



ABOUT EVOLUTION OF SANKALP & STEELSMITH

Became one of the Firsts to adopt 21st Century Technology in Pre-Engineered Steel Building concept.

SankalP is the flagship company of Steelsmith Group. Steelsmith Continental Manufacturing Private Limited was established way back in 1994 with core competence in Sheet Metal Fabrication. In 2001 when Pre-Engineered Building (PEB) Technology was just introduced, company started working in Pre-Engineered Steel Building industry.

In 2005, company started manufacturing facility for Pre-Engineered building in full swing to provide complete Building Solution with SankalP brand.

Since **Steelsmith** Group is dealing with several National & Multinational companies as Channel Partner for our Sheet Metal Division, the Quality, Systems, Deliverance of International Standards is in DNA of SankalP for PEB (Pre-Engineered Steel Building) division also. Focus on Quality and Service to existing clients became the biggest marketing activity for SankalP, resulting into four times growth compared to industry growth.

WHY SANKALP?

We understand our prospects, clients & are committed to the expansion and economic growth of their organization. SankalP is a progressive and system oriented company, dedicated to serve the needs of our clients by providing cost effective quality building and services to give most value for their building investment.

SankalP is providing the environment and resources to encourage all employees/owners to grow to their fullest potential.

SankalP & Steelsmith are the Organizations based on the merit shop philosophy. We Believe Pre-Engineered Building orders should be awarded on the basis of Qualification | Performance | Capability | Price.

This assures our clients that the superior quality-services-values, the SankalP name has come to represent, will be delivered.

Commitment is the key quality at the core of Sankalp. "TO BE & TO DO GOOD" at whatever we deliver — "NOT BETTER OR BEST" as they are relative terms - this is our commitment to our clients, to PEB industry, to our employees & owners.

GREEN BUILDING

Optimized Design of each component of Steel building helps clients to get credits / points while applying for Green Building certification. Best use of materials resulting in sizable reduction of waste. Steel itself is recyclable with least impact on environment. Effective Roofing & Wall Cladding solution for better Sunlight inside. Also natural ventilation system for temperature control, air circulation, Insulation, Rain Water Harvesting with proper use of Gutters and Downspouts, proper planning to install Solar Panels. These all are greatly contributed to Green Building norms with our highly experienced design and installation team.



INFRASTRUCTURE

Why the Infrastructure is appreciated by Clients??

Have a look at the huge Infrastructure and Resources at our Vadodara plant.

Land Area is 80,000 Sq. Mtr. that is approx. more than 20 Acre. For PEB division, the office building of 600 Sq. Mtr. And Factory Building is of 12,000 Sq. Mtr. Contributes to Market infrastructural growth. Manufacturing capacity at our Vadodara plant for Primary Structural is 12,000 Ton, Secondary Structural 6,000 Ton, and Sheeting Material 6,000 Ton per Annum. In Total, its 25,000 Ton per annum to cater Market.

This infrastructure has helped us to provide advanced engineering techniques, efficient workmanship, utmost precision tolerances for the products and services we provide to our Clients and Consultants. If just last 5 years are considered, SankalP has successfully installed 3,000,000 Sq. Mtr. of building structures including exports with EHS safety norms.



