



HIPCO
SUPERBUILD
PRE ENGINEERED BUILDING

YOUR PARTNER FOR GROWTH 

THINKING OF PEB (PRE-ENGINEERED BUILDING) IN NEPAL?

For the leading solution provider for steel structure, LOOK NO FURTHER.

Hipcolnra – 1st PEB manufacturing company of Nepal.

Hipcolnra is a venture of the most trusted brand HULAS STEEL, which was established in 1981 as a Greenfield venture by its parent Organization, Golchha Organization and Comcraft. Golchha Organization was founded in 1934 A.D by the dynamic and charismatic chairman, Late Seth Sri Ram Lal Golchha. Since then, the organization has been at the forefront of industries and commercial development in the country and has pioneered in technical professionalism and innovation in all spheres of business.

Hipcolnra is a forward integration of Diwakar Golchha Corp (Golchha Organization) to offer complete building solutions. With us, it is not just about erecting buildings but about building shaping progress.

Hipcolnra is the first plant of its kind in Nepal to have heavy-steel structure manufacturing capabilities which cater to mid to large-scale industrial projects, commercial complexes, warehouses, residential, showrooms, poultry, hotels and more.



▶ SHOWROOM



▼
POULTRY
HOUSING SYSTEM



▼
WAREHOUSE



OFFICE



RESIDENTIAL



RESTAURANT

TURN YOUR IDEAS INTO REALITY

From initial ideas, Hipcolnfra will propose a fast and binding plan in terms of design, fabrication, erection, costs, and time frame.

At Hipcolnfra, we in collaboration with contractors, building owners, and architects, provide a wide range of services such as Pre-Engineered Building System, Customized Pre-Engineered Steel Structures, Roofing System, Mezzanine Floor and more. Our services include designing, engineering and manufacturing of complete building.

As a reputed PEB supplier, we manufacture a wide range of products using best quality raw material in a way that meet approved industrial strategies and international standards.

MATERIALS USED FOR PEB

PAINTED
STEEL

GALVALUME
ROOF
SHEETING

STAINLESS
STEEL
CAPPED
FASTENERS

SILICON ZED
POLYESTER
BAKED-ON
ENAMEL
PAINT



WHY HIPCOINFRA?

HipcoInfra is a Hulas Steel Venture.

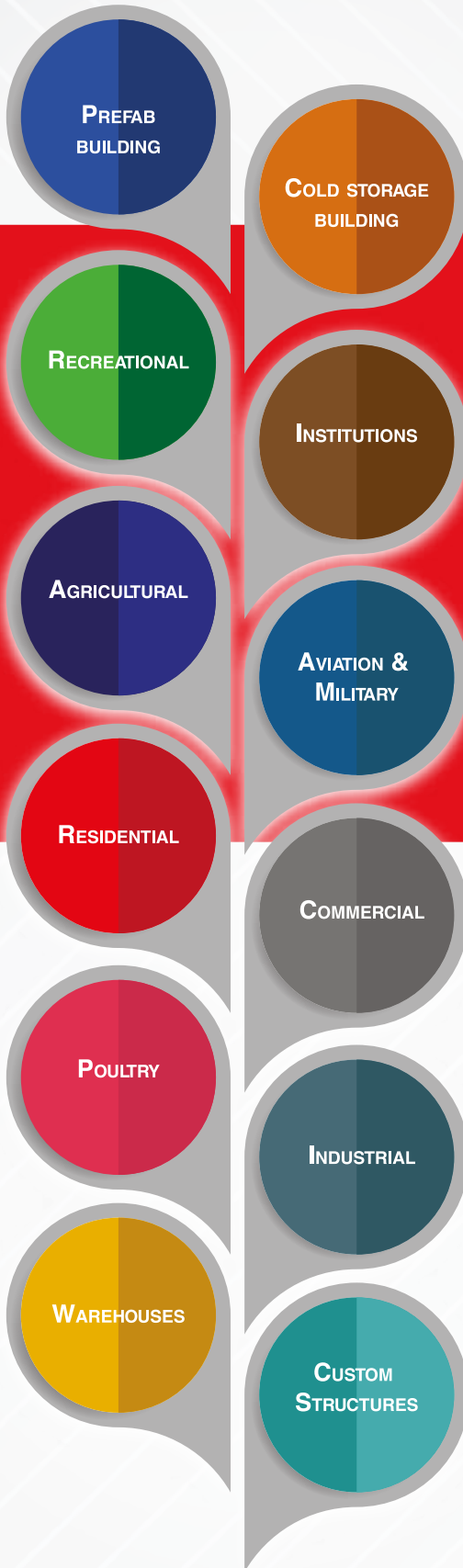
After HIPCO's success in the high pressure and structural pipes, we now extended our services to state-of-the-art Structural Steel products.

