HULAS GROUP

THE FUTURE OF FASTER AND RELIABLE CONSTRUCTION IS HERE

Quality Pre-Engineered Steel Buildings and Structures

#JamanaInfrako

PRE-ENGINEERED STEEL BUILDINGS AND STRUCTURES

HULAS INFRA

जमाना इन्फ्राको

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PRE-ENGINEERED STEEL BUILDINGS AND STRUCTURES

HULAS INFRA

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↗ MISSION

Hulas Infra aspires to be the preferred partner of steel building users as their consultants and contractors. We give value for money by prompt delivery of high quality buidings, supported by accurate engineering design through our investments in people, technology, and manufacturing capacity.

↗ VISION

To be one of the world's most reliable and innovative manufacturers, service, and solution providers in the Pre-Engineered Building (PEB) with customer service and experience at our heart.

↗ IMPORTANCE OF PEB IN NEPAL

Pre- Engineered Building (PEB) is not entirely a new concept in Nepal but it is only emerging as one of the most sought out and popular building technologies after the 2014 earthquake.

Pre- Engineered Building (PEB) is slowly gaining momentum in Nepal as it has a lot of benefits compared to the traditional construction methods. It is 30 to 40% faster than traditional construction and provides a good insulation effect that makes it highly suitable for construction in remote and hilly areas like Nepal.

Looking into the time frame of a tight project schedule,Pre- Engineered Building (PEB) structures can deliver quality, aesthetic and structural flexibility and ultimately promote the usage of steel over concrete.

The other advantage of the Pre- Engineered Building (PEB) structure in Nepal is that these structures can reduce carbon dioxide emissions which minimizes pollution. All these qualities make this building technology the most appropriate in Nepal.

↗ WHY HULAS INFRA FOR PRE- ENGINEERED BUILDING (PEB)

We are one of the most innovative and forward-thinking companies in Nepal that provide modern building solutions to residential, commercial and industrial sectors, since our inception, we are the leader in the Nepali construction sector that specializes in modern Pre-Engineered Building (PEB) solutions.

Committed to delivering quality work, innovation, and customer satisfaction, we are continuously fuelled by the long -term vision carried forward by a highly committed team of professionals.

We have a track record for being customer-centric and cost-effective solutions for steel and pre- engineered buildings that are manufactured to the highest quality standards, and a dedication to providing world-class services to the customer in Nepal.

Our commitment and dedication to this industry make us not only an excellent service provider with unmatched product quality but also a company that prioritizes a safety-first approach.

We specialize in applications such as warehouses, commercial buildings, heavy industries, factories, oil and gas structures, towers and bridges. As the customer is at the core of our functions,we go the extra mile to meet our customer's needs and relish their vision into reality which makes us the number one choice for modern building solutions.

↗ COMPANY PROFILE

Hulas Infra is one of the most emerging companies in Nepal in the segment of Pre-Engineered Building (PEB). We have been on the steep trajectory of market leadership in terms of quality work, volume ,and customer satisfaction by investing in people and technology. The growth is continuously fuelled by a long-term vision of company leadership carried forward by a highly committed team of professionals.

We, offer full turnkey solutions that include design, engineering,manufacturing, and supply in Pre-Engineered Building (PEB). We have a full-fledged Design and Engineering group working from the premises of our corporate Office located in Kathmandu. Whereas our factory has the facility to fabricate all the components of standard PEB.

Hulas Infra offers Turnkey solutions to their clients in the Design, Engineering Manufacture, supply and competition of Pre-Engineered Building (PEB).

The factory deals in Built Up and Hot Rolled Sections as well as Roll Formed and press cold Formed Sections including sheeting. We thereby address the full requirements of Pre-Engineered Building (PEB) including accessories. Apart from buildings or Industrial structures.

We have established a wide clientele across Nepal and have earned the reputation of being a high end and dependable Pre-Engineered Building (PEB) Manufacturer. The Pre-Engineered Building (PEB) being supplied by us serve various building categories such as factory buildings warehouses, administrative complexes, Showrooms, and auditoriums.

Our Pre-Engineered Building (PEB) cater to special requirements such as applicable to air-conditioned premises, sound control,hygine environment, fireproof rating for the structures, rust resistant protection, insulation and liner for controlling heat, ventilation requirement through natural ridge ventilators or turbo vents, natural lights via translucent panels, enable colleteral loads to be loaded on the roof members, overhead cranes (Even of high capacity).

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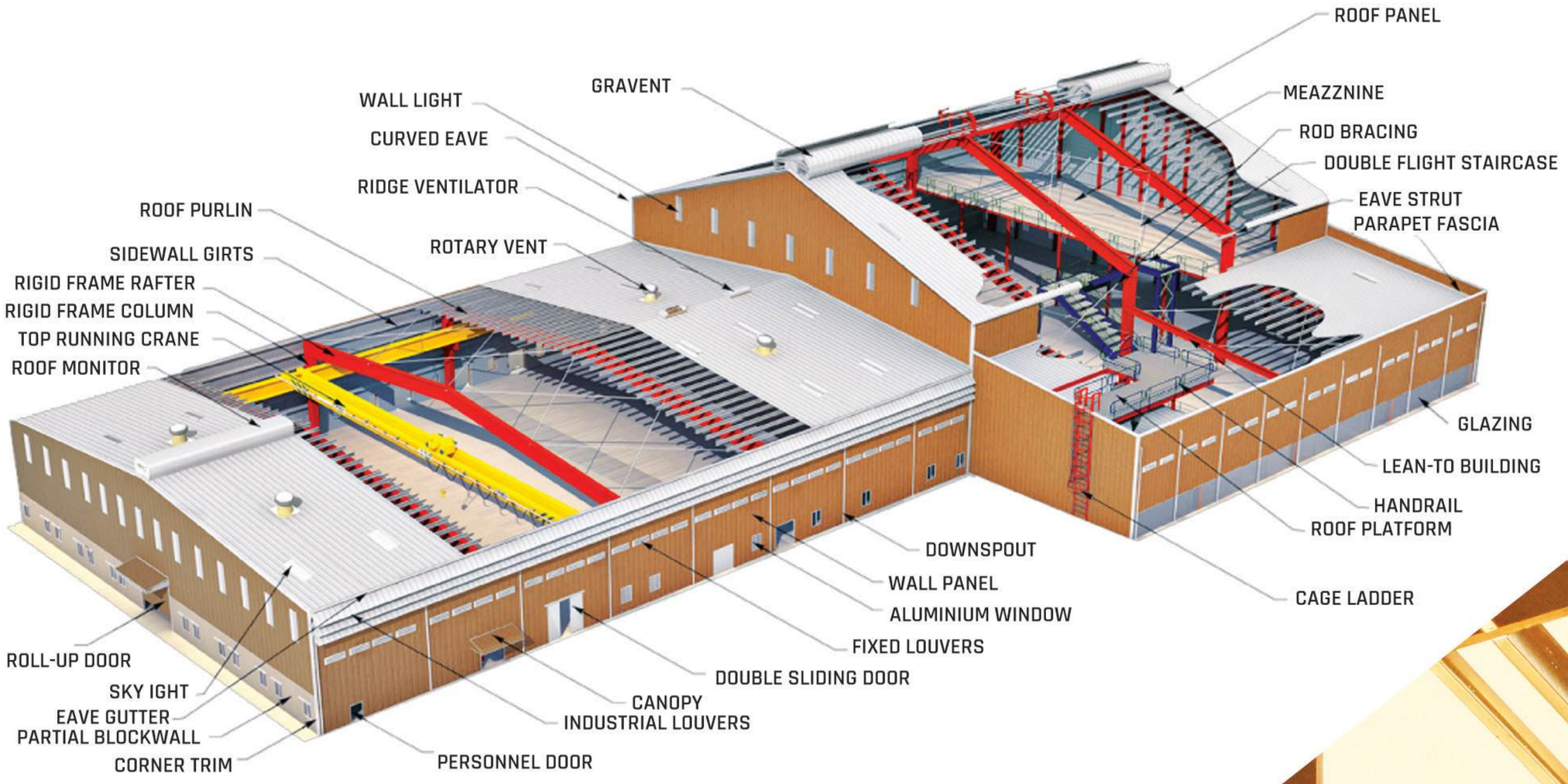
↗ HULAS INFRA PRE-ENGINEERED BUILDINGS (PEB)

Pre-Engineered Building (PEB) are designed and fabricated to meet clients requirements and under universal standards. Pre Engineered Building (PEB) consists of four important components, primary members, secondary members, metal roof/cladding system and connection fasteners. These components are designed in a way that they are compatible with each other. The fabrication of these components is carried out in the factory under strict quality control as per detailed shop drawings. These components are transported to the site with proper markings and assembled at the site as per erection drawings.



↗ SALIENT FEATURES

Uses high-strength steel plates having a yield strength of 345MPa (i.e grade 50) for fabrication of primary members like columns,rafters, beams,etc. Hence structure becomes light and economical.

Uses tapered beam sections concept. Thus ensuring the right amount of structural steel at the right place.

Built-up sections are made from HR plates with a submerged arc welding process in an automatic welding machine in a factory.

Uses Cold Formed either galvanized or non- galvanized sections for secondary members.

Uses metal color coated material for roof sheets and cladding which are durable and aesthetically good-looking.

Columns free buildings with longer spans.

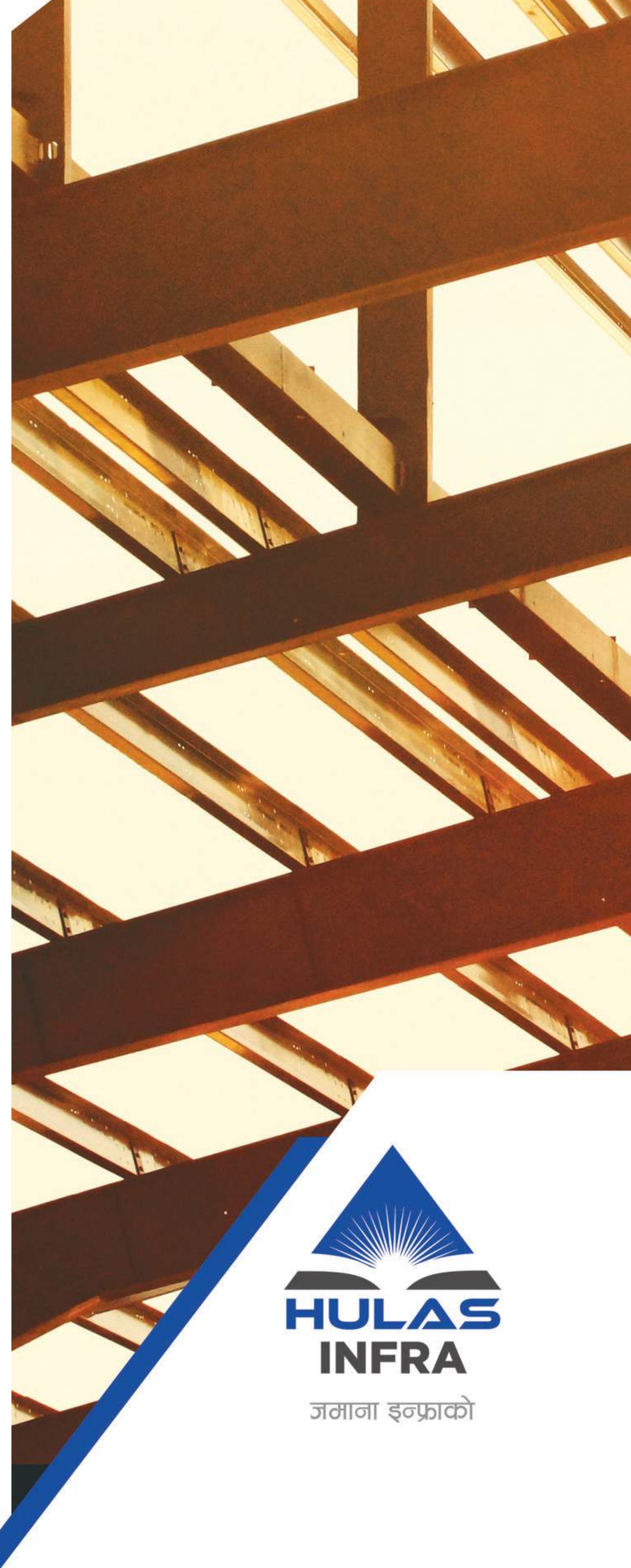
Buildings with mezzanine/cranes with different functional requirements.

Speedy and planned execution drastically cuts down time and costs of projects.

Design that provides structurally stable PEBs using universally accepted codes and guidelines.

Special building components like skylights, ridge ventilators, sliding doors, windows, room curbs, etc can be supplied and installed.

Insulation to maintain temperature under control.



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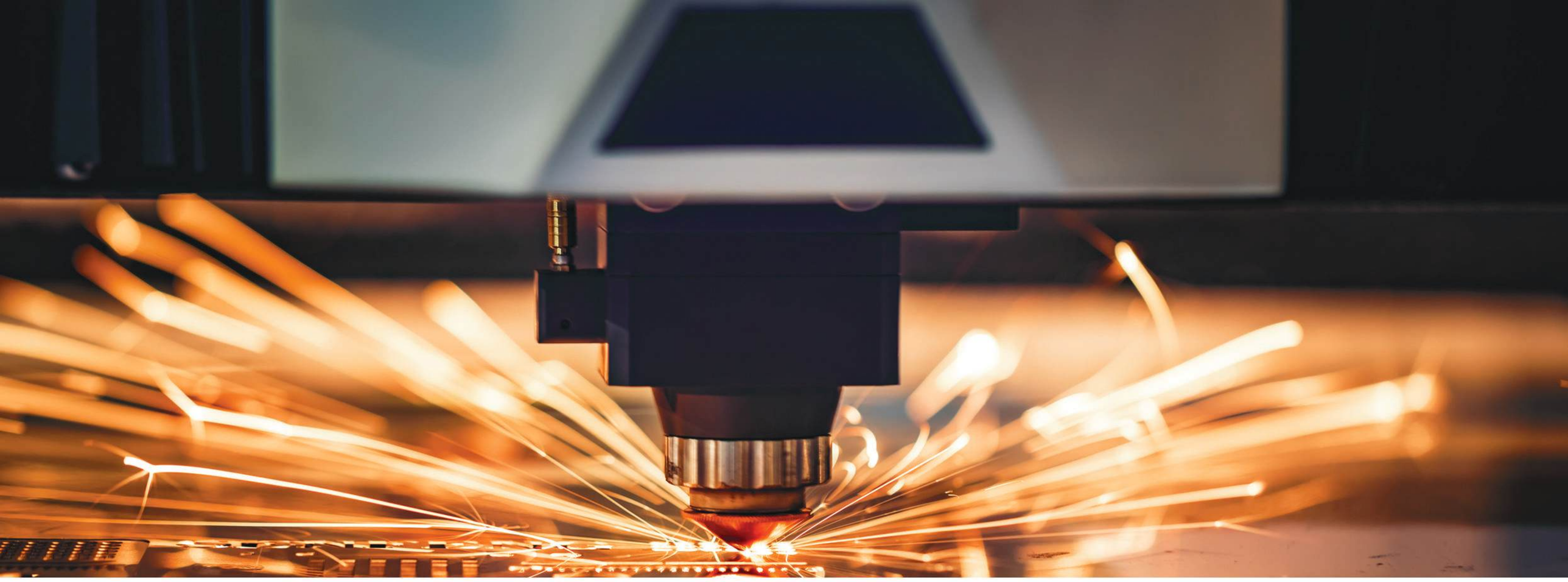


↗ MANUFACTURING FACILITY

We are headquartered at Aamir Bhawan, Kamaladi Ganeshthan, Kathmandu with a state-of-the-art manufacturing facility at Bindabasini, near Birgunj, Nepal across a sprawling area of 30000 sqm.

The Operation Department stationed at the corporate office provides the planning and contractual inputs to the factory ranging from 3-month schedule for production, raw materials procurement/purchase plans, engineering status and fabrication drawings apart from customer support and quality assurance.

The factory manufactures international quality building system components such as Columns, Beams, Purlins, Sheeting, and Secondary Structural Items meant for Warehouses, Factories, Shopping Malls, and Airports.

The QA/QC Department in the factory has set process and product performance parameters for various machinery to ensure process control and product. We have a standard inspection protocol and quality assurance plan (QAP) for each project and can establish the same specific to projects as well as according to contractual requirements.

