

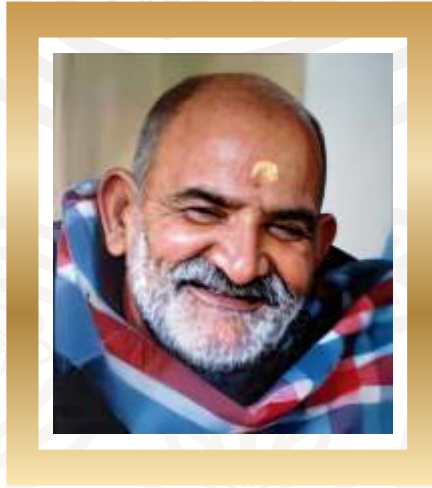
Modular Building Systems

BUILD WITH US

• FASTER • STRONGER • SMARTER • TO LAST •



- **PREFABRICATED SHELTERS**
- **MODULAR CONTAINERISED SHELTERS**
- **LIGHT GAUGE FRAME STRUCTURE**
- **PRE ENGINEERED BUILDINGS**



NEEM KAROLI BABA, KAINCHI DHAM

“We are filled with deep gratitude for your infinite grace in our lives. Your love and grace have sustained us through difficult times, and your blessings have filled our lives with joy and abundance.”

AJ Modular Building Systems are the manufacturer, suppliers, turnkey contractors & complete solution providers for high quality, economical, durable, versatile and eco- friendly products for multi-purpose applications.

AJ Modular Building Systems is a forward-thinking organisation, professionally run by Mr. Jagdeep Mathur – a dynamic, experienced entrepreneur with a demonstrated history of working in challenging environment for over past 30 years. With his vision & expertise, he focuses on team building, new ideas, innovation and utmost customer satisfaction.

AJMBS strength is its team of innovative, dedicated, experienced & qualified personals who work with a difference delivering the best. We work proactively towards building your dream project while maintaining right quality, quantity, your cost & time limitations effectively by studying & understanding your requirements clearly.

We design shelters, buildings & products using the latest software & parametric 3-dimensional technology. This intelligent & precise engineering ensures the highest level of building quality each time with accurate cutting-edge process. We help you reduce your building cost substantially by ensuring we engineer the strongest, most efficient Prefabricated & Modular Containerized Shelters, LGSF & Pre-Engineered Steel Buildings Systems by using the inherent benefits of steel construction.

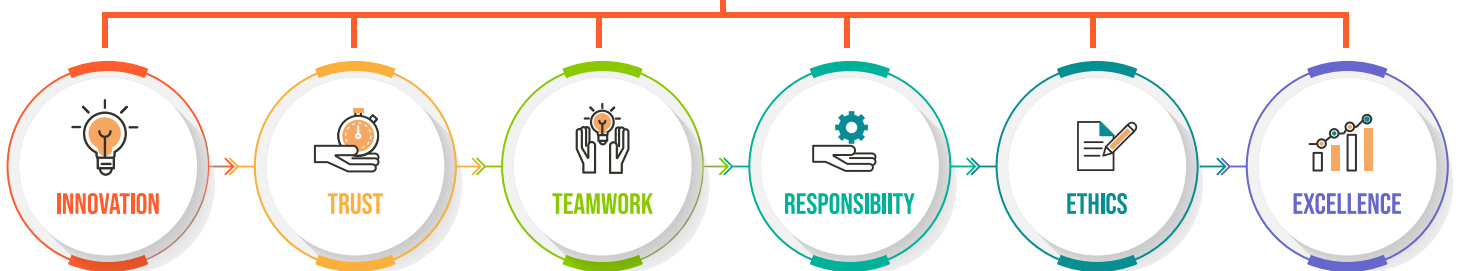
We act as your strategic business partners taking care of your construction needs professionally to ensure you receive faster & custom solutions without the aggravation of coordinating with multiple agencies & worrying about construction details yourself.

AJMBS SPECIALIZES IN

- PREFABRICATED SINGLE / DOUBLE STOREY PUF PANELS SHELTERS.**
- MODULAR / EXPANDABLE / COLLAPSIBLE CONTAINERIZED SHELTERS**
- LIGHT GAUGE STEEL FRAME (LGSF) SHELTERS & MULTI STOREY HYBRID BUILDINGS**
- PREFABRICATED K HOUSE LABOUR CAMPS**
- PORTABLE & CONTAINERIZED TOILETS**
- PRE-ENGINEERED STEEL BUILDINGS**
- SUSPENDED FALSE CEILING SYSTEMS**
- SOLAR PANELS GI FRAME STRUCTURES**
- C & Z PURLINS**
- PPGI ROOF PROFILE SHEETS**



OUR CORE VALUES



Our Quality Management System (QMS) is designed to ensure that all our products meet the highest standards of quality, safety and sustainability. We strive to provide our customers with the best possible service, and we are dedicated to meeting their needs and exceeding their expectations.

