



JKT STEEL

PREFAB PVT.LTD.

PRE-ENGINEERED BUILDING



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WELCOME TO JKT STEEL

*"Innovative Steel.
Infinite Possibilities."*



ABOUT US

A Decade of Strength. A Future of Possibilities.

In 2017, JKT Steel Prefab embarked on a mission with a clear vision: to redefine steel construction in India. What started as a passion project by industry veterans has today become a trusted name in Pre-Engineered Buildings and steel fabrication.

At our advanced manufacturing facility, we don't just fabricate steel. We craft solutions that empower businesses, enable industries, and elevate infrastructure. Every beam, every joint, every finish reflects our obsession with perfection.

JKT Steel Prefab isn't just a company. It's a promise delivered—day after day, project after project.





O.P. YADAV **FOUNDER**

With roots in Delhi's Azadpur—the heart of North India's trading hub—Mr. Om Prakash Yadav started his journey in general fabrication in 1970. Over the decades, his hands-on experience, strong work ethic and deep understanding of steel laid the foundation for what JKT Steel Prefab is today—a legacy built on hard work and quality.

T.S. YADAV **FOUNDER**

With roots in Delhi's Azadpur—the heart of North India's trading hub—Mr. TS Yadav started his journey in general fabrication in 1992. Over the years, his hands-on experience, strong work ethic, and deep understanding of steel have contributed significantly to building the strong foundation of JKT Steel Prefab.



JITENDER YADAV **DIRECTOR**

Mr. Jitender Yadav has been associated with the PEB and steel fabrication industry since 2011. With deep expertise in design, production, project execution, and client coordination, he ensures every structure meets the highest standards of quality. His honest efforts and attention to detail have helped JKT Steel Prefab earn a reputation for reliability. A firm believer in teamwork, he constantly motivates his team to grow and excel.



At JKT Steel Prefab, strength begins on the factory floor. Our Bawal, Haryana facility is built for precision, scale, and consistency — with every stage under one roof. From raw material to finished dispatch, we control quality at every step. No delays. No compromises. Just steel, shaped with skill.

THE WORKFORCE

Behind every machine is a skilled mind. Our team includes certified welders with years of experience in heavy fabrication, skilled machine operators trained on modern roll forming and cutting lines, quality supervisors who inspect every batch before it leaves the factory, and production planners who ensure smooth workflow and on-time delivery. Together, they bring experience, pride, and precision to every project — big or small.

PRODUCTION CAPACITY

Our facility is capable of producing over 18,000 metric tonnes of fabricated steel annually. This allows us to handle bulk orders with ease, meet tight deadlines without rushing, and deliver consistent quality across multiple projects. Whether it's a single warehouse or a large industrial complex — we have the capacity to deliver.

ADVANCED MACHINERY

- ☐ CNC Plasma Cutting Machine - For precise profiling
- ☐ C& Z Roll Forming Lines - For uniform sections
- ☐ Profile Sheet Rolling Machines - For roofing & cladding
- ☐ Submerged Arc Welding Units - For strong, clean welds
- ☐ Hydraulic Shearing & Press - For custom bending

At JKT Steel Prefab, our factory is not just a plant. It is the foundation of every promise we make.



Pull Through Welding Machine



C.N.Z Roll Forming Machine



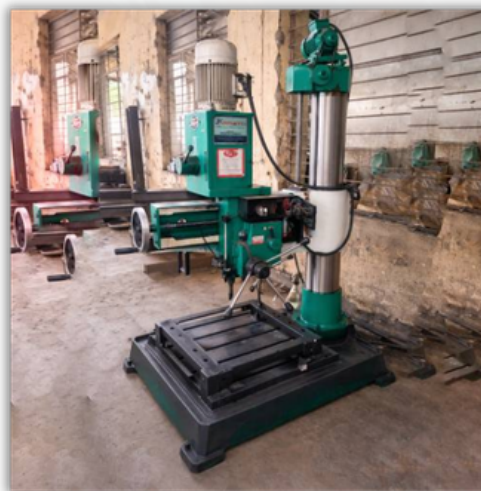
Sheet Roll Forming Machine



Deck sheet Roll machine



CNC Plasma Cutting Machine



Radial Drilling Machine



OUR VISION

To be the most trusted and preferred partner for Pre-Engineered Building solutions across India – known for uncompromising quality, structural excellence, and customer-first approach.

