DELTA

Steel Structures Pvt. Ltd.

Strengths

We are constantly innovating and are excited about creating custom made buildings for our clients. We keep our projects economical and cost competitive. We have a team of engineers and designers who are highly skilled, enthusiastic and excel in what they do.
Most importantly we have an attitude of being ahead of schedules with an uncompromised standard for safety.

Domains

Factories/ Site Offices
Commercial Complexes
Cold Storages/ Dairy Farms
Warehouses
Aircraft Hangers
Offices/ Schools
Parking Solutions
Automobile Showrooms
Shopping Malls
Railway Stations
Sports Complexes
Incubation Centers
Stadiums

Infrastructure

Established in 2007, We have manufacturing facilities in Kadapa, Andhra Pradesh. We have a PEB production capacity of 30,000 metric tons/annum and a Heavy Structural Fabrication production capacity of 24,000 metric tons/ annum. Delta has worked on more than 300 Projects. We have an in-house design team and we operate from our head office located near HITEC city, Hyderabad.

How we do it

Design to Delivery

* A detailed schedule will be prepared after placing the order

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8
Approval drawing preparation (1 week)	Approval by customer (1 week)	Fabrication	Painting	Dispatch	Erection	Sheeting	Handover

Integrated software

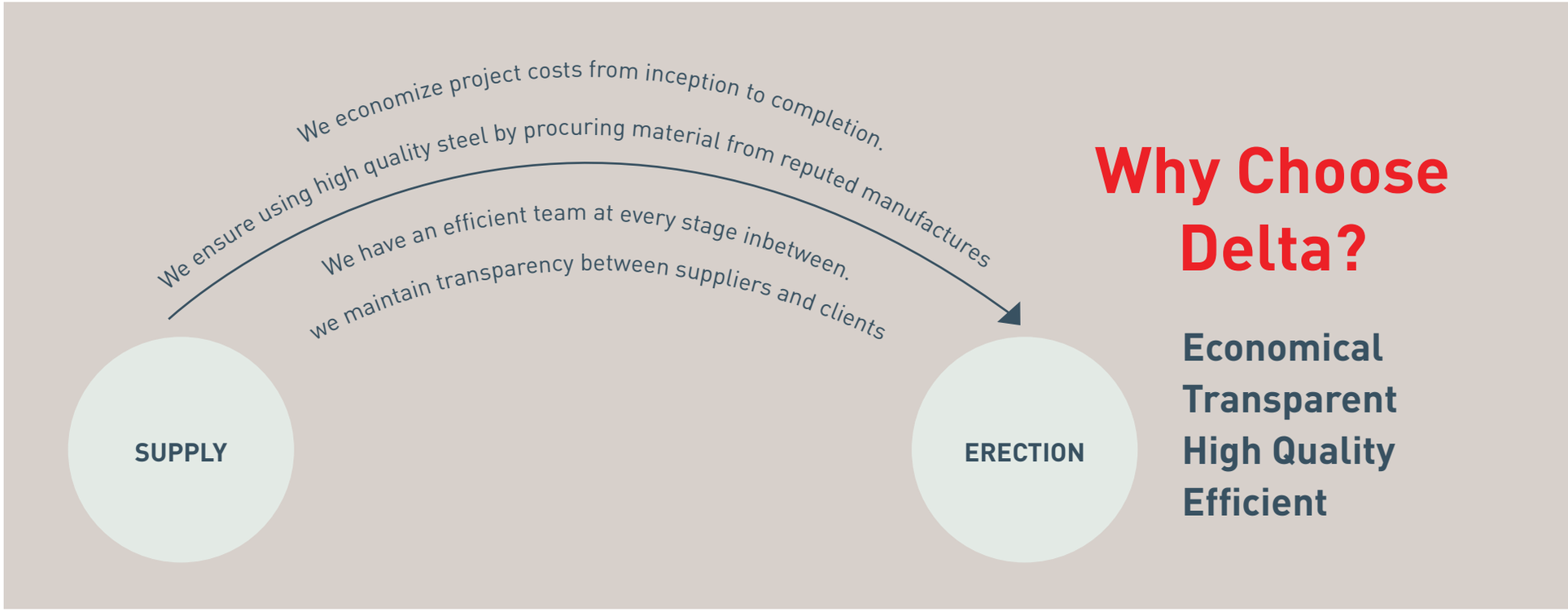
Software technology well managed and integrated for efficient services

Design + Engineering + Manufacturing + Logisitics

Delivery and Erection

Prior to commencement of shipment of fabricated steel to the site, the OMD team deputes a Project Engineer to assist the erection team in providing on site service to Delta's clients.

The project engineer makes frequent site visits through this phase of the project and communicates client needs to the OMD engineer ensuring efficient and timely response.



Why Choose Delta?