Our QMS includes the following key elements:

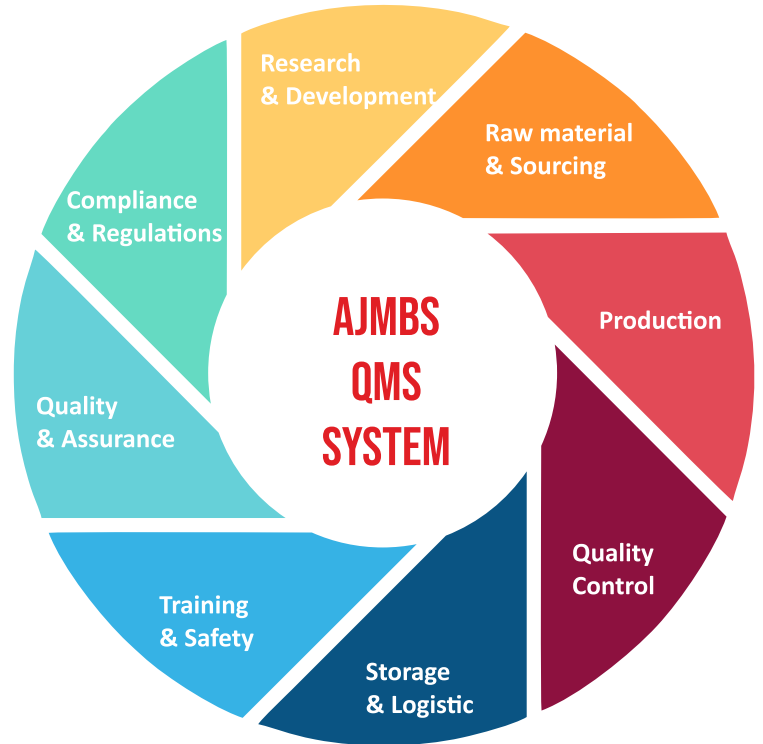
Quality Planning: We identify the specific quality standards and specifications for each project, and determine how to meet those standards throughout the design, manufacturing and installation process.

Quality Control: We monitor and inspect all our products at different stages of production to ensure that they meet the established quality standards. We also conduct regular audits to identify and address any potential issues or defects.

Quality Improvement: We continuously seek ways to improve the quality of our products and services. We review our QMS regularly to identify areas for improvement and implement changes as needed.

Compliance and Standards: We comply with all relevant industry standards and regulations, including ISO 9001, to ensure that our products meet the highest safety and sustainability standards.

Communication and Feedback: We communicate our Quality Policy to all employees and provide regular training to ensure that they understand and adhere to our QMS. We also encourage customer feedback to understand their needs and expectations, and to identify areas for improvement.



VISION & MISSION STATEMENT

Our Vision is to achieve market leadership & Increase the value of our company by exceeding customers expectation with our prompt & quality service while delivering projects and we want to attain this with a difference by employing Innovative thinking, creative work strategies and operating excellence that consistently meet international standards in every segment of our company.

Mission Statement

With a well-defined direction in place, the path to realizing our Vision is based on fundamental drivers, instrumental in achieving our goals. Our mission:

To undertake business contracts with a focus on becoming the leader in our field while building excellence in every aspect to meet customers' stringent requirements regarding quality, on-time delivery, safety and environmental concerns.

To develop an effective management that stresses productivity, perpetual development of the organization, and instilling work ethics in all personnel.

To build value for the organization in order to become exclusive and an organisation with a difference.

To remain focused on controlled organizational growth and recognizing those who contribute to this growth.



Prefabricated technology has gained widespread acceptance in recent years as a cost-effective and fast solution for affordable housing. Prefabricated Shelters are structure that are factory built generally designed for fast manufacturing and are shipped to the desired location in CKD form and can be assembled quickly and easily at site. Prefabricated shelters are often used in remote locations where traditional building materials are not readily available. They provide a safe and secure place to live and work.

The use of prefabricated components helps to streamline the construction process and reduce the overall cost of the project while conforming to strict quality controls for both raw materials and finished components ensuring consistent quality and durability of the finished product each time.

