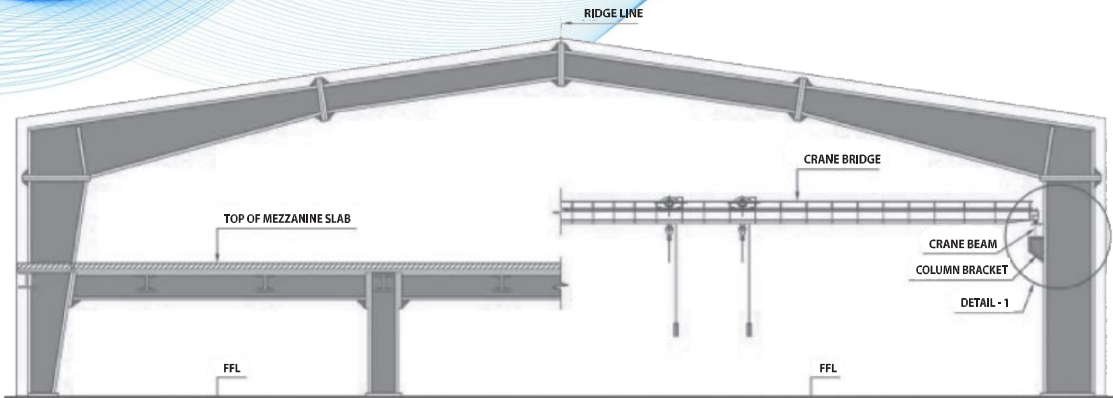
Project: WareHouse Building, Bangkok-Thailand