We envision a future where every industrial and commercial structure reflects strength, intelligence, and sustainability. Through continuous innovation and engineering mastery, we aim to set new benchmarks in the PEB industry – not just in India, but beyond.

Our vision goes beyond buildings. We aspire to contribute to India's growing infrastructure by delivering solutions that are efficient, environment-conscious, and built to last for generations.

We dream of a skyline shaped by steel – where every structure tells a story of strength, every beam reflects precision, and every project leaves a legacy of trust. Our commitment is to make JKT Steel Prefab a name that stands for excellence, reliability, and progress in every corner of the country.

Because we believe that the strongest structures are not just built with steel – they are built with vision, values, and an unwavering commitment to excellence.





OUR MISSION

We are committed to delivering high-performance Pre-Engineered Building solutions that blend advanced engineering with precision manufacturing. Every project we undertake is driven by three core promises:

► UNCOMPROMISING QUALITY

From material selection to final installation, we maintain the highest standards of quality — because we believe that a structure is only as strong as its weakest link.

► TIMELY EXECUTION

We respect our clients' timelines. Through streamlined processes and dedicated project management, we ensure every project is delivered on time — without compromising on quality or safety.

► CUSTOMER-CENTRIC APPROACH

We listen, we understand, we deliver. Every solution is tailored to meet the unique needs of our clients — from concept to completion and beyond.

Our mission is to build not just structures, but lasting relationships built on trust, transparency, and technical excellence. We strive to make every project a benchmark of durability, safety, and value.





PRE-ENGINEERED BUILDING (PEB)

JKT Steel Pvt. Ltd. specializes in delivering high-performance Pre-Engineered Building (PEB) solutions designed to meet the evolving needs of industrial and commercial infrastructure. Our PEB systems are engineered for strength, flexibility, and efficiency, offering faster construction timelines and optimized project costs without compromising structural integrity.

From concept design to final installation, we provide end-to-end PEB services, including structural design, detailed engineering, fabrication, supply, and erection. Each structure is custom-designed using advanced engineering software and high-quality steel to ensure durability, safety, and compliance with applicable standards.

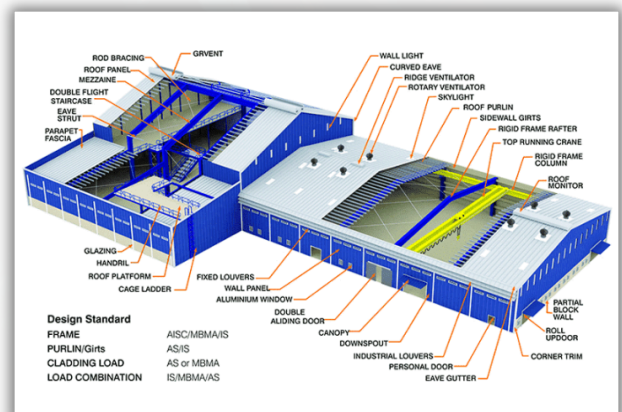
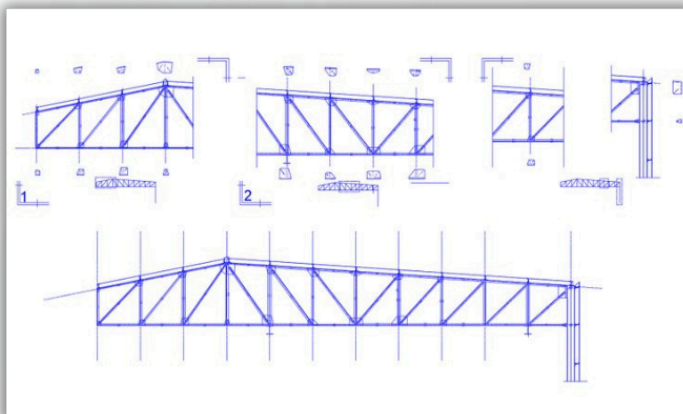
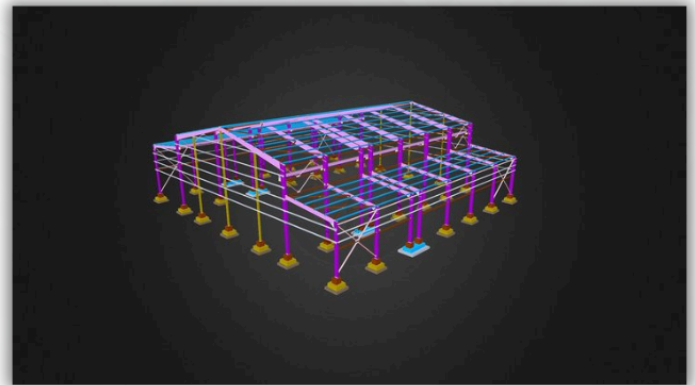
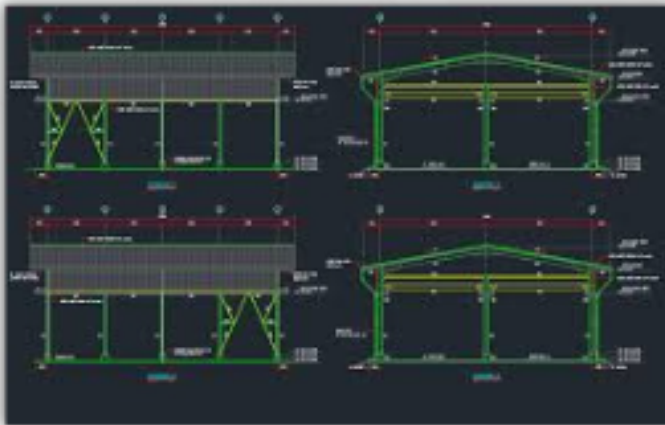
Our PEB solutions are ideal for warehouses, manufacturing units, industrial sheds, logistics hubs, workshops, commercial buildings, and storage facilities. With a focus on precision, timely execution, and quality control, we ensure that every project delivers maximum functionality, long service life, and value to our clients. At JKT Steel Pvt. Ltd., we are committed to delivering reliable, scalable, and cost-effective PEB structures that support operational efficiency and long-term growth.