Prefabricated Shelters are customized to the client's specific requirements, location and climatic conditions. Overall, prefabricated shelters offer a quick and cost-effective solution for those in need of Immediate accommodation / housing. They are easy to assemble, transportable, and designed with environmental sustainability in mind.



Military Applications: - Prefabricated shelters are often used by the military, & police forces for providing soldiers with a secure and comfortable place to work & rest during operations. Examples like soldiers barracks, accommodation, operational offices, cook houses, dining halls, store shelters, transit camps etc.

Emergency Shelters: Prefabricated shelters are often used to provide immediate housing for people affected by natural disasters or other emergency situations. They are easy to set up and can provide a safe and comfortable living space for those in need. Examples like disaster relief shelters, hospital buildings, low-cost housing.

Construction & Mining Sites: Prefabricated shelters are used on construction sites to provide company & labour / workers with a safe & hygienic working & living place. Examples like site offices, site accommodation, labour work force camps.

Government Programmes: - Prefabricated shelters are often used to provide school classrooms for children's, anganwadis at villages , health centres at village , block level, under various government & ngo & co-operative social responsibility programmes.

ADVANTAGES

- High Quality, Durable, Economical, Robust Construction
- Light Weight Shelters, Speedy Construction, Highly Insulated.
- All Weather Resistance. Designed For Earthquake, Wind & Snow Loads.
- Eco Friendly Construction. Termite, Water- & Fire-resistant Shelters.
- Custom Solutions, Long Life, Flexible, Versatile & Easily Re-locatable Shelters.
- Attractive Design ,customized To Your Need With A Beautiful And Elegant Finish.
- Can Also Be Erected On Steel Based Frameworks, With Floorboards, Steel Deck Etc. Based On Customer Requirements.

Over last few years Polyurethane foam panels commonly known as PUF panels have become an essential element in the construction of prefabricated shelters due to its vital features of Insulation, rigidity, superior aesthetic appearance, simple Installation & being maintenance free panels.

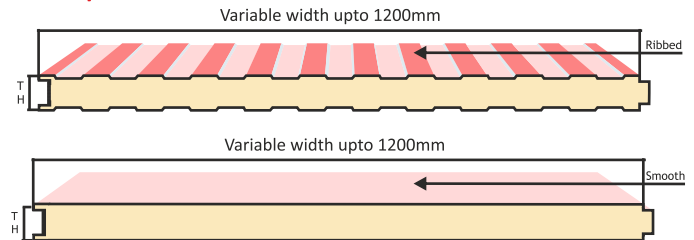
Prefabricated shelters are manufactured at plants, under stringent quality controls for the raw materials & finished components which help maintain product consistency & quality of the construction each time.

These panels are produced on automatic computerised machinery in which CFC free (Chloro-Fluro Chlorine) chemicals which are injected under high pressure to ensure production of consistent high quality panels each time. These Panels are interlocked with each other using cam-locking systems & tongue and groove arrangement, which ensures accurate interlocking of panels and dimensional accuracy. The CFC free technology is also environment friendly, non ozone depleting which is promoted worldwide including India.

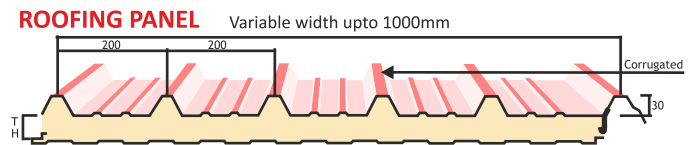
TECHNICAL PROPERTIES OF PUF

DENSITY	40 ±2 kg/m ²
COMPRESSIVE STRENGTH At 10% deformation	2.1 kg/cm ²
TENSILE STRENGTH	3.7 kg/cm ² BENDING
STRENGTH	4.0 kg/cm ²
ADHESION STRENGTH (Foam to Steel)	2.9 kg/cm ²
DIMENSIONAL STABILITY (48 hours)	
-25°C	0.1%
-38°C & 90% RH	0.1%
-100°C	0.4%
CLOSED CELL CONTENT	90-95%
TEMPERATURE RANGE	-180°C to 110°C
THERMAL CONDUCTIVITY 10°C (Design Value 0.020 k-cal/m-hr°C or 0.23 W/m-k)	0.018 k-cal/m-hr°C
FIRE RESISTANCE Horizontal Extent Of Burn BS 4735	<125mm
SELF EXTINGUISHING ASTM D 1692 (Fire retarded foam chemical) Not easily ignitable as per BS: 476 Pt.5 & Class-I as per BS: 476 Pt.7 (for panel)	Passes
WATER ABSORPTION	0.2% volume at 100% RH
WATER VAPOR PERMEABILITY	(At 90% RH & 38 C) 0.08 - 0.12gms/Hr m ²

