

INNOVATING CUSTOMIZED & OPTIMIZED STEEL BUILDINGS

Kartikaya Industries Private Limited

Pre-Engineered Buildings

Kartikeya Industries Private Limited is a versatile engineering industry established in 2013 near Sadasivpet (Hyderabad), Telangana. We are first generation entrepreneurs with vast experience of over 40 years in the field of Cold Forming, Heavy Engineering Fabrication, Pre – Engineered Buildings, Cold Forming and manufacturing Railway Coach Components and acquired expertise in running large professional organisations. We are also proud to inform you that our company is headed by experienced technocrats and engineers to deliver quality products with committed deliveries and at right price.

With factory anchored in a sprawling space of 15 acres at Mominpet, near Sadashivpet, Hyderabad in India's youngest state of Telangana, the unique engineering enterprise is strengthened with state of the art infrastructure for the manufacture of intricate profiles for a variety of applications.

While setting up new benchmarks for operational efficiencies, the plant is also amply equipped with advanced machinery for creating intricate profiles, such as Laser Cutting and Laser welding machines, CNC Auto Spot Welding Machines, CNC Plasma Profile Cutting Machines, H beam lines, SAW Welding Machines, CNC Press Brakes, CNC Shearing Machines, 3 Roll Bending Machine, C & Z Purlin profile Machines, Roof Sheeting and Deck Sheeting Machines and profile roll forming machines among others.

Backed by in-house capacity to deliver 36,000 MT per annum of Cold Forming Sections and Fabricated Structures, the products manufactured by the company are in conformity with Indian and International Standards.



Kartikeya Pre-Engineered Buildings



The advent of smart technologies has revolutionized the way manufacturing industry operates in the new age. New age manufacturing technologies gave genesis to Pre-Engineered Buildings (PEBs) in other words Prefab Buildings thereby achieving cost effective turnkey solutions within a set time frame tailored to industry specific requirement and so, changed the perspective of the construction and infrastructure industry. Katrikeya was quick to adapt to the global industrial demand for steel construction solutions and has since, made rapid inroads into Pre-Engineered Building Systems and Structural Steel sector.

What makes Kartikeya Pre Engineered Buildings (PEB) a cut above the rest is our highly skilled and experienced team of technologists who relentlessly endeavour to translate smart engineering to smart buildings. Pre-Engineered Buildings that can be customized and tailor-made to meet your specific needs. Having carved a niche as an innovator in offering complete turnkey steel construction solutions, Kartikeya is revolutionizing the PEB and Pre-Engineered Steel Structures ecosystem.

An adept team at Kartikeya, ensures that the manufacturing ecosystem comprises an admixture of engineering technology and design aesthetics; to ensure feasible Prefab Building solutions that encompass designing, detailing, manufacturing, on-site erection and maintenance to after sales service, all under one roof. It is this ability in transforming engineering theory into a sustainable model of engineering excellence that has earned Kartikeya the sobriquet of “PEB Wizards” in the industry.

The unwavering focus on application of smart technologies, has enabled Kartikeya to decode the matrix of complex challenges and provide durable, cost-effective and technologically superior Pre-Engineered Building solutions. Kartikeya team also takes pride in the use of the top-of-the-line manufacturing equipments at a fully integrated, state-of-the-art production facility with a capacity of 36,000 MT per annum.

Engineering Strength

KIPL has expertise in innovating customized and economical designs. Our team uses specialized design tools such as Staadpro, Tekla structures, AUTOCAD and latest cutting edge computer hardware.

Manufacturing Unit

Kartikeya has a state-of-the-art 2,00,000 SFT manufacturing facility at Sadasivpet, Telangana. The plant is fully kitted out with the latest machinery - CNC Plasma Profile Cutting Machines, EOT Cranes, Beam Lines, SAW Welding Machines, C & Z Purlin and Sheeting Machines, Decking Machines, etc. We have the capacity to deliver 24,000 MT of PEB Structures per annum.

Plant and Machinery



Typical Pre-Engineered Building

Our pre-engineered structures are made of Primary and Secondary Framing Systems.

Building Primary Framing Systems

Consist of columns and rafters. All these members are manufactured using high-strength grade plates, which are cut to the required size and shape.