Economical
Transparent
High Quality
Efficient

CUSTOMIZED SOLUTIONS

At Delta, we have a design team who believes in constant innovation and hence custom designs every project as to the needs of our client. From engineering to fabrication and erection our design team ensures the highest standards of safety along with aesthetic apeal.

QUALITY

We deliver products and ensure a service experience that exceeds industry benchmark standards, because we believe in building with meticulously checked, premium quality material with the aid of technologically advanced processes.

PROJECT SERVICE

Delta's dedicated sales team and customer service team along with highly skilled erection engineers ensure that Delta's services are always prompt and if any concerns arise, they are attended to, within the shortest possible time, to make sure the project schedule is not disturbed.

Delta is committed to innovation, adding value and saving costs for clients. At Delta we believe that by serving the clients through ***innovations in design,*** *sourcing, production, erection and after sales services; we are enabling revolution in building engineering.*

Heavy Structural Fabrication

Delta has the uniqueness of expanding its work beyond steel Buildings and undertaking fabrication work for various structural steel projects. Whether it is a conventional truss building for an individual customer, or a complex infrastructure project requiring higher degree of coordination between government agencies and private agencies; Delta uses its technical expertise, resources and knowledge to fabricate structural steel in controlled conditions and erect it in accordance with the project specifications.

With a very well organized infrastructure, Delta's pool of experienced technical workforce strives to stretch the limits of production possibilities a little further; by offering fabrication work and value added services at competitive prices.

Customer commitment, satisfaction, appropriate quality standards, and scheduled completion of projects are part of Delta's business policy.

Equipped with automatic and semi-automatic machines, Delta has successfully completed structural steel fabrication involving built up sections, rolled steel sections and box beams that have application in industrial, commercial and infrastructure segments.

L&T Lafarge Pvt. Ltd.

Railways Gurders Project
Kadapa

Primary Framing

Primary frames are designed in accordance with the steel construction manual published by American Institute of Steel Construction (AISC). Manufacturing dimensional tolerances are in accordance with the requirements of 'Metal Building Manufactures Association' (MBMA) of USA, "Low Rise Building Systems Manual". Besides AISC and MBMA, we also design buildings with IS-875, 1984 and IS-875, 2007.

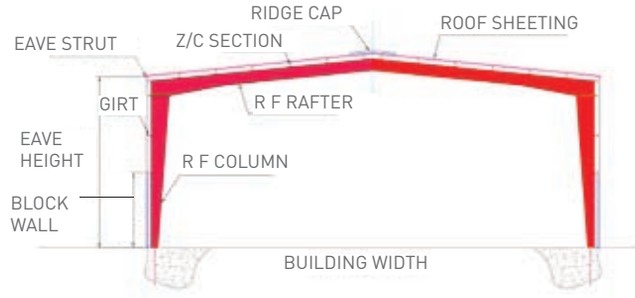
Built-up sections are fabricated from hot rolled steel plates confirming to ASTM A 572M grade or equivalent with a minimum yield strength of 345N/mm2 (50ksi).

The most common primary framing systems are illustrated here. All structures shown are symmetrical about the ridge line. Framing systems unsymmetrical about the ridge line and Multispan Framing Systems with unequal width modules are possible too.

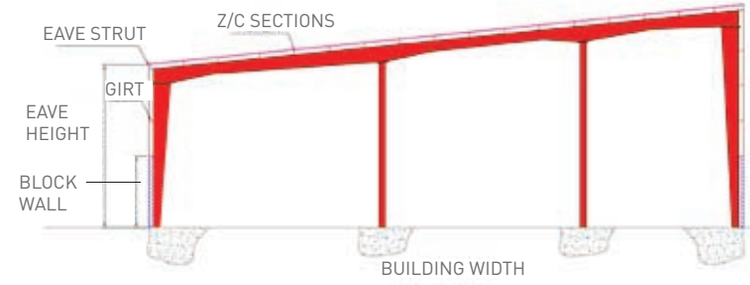
Practically any frame geometry can be erected.