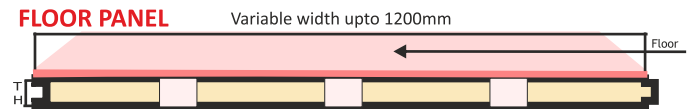
WALL / CEILING PANEL



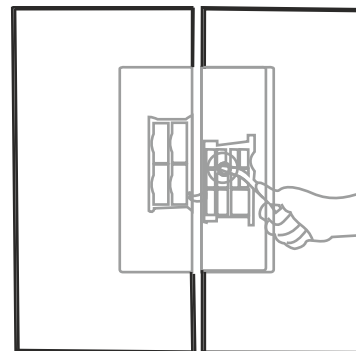
ROOFING PANEL



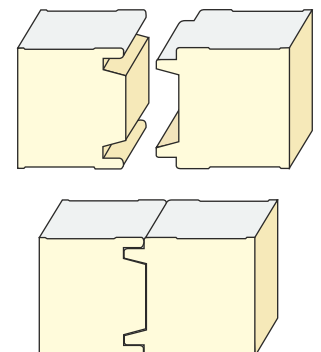
FLOOR PANEL



CAM LOCK INTERLOCKING



TONGUE & GROOVE INTERLOCKING



These Panels are interlocked with each other using cam-locking systems & tongue and groove arrangement, which ensures accurate interlocking of panels and dimensional accuracy. The CFC free technology is also environment friendly, non ozone depleting which is promoted worldwide including by India.

ADVANTAGES

- Controlled Atmosphere & Long Term Storage
- Easy & Quick Installation
- Controlled Temperature
- Light Weight, Easy to Cut
- Energy Efficient Rooms
- Lean Construction
- Modular Construction
- Cam-Lock Interlocking

APPLICATIONS

- Multi Storey Buildings
- Hangars
- Army Shelters
- Double Storey Buildings
- Hill Cottages
- Work Force Camps
- Refrigerated Vans
- Site Offices
- Cold Storage
- Vegetable Terminals
- Living Shelters
- Telecom Shelters

PREFABRICATED SHELTERS







PREFABRICATED K HOUSE LABOUR CAMPS



PREFABRICATED TOILET BLOCKS



PREFABRICATED MULTISTORY SHELTERS



AJMBS modular containerized shelters are an innovative and versatile solution for a wide range of housing and other needs. They are durable, portable, and environmentally friendly, making them a cost-effective and sustainable option for many applications.

Our containerized solutions are manufactured using best quality materials including versatile steel frame, environment friendly Insulated Panels for walls and ceilings, full electrical and lighting systems, Solar panels system, plumbing and ventilation systems, environmental control units, and other interior and exterior enhancements such as aluminium / Upvc doors and windows, for virtually making them self-sustainable units capable of operating either as individual facilities or integrated habitats.

Modular containerised shelters are quick to produce and are highly durable, portable and can be easily transported to remote & difficult locations. This makes them ideal for use in natural disaster relief situations and military emergency operations, where rapid deployment of housing and other facilities is urgently required. They can also be permanently mounted on civilian / army trucks for various medical, surveillance and patrolling requirements.

Each design is completely customized according to customer's need and choice. Based on our extensive knowledge and experience operating in challenging & harsh climatic locations we have the capability to design, deploy military shelters, emergency shelters and disaster relief shelters on a global scale.

HERE ARE SOME OF THE KEY BENEFITS OF CONTAINERIZED SHELTERS

Durability: Modular containers are designed to withstand harsh weather conditions and are made of strong steel, making them extremely durable and long-lasting.

Portability: Modular containers can be easily transported and relocated, making containerized shelters ideal for temporary or mobile structures.

Cost-effectiveness: Containerized shelters are relatively inexpensive compared to traditional building materials and can provide a cost-effective solution for remote construction applications.

Flexibility: Containers can be combined and customized to create structures of any size or shape, making containerized shelters a versatile solution for a variety of uses.

Eco-friendliness: Modular Containers reduces waste and decreases the carbon footprint associated with traditional construction methods.

Low Maintenance: Modular containers are low maintenance and require minimal upkeep, reducing maintenance costs and improving long-term sustainability.