Plasma Cutting Machine



CNC Oxyfuel Gas Cutting Machine

INFRASTRUCTURE



H Bean Assembly Machine



Sub Merged Arc Welding Machine



Flange Straightening Machine



Airless Shot Blasting Machine



Z and **C** Section Forming Machine



Cold Forming Machine

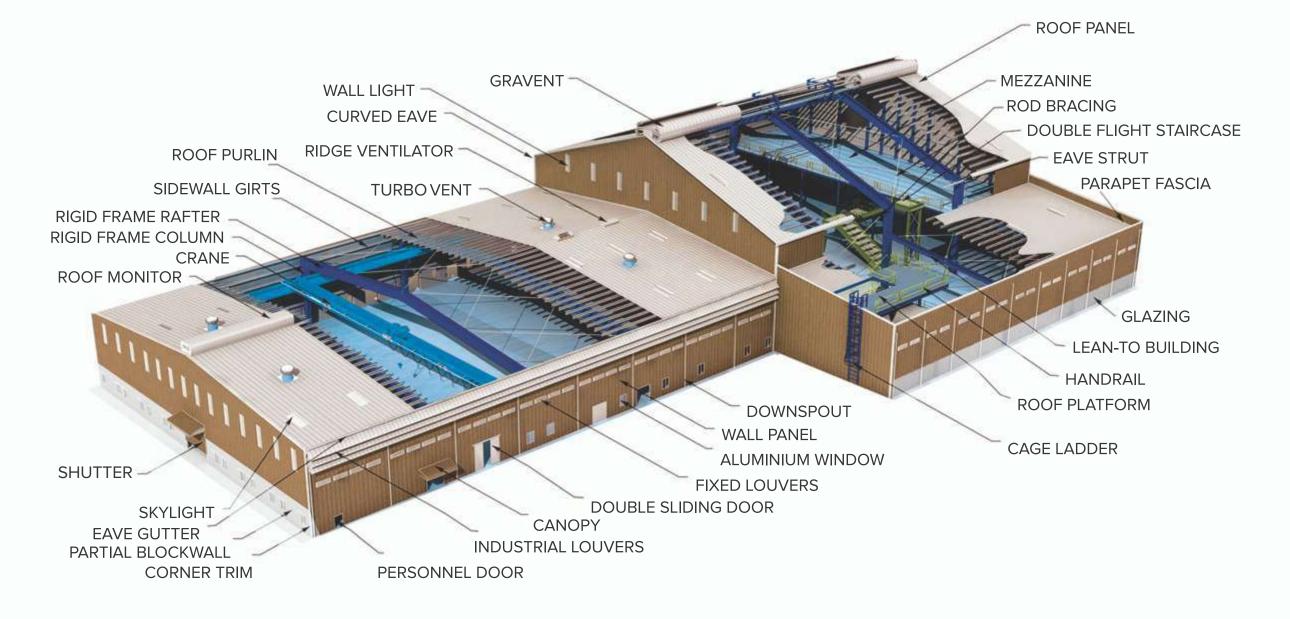
DESIGN DEPARTMENT THE PROCESS FLOW

- MBS STAAD PRO E STRAP STRU CAD BO CAD AUTO CAD & ZW CAD FAST CAM SOLID EDGE
- Bid with Conceptual Design & Estimation Order & Commercials GA Drawings Detailing & Modeling
- Procurement & Purchase Project Scheduling Supply & Erection at Site. Finishing & Handover

PRE-ENGINEERED BUILDING SOLUTION

Pre Engineered Building, in construction, is the technique whereby a Steel Building is manufactured at the Factory in Completely Knock Down condition and the same is assembled at site. Almost Zero human error is possible with Pre-Engineered Building construction. It is Most affordable and flexible system which is ideal for Industrial, Institutional or Commercial applications. Excellent features such as Speed of Construction, Quality and Strength with value addition.

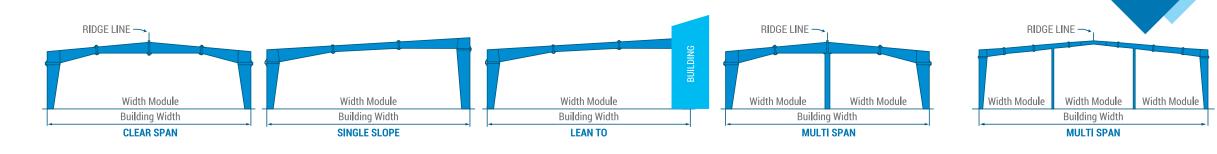


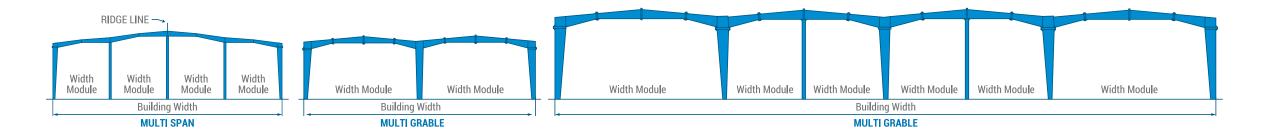


TYPES OF BUILDINGS IN PEB

Sankalp Sankalp Pre-Engineered Buildings are custom designed to meet your exact requirements. Standard framing systems for Steel Buildings are...





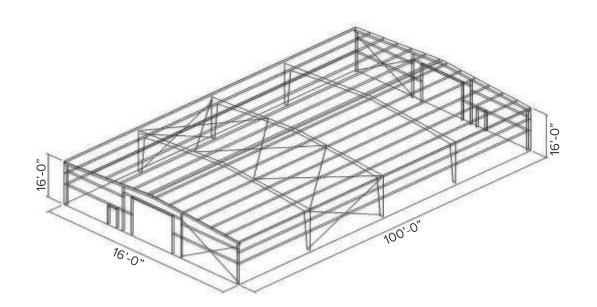


IMPORTANT PARAMETERS

The well defined building is custom designed to meet exact requirement of clients. Basic building parameters can be identified from the sketch shown below.