TYPICAL PARAMETERS

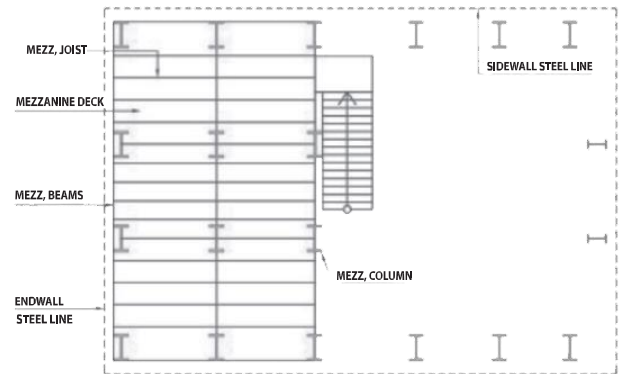


TYPICAL CROSS SECTION

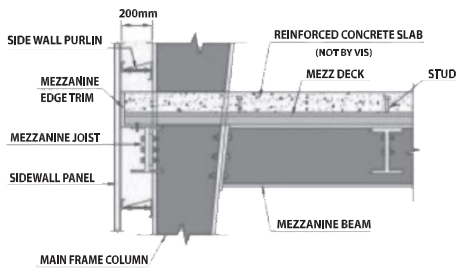




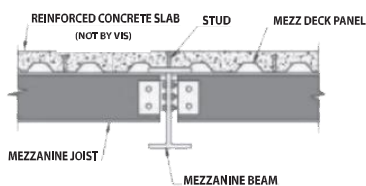
MEZZANINE AND CRANE SYSTEM



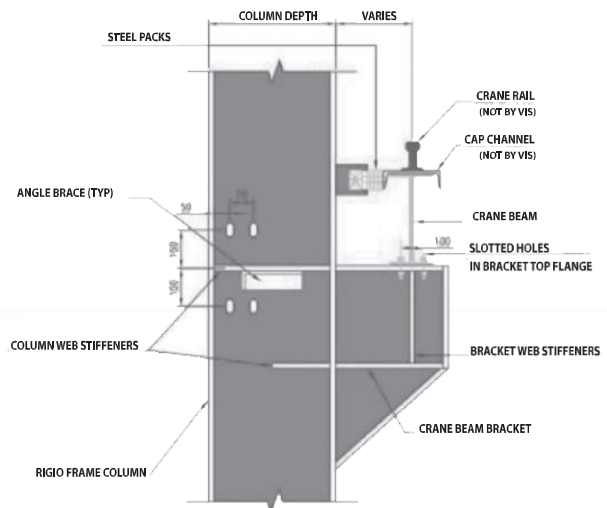
MEZZANINE PLAN



MEZZ. BEAM AND COLUMN



JOIST AND BEAM



DETAIL - 1: CRANE BEAM AND BRACKET

STANDARD ACCESSORIES

ANCHOR BOLT



FIXING SCREW



HILL SIDE WASHER



POP PAINTED RIVET



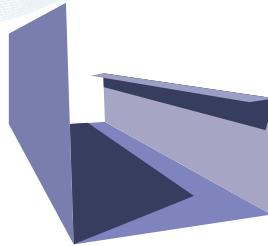
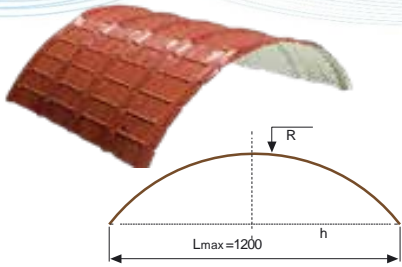
SILICON



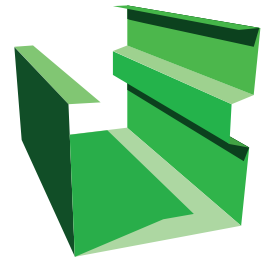
PURLIN C, Z



STANDARD ACCESSORIES



Valley Gutter



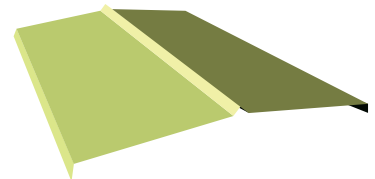
Eave Gutter



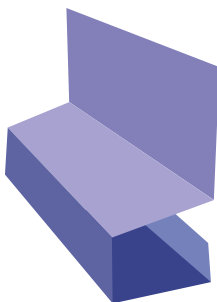
Drip Trim



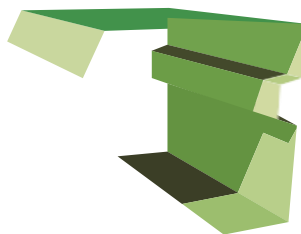
Curved Steel Sheet



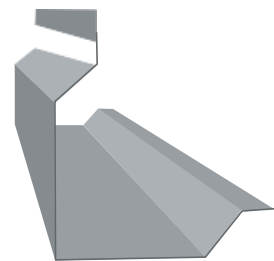
Ridge Capping



Button Trim



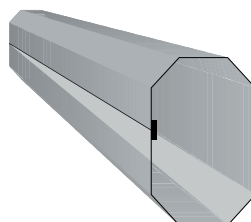
Oasis Gable Trim



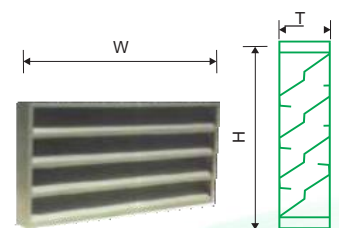
Corner Trim



Foam Closer

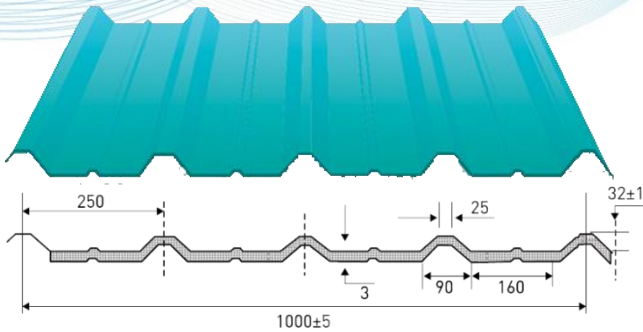


Downspout



Louver Ventilation Systems

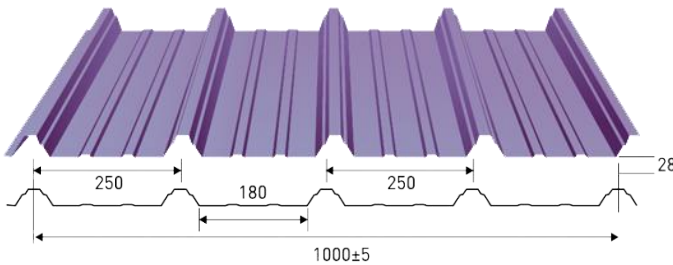
ROOFING SHEET PRODUCT



VDT.5 ribs PE (VDT 32-1000.5PE)

