



# INTERARCH BUILDING PRODUCTS

## newsletter

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### Director's Epistle



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Founder Director & CEO

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We wish you all a very Happy Independence Day, hope you all had celebrated it with the high spirit of attaining growth and success in all endeavors of life.

We would like to introduce two new section with this edition of the newsletter "Value addition by Working with Interarch". & "Know your Interarch Pre-Engineered Building"

This section will give you in-depth knowledge about Pre-engineered buildings which will further help you selecting your building.

Thanks & Regards,  
Arvind Nanda & Gautam Suri  
Founder Directors - Interarch Building Products

### New Possibility- Multistory Structure for Process Industry

Multi-level Process Structure demands the use of heavy and durable yet strong materials. Steel, by virtue of its high strength to weight ratio enables large spans and light weight construction. Taller buildings also face higher wind loads, and hence steel being flexible, allows the building to move and deflect with the wind forces, rather than making it rigid like concrete.

- Interarch Multi story steel buildings have un-matched benefits like**
- High strength to volumemass ratio
  - Speed in construction and time saving in comparison to RCC, resulting in early return on investment
  - Steel frames are lighter in weight in comparison to RCC frame. Lighter foundations are required for steel buildings due to less weight than RCC resulting cost advantage over civil construction
  - Occupies less space and can be designed for larger clear span, resulting greater coverage, this helps in large open office spaces and large auditoriums and concerts halls, etc
  - Steel structures can have a variety of structural forms like braced frames and moment resistant frames suitable to meet the specific requirements of higher buildings
  - Tall Building with steel allows more floors per total height of the building



### Longest Building Delivered by Interarch: Answer to the Trivia Question for Jul'14

Interarch constructed the longest Pre-Engineered building of length 800 M for Tri-Star Infrastructure Pvt. Ltd. in Pipavav, Gujarat. It is a large Multi span building covered an area of 80,000 Sq. M.



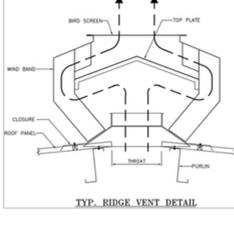
### Know your Interarch Pre-Engineered Building

**Role of Ridge Vents in a building**  
The primary reason to provide the Ridge Ventilators in Pre-Engineered steel building is for the removal / reduction of following:

**Heat buildup:** Thus providing comfort to workers, preserving the goods and enabling equipment to function properly.

**Gaseous by-products:** A result of some manufacturing processes, thus providing a healthier atmosphere for workers.

**Flammable fumes:** Thus minimizing fire hazards (ventilation is also important after a fire has started at which time it helps in removing the fumes and smoke), and improving visibility for escapees and fire fighters.



There are two practical methods for determining ventilation requirements:

The **Air Change Method**, which is based on a recommended rate of air changes per hour for different building usages when ventilator capacity is given.

The **Heat Removal Method**, which calculates the volume of air required to remove the heat gain inside a building

Interarch standard Ridge vents come with 300, 600 & 900 mm throat widths and can be provided 3m long or multiples of 3m lengths as required by ventilation design.



### Project Spotlight - India Yamaha Motors Pvt. Ltd., Chennai, Tamil Nadu



<b>Project Name</b>	India Yamaha Motors Pvt. Ltd.	
<b>Location</b>	Chennai, Tamil Nadu	
<b>Building Usage</b>	Parts Building - Factory	
<b>No. of Buildings</b>	Building 1 Ar. 1	Building 1 Ar. 2
<b>Tonnage</b>	422.537 MT	
<b>Building Area</b>	8960 Sq. M	3840 Sq. M
<b>Features</b>	<ul style="list-style-type: none"> <li>• Dimensions W- 128M, L- 70 M, H- 6 M &amp; 7.025 M</li> <li>• Roof Slope 1:25 both side</li> <li>• 1 no. of Lean to shed of area 1400 Sq. M</li> <li>• 1 no. of Lean to shed area 273.6</li> <li>• Provision for Roof Monitors along Length</li> <li>• Wall framed opening for Rolling Shutters</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensions W- 128 M, L - 30 M, &amp; H- 4.5 &amp; 5.5 M</li> <li>• Roof Slope 1:25</li> <li>• Partition of 30 M</li> </ul>