DESIGN EXPERTISE

- We refine building layouts and structural forms to create efficient and intelligent designs.
- Our skilled engineers perform in-depth structural assessments using established design standards.
- We craft compelling proposals that showcase our design vision and project insight.
- Each project receives a one-of-a-kind structural setup customized to its specific requirements.
- We produce accurate and detailed construction drawings to support seamless project delivery.
- Our senior team conducts rigorous structural audits to ensure maximum reliability.
- We emphasize careful planning at every phase to prevent rework and project delays.
- Post-construction, we provide specialized consultancy services, including
- Post-construction, we provide specialized consultancy services, including retrofitting solutions for any structural modifications needed in the building.

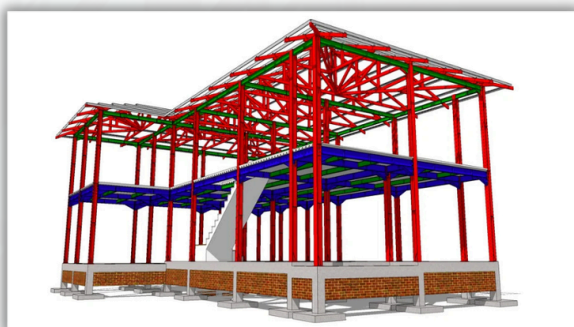
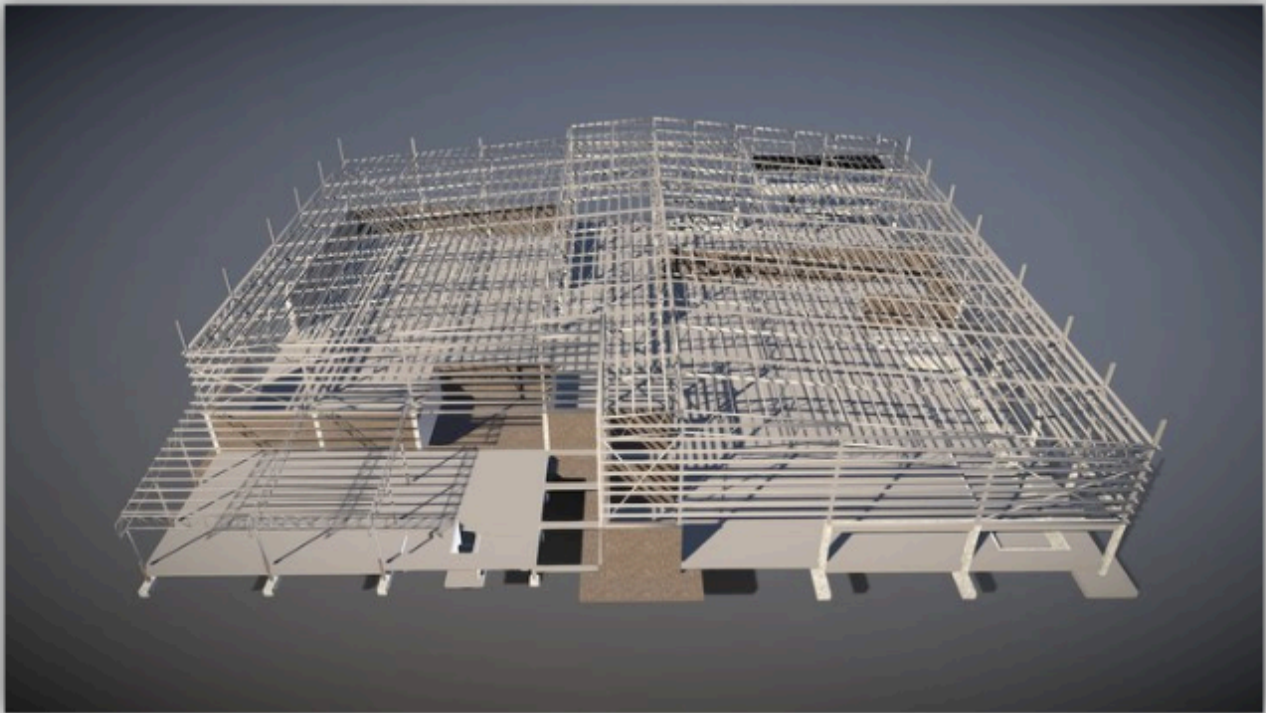




PRECISION DETAILING

Our detailing specialists bridge the gap between concept and construction. With a strong focus on accuracy, we ensure every element is clearly defined and ready for implementation.

- We build detailed 3D structural models using industry-leading software.
- Each model is cross-verified by our design team to confirm it aligns with the approved architectural plans.
- We produce clear and comprehensive shop drawings to support smooth fabrication workflows.
- Erection diagrams are reviewed in detail to enable hassle-free and accurate on-site assembly.





HOW JKT STEEL POWERS EVERY PROJECT

• **Turning Vision into Structural Reality**

We convert client ideas into precise engineering drawings and execution plans. Every detail is designed for strength, accuracy, and long-term performance.

• **Smart Fabrication Planning**

Our production schedules are strategically planned for maximum efficiency. Material flow and timelines are controlled to avoid delays.

• **Seamless Team Coordination**