- Intermediate Frames
- End Wall Frames
- Wind Bracing
- Crane Brackets
- Clear Span
- Beam Column
- Multi Gable
- T-Canopy
- L-Canopy
- Cantilevered Fascia
- Roof Monitor
- Crane Beams and Mezzanines

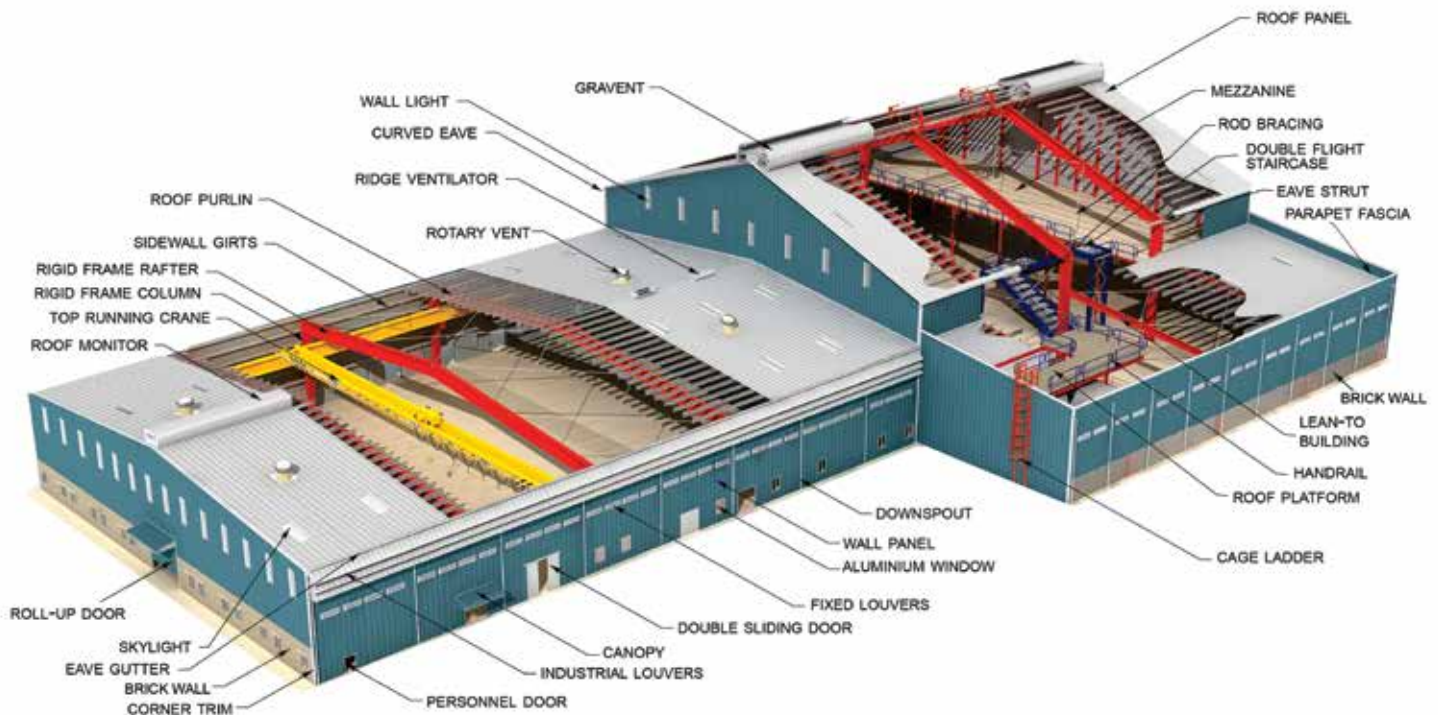
Building Secondary Framing Systems

Consist of Purlins, Eave Struts, Side Runners, Fascia, Channels, Door Posts, Window Posts, Rafter Stays, Column Stays and Base Angles. Cold-formed "Z" and "C" shaped structural members are cold roll formed light gauge, and can be custom made as per requirement.

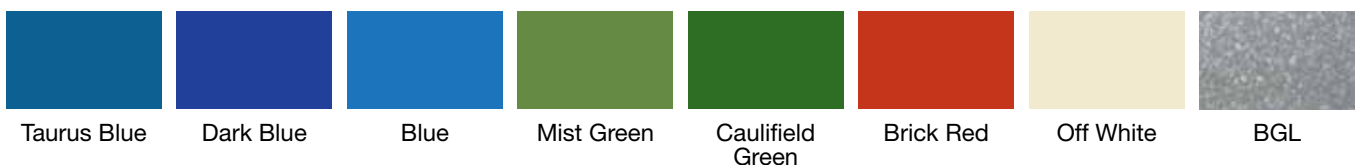
- Roof Purlins, Wall Girts and Eave Struts
- Roof and Wall Cladding Systems
- Roof Insulation and Wall Cladding
- Eaves and Gable Detailing