- ▶ A pioneer Pre-Engineered-Building (PEB) Structural Steel Fabrication Company
- ▶ Our objective is to make safe and modern steel buildings
- ▶ Approved International Standards in the Architectural & Structural Metals Manufacturing Industry
- ▶ One stop solution for your entire Building requirements
- ▶ Best Cost and Value
- ▶ Un-rivaled quality & efficiency
- ▶ The first State-of-the-Art factory in Nepal
- ▶ Premium Service and Professional Management
- ▶ Up to 3-storey high
- ▶ Wide Clear Span
- ▶ Customized Design Solution
- ▶ 3R: Reduction of waste materials, Reusable PEB structure & Recyclable material

WHY PEB?

ADVANTAGES OF PRE-ENGINEERED BUILDING


FEATURES	PRE-ENGINEERED STEEL BUILDINGS (HIPCOINFRRA)	CONVENTIONAL STEEL BUILDING (TRADITIONAL STYLE)
DESIGN	EFFICIENT DUE TO ITS INTEGRAL FRAMING SYSTEM	TIME-CONSUMING & FEWER PRECISION DESIGN AID
INTERNATIONAL BUILDING & DESIGN CODE	VOLUNTARY COMPLIANCE WITH INTERNATIONAL GREEN COMPLIANCE CONSTRUCTION CODE, MBMA, AISC & AISI	CODES NOT UPDATED AND FOLLOWED
COMPUTER SOFTWARE	INTERNATIONALLY RECOGNIZED ENGINEERING SOFTWARE FOR DESIGN, DRAWING, ESTIMATION AND DETAILING	NO SUCH DEVELOPMENT
STRUCTURE WEIGHT	20-25% LIGHTER THAN CONVENTIONAL AS STRUCTURE MEMBERS USED ARE TAPERED BUILT-UP	HEAVY WEIGHT STRUCTURE MEMBERS USED ARE HOT ROLLED T-SECTIONS
FOUNDATIONS	STRUCTURAL WEIGHT IS LOW, THUS, LIGHT WEIGHT WITH EFFICIENT DESIGN IS ENOUGH	HEAVY WEIGHT STRUCTURE REQUIRES VERY HEAVY FOUNDATIONS
DELIVERY SPEED & CONSTRUCTION TIME	FASTER DELIVERY – 500 MT - 6 TO 8 WEEKS & RAPID ON-SITE ERECTION	VERY SLOW DELIVERY – 500 MT - 20 TO 26 WEEKS CONSTRUCTION IS VERY TIME-CONSUMING.