TECHNIQUE PARAMETER

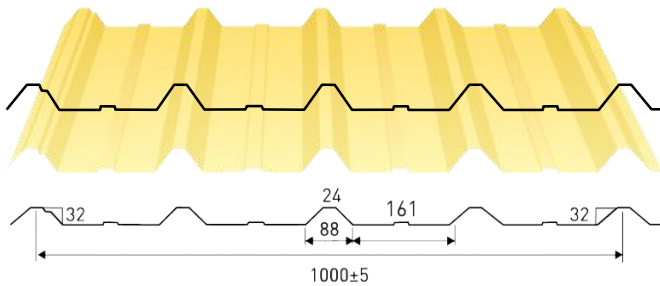
Effective width (mm)						1000±5
Feeding width (mm)						1200
Rib height (mm)						32
Thickness (mm)	0.40	0.45	0.48	0.50	0.55	
Application						Roof & Wall



VDT.5 ribs (VDT 28-1000.5)

TECHNIQUE PARAMETER

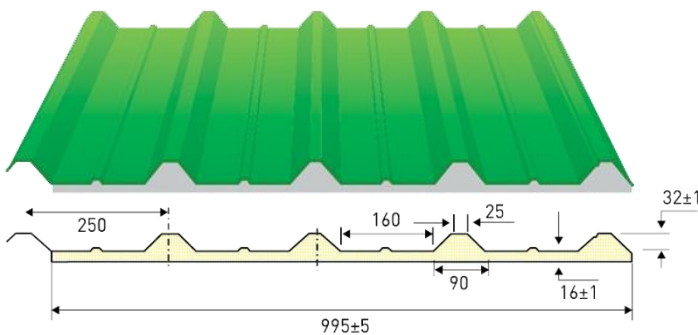
Effective width (mm)						1000±5
Feeding width (mm)						1200
Rib height (mm)						28
Thickness (mm)	0.35	0.40	0.45	0.48	0.50	0.55
Application						Roof & Wall



VDT.5 ribs (VDT 32-1000.5)

TECHNIQUE PARAMETER

Effective width (mm)						1000±5
Feeding width (mm)						1200
Rib height (mm)						32
Thickness (mm)	0.40	0.45	0.48	0.50	0.55	
Application						Roof & Wall



VDT.5 ribs PU (VDT 32-1000.5PU)

TECHNIQUE PARAMETER

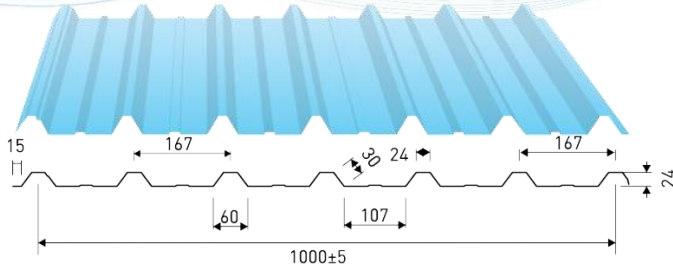
Effective width (mm)						995±5
Feeding width (mm)						1200
Rib height (mm)						32
Thickness (mm)	0.40	0.45	0.48	0.50	0.55	
Application						Roof & Wall

ROOFING SHEET PRODUCT

VDT. 5 ribs PE (VDT 32-1000.5PE)

TECHNIQUE PARAMETER

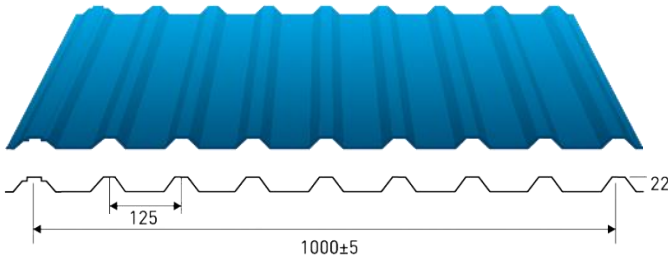
Effective width (mm)						1000±5
Feeding width (mm)						1200
Rib height (mm)						24
Thickness (mm)	0.40	0.45	0.48	0.50	0.55	
Application						Roof & Wall