↗ FEATURES

It houses special equipment to produce quality Pre-Engineered Buildings (PEB) such as:

- DOWN-TAKE FORMING MACHINE
- CNC DRILL MACHINE
- SHEET CRIMPING MACHINE
- CNC BENDING MACHINE
- COLD ROLL FORMING LINES
- HYDRAULIC PUNCHING AND DRILLING
- SHEARING MACHINE
- CNC PUNCHING MACHINE UP TO 25 mm
- BENDING MACHINE
- RADIAL MACHINE
- COMPRESSOR
- AIRLESS PAINTING GUN MACHINE
- ELECTRICAL WEIGH BRIDGE
- ARC WELDING MACHINE
- MIG WELDING MACHINE
- HEMMING MACHINE FOR FLASHING
- CHASER MACHINE / THREADING MACHINE
- HIGH SPEED BANDSAW CUTTING MACHINE
- PREHEATING ELECTRICAL OVEN

The welding process is as per American welding society Standards (AWS).
Our welders are qualified for the required standards.

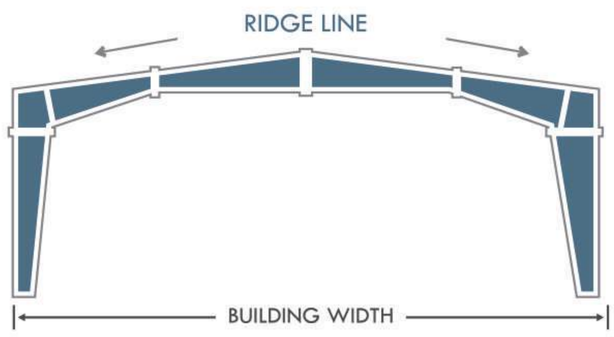
Well defined process on the shop floor ensures smooth flow of materials and productivity.

All structural components to complete Pre-Engineered Building (PEB) are produced in house and go through stringent quality checks prior to despatch.

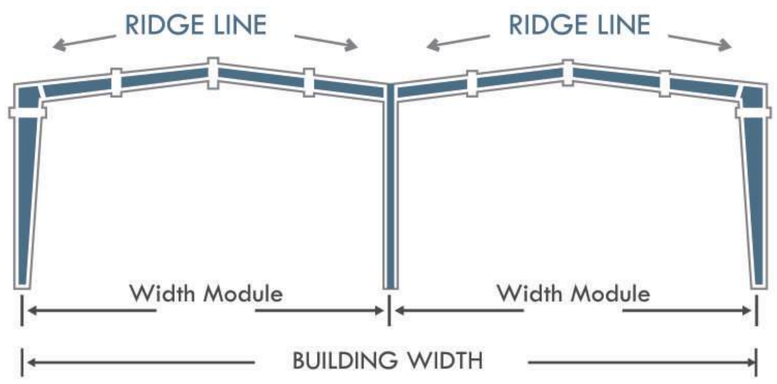
All major raw materials and bought out items are sourced from a panel of approved suppliers to ensure quality and timely supplies.

↗ STANDARD FRAME TYPES

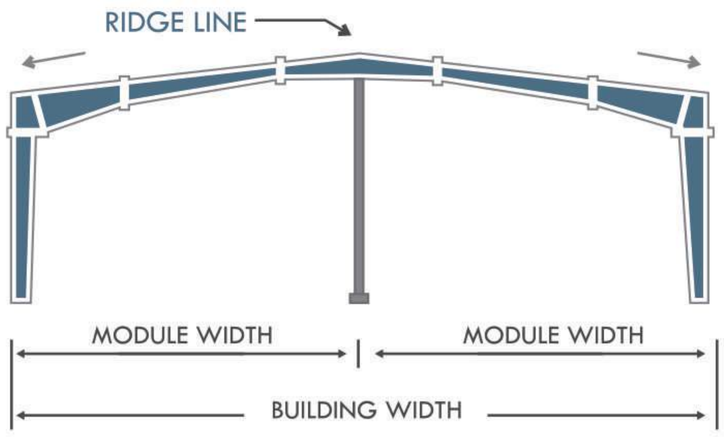
Tapered Column Clear Span (TCCS)



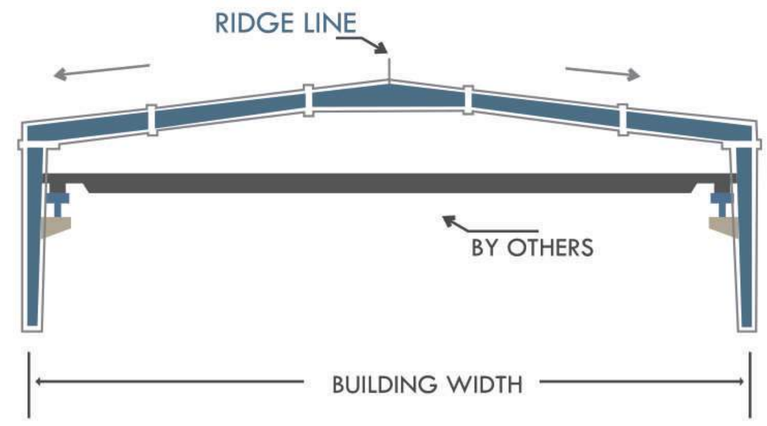
Multi Gable (MG) I / II



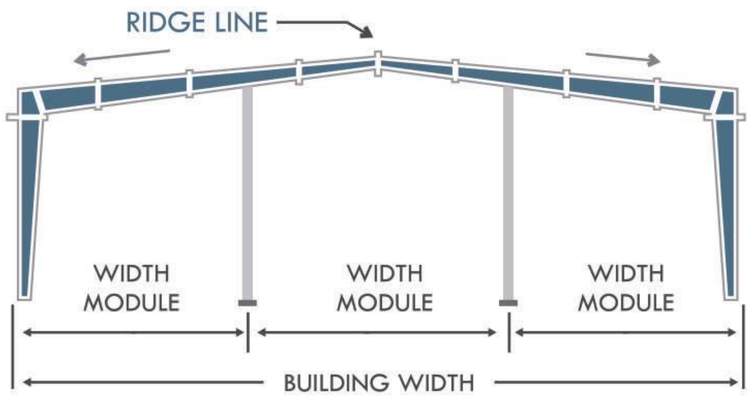
Multi Span I



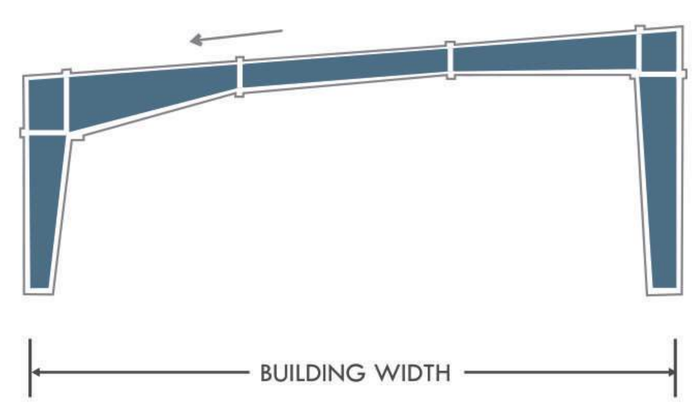
Clear Span with Crane



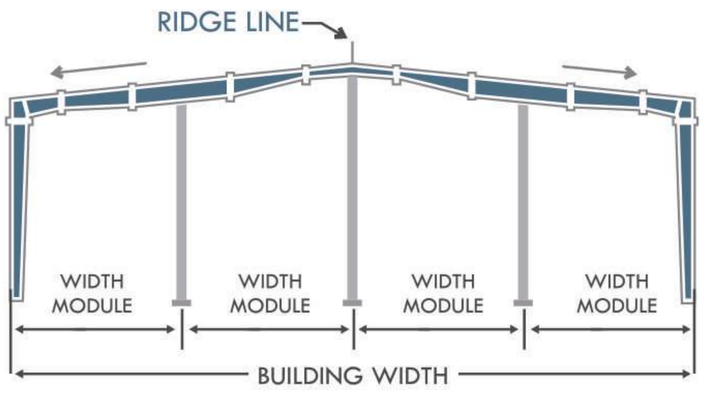
Multi Span II



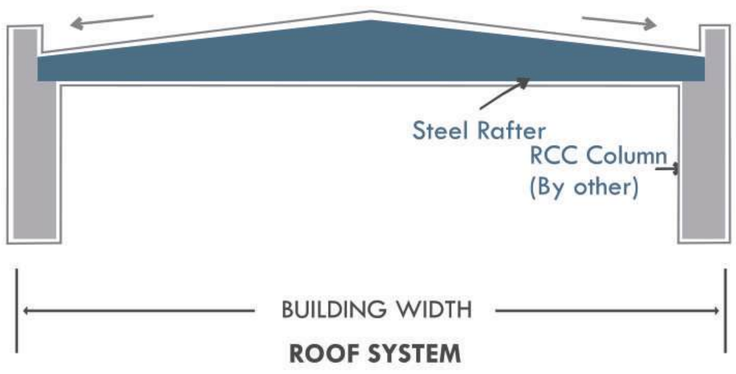
Mono Slope



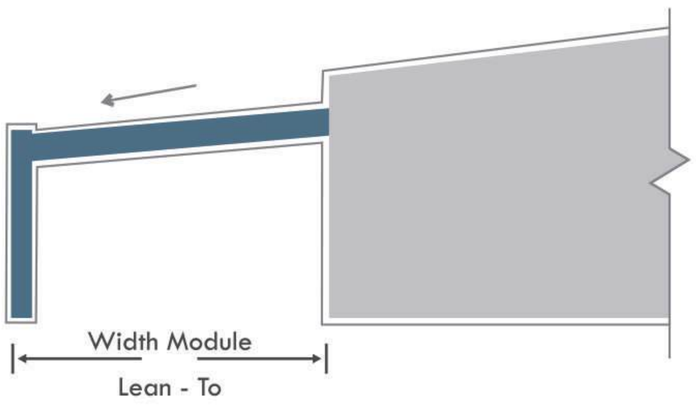
Multi Span III



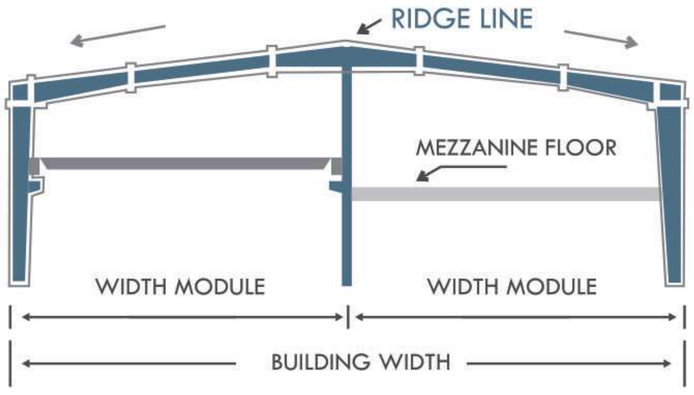
Rafter System



Lean - To



Multi Span I with Crane & Mezzanine

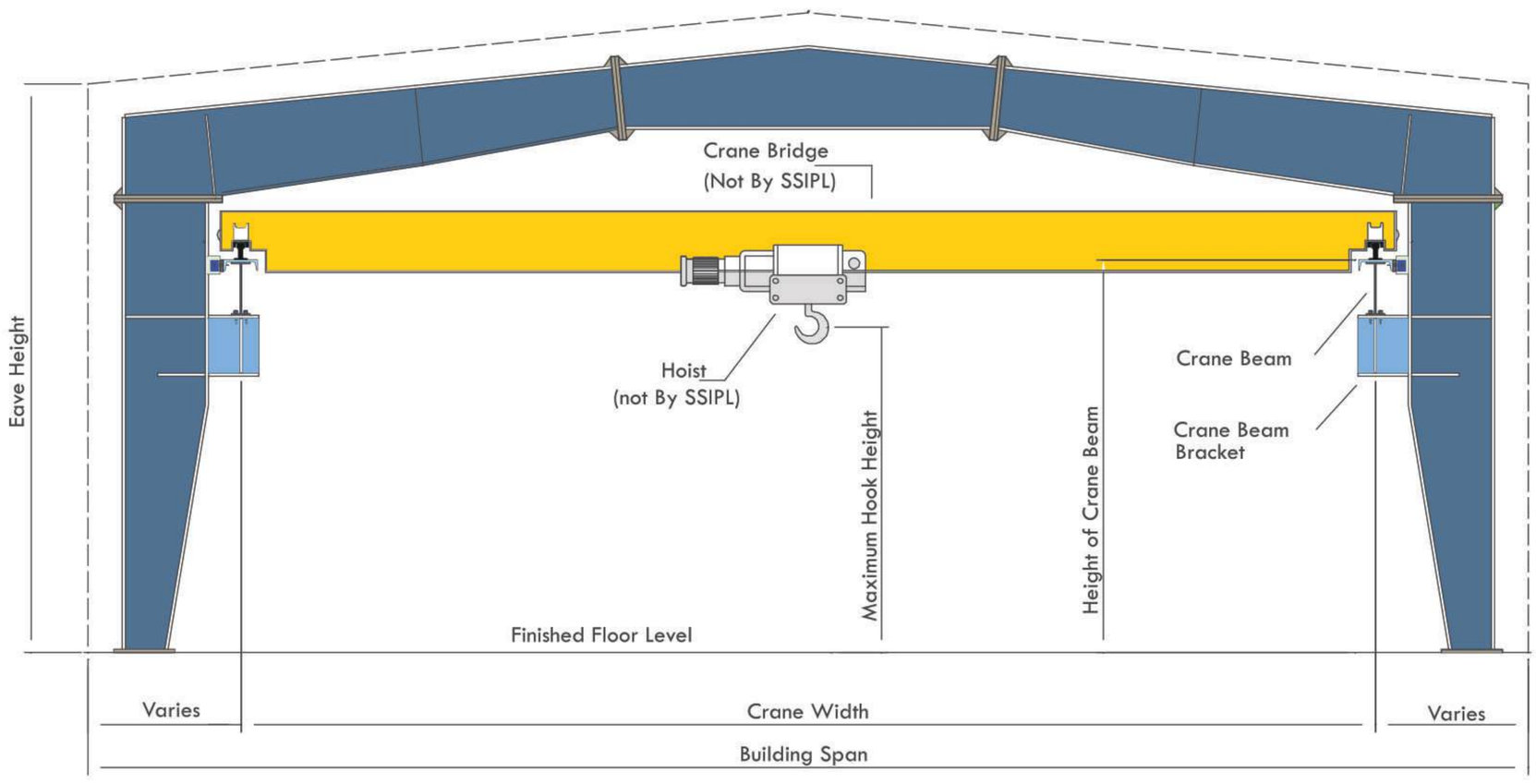


↗ CRANES

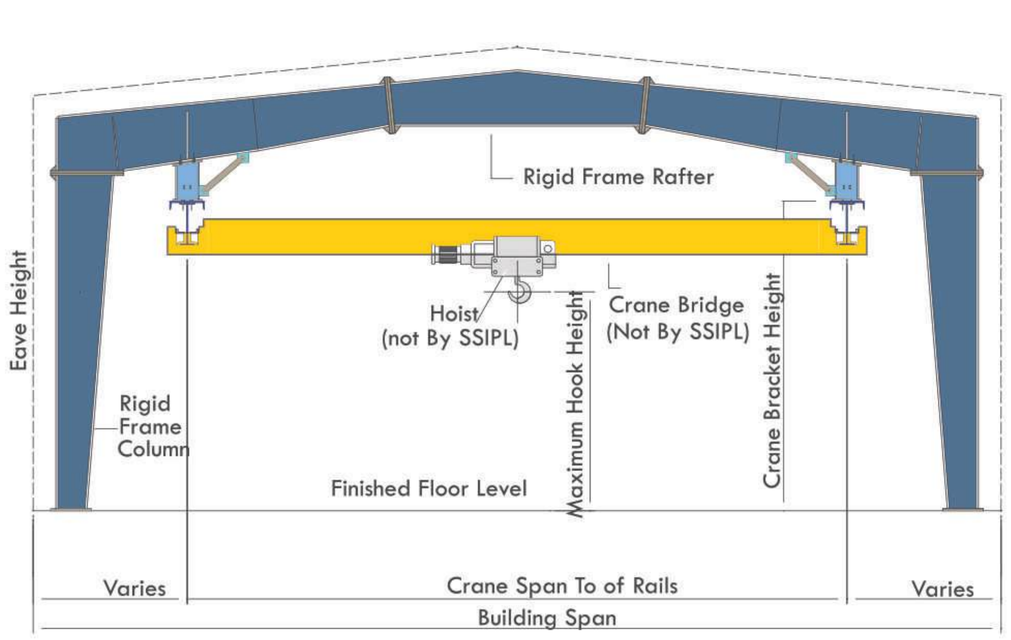
We include Columns, Rafters, Brackets, Crane Runway Beams and Lateral Ties to support the crane system. We request the customer to provide required information from the crane manufacturer to design and estimate buildings with cranes.

