



Believe in Quality



KANHA ENGINEERING PVT. LTD.

PRE ENGINEERED BUILDING SYSTEMS

SHEDS • FACTORY BUILDINGS • WAREHOUSES • HANGERS • ROOFING SYSTEMS

An Overview

Kanha Engineering Pvt. Ltd. is primarily a Manufacturing unit having interest in design, manufacturing, supply and erection of Pre Engineered Buildings (PEB) & in related fields and is a ISO 9001:2008 Certified Company.

The Company has two units - one at Bawal, Distt. Rewari (Hr.) and another in Gurgaon (Hr.), having facilities for manufacturing of complete range of **Pre Engineered Buildings, Profiled Metallic Sheets, Cold Form Members, Turbo-Ventilator and PEB Accessories like Flashings, Gutter, Down Take, etc.** Ensuring to meet the Stringent Project Schedule, the Company is supported by Strong and Efficient Design, Production and Execution Teams, capable of completing the project within the agreed schedule and with **Quality Finish**.

We have successfully executed number of PEB Projects with Cranes, Mezzanines and other facilities, throughout the country.

Apart from PEB, the Company provides Porta Cabins, Labour Hutments, Staff quarters at site, Guard rooms, Army & Telecom Shelters etc. and have supplied these to various Prestigious and large corporates.

Vision

"To be India's premier solution provider of all types of steel buildings & structural systems."

Mission

- To deliver high engineering steel buildings & structural systems in India. We shall continue setting standards for the industry by uncompromised quality, reliability and service.
- To offer innovative solutions for all types of building projects.
- To adapt our systems and practices to meet the requirements of Indian markets.

Our Working Environment is based around our values:

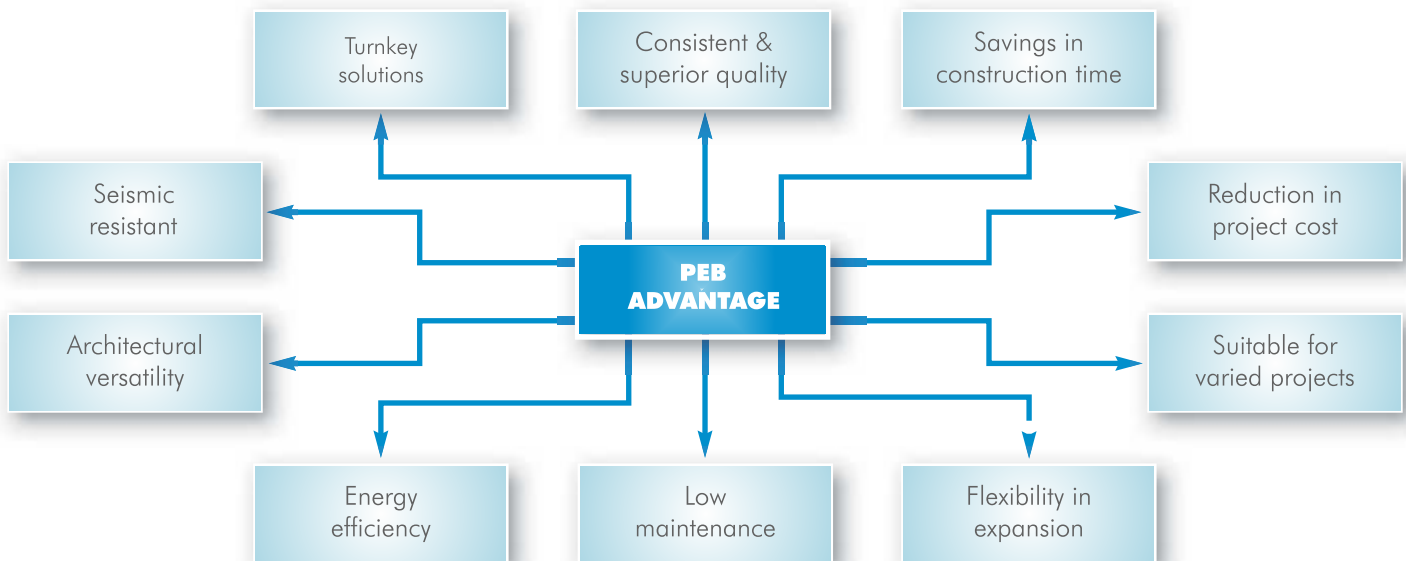
- Straight Talking
- Customer Centric
- Diversity & Respect
- Empowerment
- Employees as core values
- Team Work