COST OF CONSTRUCTION	LOWER COST PRICE PER SQUARE IS UPTO 30% LESS	PRICE PER SQUARE IS VERY HIGH
SEISMIC RESISTANCE	GOOD RESISTANCE DUE TO LIGHT WEIGHT AND FLEXIBLE MEMBERS	CANNOT WITHSTAND DUE TO RIGID HEAVY FRAMES
ARCHITECTURAL VERSATILITY	IMPRESSIVE AND MODERN ARCHITECTURAL DESIGN OPTIONS AT LOW COSTS	LIMITED OPTIONS AND HIGH COSTS
FLEXIBILITY OF EXPANSION	EASILY EXPANDED IN ▶ LENGTH BY ADDING ADDITIONAL BAYS ▶ WIDTH AND HEIGHT BY PRE-DESIGNING FOR FUTURE EXPANSION. EASY AND FLEXIBLE DUE TO ITS SIMPLE CONNECTION DESIGN.	DIFFICULT TO EXPAND AND HIGH COST
PERFORMANCE	ALL THE COMPONENTS ARE FABRICATED AT THE FACTORY FOR MAXIMUM EFFICIENCY	COMPONENTS DESIGN INDIVIDUALLY AT SITE, THUS, NO GUARANTEE OF EFFICIENCY
SINGLE SOURCE RESPONSIBILITY	ONLY ONE SUPPLIER HENCE, THE COMPATIBILITY OF ALL BUILDING COMPONENTS AND ACCESSORIES IS ASSURED WITH MINIMAL CONSTRUCTION RISKS.	VARIOUS ISSUES OF QUALITY, COST AND DELIVERY DUE TO MULTIPLE SUPPLIERS.
OPEN CLEAR SPAN	CAN OFFER LARGE CLEAR SPAN UP TO 120 M WITHOUT ANY INTERMEDIATE SUPPORTS. CHOICES AVAILABLE IN SINGLE, MULTI AND CONTINUOUS SPAN TO ENSURE VOLUMINOUS SPACE.	NOT MORE THAN 10 M CLEAR SPAN IN REINFORCED CONCRETE AND MAXIMUM CLEAR SPAN OF 40 M IN CONVENTIONAL BUILDINGS.
DURABILITY & MAINTENANCE	HIGH-QUALITY PAINT SYSTEMS FOR STEEL STRUCTURE PROTECTED WITH PROPER COATING SYSTEM PRE-FABRICATED AT FACTORY RESULTS IN LONG DURABILITY AND LOW MAINTENANCE COST.	HEAVYWEIGHT OF MATERIALS COMPROMISES DURABILITY AND LONGEVITY OF THE BUILDING. IT ALSO REQUIRES CONSTANT MAINTENANCE, YIELDING TO HIGHER COSTS.