Pheonix Pvt. Ltd.
Honeycomb Technologies
Bharati Polimers

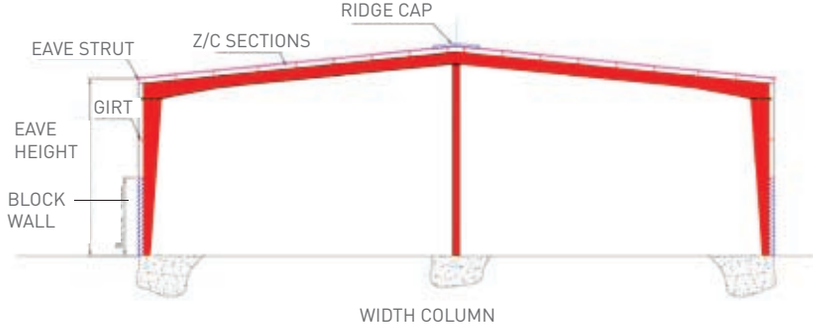
CLEAR SPAN



SINGLE SLOPE BC2



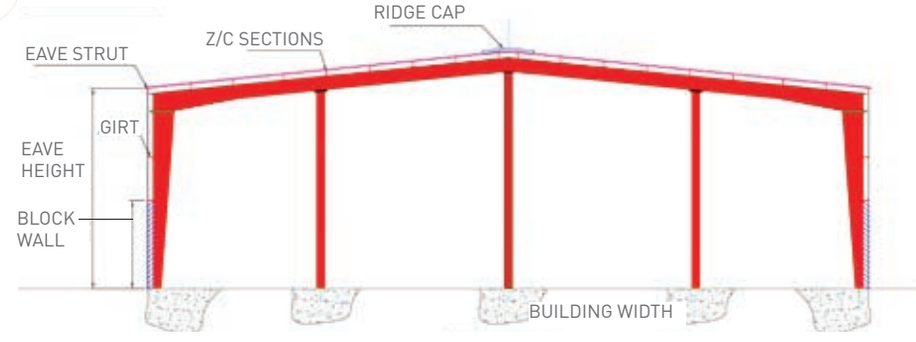
BEAM COLUMN 1



BEAM COLUMN 2

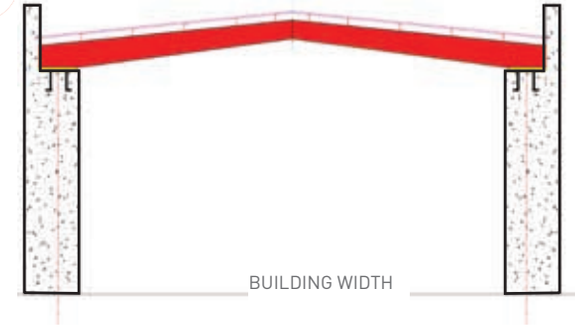
MULTIPLE GABLE WITH TWO CLEAR SPAN

BEAM COLUMN 3

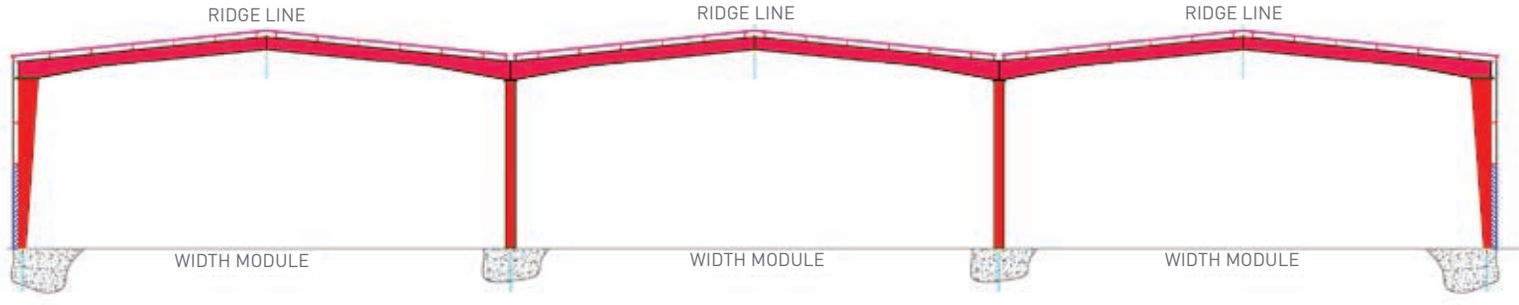


MULTI GABLE WITH BEAM COLUMN1 FRAME

ROOFING SYSTEM



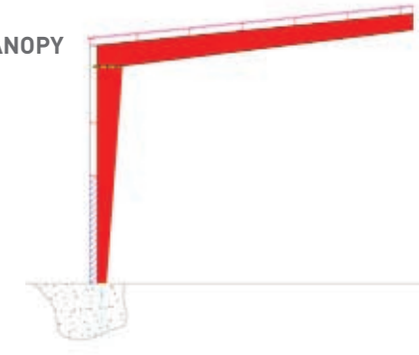
MULTI GABLE



T - CANOPY

Y - CANOPY

L - CANOPY



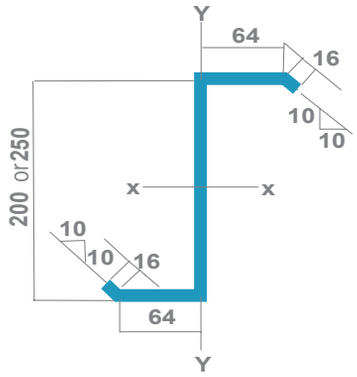
Secondary Framing

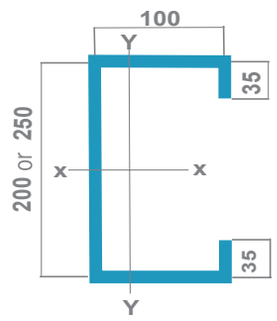
Secondary structural framing refers to C sections and Z sections, Grits, Eave struts, Wind bracing, Flange bracing, Base angles, Clips and other miscellaneous structural parts.