APPLICATIONS

- **Temporary housing:** Containerized shelters can be used as temporary housing for disaster relief, emergency response, or refugee camps.
- **Work Spaces:** Containerized shelters can be converted into workspaces, such as offices, workshops, and storage units.
- **Living Spaces:** Containerized shelters can be converted into living spaces, such as studios, apartments, and homes.
- **Retail Spaces:** Containerized shelters can be used as retail spaces, such as pop-up shops, food trucks, and market stalls.
- **Community Spaces:** Containerized shelters can be converted into community spaces, such as schools, medical clinics, and community centers.
- **Storage Units:** Containerized shelters can be used as storage units, providing a secure and weather-resistant storage solution.
- **Eco-Tourism:** Containerized shelters can be used as eco-tourism accommodations, such as lodges, campsites, and cabins.
- **Emergency Response:** Containerized shelters can be used as command centres and field hospitals in emergency response situations.

CONTAINERISED SHELTERS



DOUBLE STORY CONTAINERISED SHELTERS



EXPANDABLE CONTAINERISED SHELTERS



EXPANDABLE CONTAINERISED SHELTERS

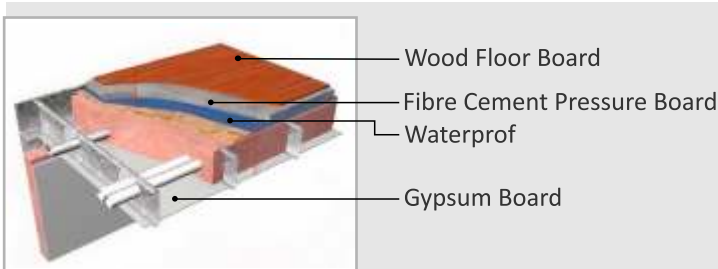


CONTAINERISED TOILET BLOCKS

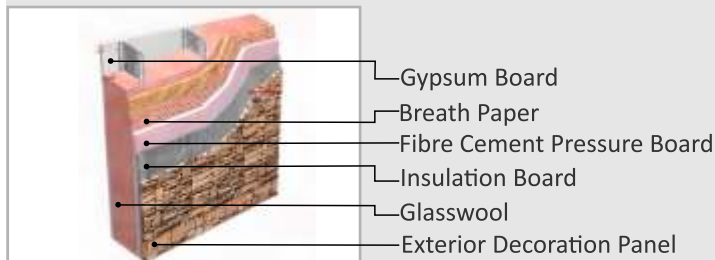


FEMS

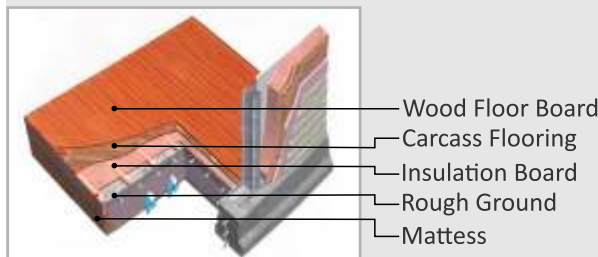




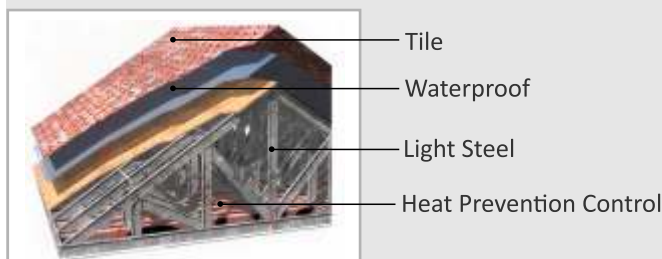
FLOOR SYSTEM



WALL SYSTEM



GROUND SYSTEM



ROOF SYSTEM

ADVANTAGES

Cost Effective: Light gauge steel frames are lightweight, which makes them less expensive to transport and install than heavier traditional construction materials such as concrete and brick.

Durable: Light gauge steel frames are incredibly strong, durable & flexible making them an excellent choice for buildings that can resist earthquakes, high winds, natural disasters and are also fire-resistant.

Eco-Friendly: Steel is one of the most recycled materials on the planet, making light gauge steel frames an environmentally friendly choice.