Design Loads

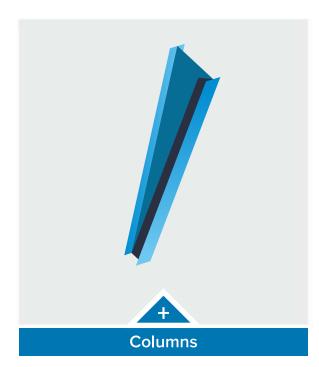
- Wind Load (Wind Speed)
- ▶ Seismic Zone (Earthquake Zone)
- ▶ Design Live Load on Roof
- Design Live Load on Frames
- Dead Load
- Collateral Load
- ▶ Future Expansion

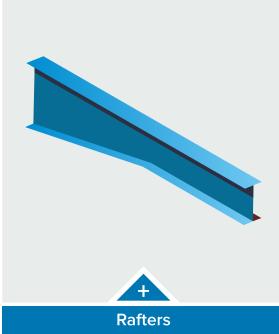


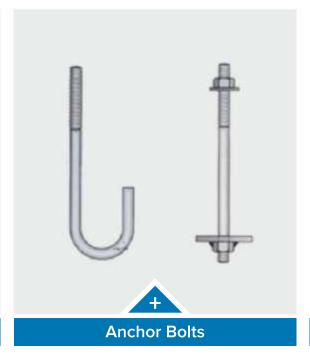
PRIMARY MEMBERS (FRAMES)

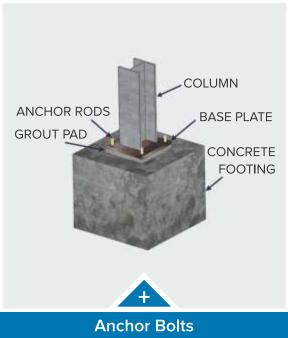
Primary Members are made from steel plates confirming to ASTM-A-572 GRADE 50 or equivalent with minimum yield strength of 345 Mpa. Intermediate Frames, End Wall Frames, Wind Bracings, Crane Brackets, Mezzanine Beams and Joists are factory manufactured and require bolted connections to be made on site. Each part is designed and manufactured to exact tolerance under rigid quality controlled plant conditions.











SECONDARY MEMBERS (ROOF PURLINS, WALL GIRTS, STRUTS)

Advantages of Cold Formed Secondary Members

- ▶ Saving up to 40% 50% weight of the structural steel and 25% 30% in cost when compared to hot rolled sections.
- ▶ Saving up to 35% 40% in weight and 20% in cost when compared to hot rolled Purlins.
- ▶ Truss spacing can be increased, hence less numbers of trusses, columns and foundation work resulting in further economy.
- ▶ Low transportation cost due to reduced weight.

- The Purlins are supplied in required lengths with pre-punched holes. Hence, reduction in constrained time and cost in fabrication & erection and no wastage.
- ▶ Purlin erection is easier than conventional options.
- ▶ Close tolerances on sectional dimensions due to process of cold roll forming.
- ▶ High versatility, durability and uniform quality