Client Satisfaction:

- We are client centric organization thus, we believe in offering International Quality, affordable price and timely delivery.
- Owing to our advanced manufacturing facilities and a team of hard working people, we have been able to offer customization solution to our esteemed clients and to meet delivery schedules.



Why PEB Buildings



Cost Saving

- Steel buildings can cost 35-50% less to build than conventional construction methods.
- Single source responsibility also spells less project manpower, equipment & infrastructure required at customer end.

Speedy Construction

- PEB are the solution if speed and ease of construction are of primary concern.
- Average 6-12 weeks time until completion.

Design Flexibility

- Buildings designed with aesthetic details as per client requirements.
- Strong foundations, primary designs & flexibility of future expansion.
- Professional designs with architectural flexibility.

Durability & Resistance

- Resilient to hard weather condition like fire, earthquakes, storms & snow.
- PEB buildings are extremely durable.

Reduced Maintenance Costs

- Unlike wooden structures, metal buildings will not rot, warp, crack and do not require re-painting.
- With rust resistant finishes and high-performance paint finishes most buildings are supplied with a 10-20 year warranty against chipping, cracking, blistering & peeling.



PEB Applications



Industrial Building



Residential Building



Warehouse

School Building



Stringent PEB Processes

Main Frame

- Primary Members
 - Columns
 - Rafters
- Secondary Members
 - Purlins
 - Girts



Column



Rafter



Z-Section



C-Section

Sheeting

- Roof
- Wall
- Fascias etc.