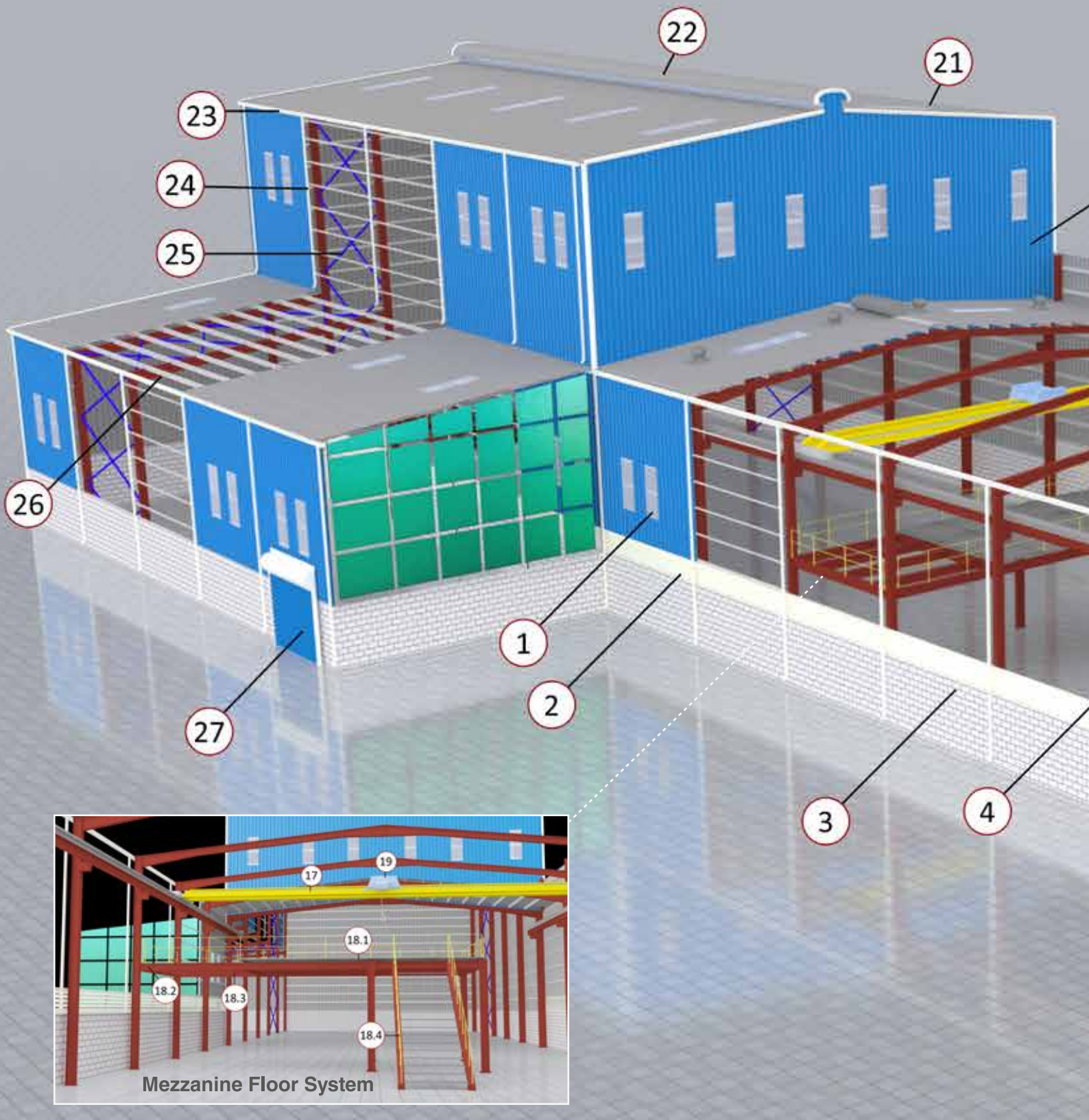


HIPCO
SUPERBUILD
PRE ENGINEERED BUILDING
APPLICATIONS



MAIN FRAMES – PRIMARY MEMBERS

- ▶ Are structural skeletal members carrying the main load of the Pre-Engineered Building.
 - ▶ Consists of tapered columns, tapered rafters, and other supporting members which are fabricated using the state of art technology at our own factory.
 - ▶ The shape and size of members varies based on the applications and requirements.
 - ▶ Is erected by bolting the end plates of connecting sections together.
 - ▶ All the steel sections and welded plate members are designed in unity with the appropriate sections as per the latest international codes and standards such as AISC, AISI, MBMA and IS to meet all the client disclaimers.
- 