Applications

- Factories
- Schools
- Workshops
- Auditoriums
- Warehouses
- Restaurants
- Office Buildings
- Service Buildings
- Sport Halls
- Labor Camps
- Aircraft Hangers
- Petrol Pumps
- Function Halls
- Exhibition halls
- Cold Stores
- Sugar Mills
- Shopping Malls
- Cement Plants
- Distribution centers
- Community Centers
- Vehicle Parking Sheds
- Steel rolling mills
- Houses & Living Shelters
- Commercial Showrooms
- Railway Platform Shelters
- Telecommunication shelters
- Ceramic Factories
- Poultry-Dairy Farms
- Swimming Pool Enclosures
- "Almost" any low-rise building



Sheeting Colours



and other colours based on customers requirements are available

Kartikeya Standing Seam Roof System



The KIPL Standing SEAM roof system is one of the strongest and most weather-tight standing seam roof systems available in the industry today.

The Standing SEAM roof system acts as a monolithic membrane that completely protects your buildings. It is the most recommended roof systems for tropical, rainy, snowy or high wind (cyclonic) regions.

Using the KIPL Super SEAMER machine, the side laps of adjacent panels are seamed together creating a 360 deg. Double lock seam, which has machine-applied butyl sealant to ensure a secure,

weather tight leak-proof joint.

To further improve the weather-tightness of this roof system, the end laps may be eliminated by rolling Standing SEAM panels on site, using a mobile roll former. Standard Standing SEAM panels (rolled formed in the factory) have a maximum length of 11.5m, while Panels rolled on site can achieve a length up to 90 meters.

Standing SEAM is also offered as an Ultimate Re-roofing solution allowing for installation over an existing through-fastened rib type roof without removing the existing roof panels.

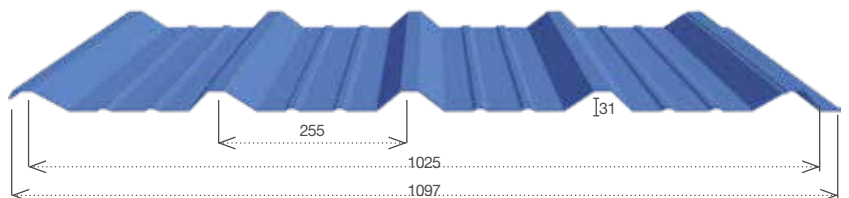
Secondary Members

Purlins, girts and eave struts are secondary structural members used to support the wall and roof panels. Purlins are used on the roof; girts are used on the walls and eave struts are used at the intersection of the sidewall and the roof.



Sheeting

The steel sheets are generally made from steel coils and Aluminium coils. Minimum thickness of steel coils used is 0.5 mm high tensile steel. The profiles depends upon the stiffness required, the governing loads (dead/live/wind) etc. The steel sheets are normally galvalume profiled sheets either plain or permanently colored for better anti-corrosion properties.



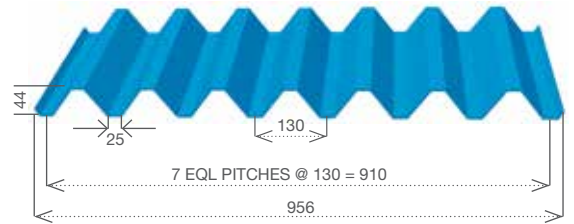
Roofing sheet thickness range from 0.4 mm to 0.8 mm.

Mezzanine System

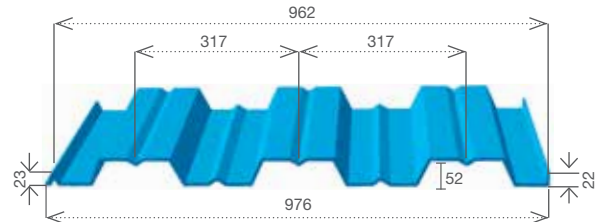
Standard mezzanine structure consists of built-up beams (that may be tapered for large spans or heavy loads) that support built-up, hot-rolled or cold-formed mezzanine joists which in-turn support a metal deck. A reinforced concrete slab is cast on the metal deck as a finished surface. The metal deck is not designed to carry the floor live loads, it is intended only to carry the reinforced concrete slab during pouring. The reinforced concrete slab must be designed to carry the floor loads. Interior mezzanine stub columns are hot rolled tube sections or built-up sections.



TUFFDECK - 44



TUFFDECK - 52



Deck sheet thickness range from
0.8 mm to 1.6 mm.