VDT. 9 ribs (VDT22-1000.9)

TECHNIQUE PARAMETER

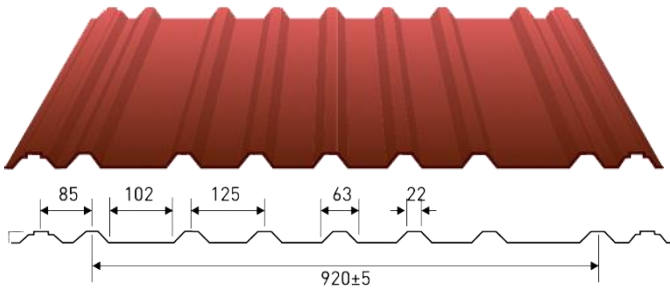
Effective width (mm)						1000±5
Feeding width (mm)						1200
Rib height (mm)						22
Thickness (mm)	0.35	0.40	0.45	0.48	0.50	0.55
Application						Roof & Wall



VDT. 9 ribs (VDT 22-920.9D)

TECHNIQUE PARAMETER

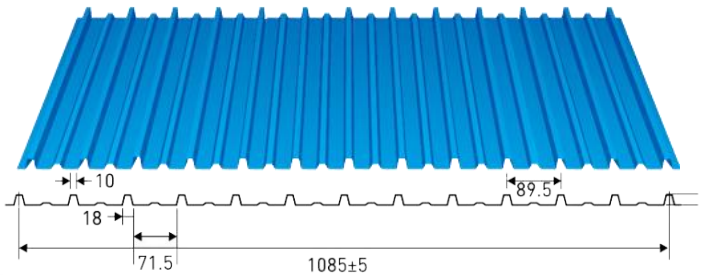
Effective width (mm)						920±5
Feeding width (mm)						1200
Rib height (mm)						22
Thickness (mm)	0.35	0.40	0.45	0.48	0.50	0.55
Application						Roof & Wall



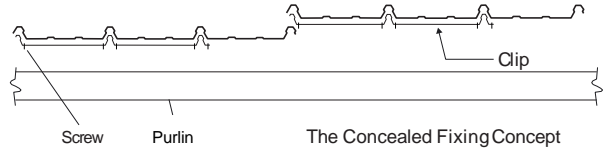
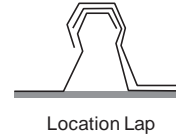
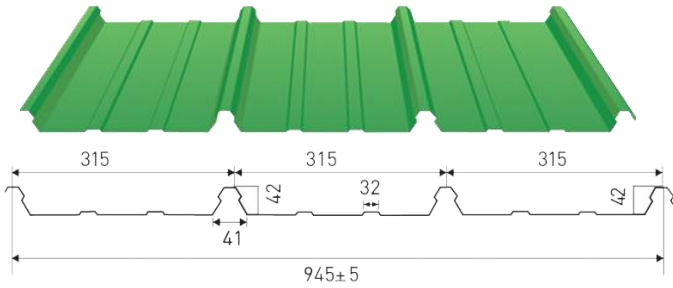
VDT. 13 ribs (VDT 9-1085.13)

TECHNIQUE PARAMETER

Effective width (mm)						920±5	
Feeding width (mm)						1200	
Rib height (mm)						22	
Thickness (mm)	0.30	0.35	0.40	0.45	0.48	0.50	0.55
Application						Roof & Wall	