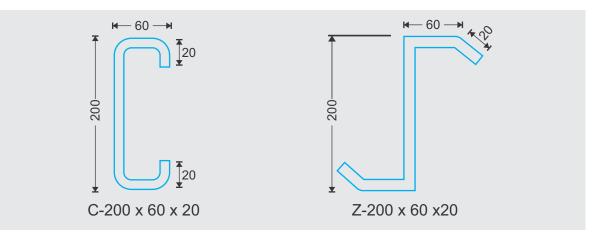
'Z' AND 'C' SECTIONS



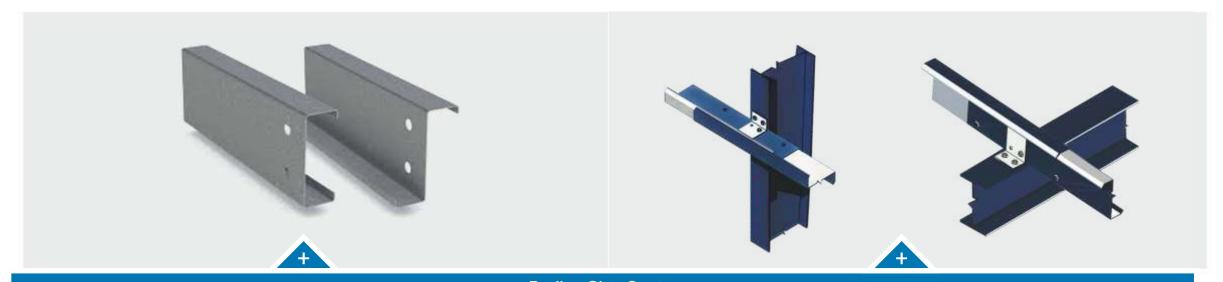


SIZES OF 'Z' AND 'C' SECTIONS

DEPTH MM	FLANGE MM	LEAP MM	THICKNESS RANGE MM
160	50	20	1.5 / 1.75 / 2.0 / 2.5
180	60	20	1.5 / 1.75 / 2.0 / 2.5
200	60	20	1.5 / 1.75 / 2.0 / 2.5
250	65	20	1.5 / 1.75 / 2.0 / 2.5
300	65	20	1.75 / 2.0 / 2.5 / 3.0



COLD FORMED SECTIONS ARE AVAILABLE IN 120 GSM / 180 GSM / 275 GSM



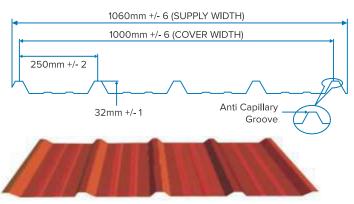
Purlins Girts Struts

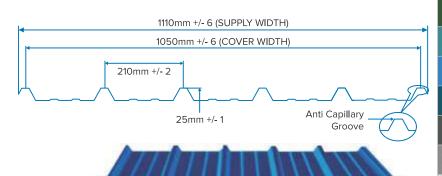
ROOF & WALL PANELS



Trapezoidal Roof and Wall Panels are available in 1000 and 1050 Cover Width. Both the profiles are with Anti Capillary Groove to ensure leak proof installation. You have a choice of color combinations from SankalP to choose and make your dream project a landmark for navigators.

TOTAL COATING THICKNESS (TCT): 0.40mm, 0.45mm, 0.47mm, 0.50mm, 0.60mm				
Profile	Cover Width	Supply Width	Pitch	Depth of Crest
Trapezoidal	1000 mm	1060 mm	250 mm	32 mm
	1050 mm	1110 mm	210 mm	25 mm





PRE-PAINTED GALVANIZED IRON (PPGI) SHEETS (99.5% ZINC)				
Zinc Coating	120 GSM			
Primer Service Coat	5 Micron epoxy / PU on both sides			
Paint Coating	RMP / SMP / SDP / PVDF			
Surface Paint Reflection	Glossy / Matt Finish			
Paint Thickness	TOP : 18-20 Microns Bottom : 06-07 Microns			
Confirms to	JIS G - 3312, ASTM A - 755, EN - 10169, IS - 14246			
Yield Strength	240, 345 & 550 Mpa			

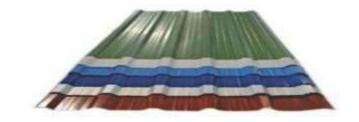
SHEETS (55% ALUMINUM & 45% ZINC ALLOY)		
Alu-Zinc Coating	AZ 150/ AZ 70	
Primer Service Coat	5 Micron epoxy / PU on both sides	
Paint Coating	RMP / SMP / SDP / PVDF	
Surface Paint Reflection	Glossy / Matt Finish	
Paint Thickness	TOP : 18-20 Microns Bottom : 06-07 Microns	
Confirms to	ASTM A 755M, with Substrate ASTM A792 M	
Yield Strength	550 Mpa	

PRE-PAINTED ALUMINUM ZINC STEEL (PPGL)

Sankalp OFFWHITE		
SankalP BRICK RED		
SankalP LEAF GREEN		
SankalP MIST GREEN		
SankalP CAULIFIED GREEN		
SANKALP OCEAN BLUE		
SANKALP SKY BLUE		
SANKALP TORRES BLUE		
SankalP STEEL GREY		
SankalP BARE		
BACKER COAT SANKALP BACK COAT		

GALVALUME) (55% ALUMINUM & 45% ZINC ALLOY)				
Alu-Zinc Coating	AZ 150/ AZ 70			
Confirms to	ASTM A 755M, with Substrate ASTM A792 M			
Yield Strength	550 Mpa			