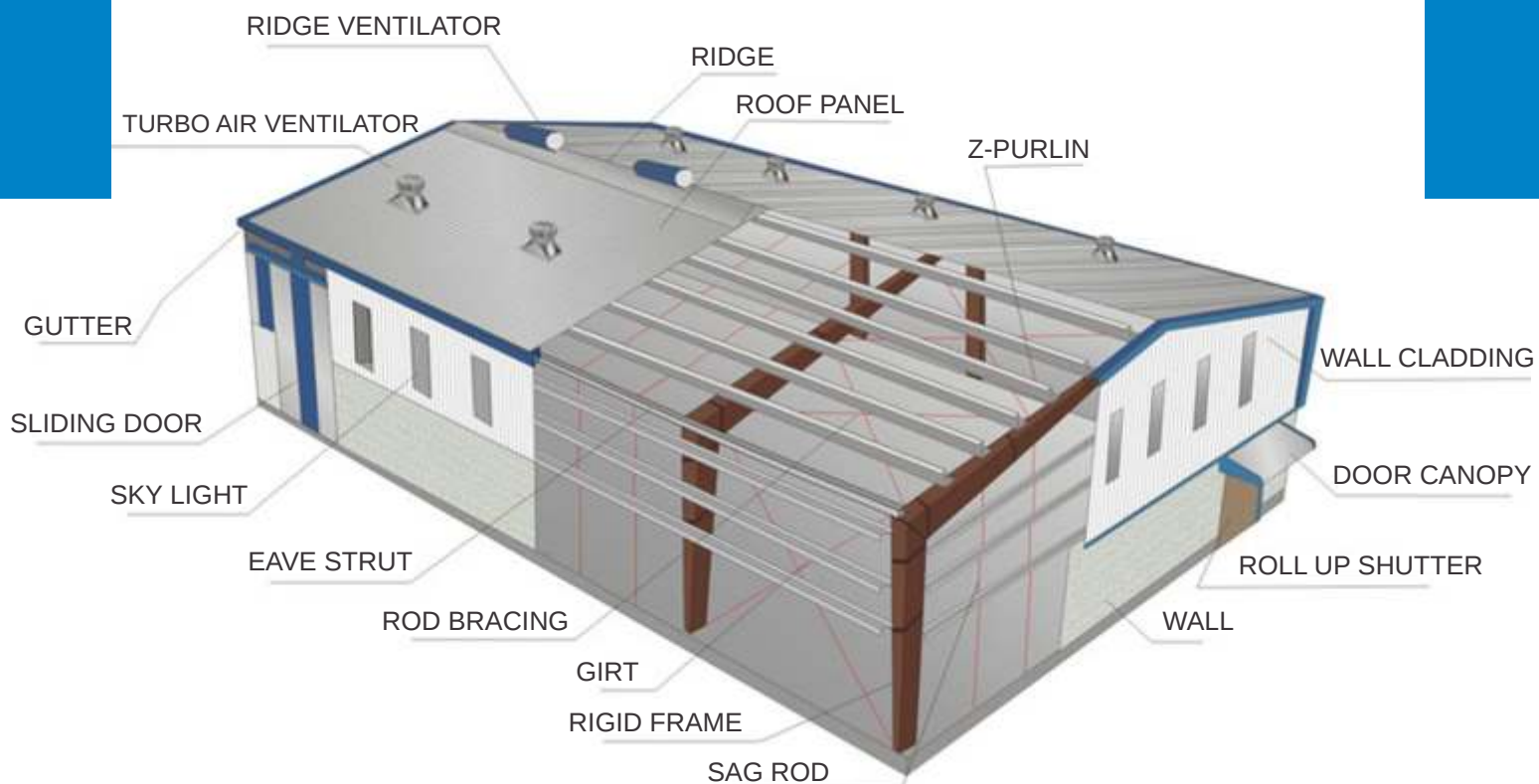
Sheet

Accessories

- Ventilators
- Sky Lights
- Misc.

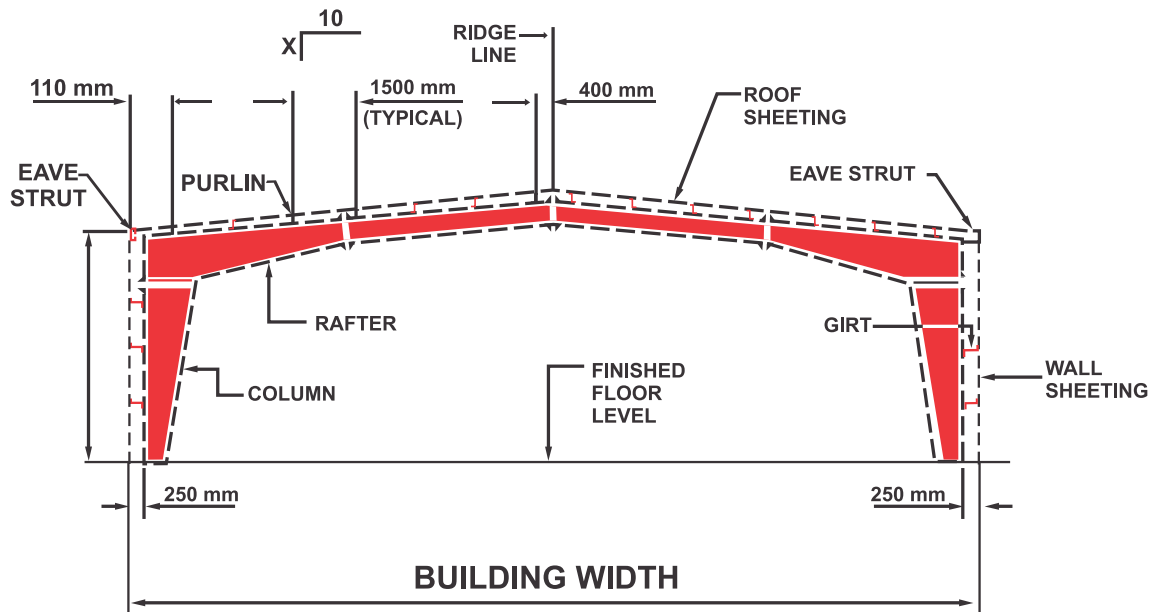


Sky Light



Building Nomenclature

The basic parameters that define Pre-engineered buildings are.