The most common types of crane systems in Pre-Engineered Building (PEB) are:

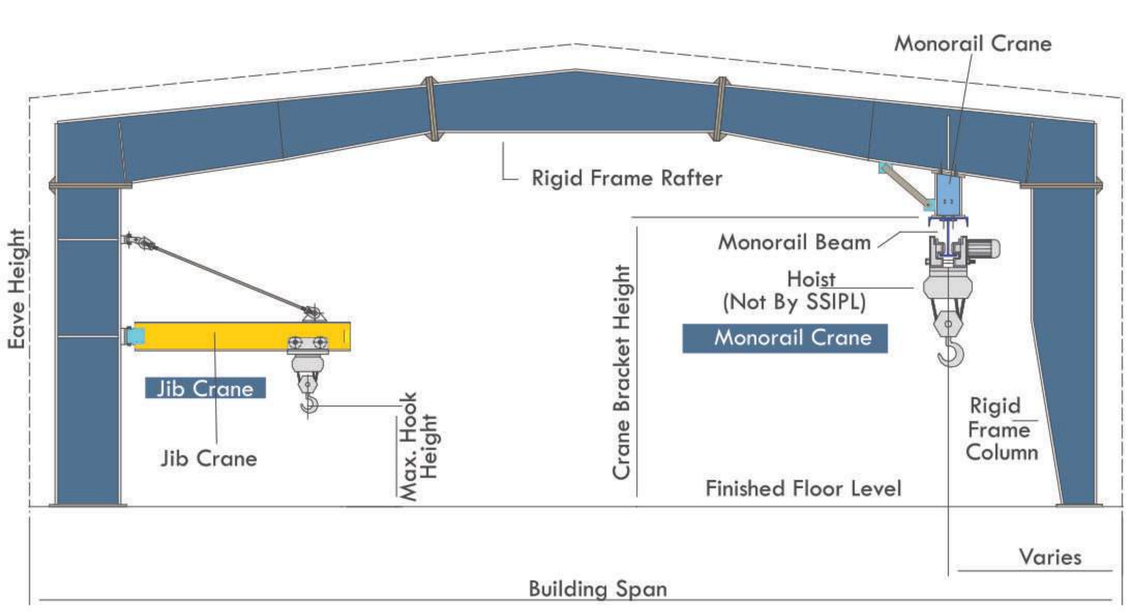
Top Running Crane Along Building Length



Underhung Crane



Jib Crane and Monorail Crane



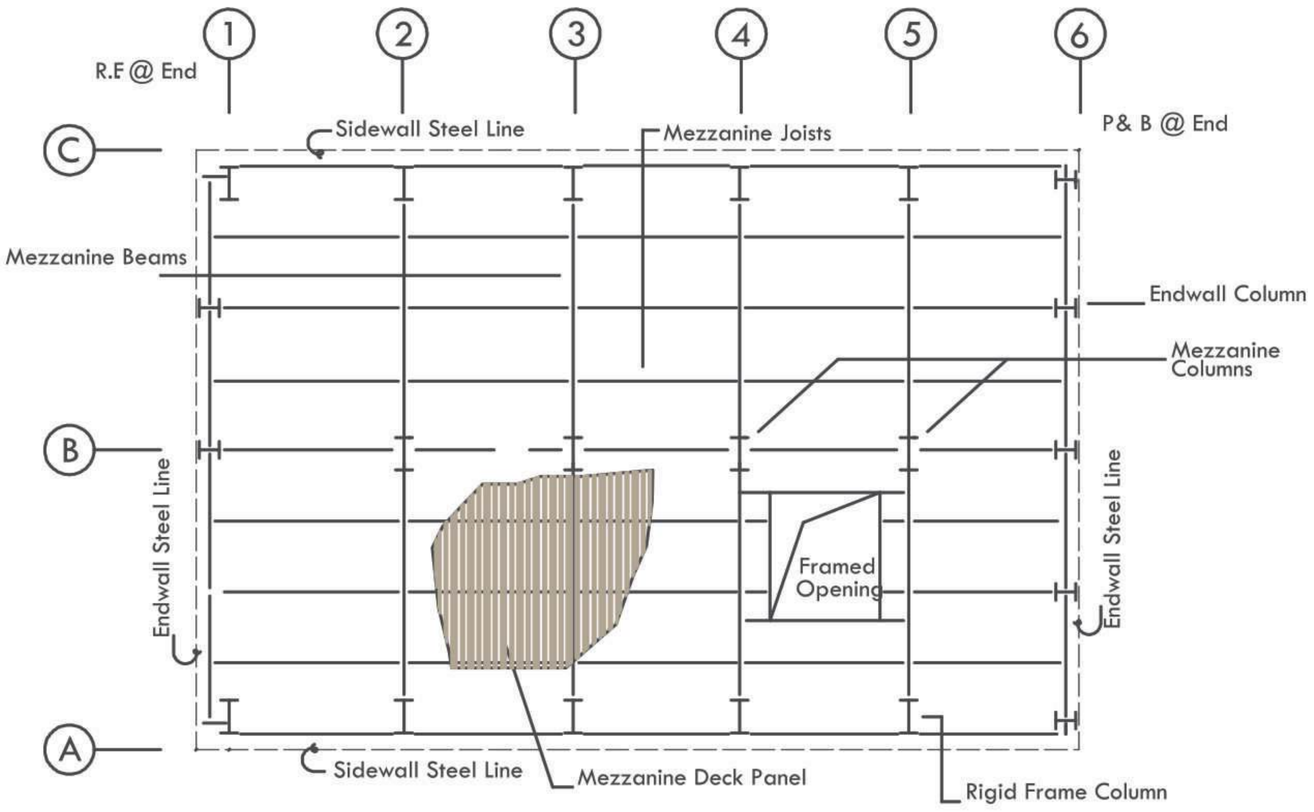
↗ MEZZANINE SYSTEMS

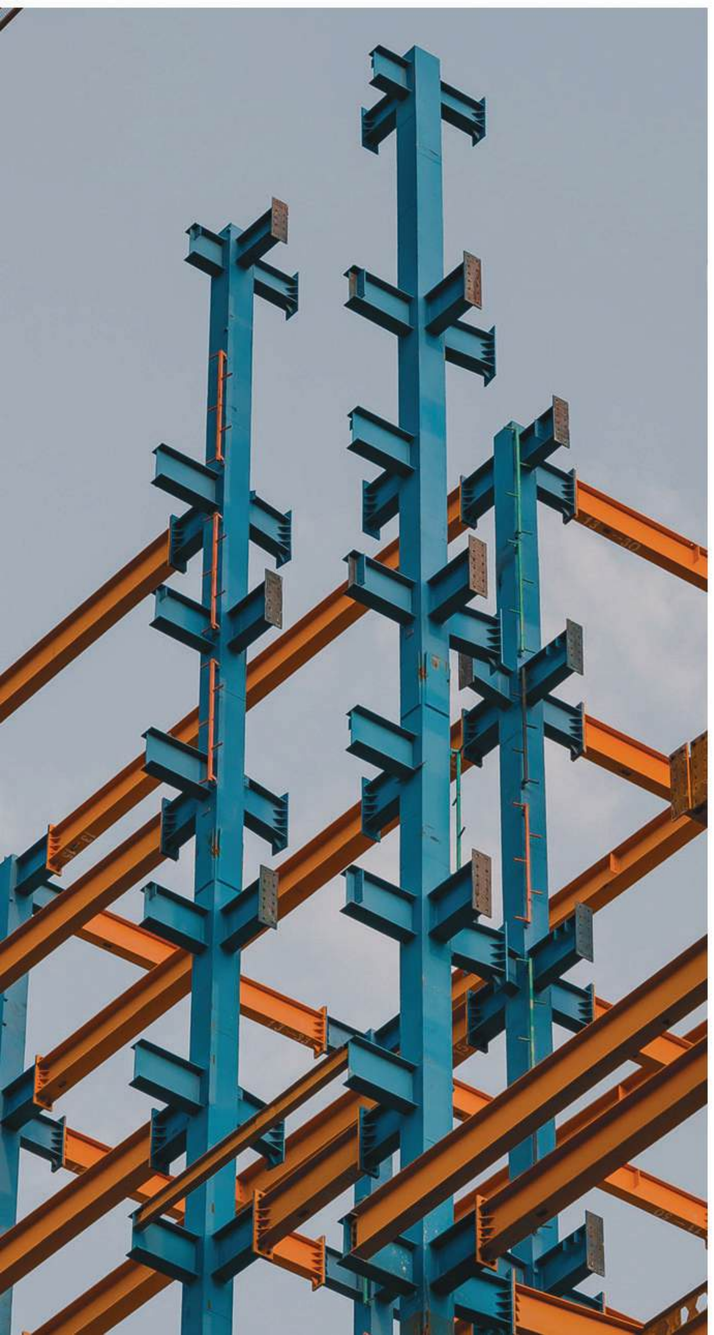
The standard mezzanine framing system consists of a steel deck supported by joists and main mezzanine beams. If required by design loads, the main beams shall also be supported by intermediate columns. The top flange of the joists fit at the same level of the top flange of the primary beams.

The embossments on the top and sides of deck sheet ribs provide added grip and minimize slip by creating a bond with concrete as done with normal reinforcement.

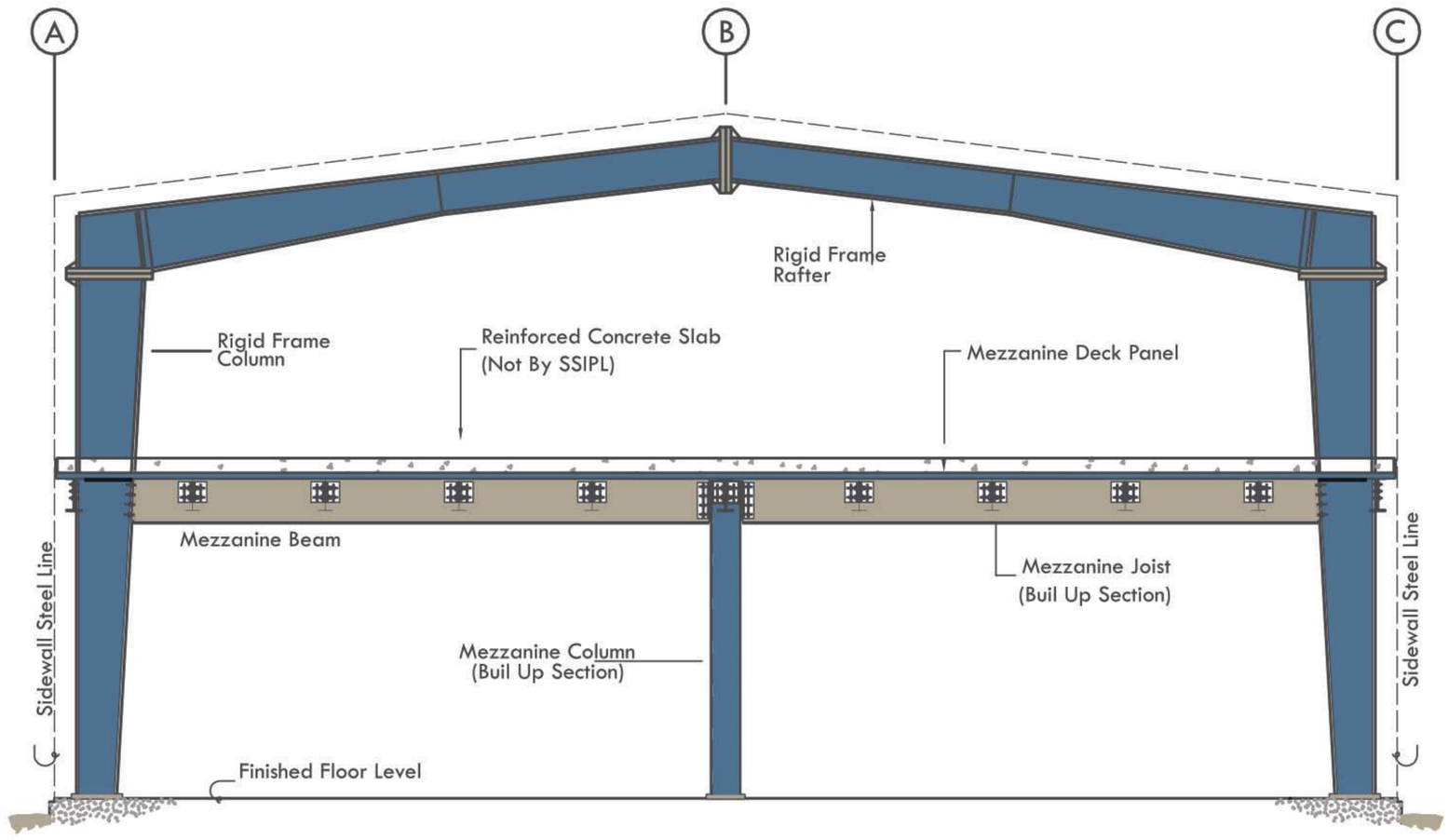
It provides permanent formwork as well as positive reinforcement. No erection, gremoval, handling or storage of timber/steel formwork as in conventional concrete slab construction, saving valuable time. Clean, uniform attractive and ribbed underside (soft fit) for exposed situations reduces the cost of ceiling finishes. Deck Sheet is provided for suitable load on the floor and covered with concrete.