Design, fabrication, and site teams work in perfect alignment. This ensures smooth communication and flawless project execution.

• **Precision Engineering & Welding**

Advanced machinery and skilled professionals guarantee exact fabrication. Each weld and cut reflects durability and structural excellence.

• **Quality Without Compromise**

Strict inspections are conducted at every production stage. We deliver structures that meet the highest industry standards.

• **Reliable Dispatch & Delivery**

Completed structures are securely prepared for transportation. We ensure safe and on-time delivery to every site.

• **Professional Site Execution**

Our experts supervise erection with precision and care. We ensure structural alignment, stability, and safety.

• **Strong Safety Standards**

Safety protocols are strictly implemented in workshop and at site. We build strong structures while protecting our workforce.



ORDER MANAGEMENT

Customer satisfaction is at the heart of everything we do. To deliver on this promise, we manage every aspect of an order with care — right from understanding the client's needs to managing design details, delivery schedules, and site installation.

Unlike many PEB providers who struggle with delays caused by poor coordination, we leave nothing to chance. Every small component, down to the last nut and bolt, is tracked and accounted for. Because we know that even a tiny mistake can throw off the entire project timeline.

Our Order Management team brings years of experience to the table. Powered by a fully integrated ERP system, we maintain complete visibility and control at every stage. This allows us to coordinate seamlessly, execute on time, and ensure that every client walks away satisfied.





PROJECT MANAGEMENT & ERECTION

Every engineer on our team follows a clearly laid out erection plan, ensuring that each structure is assembled safely, accurately, and efficiently. From the first column to the last connection, attention to detail is never compromised.