Building Length

- This is defined as distance between the steel lines of opposite end walls. Building length is a combination of several bay lengths.

Building Width

- Building width is the distance between the steel lines of opposite sidewalls. This does not include lean-to building width or roof extension.

Building Height

- Building height is distance from the bottom of the main framed column base to the top cap plate of the main framed column.

Bay Spacing

- Bay spacing is the distance between two adjacent main frame columns.

Steel Line

- Steel line is defined as distance between center of main frame/gable column to the inside of sheeting line.

Roof Slope (x/10)

- This refers to the angle of the roof w.r.t the horizontal base. The standard roof slopes are 0.5 or 1.0 unit of horizontal run.

End Bay Length

- This is defined as distance from outside of outer flange of end wall columns to centre line of first interior frame.

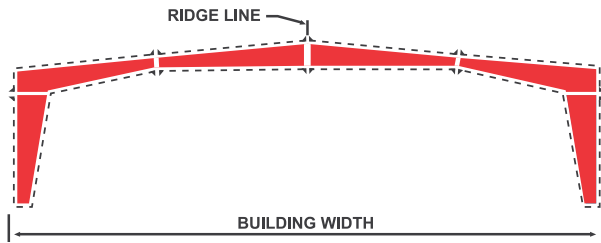
Interior Bay Length

- This bay length is the distance between the centre lines of two adjacent interior rigid frame columns.

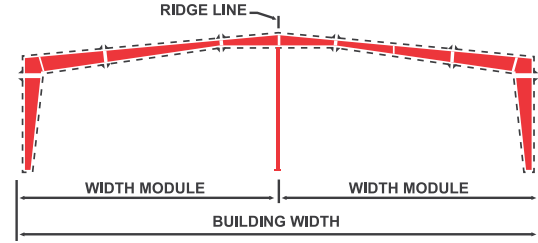
Structural Framing Systems

KANHA Pre Engineered Buildings are optimized to meet specific requirements of each client. Main framing is designed and detailed in such a way that only bolted connections are required.

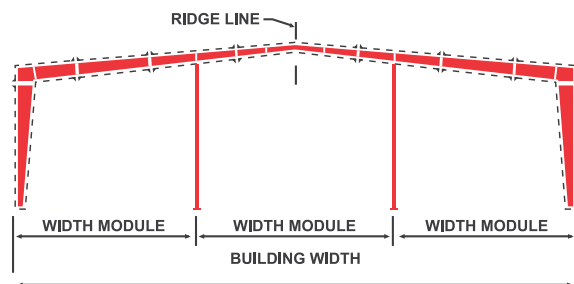
Commonly used framing systems are shown below.



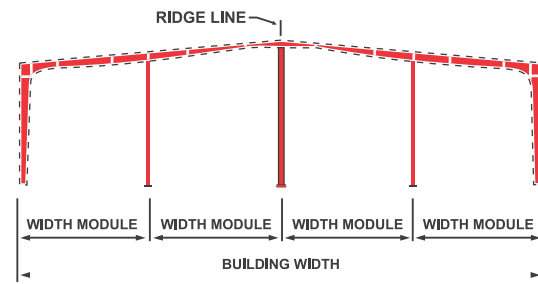
TCCS (TAPERED COLUMN CLEAR SPAN)



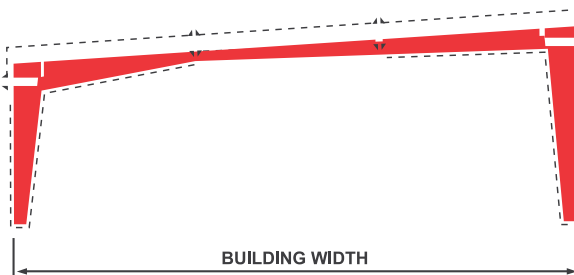
TCMS-1 (TAPERED COLUMN MULTI SPAN-1)