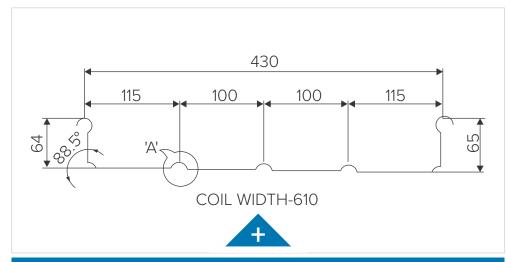
NON COLOR ALU-ZINC STEEL SHEETS (BARE



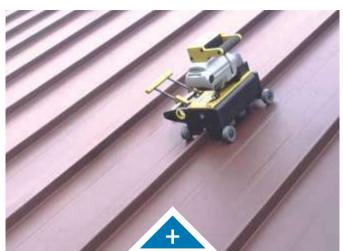
STANDING SEAM ROOFING SYSTEM



Standing Seam Metal Roofing system helps you re-imagine metal roofing with clean, sleek lines and a minimum of exposed fasteners for a unique aesthetic effect. A structural standing seam roof panel system meets performance goals by being constructed with a raised portion where two panels meet, enhancing overall weather resistance. In addition, the panels interlock in such way that allows thermal movement without damage







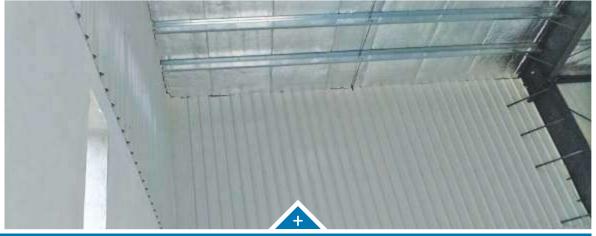


Standing Seam Roofing System

DOUBLE SKIN WALL PANELING & ROOFING

Some Industries like Food, Pharma, Warehousing, Commodity etc. need double sheeting on Sides / Roof depending on their application or Government Regulations.





Double Skin Wall and Roofing

CRANES

In PEB, when a crane system is required, steel column of rafter brackets and the crane runway beams are required to support the crane system. Complete system information of Crane is required to design and estimate the same.



Usually PEB companies supply Crane Beam because installing this Girder throughout the length of building requires expertise. Steel Building erector need to align the same for smooth crane operations and avoid future complaints.



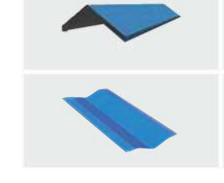


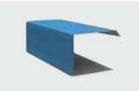


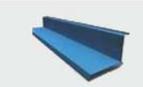
Cranes

SHEETING ACCESSORIES

Flashings and Trims

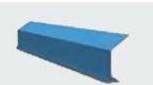


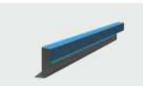


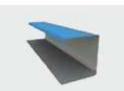


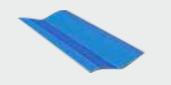




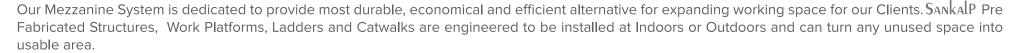








MEZZANINES



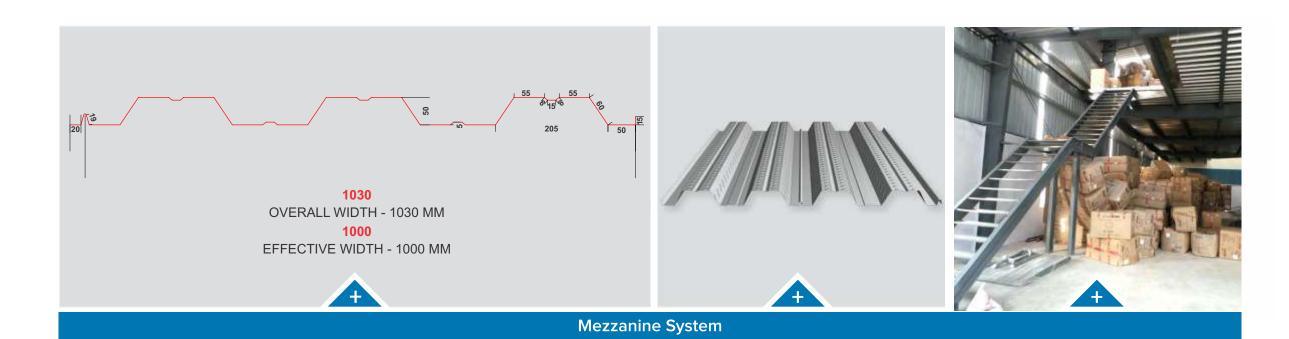


Pre Fabricated Mezzanine is cost effective and time efficient way to create additional space in any new or existing Pre Fabricated Building. Standard mezzanine framing system consists of a steel deck, supported by joists onto mezzanine beams. In case of required design load, the main beam is supported by intermediate columns. The top flange of the joists fit immediately below the top flange of primary beams.