Mezzanine Plan





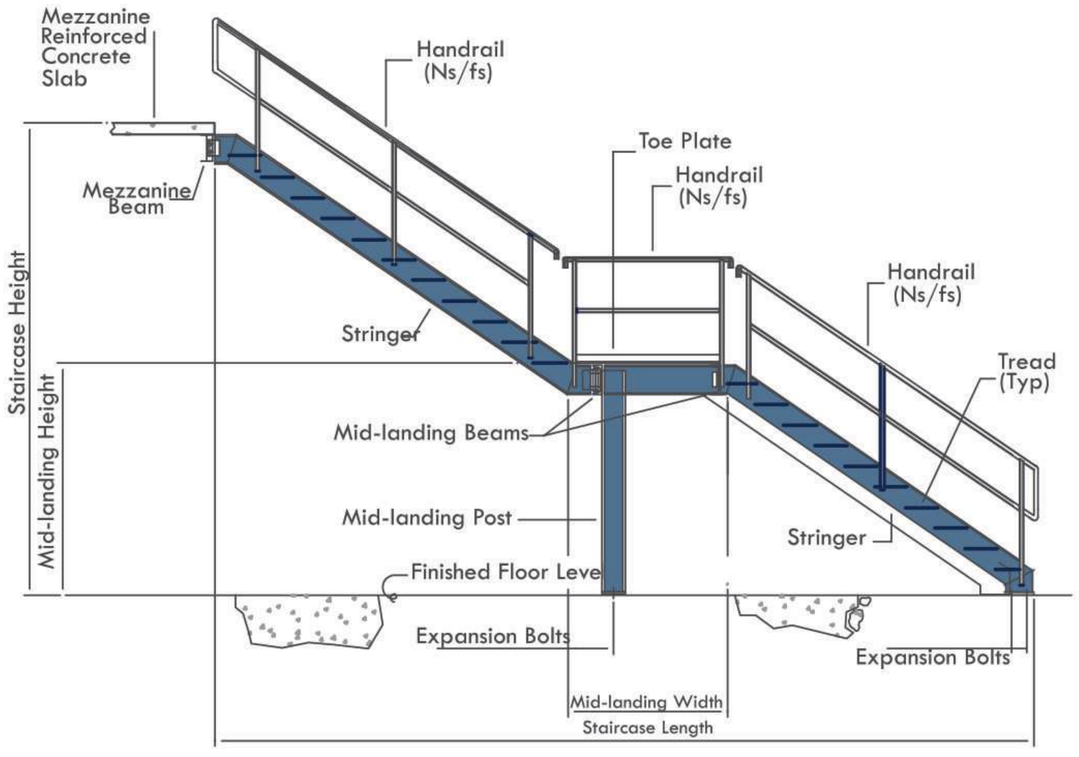
Mezzanine Cross Section



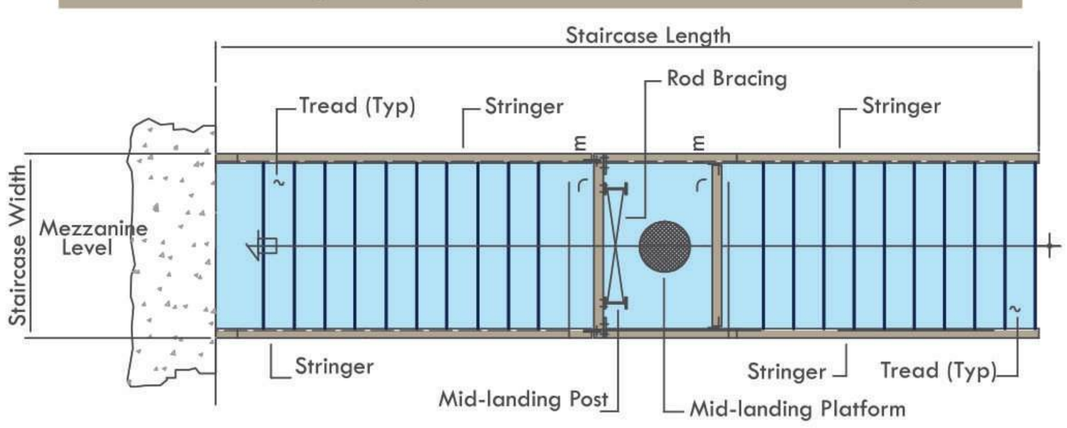
↗ STAIRCASE DETAIL

Single Flight Staircase

Elevation: Single Flight Staircase with Mid-landing

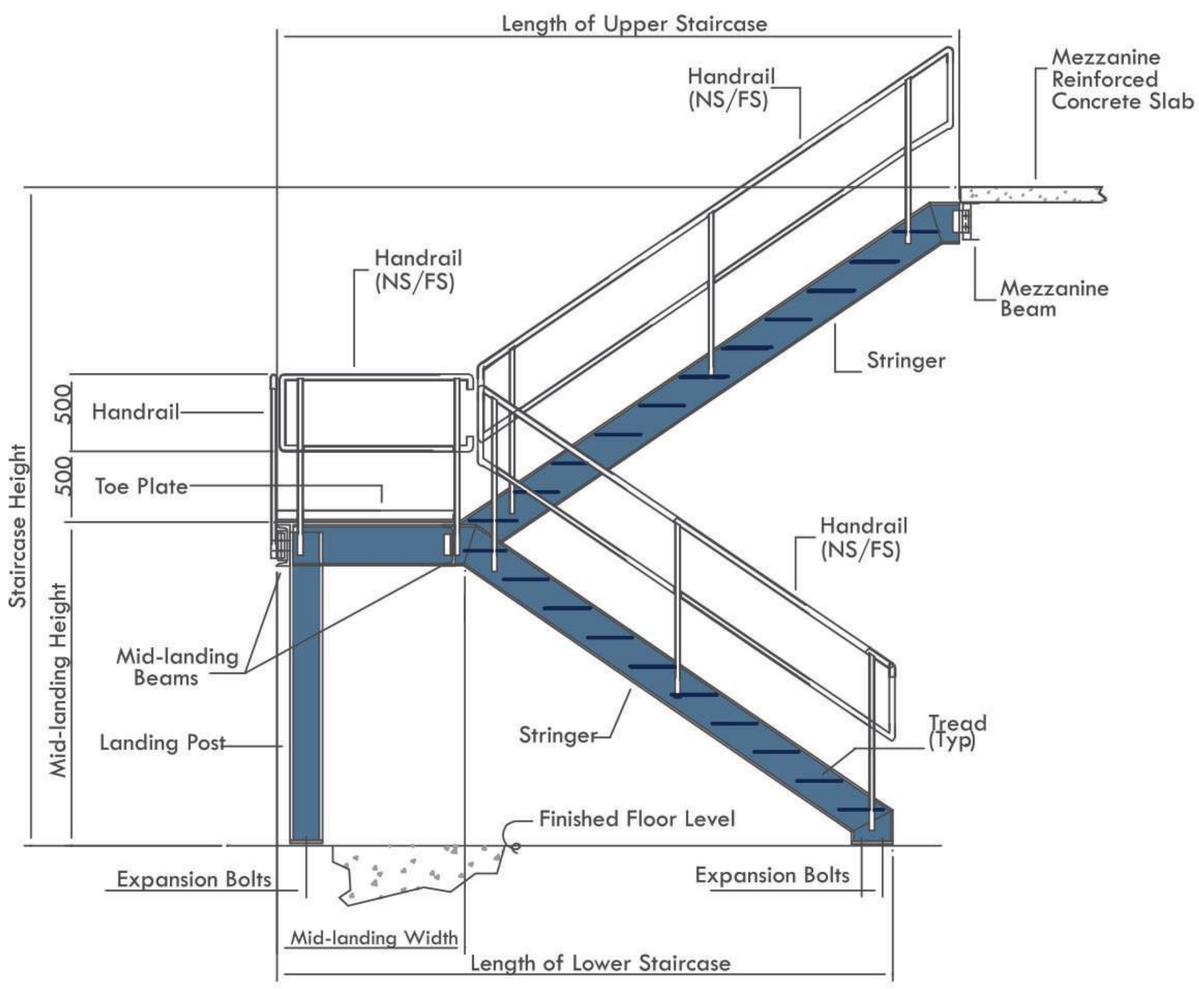


Plan: Single Flight Staircase with Mid-landing

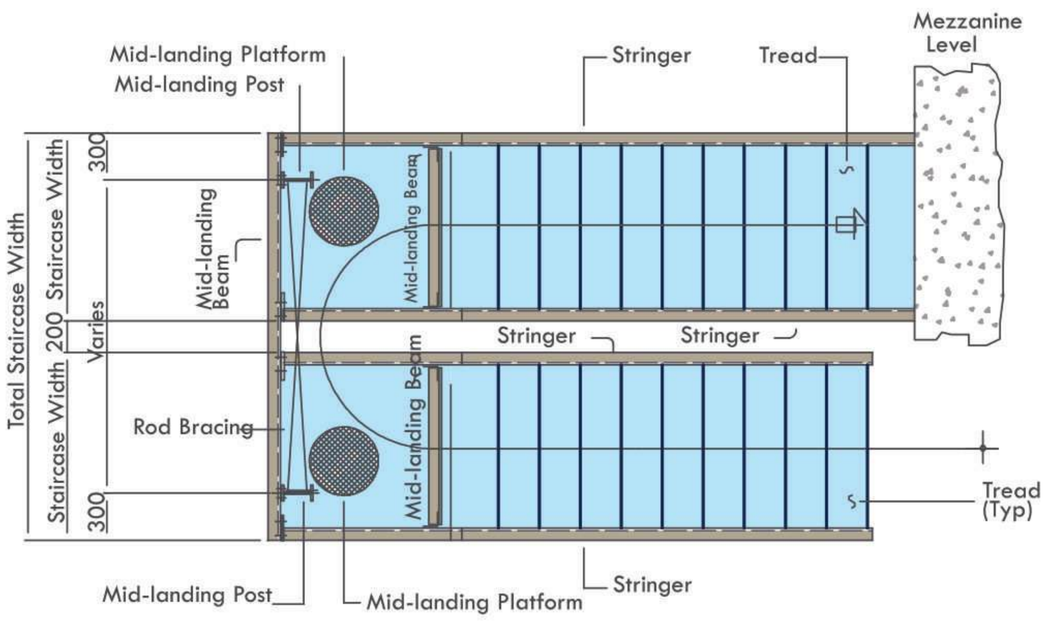


Double Flight Staircase

Elevation: Double Flight Staircase with Mid-landing

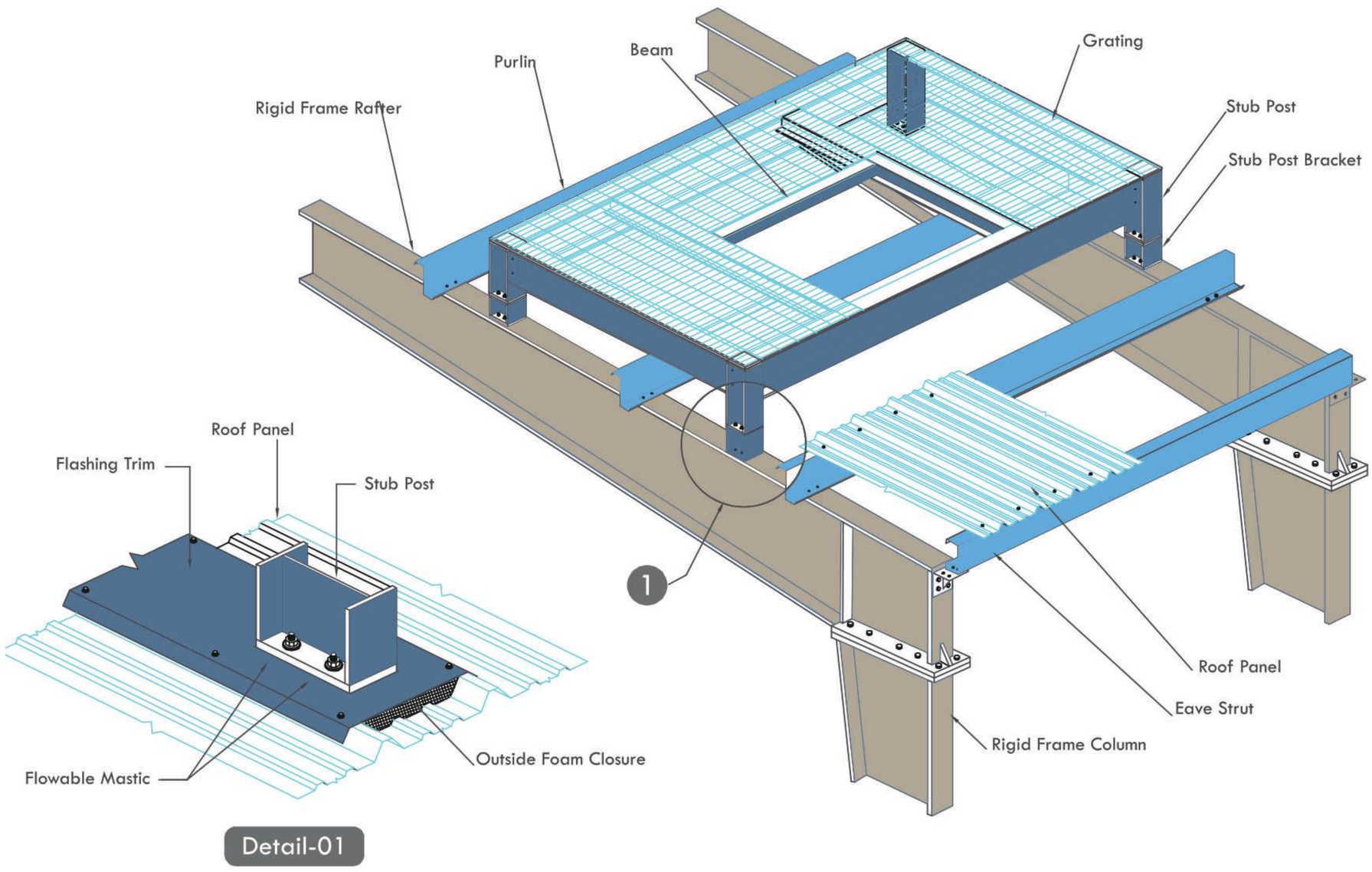


Plan: Double Flight Staircase with Mid-landing



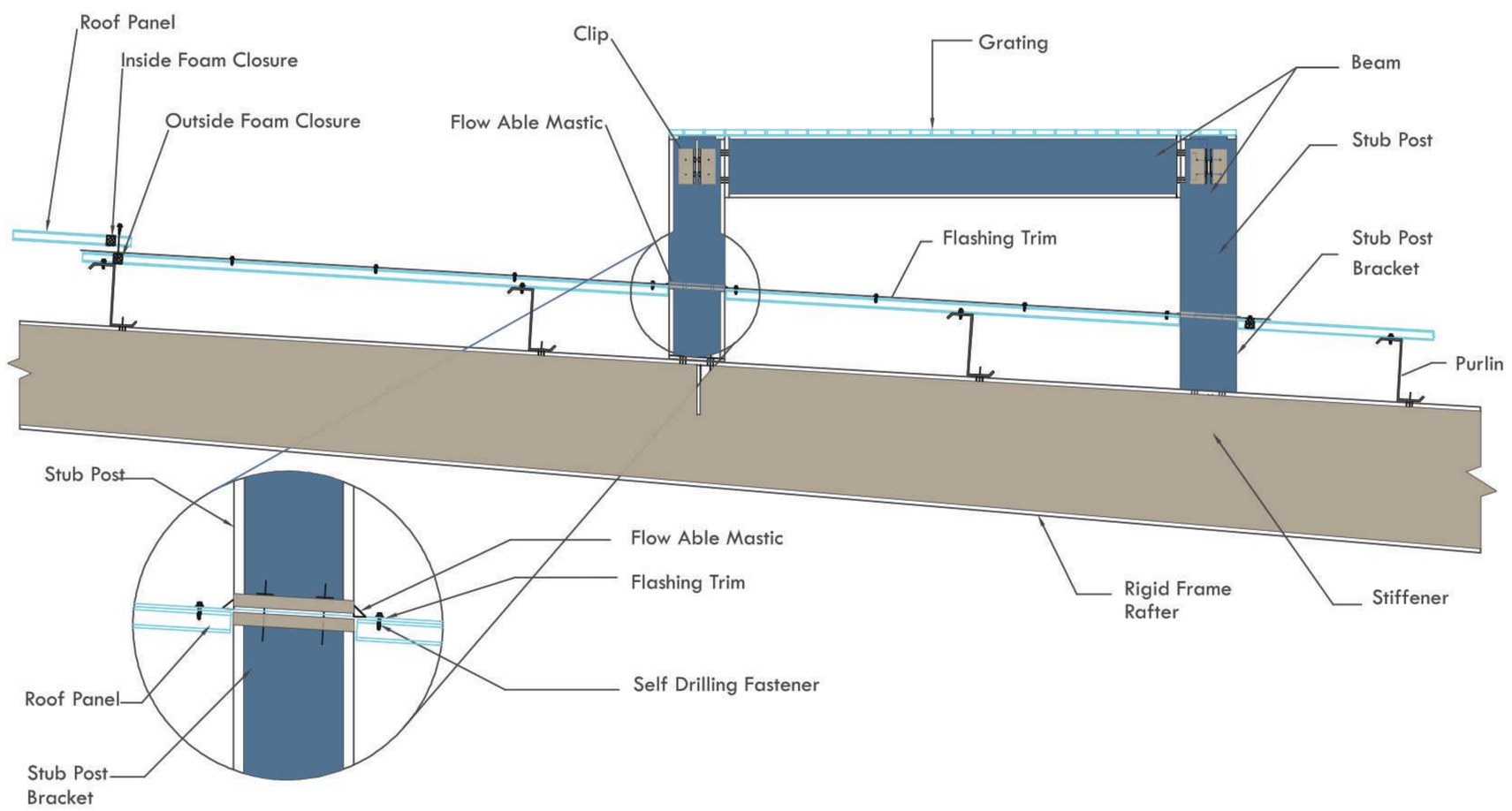
↗ ROOF PLATFORM

Typical Roof Platfrom