Accessories



Turbo Ventilator



Fixed Louver

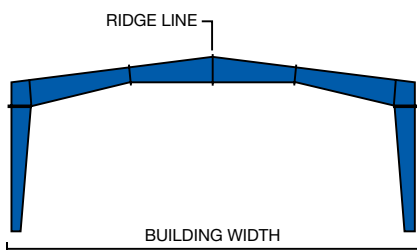


Cross Bracings

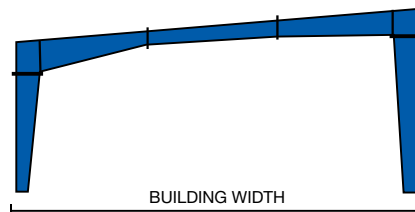


Sky Lights

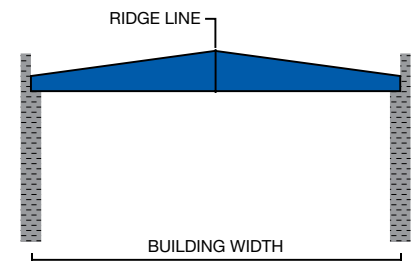
Types of Frames



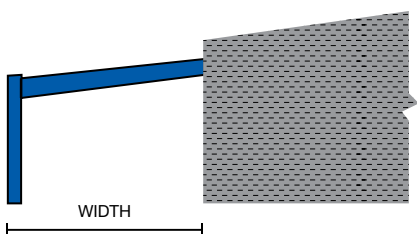
Clear Span (CS)



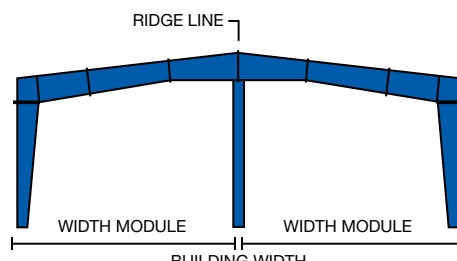
Single Slope (SS)



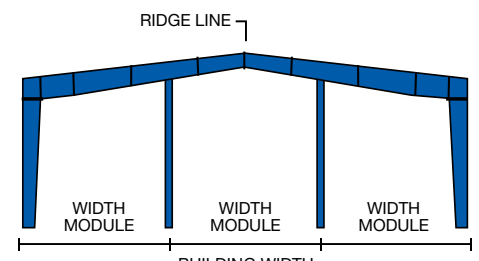
Roof System (RS)



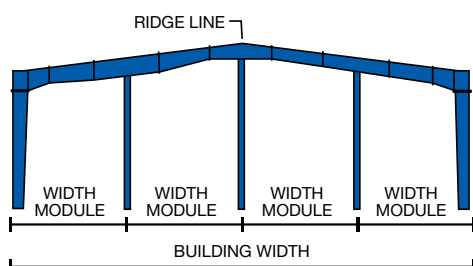
Lean-To (LT)



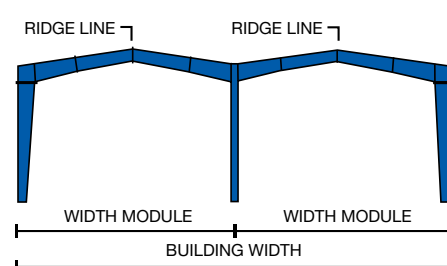
Multi-Span-1 (MS1)



Multi-Span-2 (MS2)



Multi-Span-3 (MS3)



Multi-Gablet (MG)

Executed Projects

Hindustan Coca Cola, Khurda, Odisha



NCC Crowns Ltd, Hyderabad



Super PS Building, CP Aqua, Rajahmundry



Ilios Breweries, Gopavaram, AP



Hyderabad MSW Energy Solutions, Hyderabad



Dr. Copper, Hyderabad



MRVC Building, ICF, Chennai



Vijay Polyplast, Hyderabad



Clientele



For a healthy growing India



Kartikeya caters to the following industrial segments

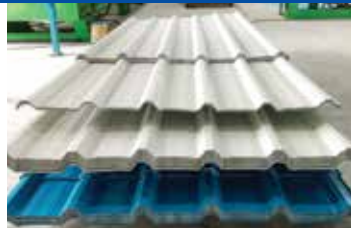
- EPC / Infrastructure / Power projects
- Steel Buildings / Pre-Engineered Buildings / High Rise Buildings
- Highways / Road Construction
- Railways
- Material Handling, General Engineering
- Solar Power Projects

Other Products

Steel Building Components



C & Z Purlins



Roofing Sheets



Decking Sheets



Trims and Flashings

Solar Module Mounting Structures



Ground Mounted



Seasonal Tilt & Tracker Type

Fabrication



General Engineering

Metal Crash Barriers



Road Safety Systems



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