The sides and top ribs are embossed and provides added grip and minimize slip by creating a bond with concrete as done with normal reinforcement. It provides positive reinforcement and permanent formwork. No erection, removal, handling or storage of timber / steel formwork as in conventional concrete slab construction, Saving Valuable Time.

Clean, Uniform and Attractive ribbed underside (Soffit) for exposed situation reduces the cost of ceiling finishes. Deck sheet used on mezzanine as flooring. The light weight steel decking reduced concrete usage to provide a cost effective and alternative floor solution that is easy to install. MS deck sheet is provided for suitable load on the floor and covered with concrete.

Mezzanine floors now a days are widely used to create office space inside the building / store room inside the factory building. Because of the costly floor spaces, vertical expansion is the choice of users including Shopping Mall builders. Right solution provider, manufacturer and erector are the key to avoid problems in usage of mezzanine requirements in future.



FRAMED OPENINGS

Framed openings are created in the wall framing, generally out of cold formed sections to accommodate doors, windows, shutters etc.

These openings are designed keeping required height and width of canopies e.g. Small / Large vehicles. We also provide Sliding Doors depending on application. Openings are designed for Entry to the Buildings, Windows, Fire Exits, Chimneys etc.











Framed Openings









Framed Openings

CANOPIES

Canopies and overhangs are available to enhance the exterior appearance of your building. Canopies and Eave extensions offer a great aesthetic as well as functional option. Shutters etc.

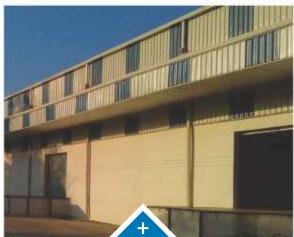
Canopy itself is a structure fitted between two columns and covered with sheets using purlins. Undoubtedly, Canopy Structure gives excellent elevation view to the Steel Building. Images below will give you an idea of usages of Canopies. Types can be individual canopies above openings, continuous canopies, loading bay structure, window canopies. Different shapes includes Curved Canopies, Canopies with gutter and down take pipes, Canopies with Soffit, Reverse Canopies to avoid rain water drainage in front etc.











Framed Openings









Framed Openings



TURBO VENTILATORS

Turbo Ventilators driven by wind are used world over because of their Low Capital Costs, Maintenance Free, Easy Adaptability, High air displacement capacity per ventilator and Overall reliability. The air ventilator are light weight and so there is flexibility of installing anywhere on the roof without any structural changes.



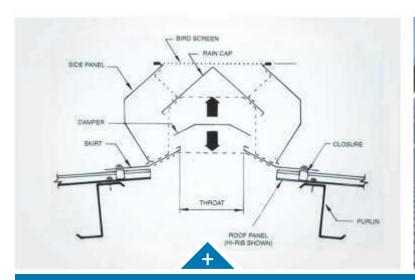
Design Loads

- Not Motor driven
- ▶ Saves cost, as it needs only natural winds
- ▶ Safe, as it does not require electricity
- No Pollution, as it uses natural air
- ▶ Easy to install on any type of roof

- ▶ Light Weight
- ▶ Maintenance Free
- Silent
- ▶ Rainproof

RIDGE VENTILATORS

There is a range of ventilators in throat sizes from 200 to 600 mm complete with fixing accessories.







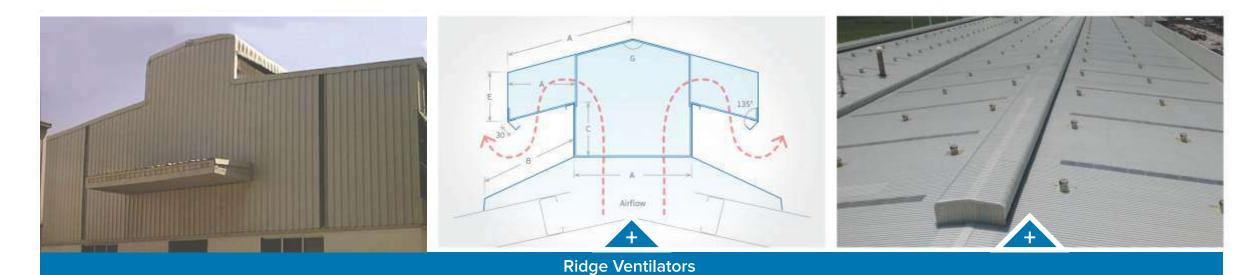
Ridge Ventilators

ROOF MONITORS

SANKALP Pre-Engineered Buildings

Raised gable, or portion of the main building, located at the ridge, to allow lighting and ventilation is called Roof Monitor

Roof monitors are widely used for the buildings where in more number of air changes are required. It is considered to be best ventilation solution for steel buildings







Ridge Ventilators

LOUVERS

Standard Louvers are made with overlapping type blades providing maximum air flow. Louvers are made from the same PPGL sheets using the chosen colors.