Standard C & Z secitons and Grits are roll-formed Z- sections with 64 mm flanges 200 mm deep.

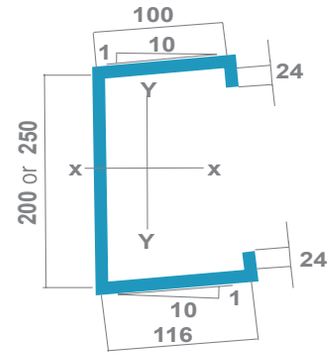
Eave struts are 200 mm deep with 100 mm wide top flange. Cold-formed members are designed in accordance with the American Iron Steel Institute (AISI).

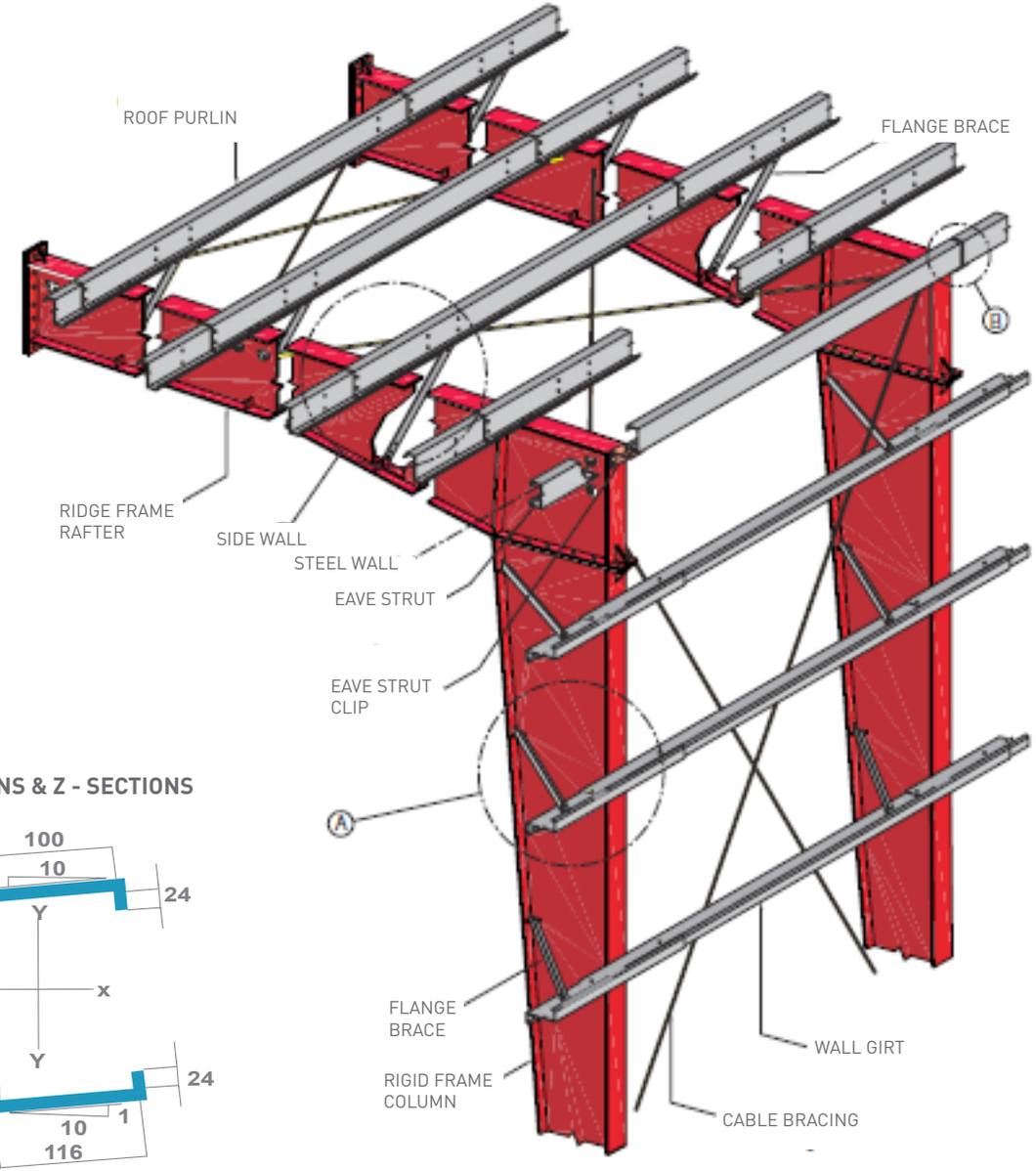
The material of cold- formed members conforms