### Value Addition Working with Interarch - Interarch's Manufacturing Strength

Interarch has three manufacturing facilities located at Rudrapur and Kichha in Uttarakhand, and Sriperebadur in Tamil Nadu with a total manufacturing capacity of **120000 MT of built up and 3,50,000 Sq. M of roofing per annum.**



Interarch's Rudrapur plant is Interarch's flagship manufacturing facility set up in early 2005 which caters to the growing demand of pre-engineered steel buildings in the Indian market. This large facility is one of the most modern manufacturing facilities in India. Interarch Rudrapur is the only plant of its kind in India to have heavy-steel structure manufacturing capabilities which cater to large-scale industrial projects, multi-story commercial complexes, car parks and hotels.



In 2008, Interarch set up a unit at Kichha, Uttarakhand, which is spread over 20 acres, recent expansion has been done to this plant to upgrade this division as per the modern technology for heavy steel construction and pipe structure for manufacturing clear span up to 100 m Interarch's manufacturing plant in Chennai is an ancillary unit servicing the Southern India



### Project Management Tip

- Precautions to be taken During Monsoon Season**
- Supervisors should ensure requisite safety inspections after work resumes, to carry out the outdoor installations, such as scaffoldings, temporary supports, cranes, suspended working platforms, power supply plant, etc. before they are put into use
  - Provide employees with adequate facilities and equipment such as safety helmets
  - Raincoats, gumboots with anti-slip sole to ensure their safety at work
  - Don't be in hurry, be cautious and move slowly & carefully on wet and slippery surfaces
  - Avoid walking through puddles no matter how shallow they appear
  - Do not use damp nylon belts for lifting the material as they are prone wear off and break
  - Use only appropriate wire ropes for lifting the material
  - Check all machinery controls to ensure proper operation before use
  - Avoid moving of heavy vehicle near excavated/ barricaded areas or into rain water pits.
  - Ensure the scaffolding, rope ladder foot holds are free from any slip hazards or loose soil
  - Stay away from power lines and poles at the site, always treat them cautiously as they are dangerous
  - Be alert for damaged plugs and cords on electrical appliances and fixtures. Don't touch or use them if they are damaged
  - All electrical work should be carried out using appropriate rubber mats
  - Ensure all electrical cables are laid down properly in dry areas at site
  - Ensure joints of cable / joint holder are not in contact with the water, avoid welding work in wet condition
  - Use undamaged electrical cables for all electrical tools at site
  - Inspect all electrical tools before starting the work
  - Ensure proper drainage of still water which is a breeding place for mosquitoes and empty water from outdoor items such as old tires, cans and flower pot bases



### Building Made Possible in Steel: The Minsheng Bank Building, Wuhan, China

The Minsheng Bank Building, better known as Wuhan International Securities Building or China People's Bank Building, is a famous skyscraper located in the Jiangnan District of Wuhan, Hubei Province, People's Republic of China. Up to date it remains the tallest one of the 13 skyscrapers owned by Wuhan.

**Building Name -** Minsheng Bank Building  
**Building Usage -** Office  
**Building Location -** Wuhan, China  
**Height:** 331m  
**Floors:** 68  
**Year completed:** 2008  
**Made of:** steel



The materials mostly used in the construction process were glass, steel and concrete. The structure's mixed use includes the presence of many important modern facilities such as conference offices, luxurious hotels, a huge parking garage with more than 1000 parking spaces and several restaurants. Long term rental is still available at the Wuhan International Securities Building, which also remains a major local tourist attraction.

### New Project Wins

- Ultratech Cement Limited, Rajasthan
- Jaycoo Auto Fab Private Limited, Haryana
- SPS Tube Industries, Gujarat
- India Yamaher Private Limited, Rajasthan
- Om Cotex Private Conveyors, Gujarat



### Projects Completed

- Alok Mastebatches Private Limited, Tamil Nadu
- Air Liquide India Handling Pvt. Ltd, Andhra Pradesh
- Hindustan Uniliver Limited, West Bengal
- India Yamaha Motors Private Limited, Tamil Nadu
- Nexus Buildcon Solutions Private Limited, Gujarat



### Press Coverage

- >B2B Purchase
- EPC World



### Events at Interarch

Interarch participated in CII - Madhya Pradesh -Warehousing & Logistics Summit on 26th July, 2014