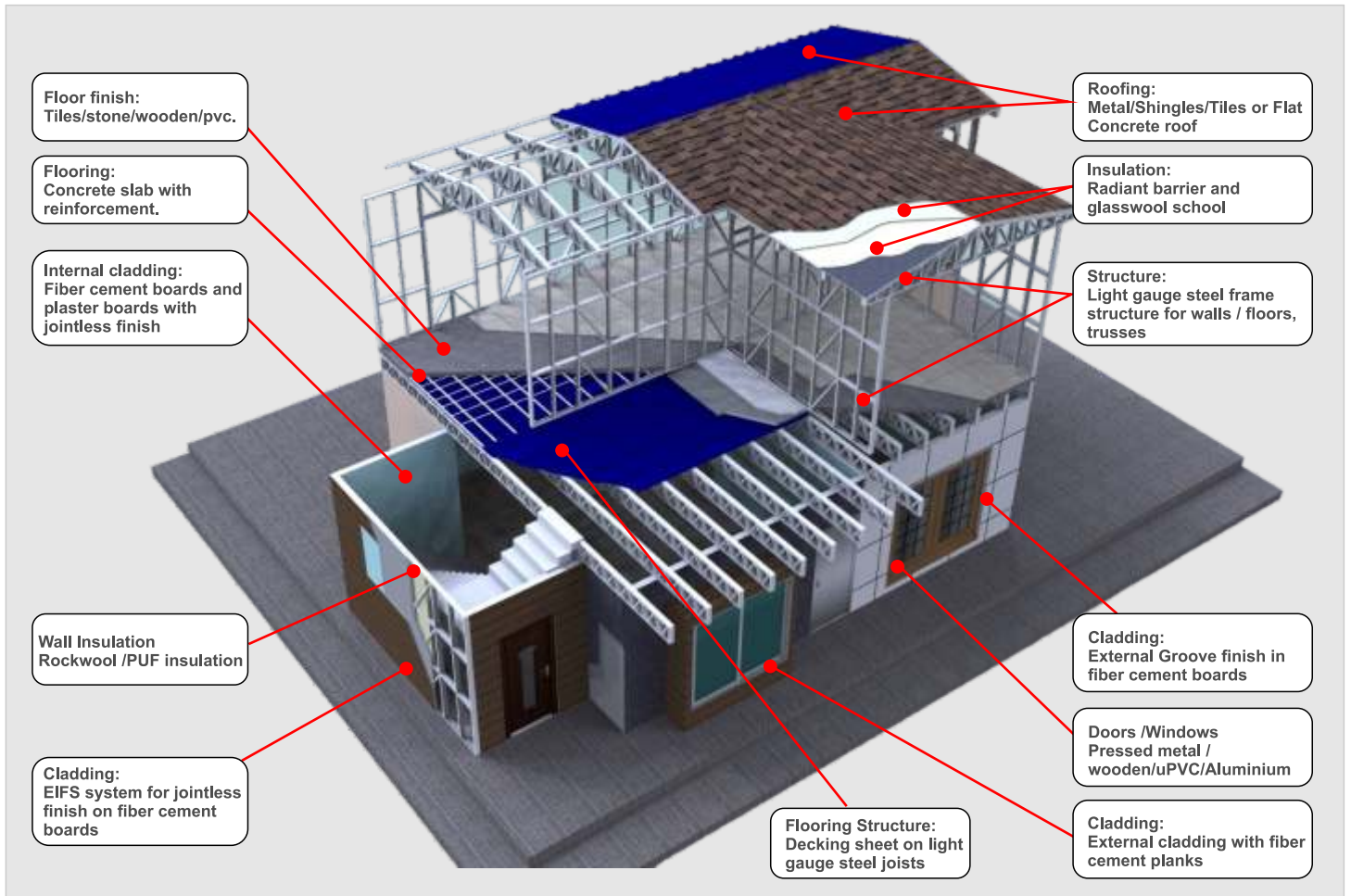
Versatile: Light gauge steel frame structures are extremely versatile and can be used in a wide variety of applications, from single-family homes to large commercial buildings.

Light Gauge Steel Frames can be quickly and easily erected with minimum disruption, saving time and money on construction costs.

Light gauge steel frame structures is a cold rolled formed advance building systems that is widely used in residential and commercial construction. Lgsf uses cold-formed steel GI steel members that are typically rolled into shapes such as c-sections, z-sections and are rivetted together to form custom frames. These frames, such as beams, columns, and joists members are connected together using bolts to create the desired structural shape. The steel frames are designed to meet stringent building codes, specific design criteria, energy requirements and are environmentally friendly making them an excellent choice for any type of construction project.

The steel frame structure is covered with a layer of insulation, along with internal & external building materials cladding which are aesthetically pleasing. The steel frame can be painted with a variety of colours and finishes, and it can be textured and shaped to create unique architectural designs. Steel frames can also be curved and shaped to create interesting architectural features.