C-SECTIONS & Z - SECTIONS

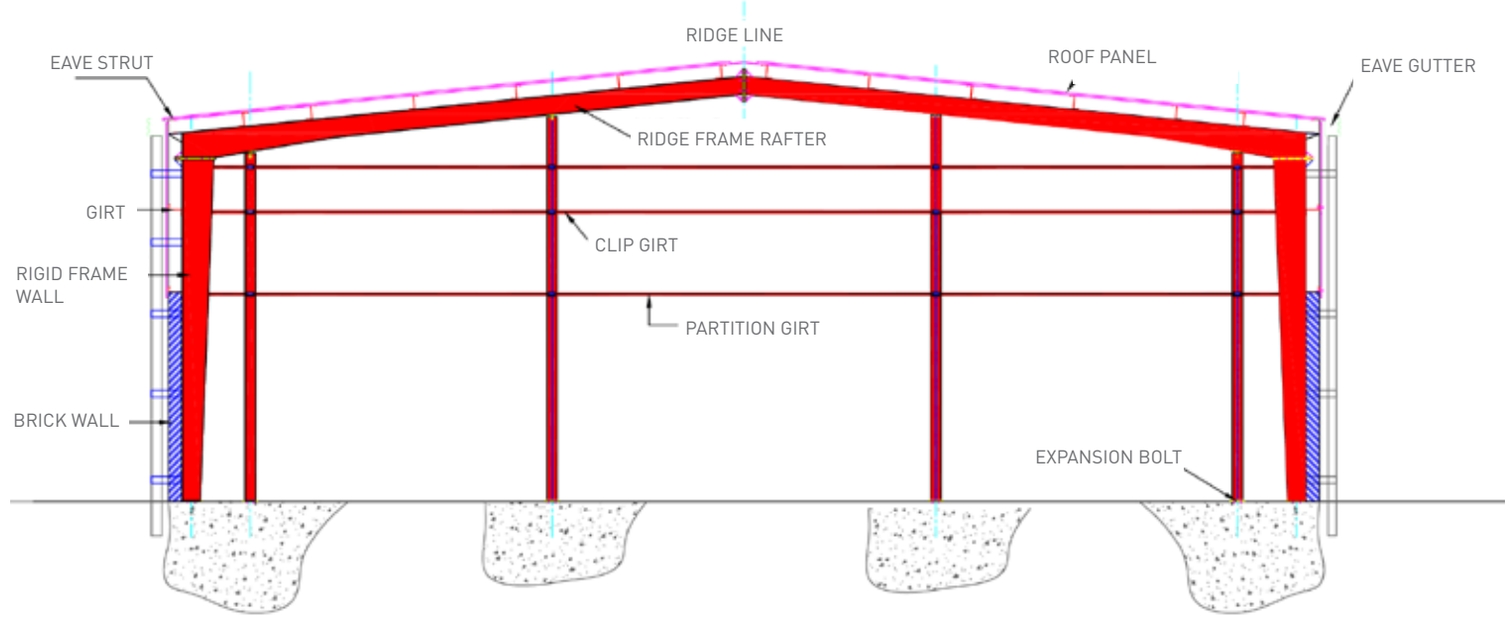




C- Sections &
Z - Sections

to ASTM A653M grade SS 340 class 1 or equivalent with Zinc coating to Z 275 designation (275 g/m2). We supply, zinc coating which is 120 gsm, 180 gsm and 275 gsm.