1. Wall Light Panel

2. S Type Louvers

3. Brick Wall

4. Main Steel Frame Column

5. Double Sliding Door

6. Cage Ladder

7. Glazing

8.1. Concrete Footing

8.2. Concrete Pedestal/ Pile

8.3. Base Plate

8.4. Anchor Bolt

9. End Wall Column

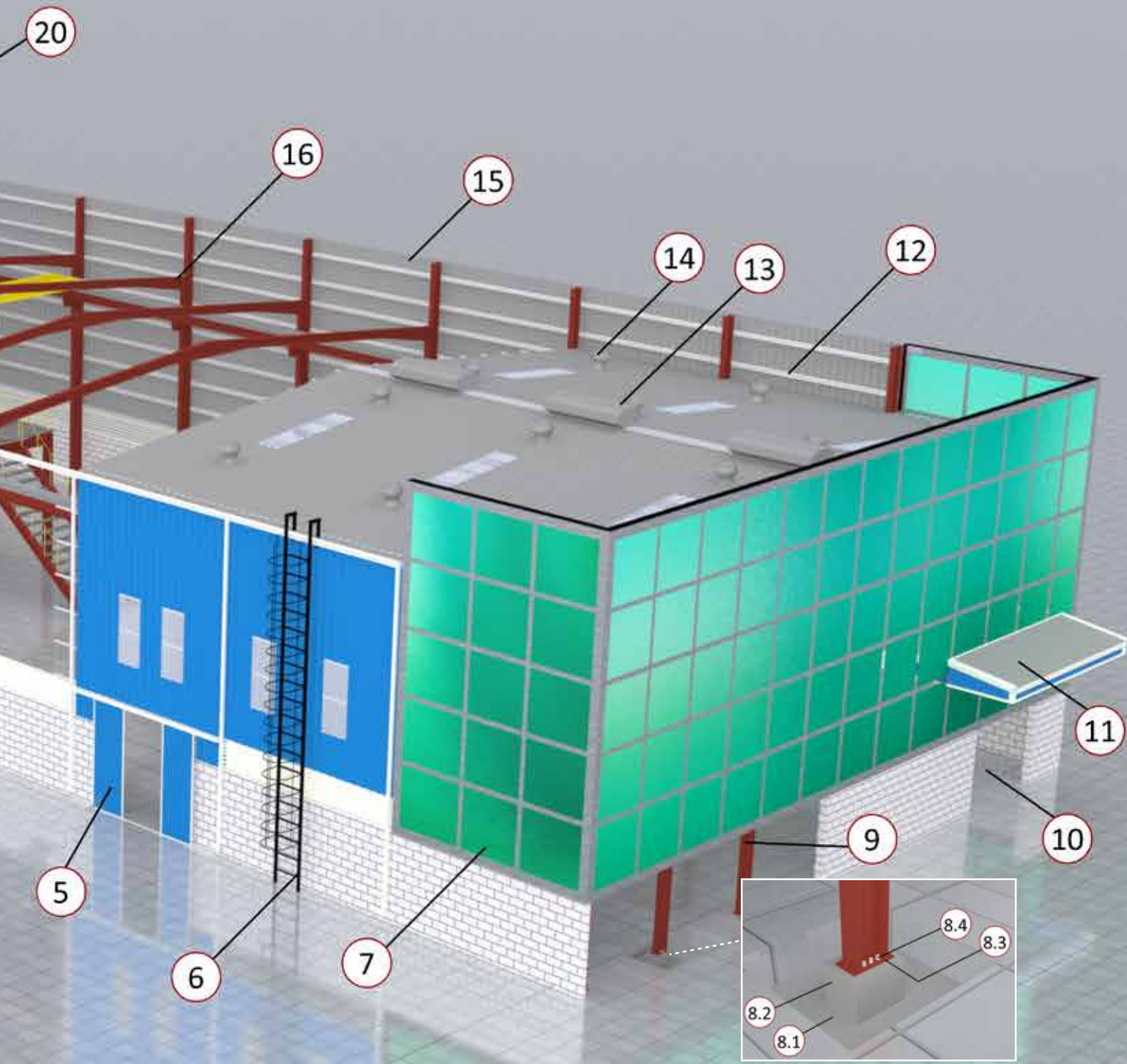
10. Framed Opening

11. Canopy

12. Girt










13. Ridge Vent

14. Turbo Ventilator



- | | |
|---------------------------------------|---------------------|
| 15. Fascia | 20. Wall Cladding |
| 16. Rafter | 21. Roof Sheet |
| 17. Crane Beam | 22. Roof Monitor |
| 18.1. Mezzanine Floor (Decking Sheet) | 23. Gutter |
| 18.2 Mezzanine Beam | 24. Downspout Pipe |
| 18.3. Mezzanine Joist | 25. Bracing |
| 18.4. Staircase | 26. Purlin |
| 19. EOT Crane | 27. Rolling Shutter |