Louvers

FASCIA

Fascias enhance the front / entrance / Loading Bay areas of buildings. It can be ordered with open or closed soffits. Materials may be sheeting or steel panel or other material.











Fascia

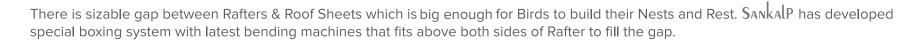






Fascia

BIRD FREE SYSTEM











Bird Free System

THERMAL INSULATION

Heating or cooling is one of the largest operating expenses in a building. That is why it is important that each building has good thermal insulation adapted for the usage of the building. Air Bubble insulation with aluminum foil on both sides exhibits low thermal conductivity value.





Thermal Insulation

SUNDRY ITEMS

Anchor bolts

Fasteners

- Connection nuts & bolts
 - ▶ Bid mastic tape, sealants, closures etc.
- Insulators
- Base angles
- ▶ Gable angles
- Mezzanine edge angles









ERECTION TEAM

Erection Team on Sankalp Payroll – Why it is in your Benefit??

Own erection team of workers and Supervisors on our Pay Roll In line with our commitment to quality is right from the start and it serves us well when we encounter a challenging construction project.

Whatever your needs are, we can adopt and deliver what we promise: a quality construction. Our team of efficient, accurate and experienced people with best procedures ensures a free flow of communication between our team members and clients. No detail is too small, big or difficult to notice and handle promptly, saving your time and money.

We stay on Schedule, on Budget due to our "Critical Path Method" of scheduling. It provides strict guidelines for staying on top of each detail during construction.

Our own Erection Team has helped us maintain our Client Centric and Problem Solving approach all the time.





ABHI METALS Jamnagar. Saurashtra & Kutchh. 2,230 Sq. Mtr.



Bavala, Ahmedabad, 5,680 Sq. Mtr.



Kalavad, Rajkot, Saurashtra & Kutchh. 6,250 Sq. Mtr.



Bhiwandi, Maharastra, 1,58,518 Sq. Mtr.



Bhiwandi, Maharashtra. 1,58,518 Sq. Ft.



APRICOT FOODS PVT. LTD. Rajkot, Saurashtra & Kutchh. 2,447 Sq. Mtr.











CHEMICAL PROCESS PIPING. Por, Vadodara. 1,152 Sq. Mtr.



DIVYA CORPORATIONKeshod, Saurashtra & Kutchh, 1,300 Sq. Mtr.



DML GROUPRajkot - Saurashtra & Kutchh. 15,654 Sq. Mtr.



Rajkot - Saurashtra & Kutchh. 15,654 Sq. Mtr.

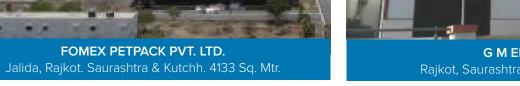


DYNAFLEX PVT. LTD. Halol, Vadodara. 5,200 Sq. Mtr



Rajkot, Saurashtra & Kutchh. 2,040 Sq. Mtr







G M ENGINEERINGRajkot, Saurashtra & Kutchh, 1,460 Sq. Mtr.







GIRIVARYA NON WOVEN FABRICS PVT LTD Rajkot, Saurashtra & Kutchh. 1,089 Sq. Mtr.



GLOBAL GOURMET PVT. LTD. Jambusar, Vadodara. 4,878 Sq. Mtr.



GOKUL PACKAGING Rajkot, Saurashtra & Kutchh, 1,627 Sq. Mtr.



GOVARDHAN SORTEX Rajkot, Saurashtra & Kutchh. 926 Sq. Mtr.



Waghodia, Vadodara. 800 Sq. Mtr.



H M INDUSTRIAL Modasa, Kapadvanj. 6648 Sq. Mtr.



Kim, Surat. 1,882 Sq. Mtr.



Waghodia, Vadodara. 1,200 Sq. Mtr.







IBIZA TILES LLP.

Morbi Saurashtra & Kutchh. 29,325 Sq. Mtr.



ISOTEX CORPORATIONDahej, Bharuch. 6,500 Sq. Mtr.



J B INDUSTRIES PVT. LTD.Navsari, Surat. 2,220 Sq. Ft.



JAI BHAGWAN REALTIES
Bhiwandi, Maharashtra. 45,006 Sq. Mtr.