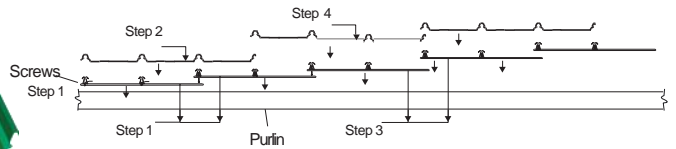
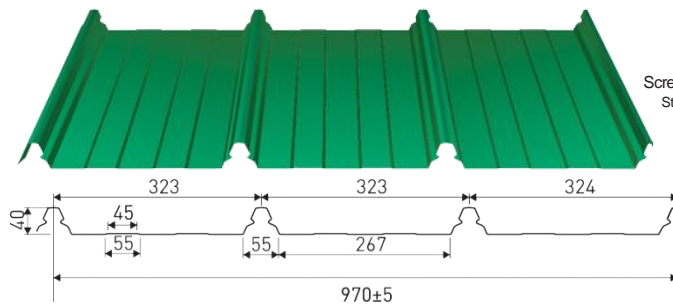


ROOFING SHEET PRODUCT



TECHNIQUE PARAMETER

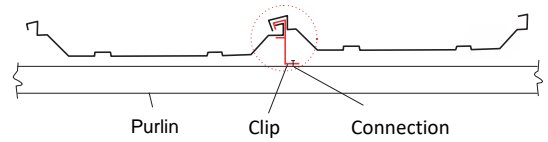
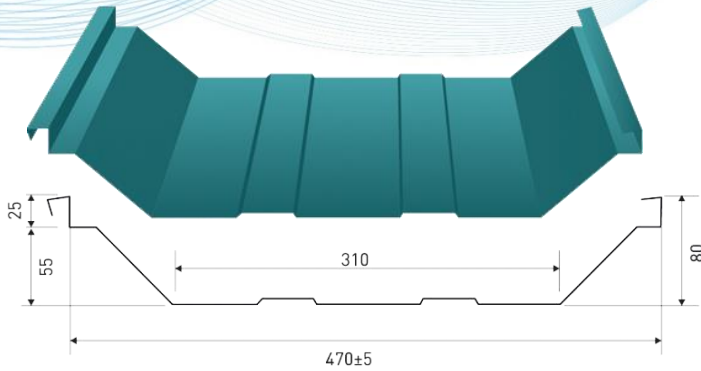
Effectivewidth (mm)				945±5	Application
Feedingwidth (mm)				1200	
Yield Strength (MPa)				G550MPa	Roof
Rib height (mm)				42	
Thickness (mm)	0.45	0.48	0.50	0.55	



TECHNIQUE PARAMETER

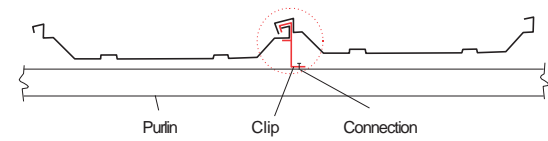
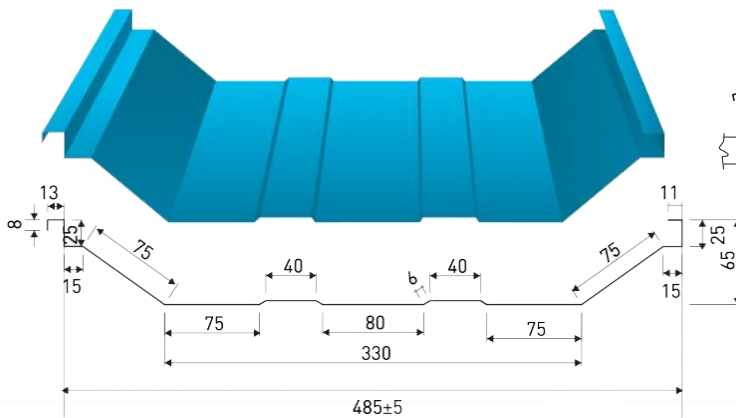
Effectivewidth (mm)				970±5	Application
Feedingwidth (mm)				1200	
Yield Strength (MPa)				G550MPa	Roof
Rib height (mm)				40	
Thickness (mm)	0.45	0.48	0.50	0.55	

ROOFING SHEET PRODUCT



TECHNIQUE PARAMETER

Effectiveness (mm)				470±5	Application
Feeding width (mm)				595	Roof
Yield Strength (MPa)				G300-450MPa	
Rib height (mm)				80	
Thickness (mm)	0.45	0.48	0.50	0.55	