TYPICAL FRAME STRUCTURE FOR PEB

FRAME TYPE	SPAN WIDTH	FRAME TYPE
Single Slope / Monoslope	3 M To 8 M	
Rigid Frame	6 M To 90 M	
Beam & Column (BC-1)	24 M To 48 M	
Beam & Column (BC-2)	36 M To 72 M	
Beam & Column (BC-3)	48 M To 96 M	
Multi Span	24 M To 120 M	
Lean To	3 M To 18 M	
Canopy	3 M To 6 M	
Butterfly Canopy	6 M To 12 M	

PRIMARY MEMBERS

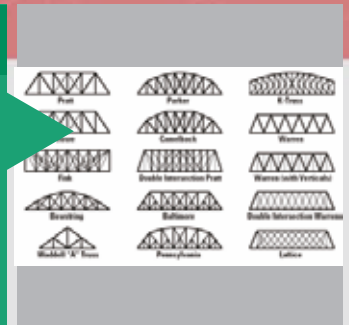
CRANE BEAMS

- ▶ Are support members for different type of cranes .
- ▶ Allow for unobstructed movement of cranes along the building length.
- ▶ Are supported on the columns of a building.



TRUSSES

- ▶ Is a rigid structure, ideal for large span roof systems, multiple bay buildings and as mezzanine floor framing.
- ▶ Are individually designed to meet the specific requirements of each building and are fabricated utilizing high quality efficient fixtures.



MEZZANINE SYSTEMS

- ▶ A mezzanine floor is an intermediate floor which is either built between two main floors or between the floor and ceiling of a building.
- ▶ Provides your facility with the means to expand and utilize space more efficiently.
- ▶ Increase productivity and overall capacity by putting vertical space to good use.



CURVED MEMBERS

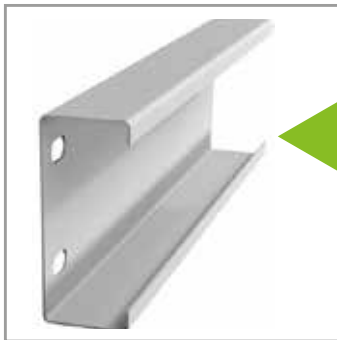
- ▶ Segmental or Continuous.
- ▶ Curved sections with variable depth and tapered members and capability of providing the curvature in three dimensions.



SECONDARY MEMBERS

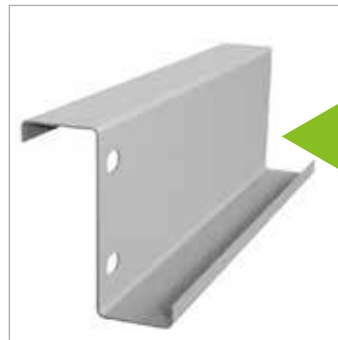


CZ PURLIN GALVANIZED



C PURLIN

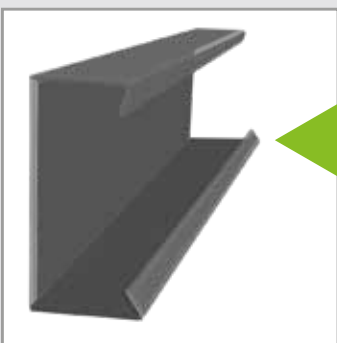
- ▶ C-shaped members may be used as secondary structural elements to fasten and support the external cladding.
- ▶ A girt is a horizontal structural member that is attached to sidewall or end wall columns and supports paneling.



Z PURLIN

- ▶ Are roll formed Z sections.
- ▶ A purlin is a horizontal structural member that supports roof covering and carries loads to primary frame.