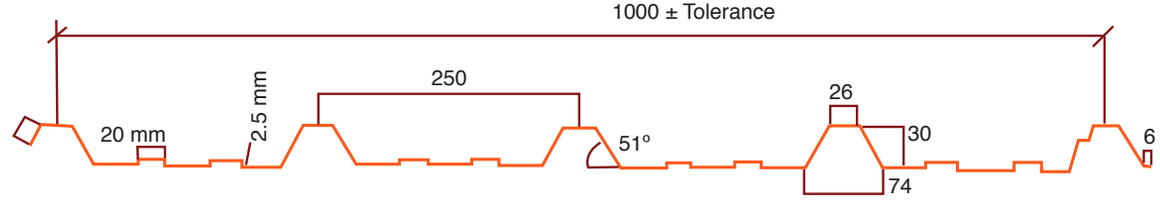
PARTITION INTERIOR DIVIDING WALL

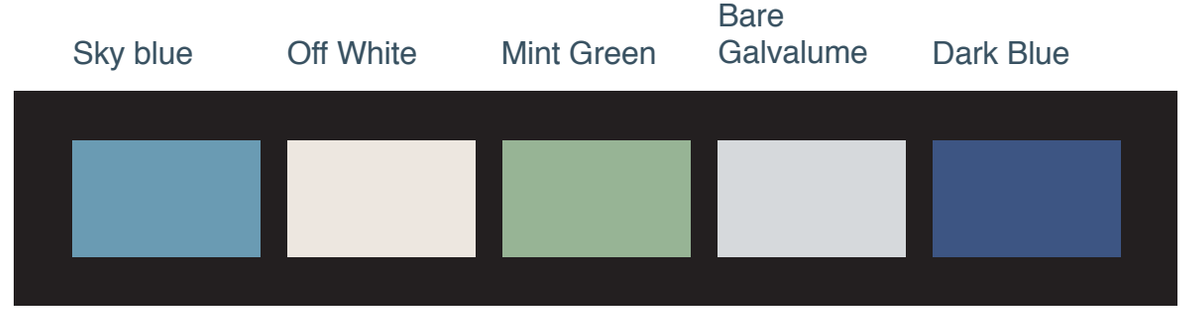


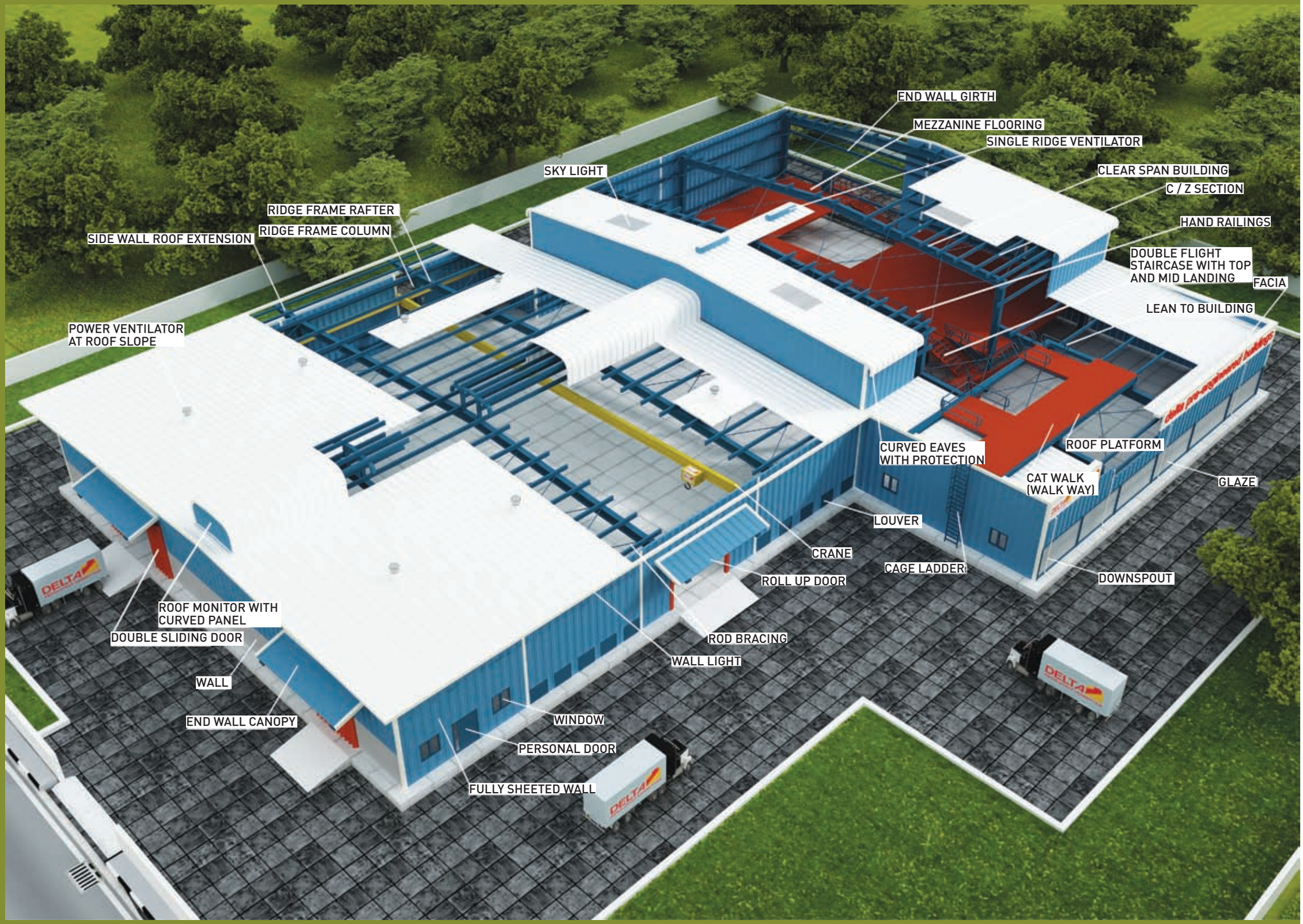
Sheeting

Roof and wall panels are roll- formed sections for 0.45 mm to 0.5 mm thick Aluzinc color coated steel. Standard roof panels are made from bare Aluzinc coated steel. Panel paint film thickness is 25 microns on the exterior weather face and 5-7 microns of PU compatible epoxy primer on the interior face. The sheeting material is cold-rolled, high tensile 550 Mpa yield stress, with hot dip metallic coating of Galvalume 150 gm/m2 total, AZ 150 as per ASTM A792 or AS 1392, and wall coated with 25 microns regular modified polyester paint system applied on Zincalume.