What sets us apart is our commitment to innovation and quality assurance. We are the only PEB company equipped with a Tekla-powered erection team, enabling seamless integration between design and on-site execution. Additionally, our projects go through a certified third-party erection audit – a step that guarantees complete reliability and peace of mind for our clients.





JKT QUALITY ASSURANCE SYSTEM

At JKT, quality is our promise — not just a checklist. Every material that arrives on site is verified against order specs, quantity, and quality before use. No damaged or rusty material is ever accepted. We believe that even one small defective part can compromise the entire structure, so nothing is used without proper inspection.

Every weld and connection is carefully examined. Each weld is visually checked for cracks, holes, and smoothness — any weak weld is redone immediately. All nut-bolt connections are tightened with proper torque using a spanner, not just by hand. Every joint is checked twice to ensure nothing is loose or missing.

During erection, columns are checked for plumb and beams for proper alignment. All dimensions are verified against drawings — bolt distances and diagonals are measured to avoid any twisting. Paint finish and coating are also inspected, and any rust or peeling is touched up right away.

Before final handover, a complete walkthrough is done. Every joint is inspected one last time, remaining work is completed, and the site is cleaned of all extra material. At JKT, we never rush — we do things right. Because quality is not just a word — it is our identity.



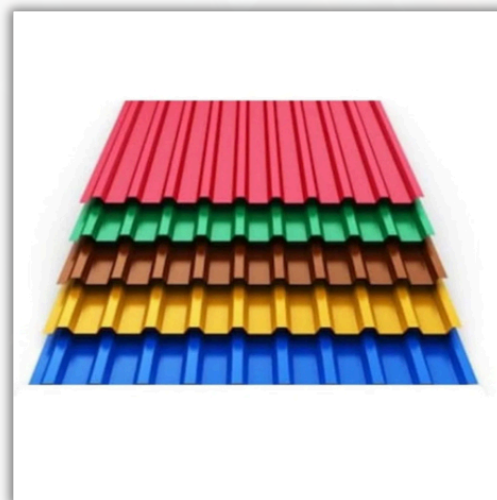
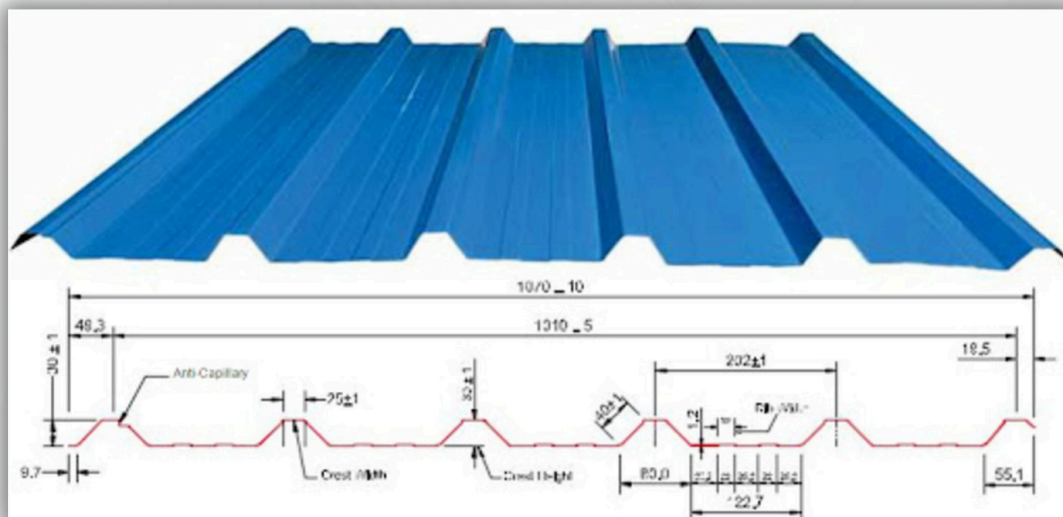


ROOF SYSTEM

At JKT, a roof system has three main parts: primary members (columns and rafters), secondary members (purlins), and roof cladding. All three must be fabricated and installed correctly to make the roof strong and leak-free.

Purlins are made from light gauge steel using roll forming machines. C purlins are for shorter spans, Z purlins for longer spans. Holes are pre-punched in factory – no drilling on site. For cladding, we use galvanized steel or sandwich panels with Z-Lock system for easy installation.