Light gauge steel frame buildings are becoming increasingly popular as they offer several advantages over other similar structures. If you're looking for an energy-efficient, cost-effective, aesthetically pleasing building solution light gauge steel frame buildings may be the perfect choice for your new construction or additional construction requirements / projects.









Pre Engineered steel Building is a technological innovation that moves the conventional construction industry to the next level. Ever Since the industrial and commercial revolution in the country, need for economical, faster and durable constructions has become a priority. One of the revolutionary concepts for catering this demand is Pre Engineered Buildings.

Pre Engineered Steel Buildings (PEB) revolutionized the construction market using built up steel sections in place of conventional hot rolled sections.

Pre Engineered buildings is a steel structure built over a structural concept of primary members, secondary members, roof & wall sheeting connected to each other. The structural members are custom designed to be lighter in weight & high in strength. Pre Engineered Steel buildings can be fitted with different structural additions like mezzanine floors, fascias, canopies and crane systems as per user requirements. This technology provides endless construction possibilities in terms of value, strength & flexibility.

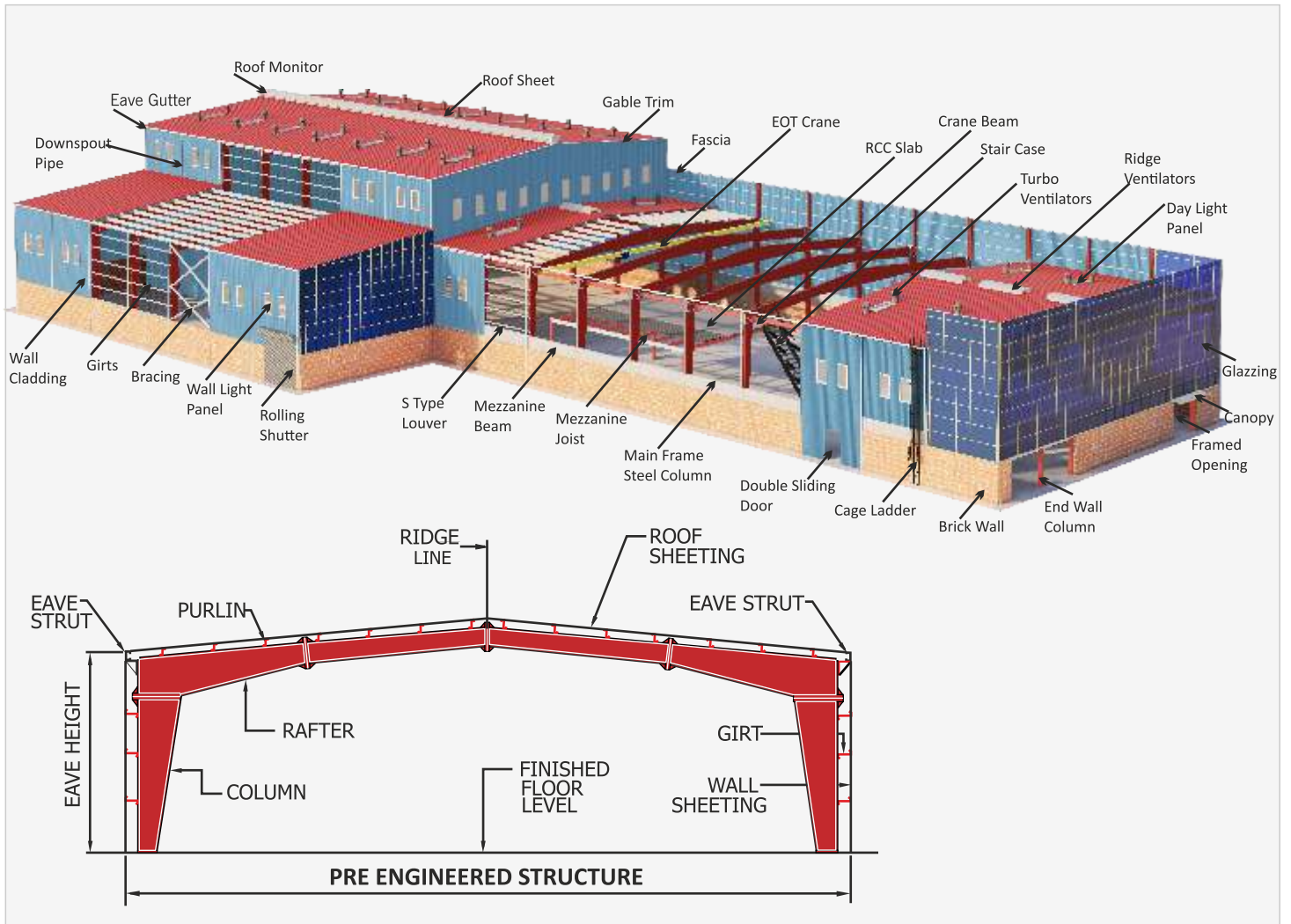


APPLICATIONS

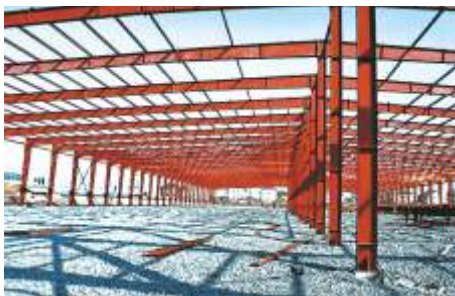
- Light & Heavy Manufacturing Industrial Sheds With Or Without Eot Crane.
- Power Plants, Sugar & Cement Factories, Fertilizers Plants.
- Warehouses, Logistics Buildings, Material Storage Godowns & Workshops.
- Cold Storage, Fruit, Vegetable & Food Processing Units, Commercial Showrooms.
- Airport Buildings & Aircraft Hangers.