Profile





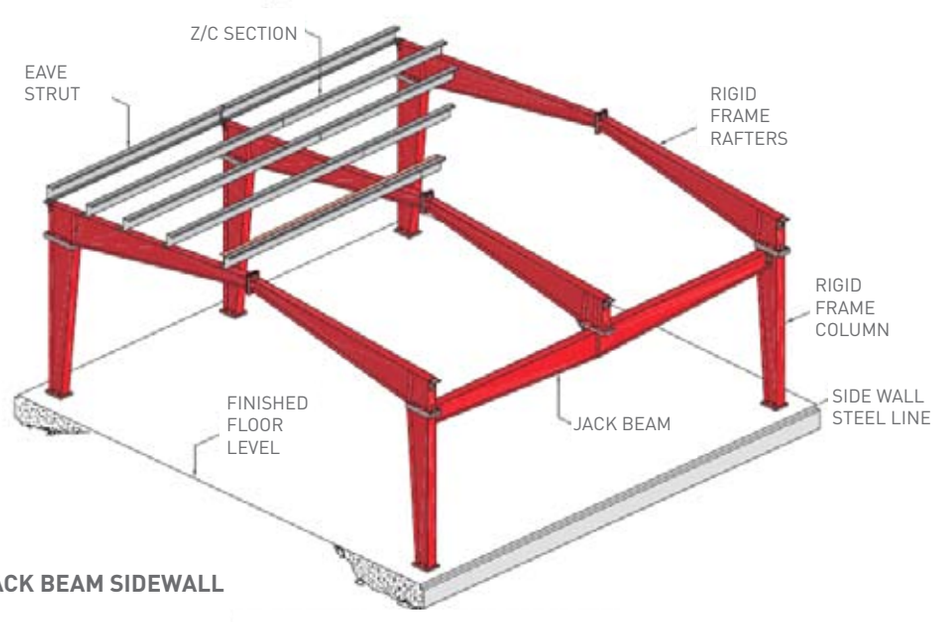

END WALL GIRTH
MEZZANINE FLOORING
SINGLE RIDGE VENTILATOR
SKY LIGHT
CLEAR SPAN BUILDING
C / Z SECTION
RIDGE FRAME RAFTER
RIDGE FRAME COLUMN
SIDE WALL ROOF EXTENSION
HAND RAILINGS
DOUBLE FLIGHT STAIRCASE WITH TOP AND MID LANDING
FACIA
LEAN TO BUILDING
POWER VENTILATOR AT ROOF SLOPE
CURVED EAVES WITH PROTECTION
ROOF PLATFORM
CAT WALK (WALK WAY)
GLAZE
LOUVER
CRANE
CAGE LADDER
ROLL UP DOOR
DOWNSPOUT
ROOF MONITOR WITH CURVED PANEL
DOUBLE SLIDING DOOR
ROD BRACING
WALL LIGHT
WALL
END WALL CANOPY
WINDOW
PERSONAL DOOR
FULLY SHEETED WALL

MEZZANINE FLOOR
Mahindra Showroom, Hyderabad

Sub Systems

The strength of the Pre Engineered Building system lies in its ability to incorporate a large number of structural sub-systems like **Cranes, Canopies, Fascias, Partitions, Roof monitors, Roof extensions, Bracings, Jack beams, Expansion joints, Mezzanines,** etc., We use standard components and standard design approaches to satisfy a wide range of client requirements.