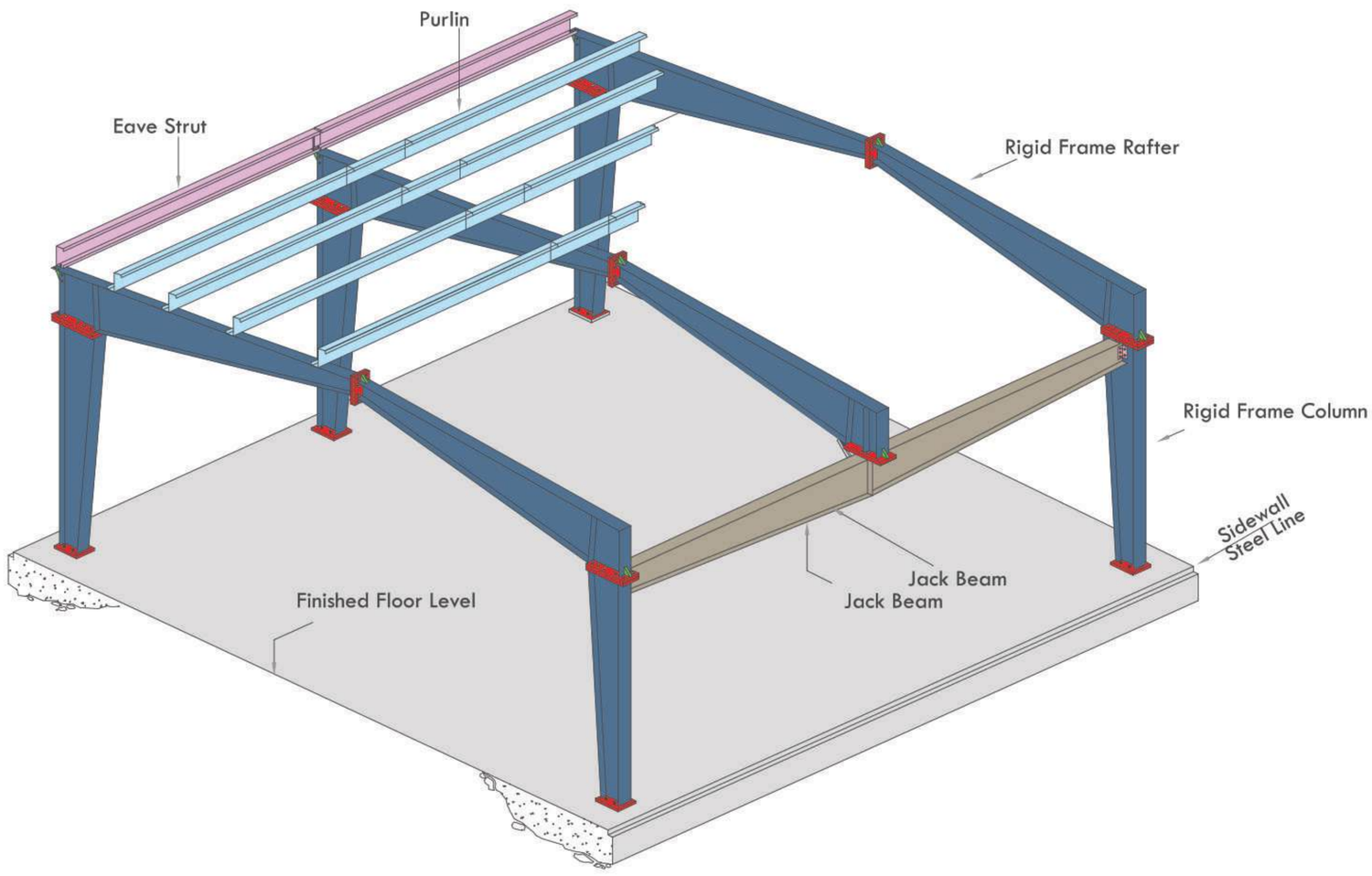
Detail-01

Section of Typical Roof Platfrom

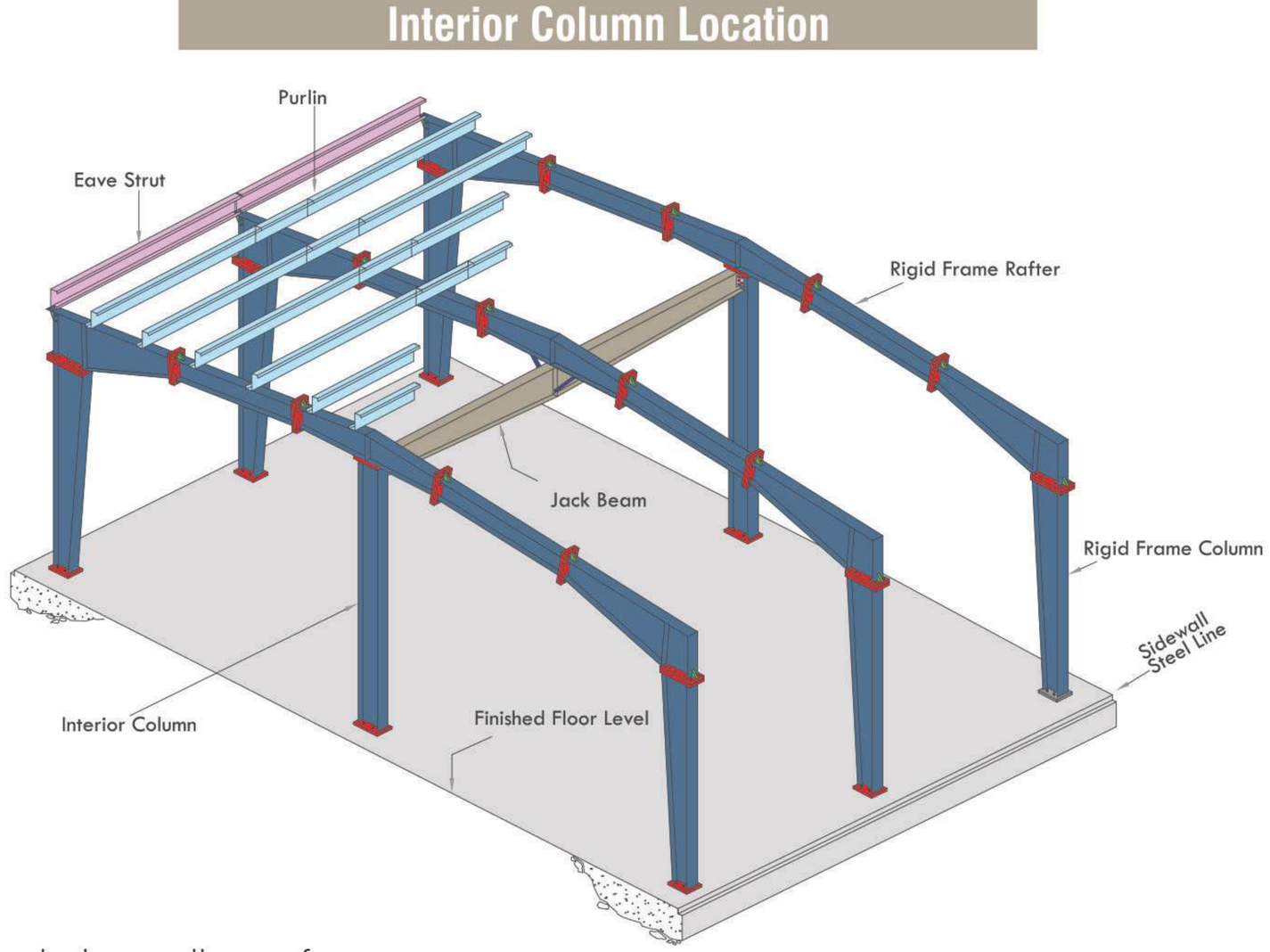


↗ JACK BEAM

ISOMETRIC: Jack Beam at Sidewall



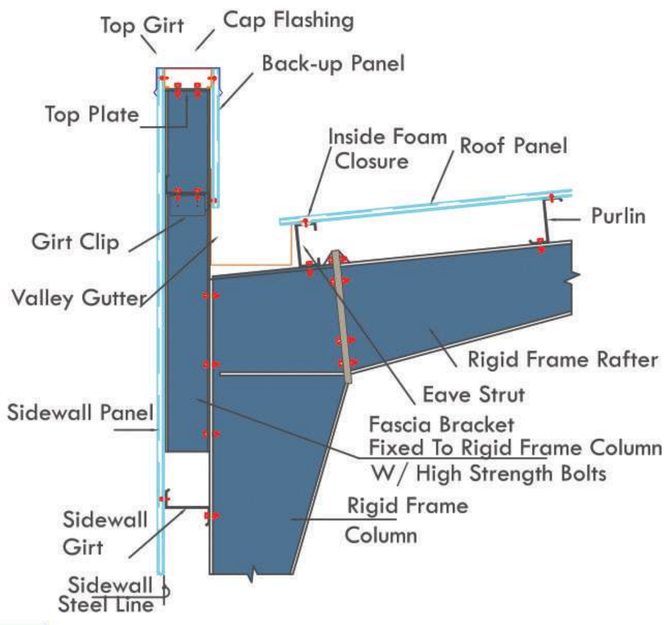
ISOMETRIC: Jack Beam at Interior Column Location



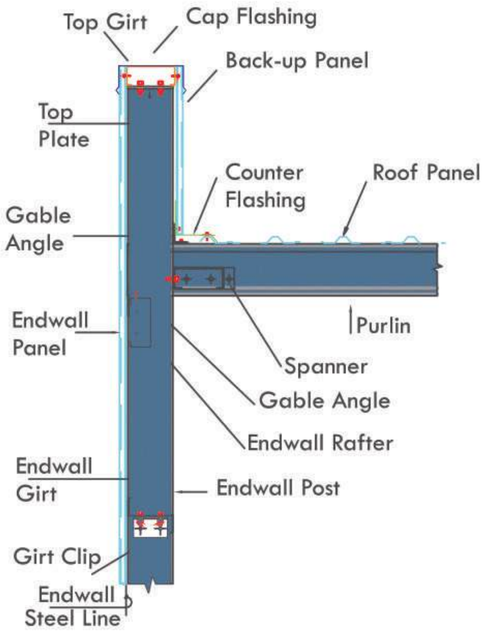
Jack Beams are used to make economical as well as safe approaches for creating longer bay lengths when large (5m/6m/7m/8m/9m/10m) unobstructed space is required. Common bay lengths can be doubled with the use of a jack beam making it possible to have 12/15/16/18 or 20 m clear bay lengths in areas where unobstructed space is required.