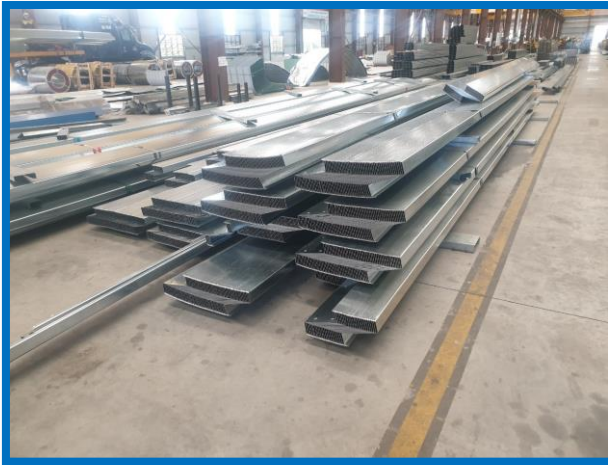
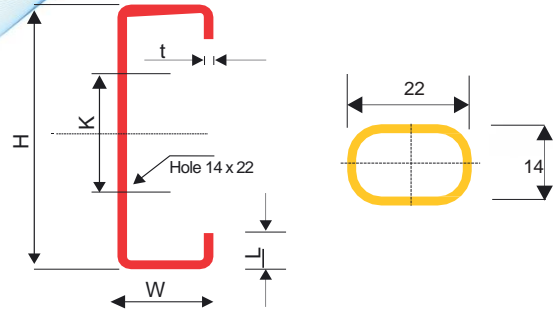
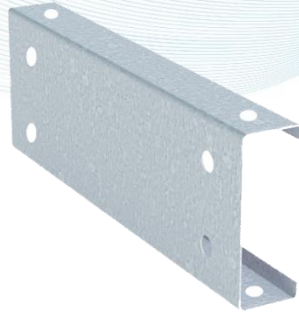


TECHNIQUE PARAMETER

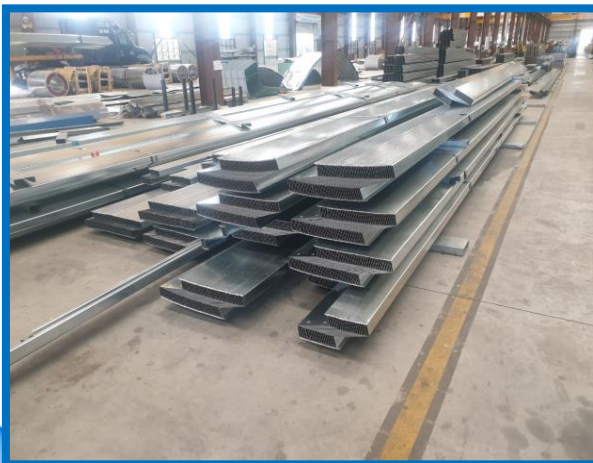
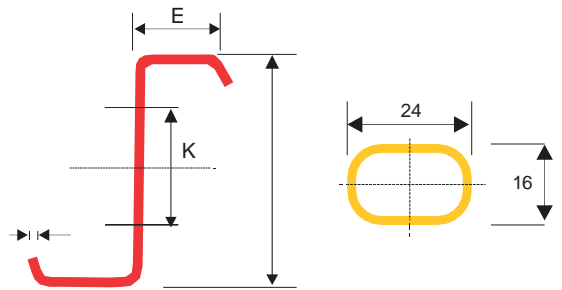
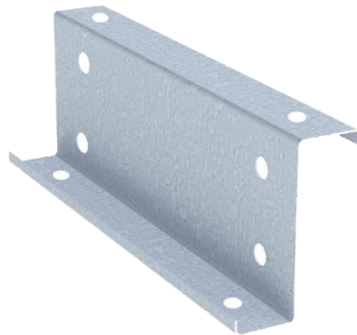
Effectiveness (mm)				485±5	Application
Feeding width (mm)				1200	Roof
Yield Strength (MPa)				G300-450MPa	
Rib height (mm)				65	
Thickness (mm)	0.45	0.48	0.50	0.55	