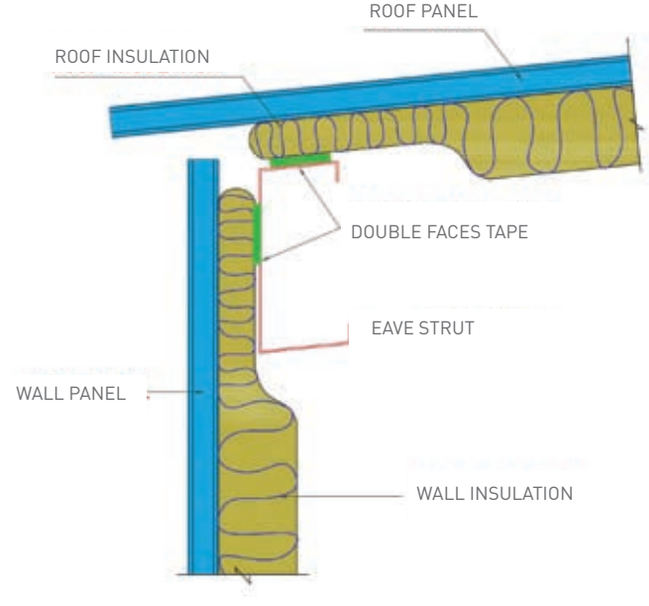
Sub Systems



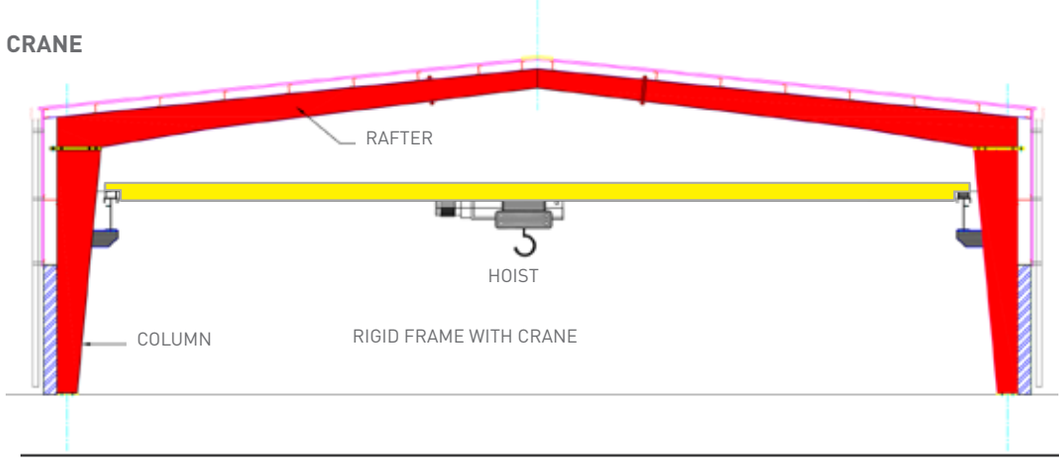
JACK BEAM SIDEWALL

CANOPY

INSULATION



CRANE



Accessories

A PEB can accommodate a variety of traditional and new age accessories, like Turbine ventilators, sky Lights, Roof monitors, Ridge ventilators, Windows, Louvers, Doors, Insulation material etc.

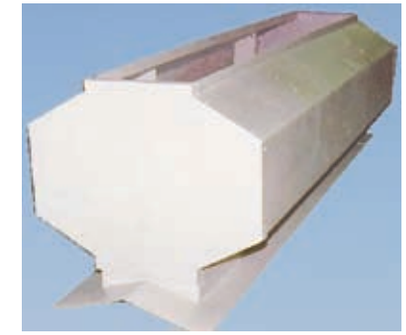
Turbine ventilators

Louver

Sky Light / Wall Light

Roof Monitor

Roll up shutter

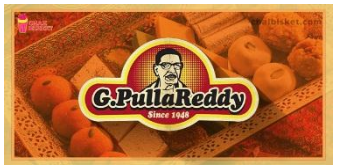


Ridge Ventilator

Why Delta Steel structures over conventional buildings?

SPECIFICATIONS	CONVENTIONAL	DELTA STEEL BUILDING
Material	More	**Less**
Quality	Normal As Site Managed	**Excellent, Factory Controlled**
Time Of Completion	More	**Less**
Aesthetics	Normal	**Appealing**
Future Expansion	Difficult Or Not Possible	**Easy**
Relocation	Very Difficult Or Not Possible	**Easy**
Maintenance	Required	**Not Required**
Flexibility	Not dismantle	**dismantle and reusable**

Our Direct Clients List Include....



Our Indirect Clients List Include....

→ Worked through OCTAMEC for GMR, Fabricated Aircraft Hangers.

→ Worked through HANMAEK for KIA motors, Fabricated Steel Structures.

Few of Our Completed Projects

Rain CII

Bharthi Polymers

Airport Hangers for GMR

Kals Breweries

Bhagiratha Chemicals

Sri Biotech Bhuvangiri

Indira Warehouse

Kaikaram

Laxmi Samanvitha Chebrol

Maha Teja Rice Mill

Nandini Tyres

Nova Carbon

PN Agro

Rudra Techno

Sai Satya Deva Spices

Sri Biotech Guntur

People Behind Delta

Working to provide you the best

Raja Narreddy
President & CEO.

Ravi Avula
HR Manager

Shaiksha Syed
Production Head

Satish Batchu
Finance Head

Y.Venkat Reddy
Business Development Manager

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Chintakommadinne
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We are Environment Friendly

Optimal material usage without compromising on factor of safety
Usage of reusable and recyclable material
Organized collection of rain water for harvesting
Usage of sunlight through skylights and wall lights for day lighting
Usage of wind through turbine ventilators for natural ventilation
Usage of suitable insulation for interior temperature control
Integrated operating system for error free execution
Wind Mill and solar panels are other installable features
Install Solar Panels for energy efficient solutions