Every purlin is checked for bends and rust before use. Screw torque is monitored, expansion gaps are left, and all joints are sealed. At JKT, quality is not optional – it's our promise for every roof.





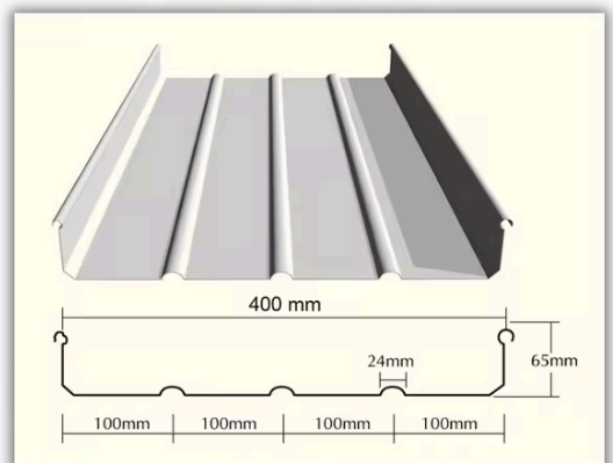
STANDING SEAM

A standing seam roof is a modern metal roofing system where panels connect using raised vertical seams that stand above the roof surface. Unlike traditional exposed fastener roofs, all fixings are completely hidden inside these seams using special clips. This means no screws penetrate through the panels, which eliminates the most common source of leaks found in conventional metal roofing.

The concealed fastener design not only gives the roof a clean and sleek appearance but also makes it more durable and weather-resistant. Panels interlock with each other using either snap-lock or mechanically seamed methods. Hidden clips attach the panels to the structure while allowing them to expand and contract with temperature changes – this thermal movement capability prevents buckling and stress on the roof over time.

Panels can be manufactured in long lengths, up to 15 to 30 meters, which reduces the number of end laps and potential leak points. They are typically made from materials like galvanized steel, zinc, aluminum, or copper. Pre-finished steel is the most cost-effective option while still offering excellent performance and longevity.

Standing seam roofs provide superior weather resistance, making them ideal for areas with heavy rain, wind, or snow. They require minimal maintenance compared to exposed fastener roofs and can even support rainwater harvesting for sustainable building practices. With proper installation, these systems offer long-lasting protection and a modern look for any structure.





WALL SYSTEM

At JKT, a wall system is more than just a boundary – it is the protective shield of the building. It consists of three main parts: primary structure (columns and beams), secondary members (girts and profiles), and outer cladding. Together, these components provide strength, weather protection, and a clean professional appearance to the entire building.

For cladding, JKT offers single skin sheets for industrial buildings and sandwich panels with PIR or mineral wool core for insulation needs. We use various profiles like trapezoidal for strength, micro-rib for modern look, and box profile for high-wind areas. All cladding is supported by C girts or Z girts installed at proper spacing with careful attention to openings like doors and windows.

Quality is our priority at every step. We use only premium steel from JSW, Tata, and Posco. Every wall is checked for plumb, every screw is properly torqued, and every joint is sealed. Flashings and sealants ensure no water entry. With proper insulation and weather barriers, JKT walls provide long life, energy savings, and a lasting impression.





DECK SHEET

At JKT, deck sheets are permanent formwork used for concrete slabs and roofs. These cold-formed metal sheets support wet concrete during construction and later work with concrete to form strong composite slabs. This speeds up construction and removes the need for temporary formwork.

JKT uses different deck sheets based on project needs. Roof decks are lighter and act as a base for insulation. Floor decks are heavier and designed for composite action with concrete. All sheets are made from high-quality galvanised steel with thickness from 0.8mm to 1.2mm.

Installation follows strict quality steps. Beams are checked for level, sheets are placed with ribs perpendicular to supports, and fixed using side lap fasteners and welding. Shear studs are added for composite action, and edge trims prevent concrete leakage.

Quality is never compromised at JKT. Every sheet is checked for coating and thickness. Weld quality, fastener spacing, and concrete pouring are all monitored. This ensures strong, durable composite slabs that meet all structural requirements.





VENTILATION SYSTEMS

At JKT, ventilation systems are designed to maintain good air quality, control temperature, and manage moisture inside buildings. Proper ventilation ensures that industrial and commercial structures remain comfortable, safe, and free from harmful fumes, excessive heat, or condensation buildup. Without a good ventilation system, workers face health issues and equipment can get damaged over time.