- Ammunition Storage, Gun Sheds, Large Single Span Steel Road & Rail Composite Bridges.
- Railway Stations & Elevated Metro Stations & Depots. Sports Complex & Stadia's.
- Multi Level Steel Car Parking's, Fuel Station Canopies.
- All Kinds Of Multi Story Steel Buildings.

ADVANTAGES

- Economical & Proven Technology.
- Unlimited Design Flexibility. Large Clear Building Spans
- Speedy Construction, Excellent Quality & Strength, Unique Aesthetic Appearance.
- All Weather Resistance. Designed For Earthquake, Wind & Snow Loads.
- Eco Friendly Construction, Low Maintenance.
- Indian & International Buildings Construction Codes Compliant.
- Can Be Designed For Any Climatic Conditions.



- Pre Engineered Aviation Hanger PEB
- Pre Engineered Elevated Metro Stations
- Pre Engineered Industrial Sheds
- Pre Engineered Multi Level Steel Car Parking's



SUSPENDED FALSE CEILING SYSTEMS



WE ALSO DEAL IN FOLLOWING PRODUCTS

SUSPENDED FALSE CEILING SYSTEMS

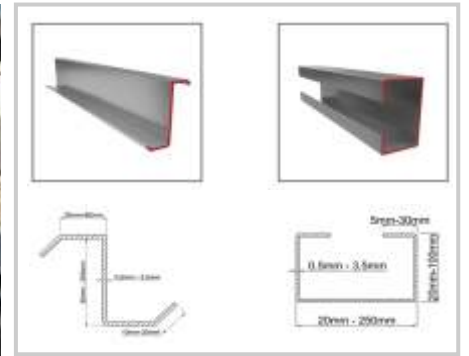
SOLAR PANELS GI FRAME STRUCTURES

C & Z PURLINS

PPGI ROOF PROFILE SHEETS



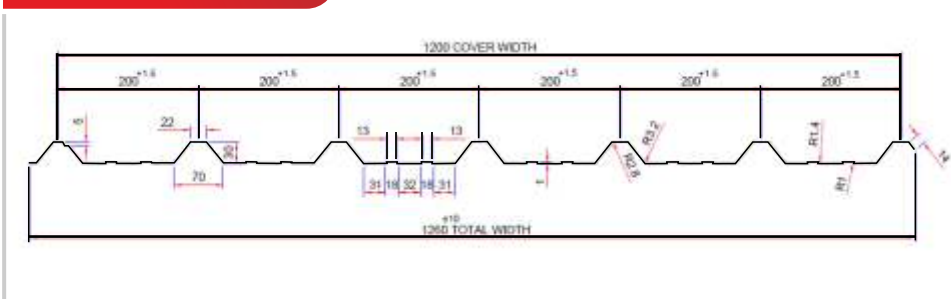
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**LIGHT GAUGE
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**PRE ENGINEERED
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**PREFABRICATED
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**MODULAR
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BUILD WITH US



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Regd. Office:

135, Siddhartha Enclave, Ashram
New Delhi-110014

Works:

5 K.M Stone, Sampla Beri Road,
Post-Kultana, Ismaila 11B Sampla,
Dist. Rohtak, Haryana 124501

Tel : +91-98100 14798  

: +91-93110 12398

Email : ajmodularbuildingsystems@gmail.com

Website : www.ajmodularbuilding.com
www.ajmbs.com