C Purlin and Z Purlin can also be used as a girt, which is a horizontal structural member that is attached to sidewall or end wall columns and supports paneling. Cold formed purlins and girts, being efficient, long-life and economical structural members, are suitable for a wide range of building applications.



EAVE STRUT

- ▶ Are typically constructed from cold formed 'C' sections and are rolled to suit the roof slope.
- ▶ Act as a junction of the roof and the wall cladding.
- ▶ Primary function is to support the gutters.
- ▶ Transmits longitudinal wind force on the end walls from roof brace rods to wall brace rods.



OPEN WEB STEEL JOISTS (OWSJ)

- ▶ Is a lightweight steel truss consisting in the standard form of parallel chords and a triangulated web system, proportioned to span between bearing points.
- ▶ Main function is to provide direct support for roof or floor deck and to transfer the load imposed on the deck to the structural frame i.e. beam and column.



CURVED EAVES

- ▶ Are formed from color coated steel after crimping and curving
- ▶ Architectural Versatility
- ▶ Visually appealing and practically durable

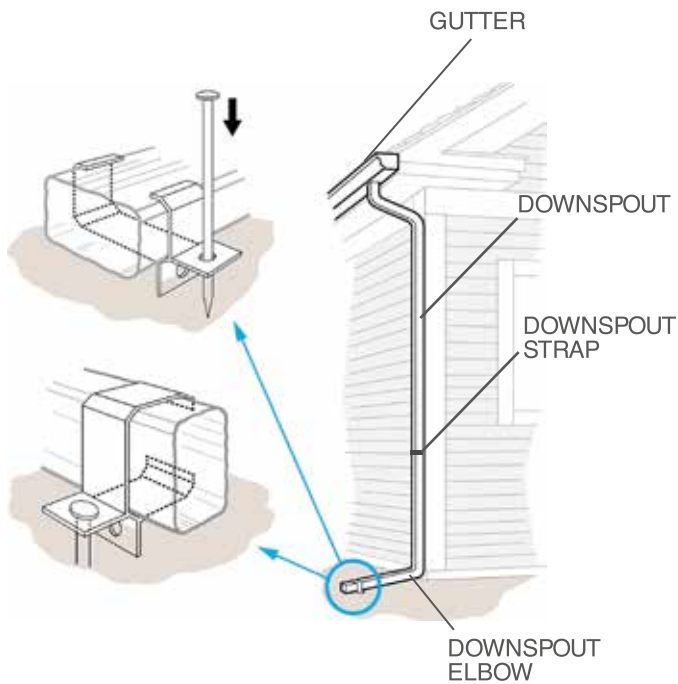


CROSS BRACING SYSTEMS

- ▶ Cable Bracing
- ▶ Rod Bracing
- ▶ Angle Bracing



DOWNSPOUT

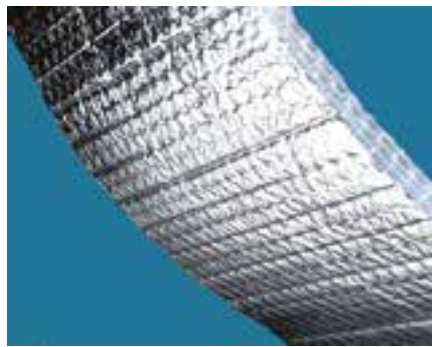


Hulas Downspout is a leader in high formability and sleek design pipe for carrying rainwater from a rain gutter. It allows water from gutter to reach the ground without dipping or splashing down the building structure.