↗ FASCIA SYSTEM

Flush Fascias with Eave Gutter

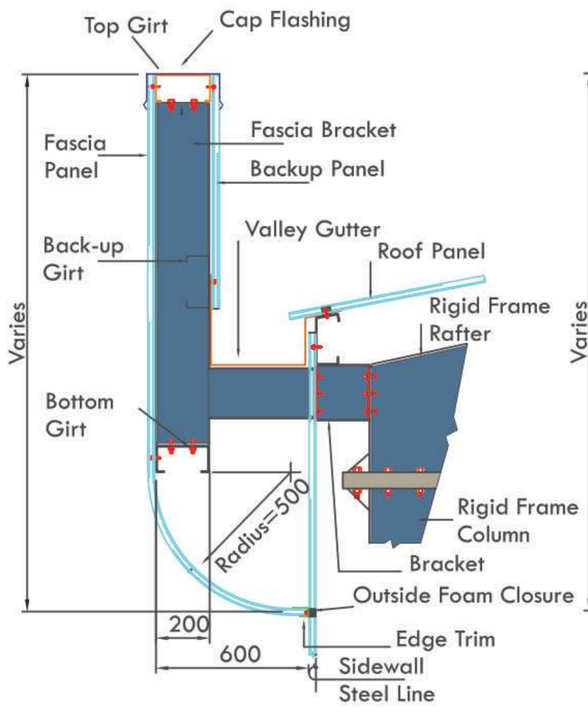


Typical Sidewall Section for Flush Fascia

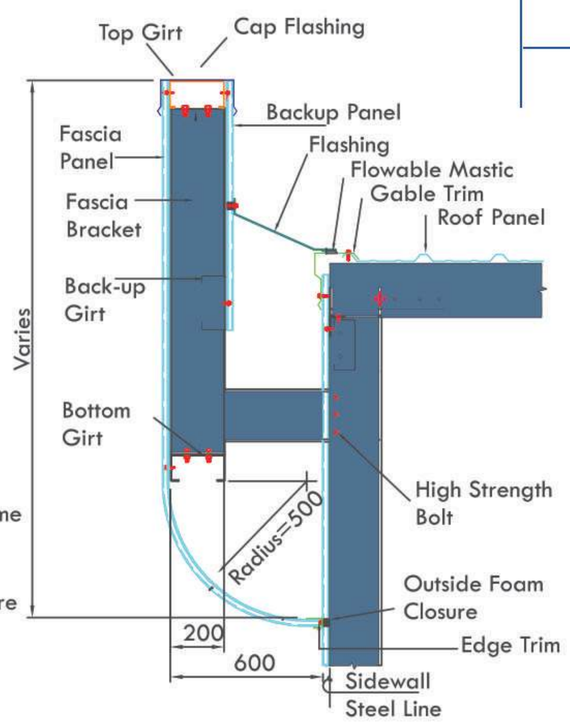


Typical Endwall Section for Flush Fascia

Section: Bottom Curved Fascia with Valley Gutter

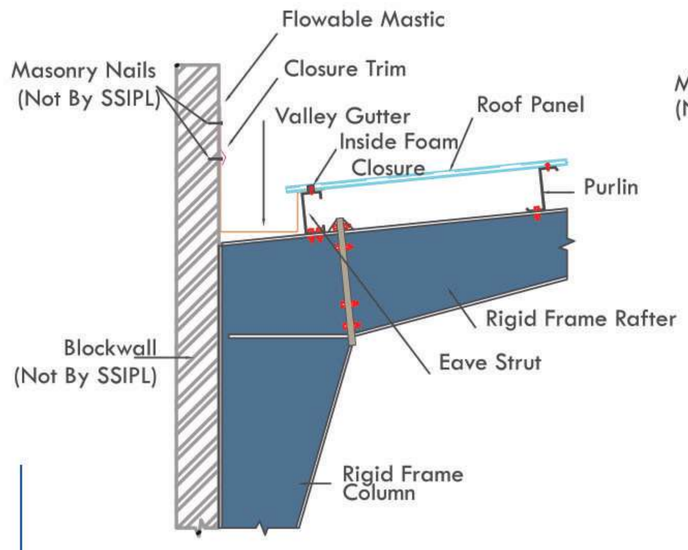


Typical Sidewall Section

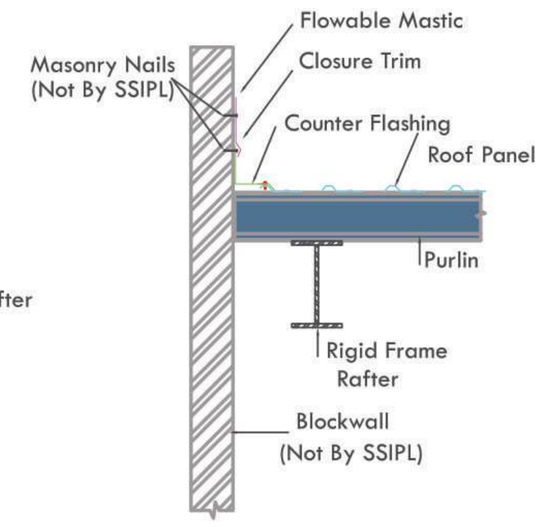


Typical Endwall Section

Flushed Fascia or Parapet Fascia

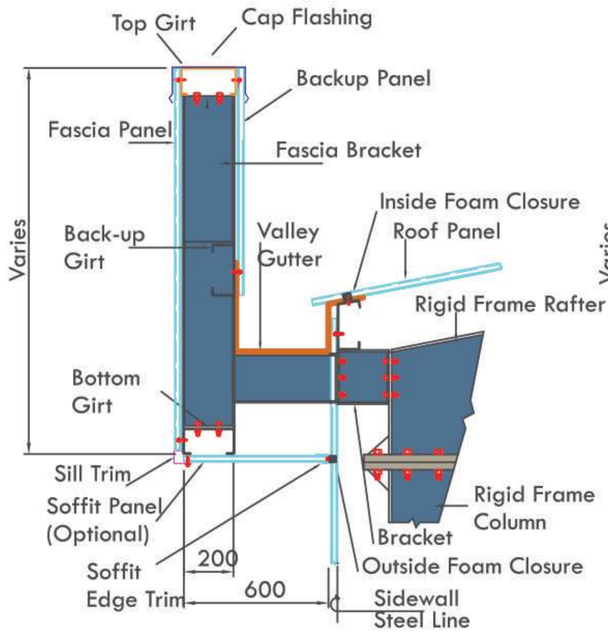


Typical Sidewall Section
Flushed Fascia with Box Gutter

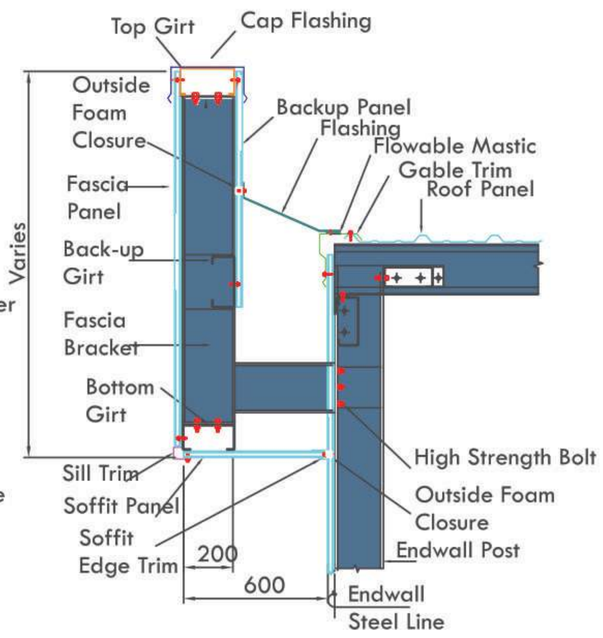


Typical Endwall Section
Flushed Fascia with Box Gutter

Section : Vertical Fascia with Valley Gutter, Back Panel & Soffit



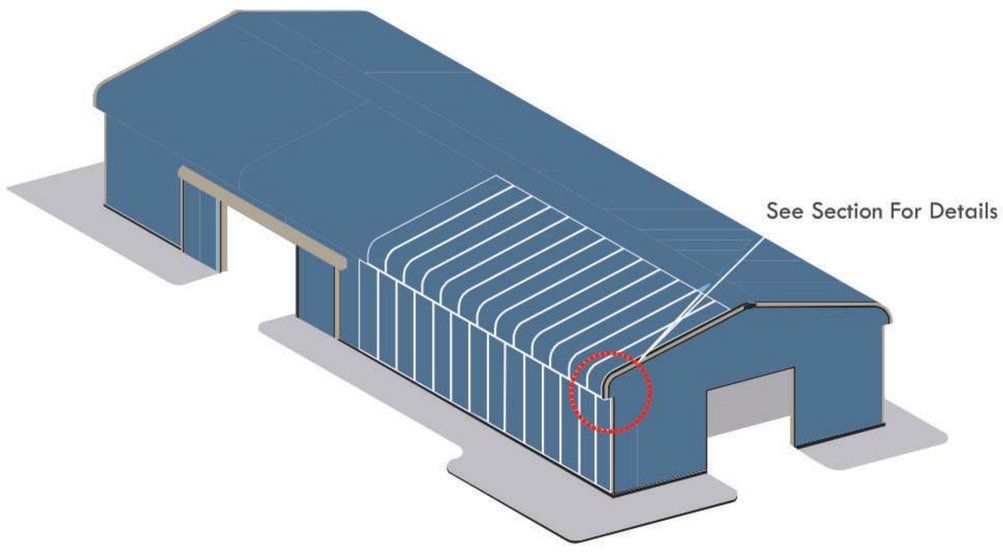
Typical Sidewall Section



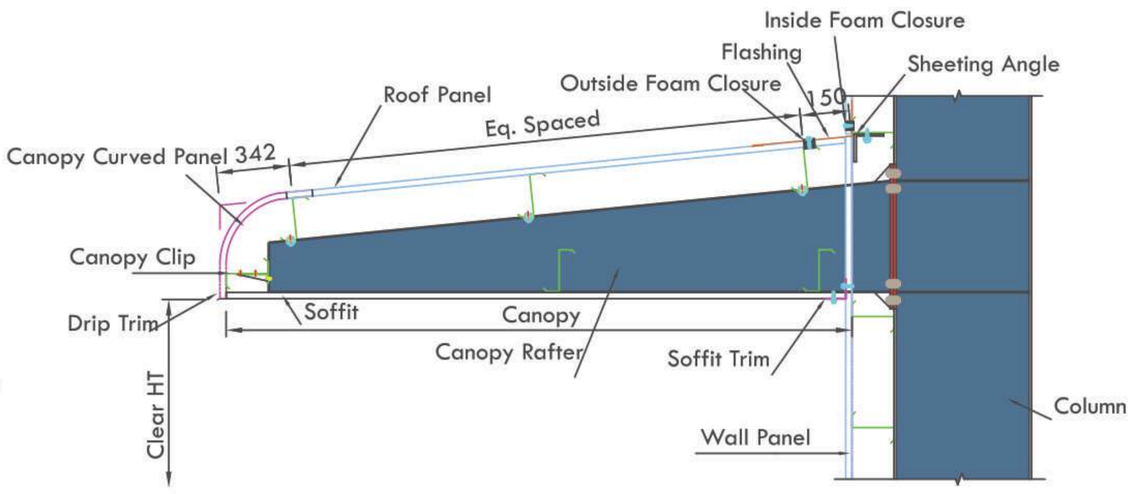
Typical Endwall Section

↗ CANOPY DETAIL

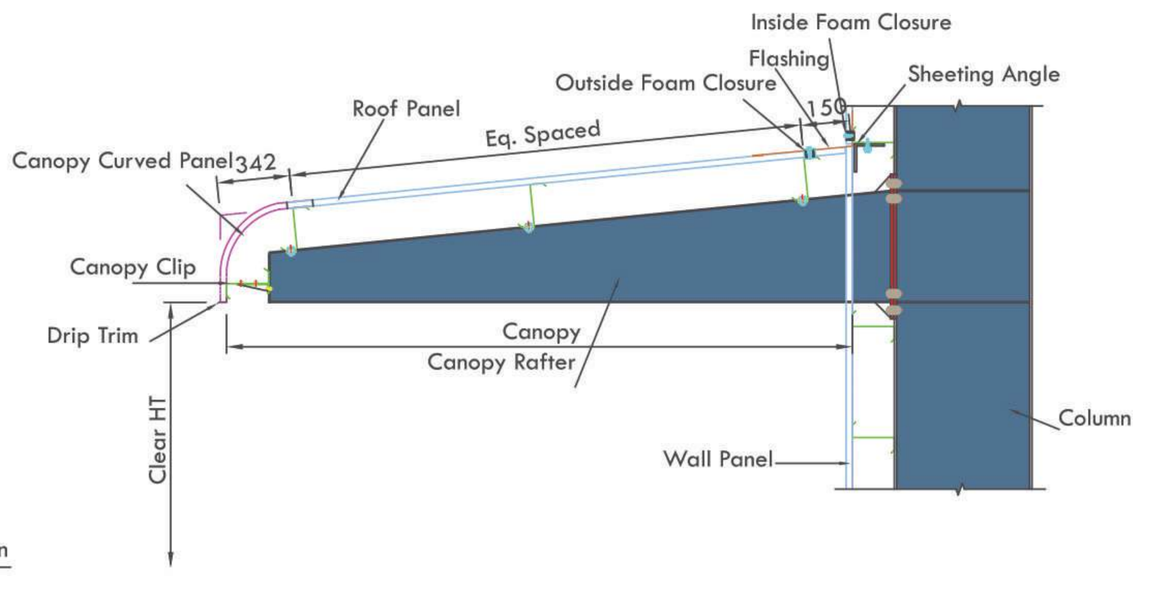
Isometric : Curved Eaves



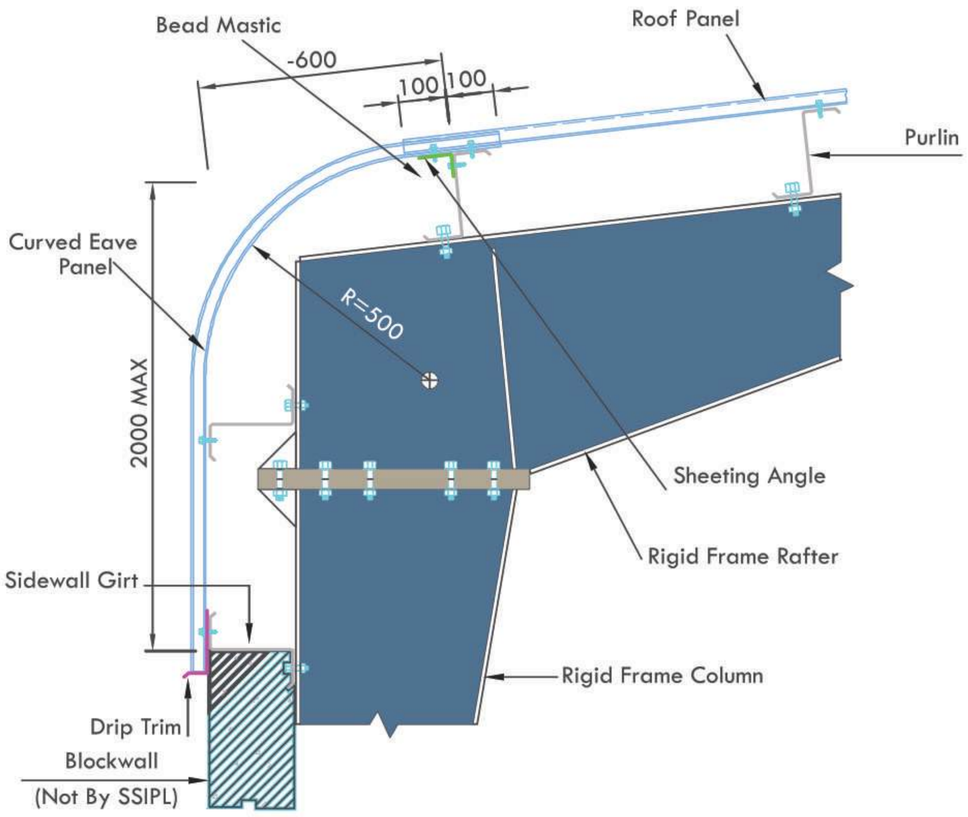
Canopy with Curved Eaves with Bottom Soffit



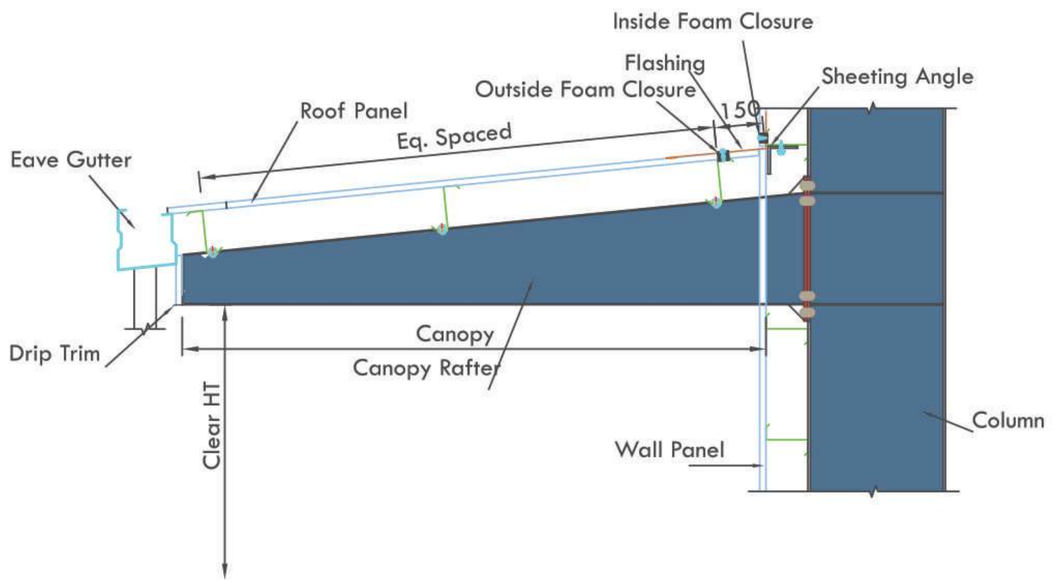
Canopy with Curved Eaves without Soffit



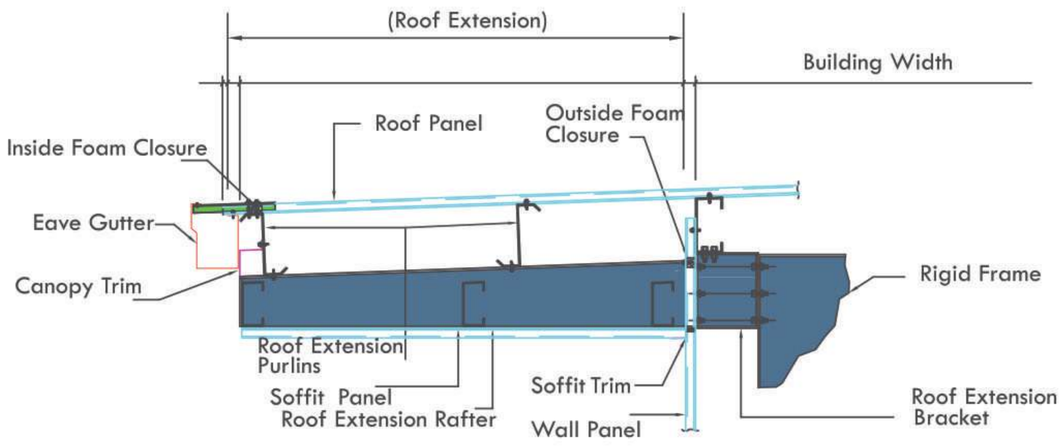
Section : Curved Eave



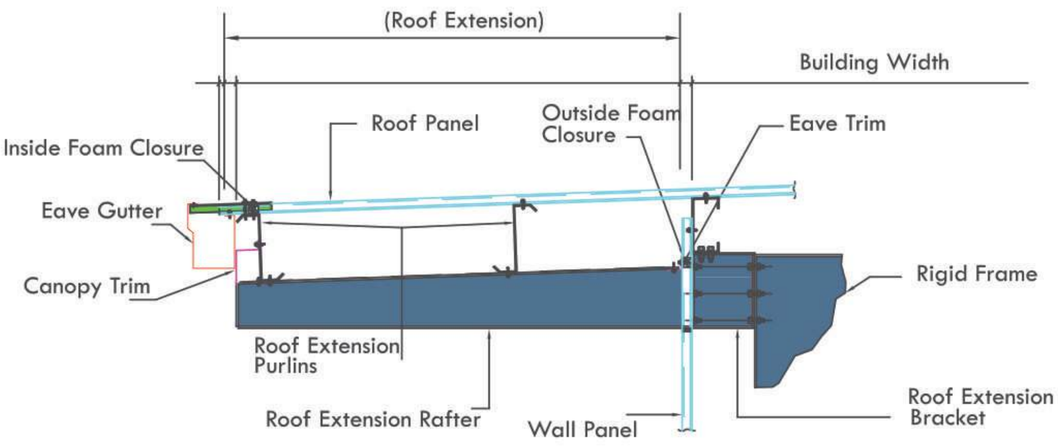
Canopy with Gutter & Downtake without Soffit



Roof Extension at Eave (with Soffit)

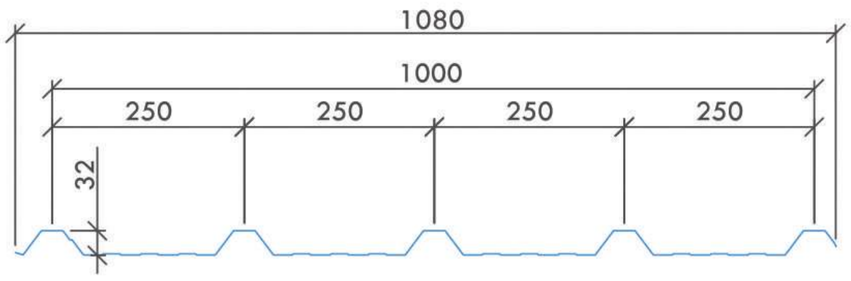


Roof Extension at Eave (without Soffit)

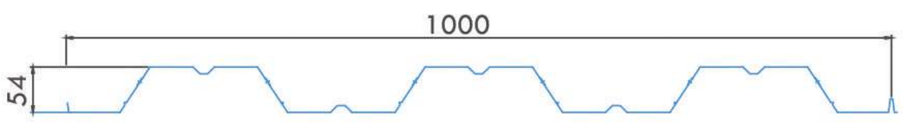


↗ ROOFING & WALL PANELS

SSIPL HI-RIB Sheet Profile

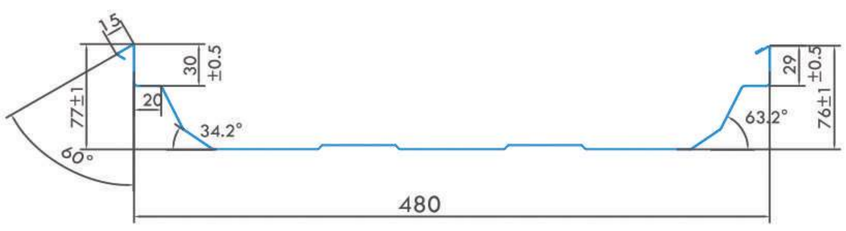


SSIPL DECK Sheet Profile

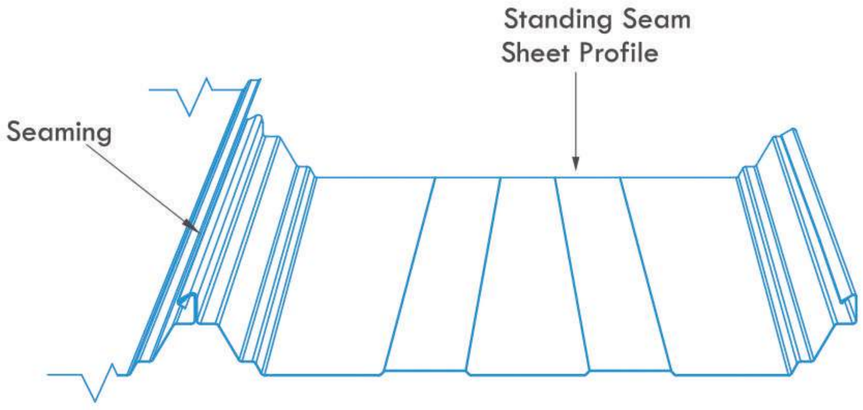


Thickness : 0.8MM/1MM/1.2MM

SSIPL Standing Seam Sheet Profile



SSIPL Standing Seam Sheet Profile with Seaming



panels are the most attractive features of the Pre-Engineered Building (PEB) having contributed mightily to the growing popularity of Metal Buildings. vgThe term "Panel" in this context refers to the metal skins used as roof and wall panels. Interior roof and wall liners, Partition Panels, Fascia Panels, Soffit Panels, etc. Our roofing systems can be used as single skin roof or wall cladding or can be used in combination with advanced multi layered insulated systems to give optional thermal and acoustic characteristics.

From industrial and infrastructure projects to commercial highrises, malls ,offices, and homes. Hulas Infra offers several systems for structural and architectural roof and wall cladding applications. All the angels are available in Galvalume steel substrates and premium color coating viz for permanent appearance. All the roof and wall coverings are supplied with custom accessories such as flashings, cappings, trims, fasteners, butyl tapes, silicone sealants, etc.