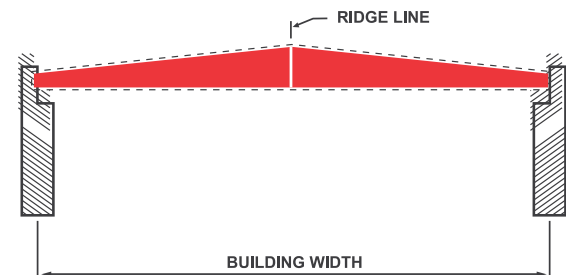
TCMS-2 (TAPERED COLUMN MULTI SPAN-2)



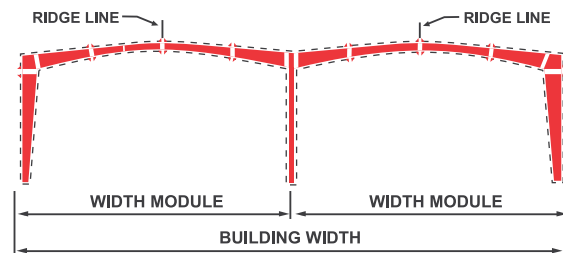
TCMS-3 (TAPERED COLUMN MULTI SPAN-3)



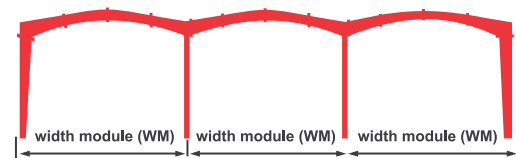
SSCS (SINGLE SLOPE CLEAR SPAN)



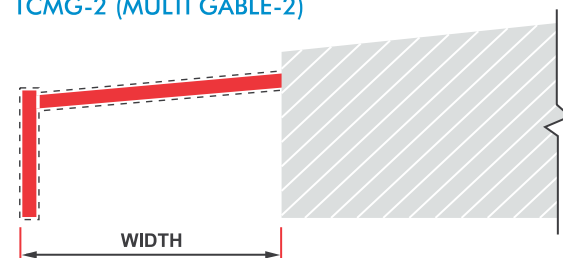
TRCS (TAPERED RAFTER CLEAR SPAN)



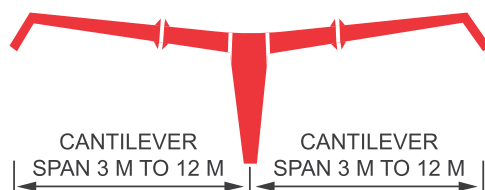
TCMG-2 (MULTI GABLE-2)



TCMG-3 (MULTI GABLE-3)



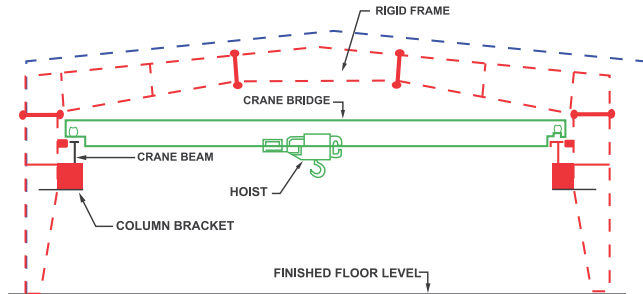
LT (LEAN TO AREA WITH CLEAR SPAN)