Z, C - PURLIN

C - PURLIN



Z - PURLIN



STEEL DECKING



ROOF CLADDING



WALL CLADDING



CLIP LICK FOR ROOF CLADDING



TRIM FOR SHEETINGS



CONNECTION BOLTS



INSULATION

COIL STEEL



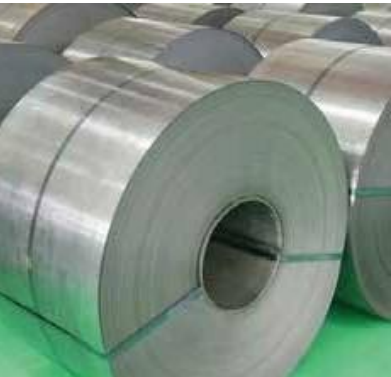
PURLIN



STEEL PIPES PRODUCT



STEEL STRIP - COIL PRODUCT



CURVED STEEL SHEET



DECKING SHEETS



SANWICH PANEL EPS



HOT ROLLED/ DIPPED GALVANIZED STEEL SHEET IN COIL



STEEL SHEET



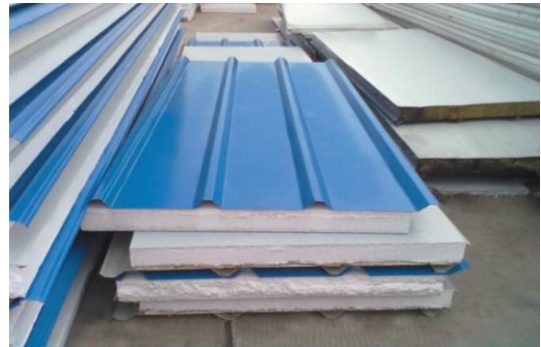
INSULATION

GLASSWOOL



Specification	Rockwool	Glasswool
Density (kg/m ³)	50, 60, 80, 100, 120, 150	10, 12, 15, 24, 32, 40, 64
Thickness (mm)	30, 50, 80, 100	25, 30, 50
Length (m)	1200	30000
Width	600	1200
Inner diameter range (mm)	600	
Fireproof	Grade A	Grade B
Damp-proof	95%	98.50%
Applied temperature range	240°C - 650°C	240°C - 350°C

PUF panel. ACME is leading manufacturer of best in class PUF Panel for use in Cold storage, Food processing industry Telecom Shelters, Defense, Living, Shelters, Clean Room, Remote area offices, Temperature control cabins, Refrigeration systems



POLYNUM



Polyethylene foam is an elastic product consisting of excellent thermal properties (with three modes: blocking heat, reflecting 97% radiant heat, convection heat), noise insulation, strong and having nice finish.

AIR BUBBLE



It is produced from polymerization processing and MDI as main ingredients they have closed cell structure. Dimension of closed cell is very small and this leads to excellent thermal and sound insulation, negligible water absorption. This properties in comparison with glasswool, air bubbles, vulcanized rubber or other insulation.

Air bubbles are made of typical polyethylene bubble wraps sandwiched between two layers of pure aluminum. The light silver surfaces reflect radiant heat while the bubbles prevent heat conduction and support fast heat emittance. Besides, the bubble wrap system blocks sound waves, simultaneously gets rid of reflective sound waves due to the hill surfaces and uneven shapes.

Contact Info

Aspire Steel International Co., Ltd

Head Office: 53/2/11. Street 12, Ward Hiep Binh Chanh,
Thu Duc City, HCMC, Vietnam.

(+84)28-73003627

Email: info@aspiresteel.com Website: www.aspiresteel.com

Factory:

D02 Street , Chau Duc Industrial Area, Nghia Thanh, Ba Ria Vung Tau, VietNam

Representative offices:

1. Philippines:

Wmcabardo Engineering And Consulting, Rizal Ave., Zone III, Digos City,
Davao Del Sur 8002, Philippines

Contact: +63-91-8945 1016 - Mr. Woody Cabardo

2. Myanmar:

Ideal Engineering & Construction CO., LTD. No 21, First Floor Thandadar
Street, Sanchaung Tsp, Yangon, Myanmar

Contact: +95-9518 4947 – Aung Myin

3. Malaysia:

Winning Management Services, No 40. Jalan Seri Cheras 10, Taman Seri
Cheras, 43200 Cheras, Kuala Lumpur, Malaysia

Contact: +60-12-2080 320 – Mr. Murugayah Yelumalai