OTHER ACCESSORIES



TURBO VENTILATOR



INSULATION



GUTTER SYSTEM



WALL LIGHT



ROOF SKYLIGHT



DURACOLOUR[®]
PREMIUM AL-ZN COLOUR COATED SHEETS

Hulas Roofing

Hulas H-Span



1145 MM

Profile	Shapes & Dimension of Profile	Effective Width (mm)	Base Metal Thickness (mm)	Available in Length (ft)
H-Span		1068	0.45 to 0.60	6' to 24'

RECOMMENDED USAGE: PEB, Construction Projects, Factory, Poultry, Warehouse

Hulas Heritage



760 MM

Profile	Shapes & Dimension of Profile	Effective Width (mm)	Base Metal Thickness (mm)	Available in Length (ft)
Hulas Heritage		760	0.45 to 0.60	6' to 24'

RECOMMENDED USAGE: PEB, Structures, Factory, Poultry, Residence



DURACOLOUR®
PREMIUM AL-ZN COLOUR COATED SHEETS

Hulas Wide



1095 MM

Profile	Shapes & Dimension of Profile	Effective Width (mm)	Base Metal Thickness (mm)	Available in Length (ft)
Hulas Wide		1066	0.40 to 0.60	6' to 16'

RECOMMENDED USAGE: PEB, Industrial, Factory, Poultry, Residence

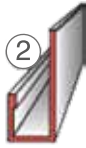


ROOFING TRIMS

Find everything you need to give your roof more than just an aesthetically-appealing trim with our full range of Roofing Trims.



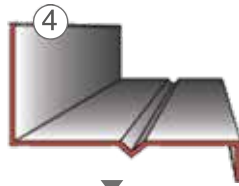
1 Rat Guard



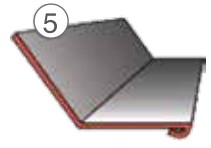
2 "J" Channel



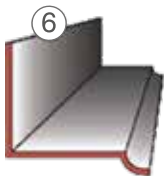
3 "14" Universal Ridge



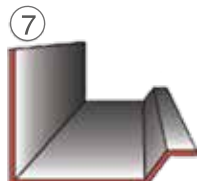
4 One-Piece Soffit Fascia



5 Endwall Flashing



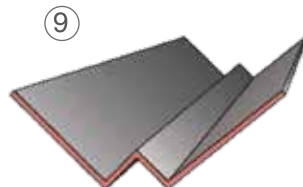
6 Sidewall Flashing



7 Sliding Door Trim



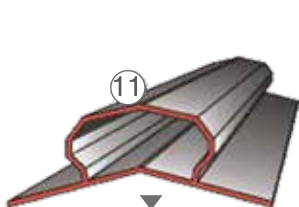
8 Inside Corner



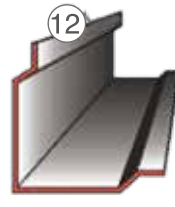
9 W-Valley Flashing



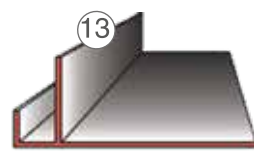
10 Barn Door Track Cover



11 Ridge-Vent



12 Outside Corner & Rake



13 Overhead Door Trim



DURACOLOUR[®]
PREMIUM AL-ZN COLOUR COATED SHEETS

Hulas Cladex



810 MM

Profile	Shapes & Dimension of Profile	Effective Width (mm)	Base Metal Thickness (mm)	Available in Length (ft)
Hulas Cladex		780	0.24 to 0.35	6' to 18'

It is a cost-effective panel material, made of metal alloy (55% Aluminium, 43.8% Zinc, 1.2% Silicon), used to cover the exterior or interior of a PEB building and structures.

RECOMMENDED USAGE: Exterior Wall, Interior Partition, False Ceiling

Hulas Deck



1000 MM

Hulas Deck is the most effective method of constructing floors using less concrete, having a fast construction process with less support required. It is an innovative high-strength zinc-coated sheet designed to use in the construction of composite flooring slabs.

RECOMMENDED USAGE: PEB Buildings, Structures, Infrastructure Projects





HIPCO

INFRA Hulas Steel Venture

YOUR PARTNER FOR GROWTH

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