JKT offers three main types of ventilation systems based on project needs. Natural ventilation uses wind and temperature differences to move air without any mechanical parts – it is low maintenance and best for warehouses and large industrial sheds. Mechanical ventilation uses fans and blowers for controlled airflow regardless of outside conditions, making it ideal for factories and enclosed spaces. Hybrid ventilation combines both systems and automatically switches based on conditions for modern buildings.

The main components used in JKT ventilation systems include turbo ventilators that rotate using wind power to suck out hot air without electricity, ridge ventilators installed at the roof ridge for continuous exhaust, and louvers mounted on walls for airflow with rain protection. Exhaust fans provide forced ventilation where needed, while air inlets and ducting systems ensure fresh air reaches all parts of the building.

At JKT, every ventilation system is designed for performance and durability. Components are made from stainless steel, aluminum, or galvanized steel with weather protection. Bird mesh, insect screens, and dampers are included where required. Proper placement and sizing ensure maximum airflow and energy efficiency. With JKT ventilation systems, buildings stay cool, dry, and healthy all year round.





INSULATION SYSTEMS

At JKT, insulation is used to reduce heat transfer, control temperature, prevent condensation, and improve energy efficiency in buildings. It keeps structures comfortable in all weather conditions while lowering electricity costs for cooling and heating.

JKT offers different types of insulation based on project needs. **Glasswool** and rockwool are commonly used for general buildings and fire-rated areas due to their excellent thermal and acoustic performance. **Bubble insulation** with reflective foil works as a radiant heat barrier in roofs, reflecting heat away in hot climates. PIR and PUR foam provide high thermal performance for cold storage and insulated panels, while EPS is used for budget projects.

Insulation comes in various forms at JKT. Blanket insulation (glasswool and rockwool rolls) is used for large roof and wall areas. Rigid boards are for flat surfaces and high-load areas. Spray foam expands to seal gaps completely, and **bubble foil rolls** are installed with air gaps for radiant heat reflection. Each type is chosen based on the specific requirement of the project.

Proper installation is key at JKT. All materials are checked for thickness, density, and thermal resistance before use. Vapor barriers prevent moisture buildup, and gaps are sealed to avoid heat loss. With glasswool for acoustic comfort and **bubble insulation** for heat reflection, JKT ensures buildings stay energy-efficient and comfortable all year round.





HARDWARE & FASTENERS

In JKT PEB systems, secondary framing includes purlins, girts, sheeting rails, and bracing. These are connected to the main frame using high-strength bolts, Grade 8.8 or 10.9 with hot-dip galvanized coating. All connections use pre-punched holes – no drilling required on site.

Non-structural components include wall cladding, roofing sheets, louvers, and trims. Wall cladding uses self-drilling screws with EPDM washers for weather sealing. Roofing sheets use screws with neoprene washers to prevent leaks. All exposed fasteners are color-matched for a clean look.

All fasteners come with proper corrosion protection. Galvanized coating for standard use, zinc-plated for interior areas, and stainless steel for coastal or chemical plants. Every batch is checked for coating thickness and quality before use.

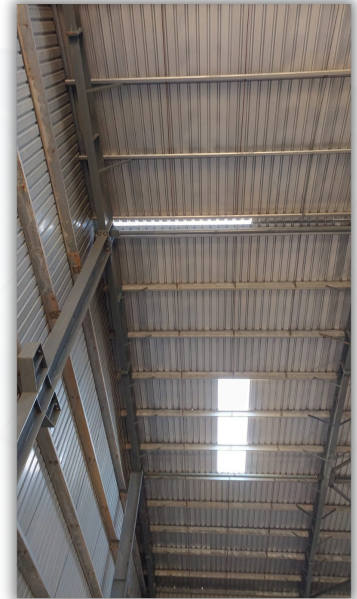
- Self-Drilling Screws (SDS)
- Self-Tapping Screws
- Washered Screws
- Stitching Screws
- Hex Head Screws
- Pan Head Screws
- Flat Head Screws
- Tek Screws
- Blind Rivets
- Roofing Screws
- Wall Screws
- Lap Screws
- Insulation Screws
- Purlin Fasteners



















OUR CLIENTS



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THANK YOU