JAYANT TRADING CORPORATION
Rajkot. Saurashtra & Kutchh. 6,657 Sq. Mtr.



JINDAL GROUP Ahmedabad, 2,563 Sq. Mtr.



JINDAL GROUP Ahmedabad, 2,563 Sq. Mtr.



JKT NUTS COMPANY LLP Rajkot. Saurashtra & Kutchh. 2,940 Sq. Mtr.



Rajkot, Saurashtra & Kutchh, 4,300 Sq. Mtr.





KAVERI COTEX PVT. LTD. Jamnagar, Saurashtra & Kutchh, 7,424 Sq. Mtr.



KEMROCK INDUSTRIES & EXPORTS LTD. Asoj, Vadodara. Total 1,68,704 Sq. Mtr.



KEMROCK INDUSTRIES & EXPORTS LTD. Asoj, Vadodara. Total 1,68,704 Sq. Mtr.



Asoj, Vadodara. Total 1,68,704 Sq. Mtr.



Asoj, Vadodara. Total 1,68,704 Sq. Mtr.



Kheda, Ahmedabad. 58,562 Sq. Mtr.



Mehsana, Ahmedabad. Total 1,650 Sq. Mtr.



Harij & Unja, Ahmedabad.Total 25,370 Sq. Mtr.



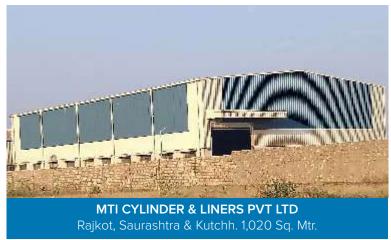
Jhagadia, Surat, 3,250 Sq. Mtr





MARVEL ORE MINING & ALLIED IND. PVT. LTD.
Surat. 1,890 Sq. Mtr 02











Palanpur, Ahmedabad. 956 Sq. Mtr.





























RISHI LASER LTD. Manjusar, Vadodara. 4,600 Sq. Mtr.



ROYAL CASTOR PRODUCTS PVT. LTD. Siddhpur Patan, Ahmedabad, 3,000 Sq. Mtr.



SAHJANAND FOODS LLP Jasdan, Rajkot. Saurashtra & Kutchh. 5,016 Sq. Mtr.



SAI CONSTRUCTION (COSMO FILMS) Karjan, Vadodara. 1,250 Sq. Mtr.



Kheda, Ahmedabad. Total 69,700 Sq. Mtr.



SANDVIK ASIA Kadi, Mehsana. 684 Sq. Mtr



Khajod, Surat. 21,522 Sq. Mtr.



Jarod, Vadodara. 3148 Sq. Ft.



SHARP ENGINEERS Kathwada, Ahemdabad. 1260 Sq. Mtr.





SHIV SUMER EXIM PVT LTD Rajkot, Saurashtra & Kutchh. 3,647 Sq. Mtr.

SHIVAM ENGINEERS Chhatral, Gandhinagar. 1,039 Sq. Mtr.

SHREE SAMARTH ENGINEERING Jamnagar. Saurashtra & Kutchh. 3,015 Sq. Mtr.







Naliya, Saurashtra & Kutchh. 1,360 Sq. Mtr.



SIMPOLO EMIL CERAMICA PVT. LTD. (NEXION)

SHUBH LAXMI GROUP Dahej & Surat. 22,672 Sq. Mtr.

上海加州

Morbi. Saurashtra & Kutchh. 37,075 Sq. Mtr.





Surendranagar. Saurashtra & Kutchh. 2,880 Sq. Mtr.



Bhiwandi, Mumbai. 58,475 Sq. Mtr.

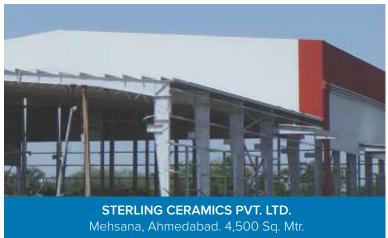
SPUNWEB GROUP

Jhalida, Morbi. Saurashtra & Kutchh. 7,816 Sq. Mtr.



Malawi, South Africa. 7,134 Sq. Mtr.

































OUR CLIENTS















































































































OUR CLIENTS















































































































OUR CLIENTS







































SOME OF OUR FACILITY USERS























































SOME OF OUR FACILITY USERS















































































































Marketing:

SANKALP PREFORMED SYSTEMS PVT. LTD.

Shree Balaji, Block No.: 43, Vadodara-Savli Road,

Village: Lamdapura | Ta.:Savli | Dist.: Vadodara, Guj. 391 775

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