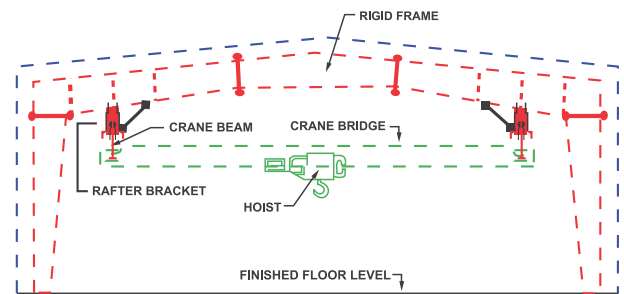
BUTTERFLY CANOPY

Crane Systems

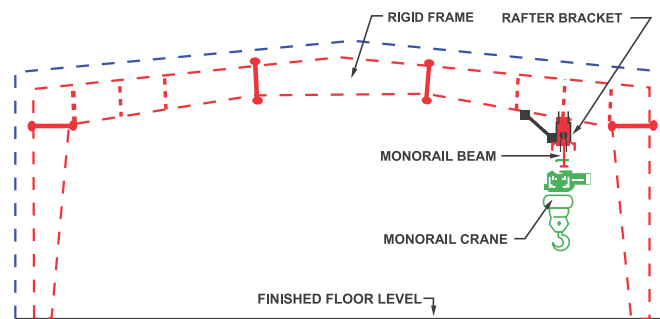
When a crane system is required, **Kanha Engineering** supply is usually limited to the supply of column or rafter brackets and the crane runway beams that support the crane system. Kanha Engineering needs the customer's complete crane system information to design and estimate crane buildings.



TOP RUNNING CRANE SYSTEM



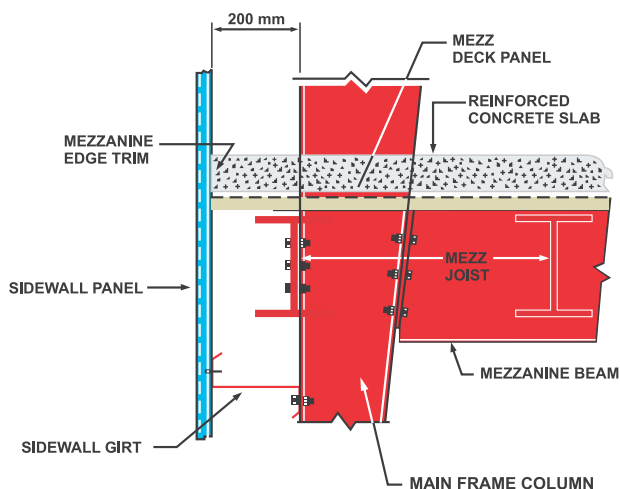
UNDERSLUNG CRANE SYSTEM



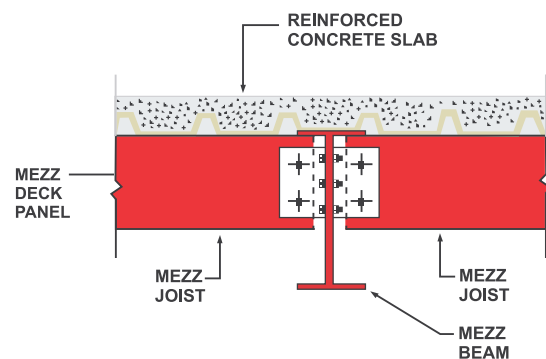
MONORAIL CRANE SYSTEM

Mezzanine Systems

Kanha Engineering mezzanine framing system consists of a steel deck supported by joists framed onto main mezzanine beams. The economy of a mezzanine system is affected by the applied loads (dead, live and collateral) and mezzanine column spacing.



MEZZANINE BEAM CONNECTED TO MAIN FRAME COLUMN



MEZZANINE JOIST CONNECTED TO MEZZANINE BEAM

PEB Accessories

Ridge Vent



Flashings



Gutter



Turbo Vent

Why Kanha Engineering

1. Capacity to Deliver

- Kanha Engineering holds the distinction of being one of the largest, fastest growing and fully integrated PEB manufacturing units.

2. Fully Integrated facilities & state-of-the-art equipment

- The hi-end, world class equipment and production lines ensure precision, speed & quality.
- At Kanha Engineering, all manufacturing activities are carried out under one roof...right from cutting, shearing, welding, punching and finishing to actual shipment.

3. Quality Control

- Kanha Engineering is committed to provide Quality work and has experienced in-house engineers, trained and qualified professionals to drive the quality control and is a ISO 9001:2008 Certified Company.



4. Complete Turnkey Solutions

- Kanha Engineering has a proficient design, engineering, procurement, manufacturing and execution team to execute PEB projects across the country on turnkey basis including civil work.

5. Project Management Capabilities

- On site co-ordination for better quality & timeline commitments.
- Full technical assistance to your requirements, right from conceptualization to completion of

A Few of Kanha Engineering Projects



Alwar



Bawal



Dharuhera



Kashipur



WE ARE FOLLOWERS OF QUALITY, TECHNOLOGY & COMMITMENT.

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