HULAS INFRA-ROOF AND WALL CLADDING

A pierced fixed roof, and wall covering system consists of structurally-engineered profiled panels that are available in single length (up to 12 m) and are fixed through self -drilling fasteners. It can be used for roof slopes as low as 1 in 10. Roofing/ cladding panels can be used as internal liners for double- skin roof and wall construction, with or without insulation. Roof curved panels are also offered for special architectural requirements.

HULAS INFRA STANDING SEAM ROOF SYSTEM

Standing Seam blends the aesthetics of an architectural panel with the strength of a structural panel. These panels have good uplift ratings assuring the reliability of the roof and can go down to roof slopes up to 1.50. The designer is afforded a flexible tool to meet any design challenge . Panels for each system are available in 0.55m to 0.6mm TCT Galvalume is high-quality cold-rolled steel sheet with a corrosion-resistant metallic coating of aluminum and zinc.

Standing Seam Roof System that combines a slim rib with exceptional uplift resistance. This panel has been designed to withstand the most rigorous conditions. The SS features CONCEALED FASTENING and on-site roll forming for single-length panels to form a one-piece non-pierced roofing system. Each of these systems features an optional factory- installed hot melt mastic for low slope applications to ensure weather-tight seams.

The Standing Seam Roof System is the most weather - tight roof system available in the roofing industry. Special clips available allow thermal roof expansion and contraction during extreme temperature changes. Each trim is weathertight and aesthetically pleasing, giving the roof a nice finished appearance. Also, the only panel penetration required, other than for end laps, is outside the building envelope. The ends laps are tightly sealed by either wring unique components or swaging the panels.

Sheeting standard color shades	Taurus Blue	Sky Blue	Mist Green	Off-white	Gray	Bare Galvalume

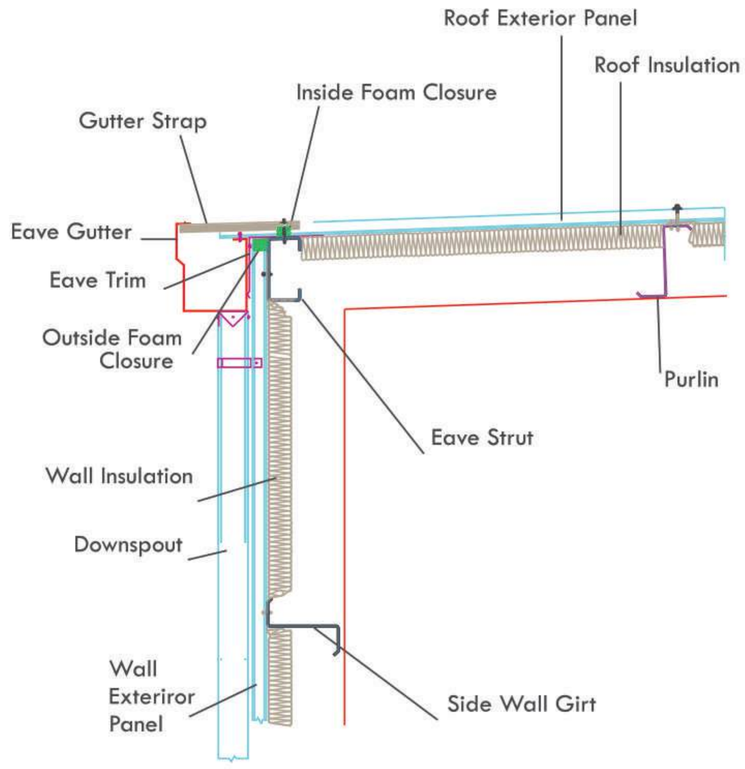
↗ INSULATED PANELS

INSULATED ROOF AND WALL CLADDING

Heating or cooling is one of the biggest operating expenses in a building. That's why it is important that each building has good thermal insulation adopted for the usage of the building. We offer fiberglass-insulation or bubble insulation with low thermal conductivity value.

Hulas Infra roofing and wall cladding are individually designed for each project and adopted to the specific requirements of the customer. Single or double-skin insulated roof and wall cladding represents a breakthrough in meeting the demand for a versatile high specification system. The cost efficiency achieved makes it a viable proposition for all the users who require higher insulation values in terms of energy-efficient roof and walls.

Roof and Wall Single Skin with Insulation



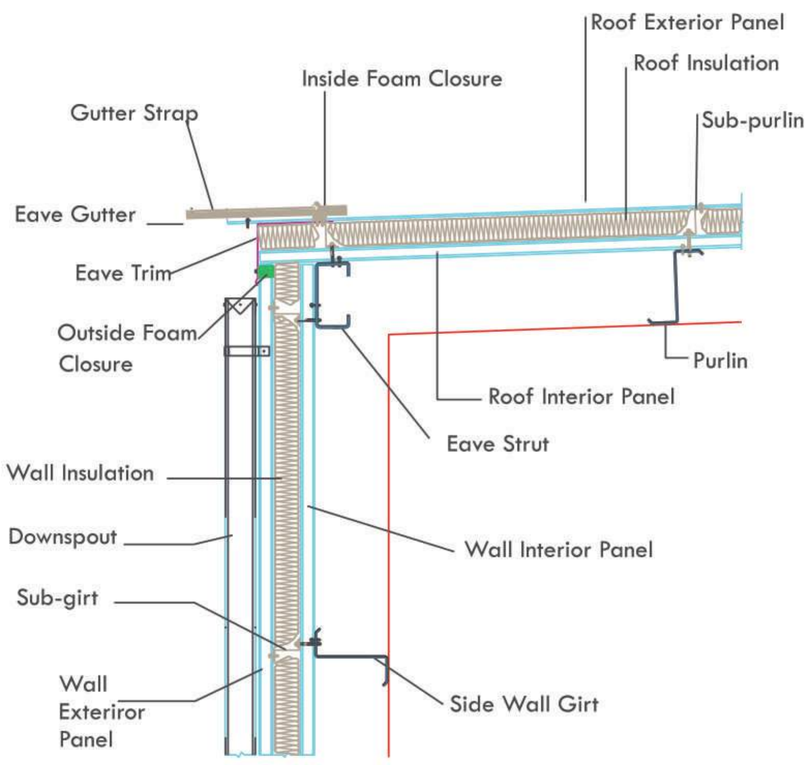
SINGLE-SKIN INSULATED CONSTRUCTION

Single Skin insulated roof and wall cladding with insulation used underneath the cladding as underdeck insulation. The insulation is rolled over the purlins or girts and the external cladding is then fixed to the secondary framing through the insulation. Only the vapor barrier is visible from inside of the building.

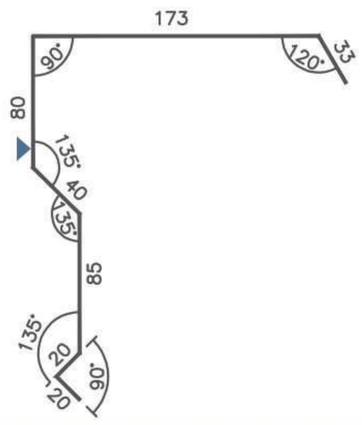
DOUBLE-SKIN INSULATED CONSTRUCTION

Double- Skin Insulated roof comprises internal liner panels directly screwed to the secondary framing, sub-girts screwed through spacer blocks and liner sheet to the purlins below. Metal building roll insulation with a vapor barrier is laid over the sub-girts and finally, the outer panel is screwed to the inside face of girts with the external sheet and insulation fixed on the outside of the building.

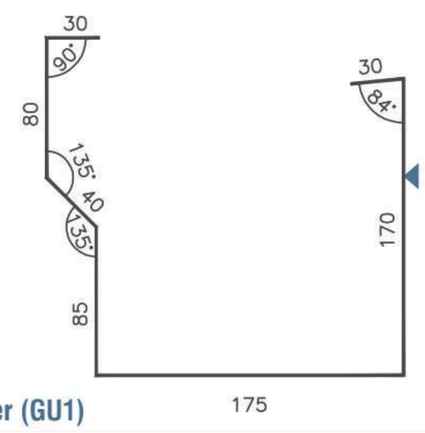
Roof and Wall Double Skin with Insulation by Using Sub-Girt/Purlin



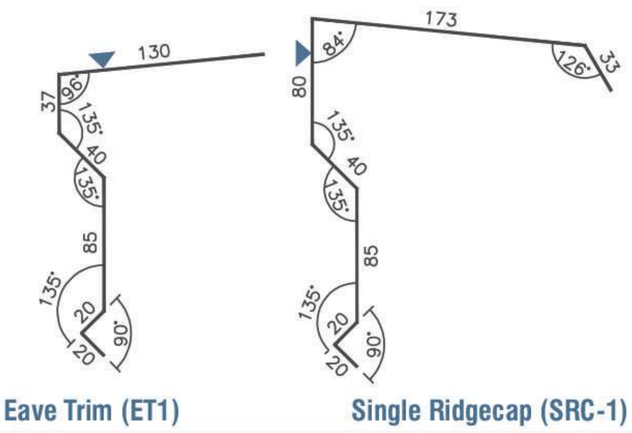
↗ STANDARD TRIMS & FLASHING



Gable Trim (GT1)

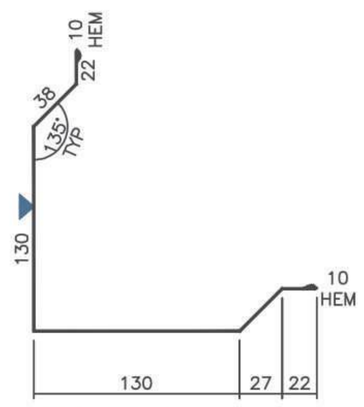


Eave Gutter (GU1)

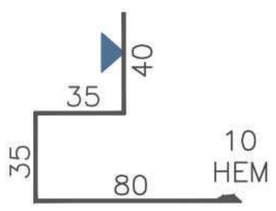


Eave Trim (ET1)

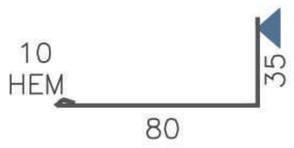
Single Ridgecap (SRC-1)



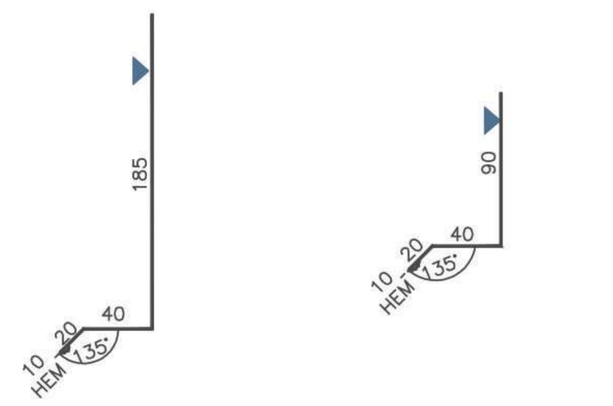
Outside Corner Trim (OT1)



Facia Sill Trim (FST-1)

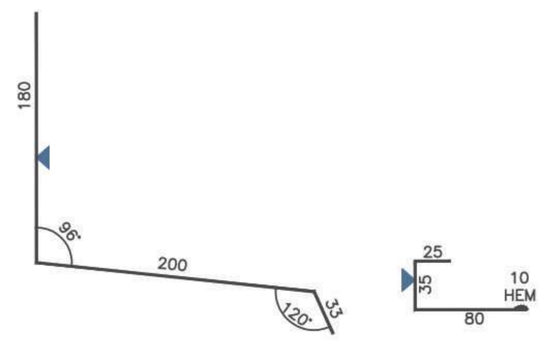


Facia Sill Trim (FST-2)



Masonary Trim- MF1

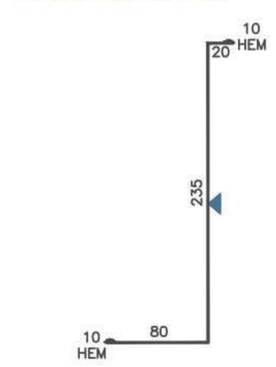
Drip Trim (DT1)



Transistion Trim (TT1)

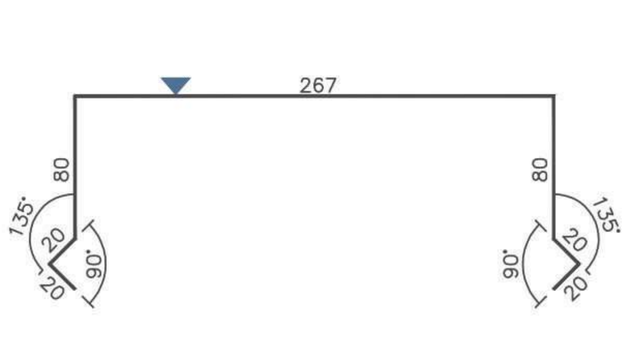
Jamb Trim (JT1)

Window Jamb Trim

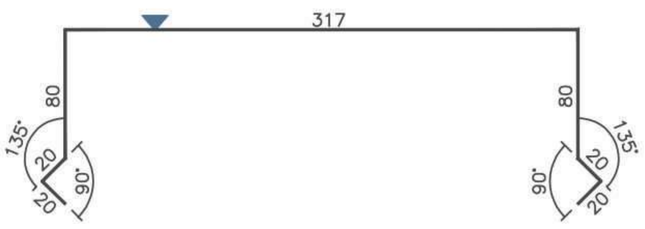


Jamb Trim (JT2-200)

Jamb Trim (JT2-250)

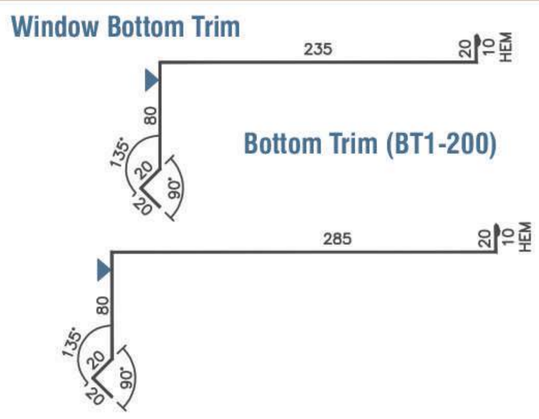


Cap Flashing For 200Z-FC200

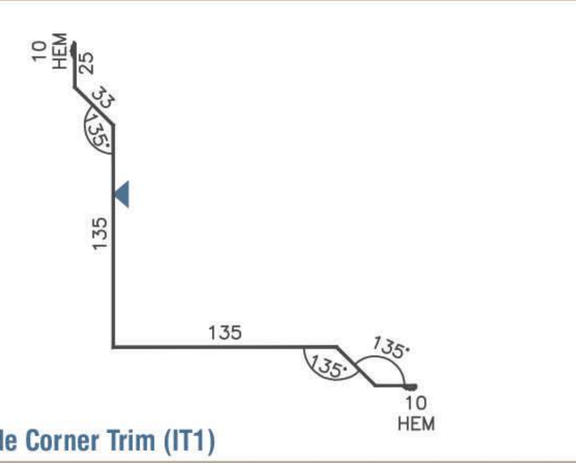


Cap Flashing For 250Z-FC250

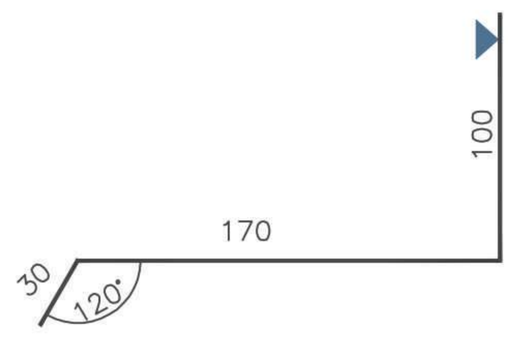
Window Bottom Trim



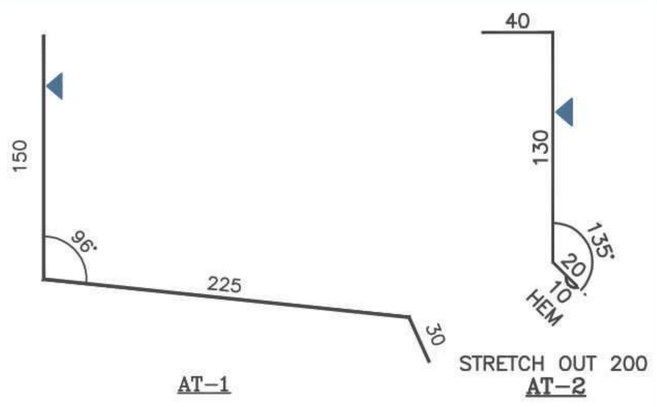
Bottom Trim (BT1-250)



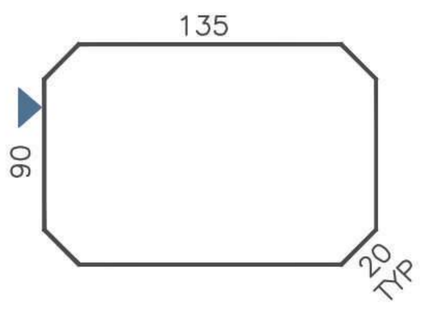
Inside Corner Trim (IT1)



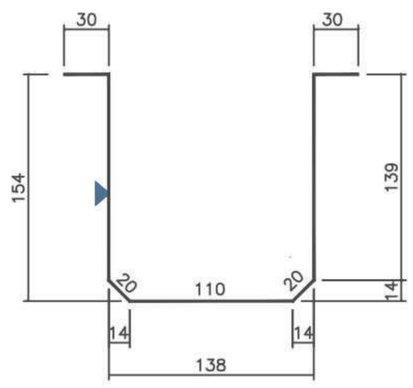
Fascia Transition Flashing (FT1)



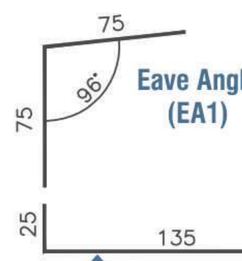
Apron Trim



Downtake Profile

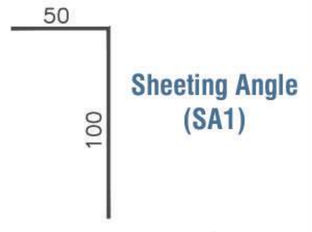


Downtake Strap (DSS1)



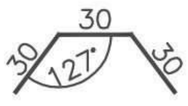
Eave Angle (EA1)

Downtake Spacer (DSP1)

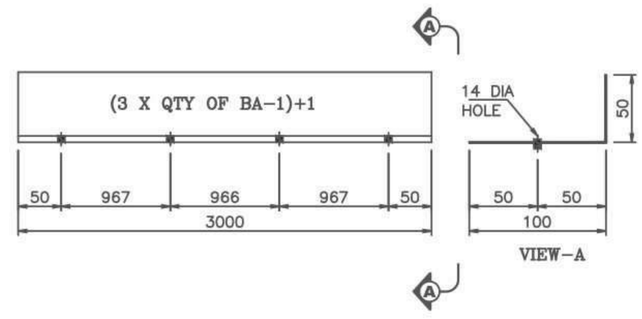


Sheeting Angle (SA1)

Rake Angle (RA1)



Length - 400mm
Gutter Strap (GS1)

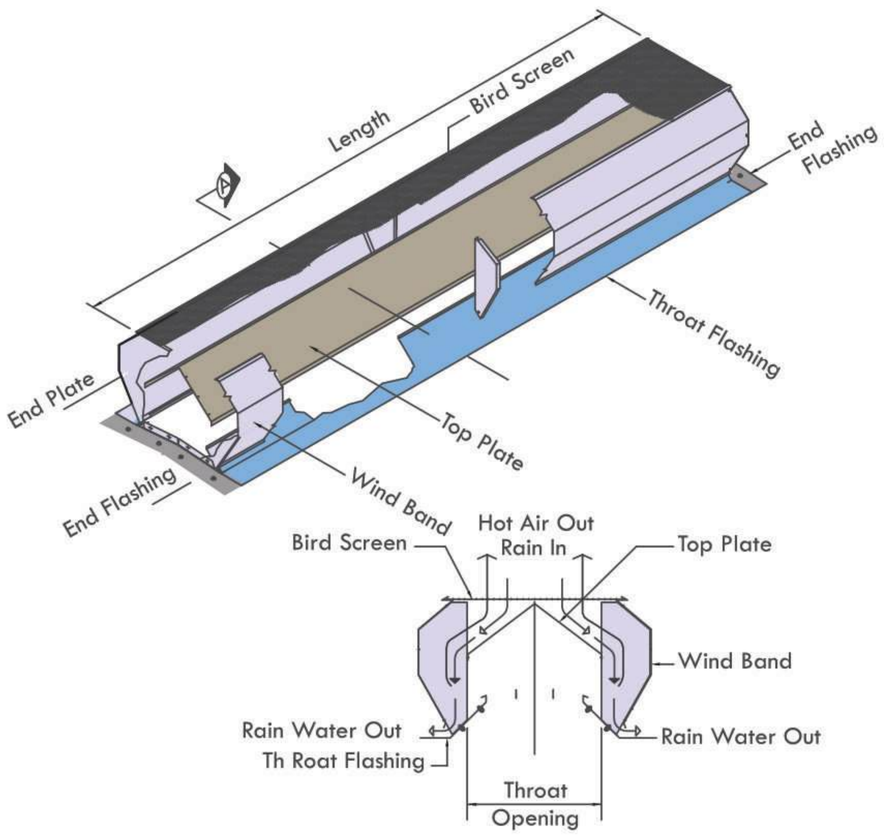


Base Angle (BA1)

ACCESSORIES

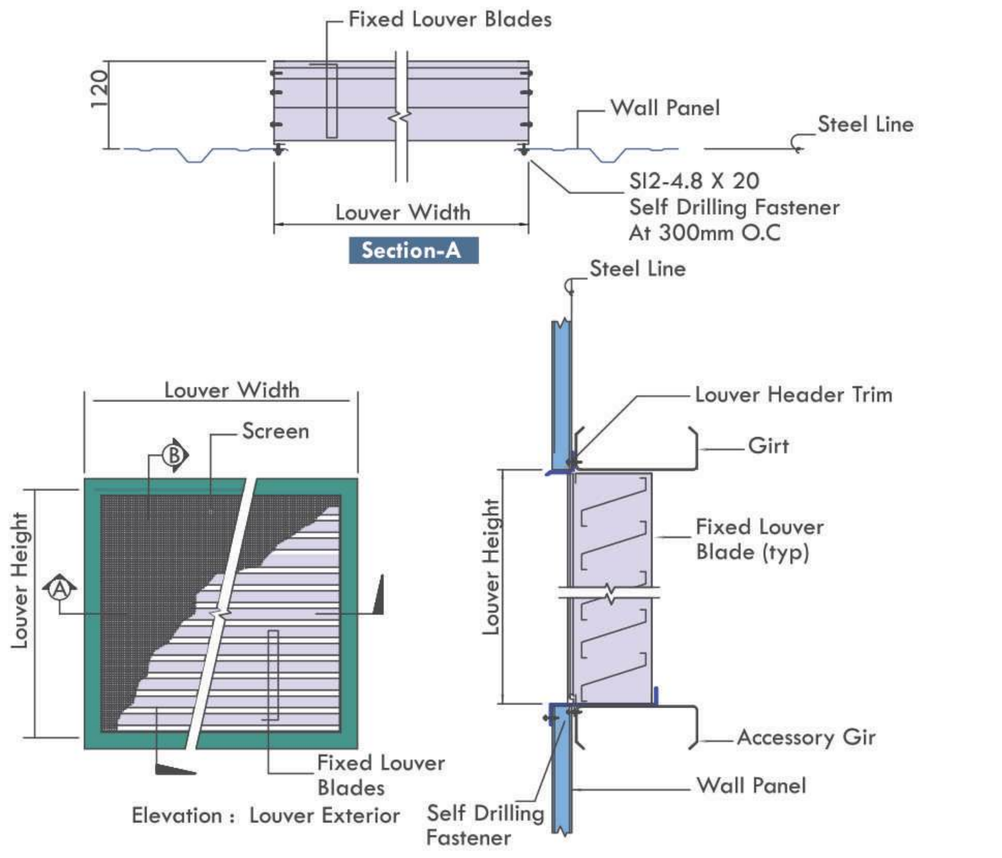
ROOF MONITOR | RIDGE VENTS | TURBO VENTS | SKYLIGHTS | S-TYPE LOUVERS | GUTTER | DOWNTAKE

Ridgevent System



Section A

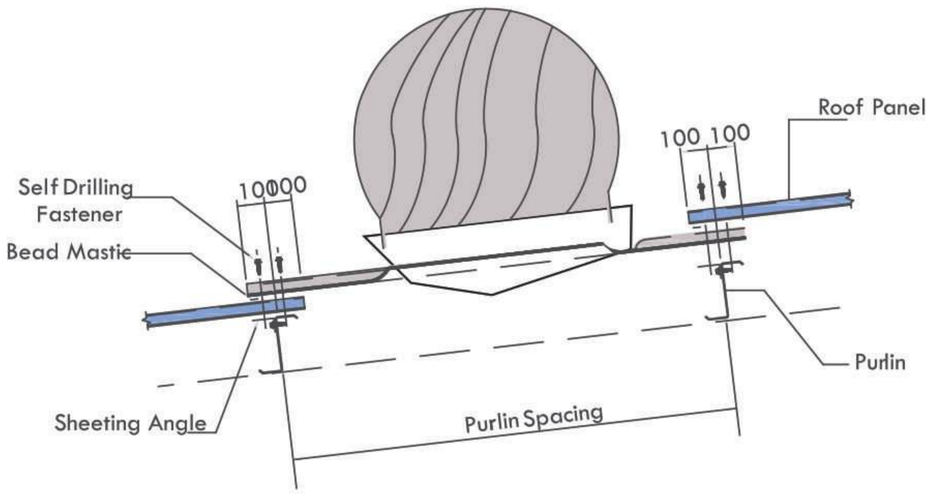
S-type Louver Detail



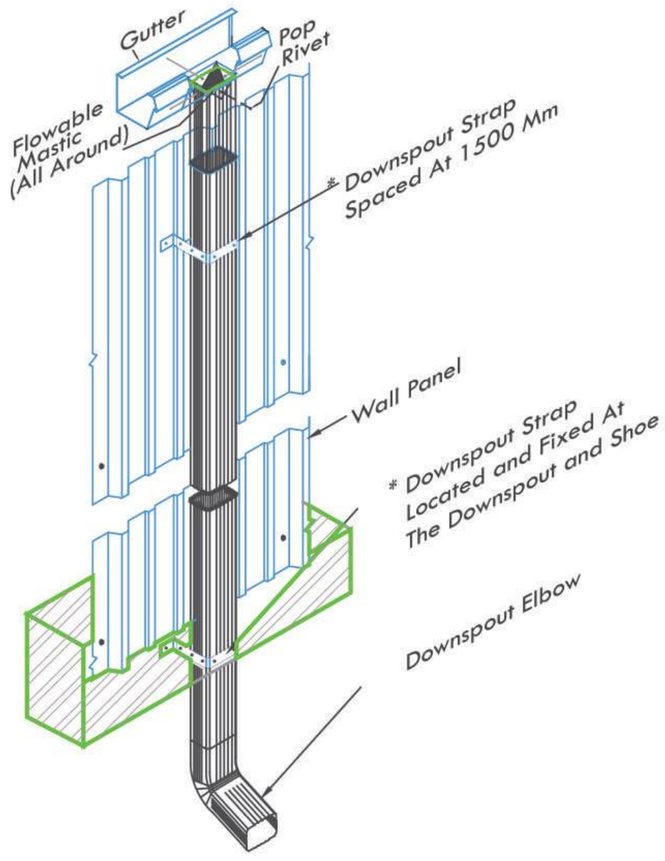
Section-B

Roof Monitor

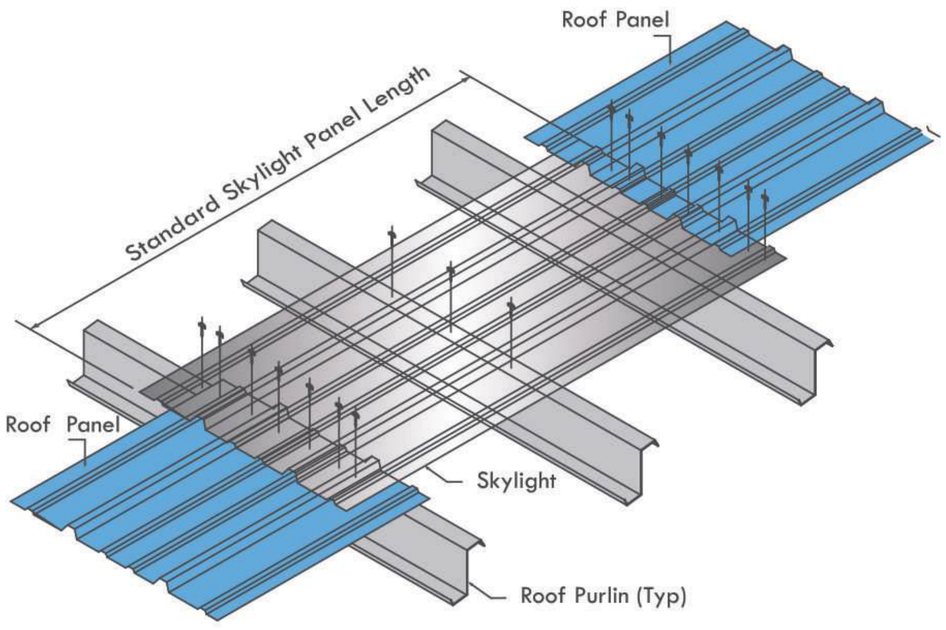
Turbovent Fixing Detail



Gutter / Downspout Fixing To Wallpanel Using Strap



Sky Lights And Wall Lights



↗ GREEN INNOVATIONS FROM HULAS INFRA NEPAL PVT.LTD

STEEL-THE GREEN METAL

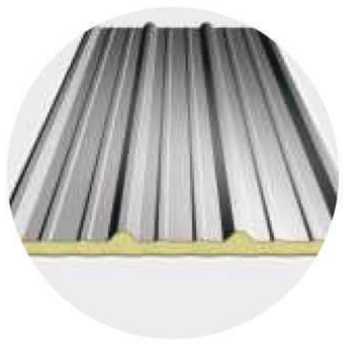
Steel is the basic material that is used in construction of a Pre- Engineered Building (PEB). It negates the harmful effects associated with concrete and cement. The steel used by Hulas Infra for any building can be 100% recycled in the future after the building has lived its life. Steel also lowers the life cycle cost as it is easier to maintain.

HEAT ISLAND EFFECT

Hulas Infra uses metal roof panels that have a higher solar reflectance index (SRI). This helps in reducing the energy consumption and the heat island effect.

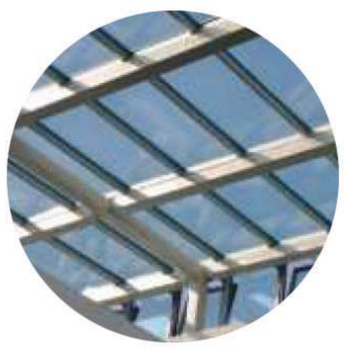
INSULATED METAL PANELS

Hulas Infra offers effective insulation solutions for both the roof and walls. The panels have a superior R-value that will contribute towards greater thermal and energy efficiency.



SKY LIGHTS

SkyLights help in ushering natural light into the building. This ensures minimum or negligible usage of artificial lighting thus contributing to lesser emissions.



REGIONAL MATERIALS USAGE

Materials that are used by Hulas Infra are procured from regional sources. This helps to cut costs and emissions on transportation and logistics.

INNOVATION AND DESIGN

The Pre- Engineered Building (PEB) fabricated by Hulas Infra uses appropriate software, which ensures that resources are optimized.

LONG BAY SPACING

Hulas Infra offers long bay spacing that will help in reducing the number of footings for any site. This technique ensures that civil work is reduced, and the usage of materials is optimized thus maintaining the ecological balance .

RENEWABLE ENERGY OPTIONS

Our efficient leak-proof Standing Seam roofing systems enables the installation of solar panels on the rooftop. solar power helps customers in meeting their power requirements and reduces carbon emissions.

↗ APPLICATIONS

FACTORY

MULTI STOREY

AIR CRAFT HANGER

WAREHOUSE

OFFICE COMPLEX

SHOWROOM

COLD STORAGE

SPORTS STADIUM

SCHOOL BUILDING

AUDITORIUM

POULTRY FARM

RICE MILL

↗ QUALITY INSPECTION AT HULAS INFRA

DFT Meter
INSPECTION
Visual I Paint Inspection I Final Stage Inspection

Steel Beam
LOADING
Visual I Paint Inspection I Final Stage Inspection

↗ CLIENT LISTS

BHUDEO KHADYA UDHYOG
HULAS FOOD

NEPAL OVERSEAS NEPAL
OVERSIES MARKETING

HULAS IRON INDUSTRIES

HIGHGROUND ADVENTURE NEPAL

BRIJ HIMALAYAN SPRING
KEDIA ORGANIZATION

OM CHAO BIRD FEED INDUSTRIES
RUNGTAS GROUP

OM CHAO PALLET INDUSTRIES
RUNGTAS GROUP

SARWAGI GROUP NEPAL

PRIME STEEL

KIRTI PLATINUM
CG HOLDINGS

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