LEADERS IN SELF SUPPORTED STEEL ROOFING

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Years of PROgress

proflex
Innovate. Lead.

VISION

To be the preferred choice in our industry, providing cost competitive and innovative solutions as a progressive Engineering Construction & Project Management company creating long term value for customers, employees and shareholders.

MISSION

Creating prosperity by providing complete solutions for building construction and infrastructure development supporting the community and environment.

M&B GROUP

- Established in 1951, M&B Group has an expertise of over 6 decades in infrastructure construction
- Revenue of more than Rs.800 crore
- Executed several projects in infrastructure sectors like hydro and thermal power, highways, irrigation, bridges & flyovers, maritime and industrial construction
- Well – equipped in delivering large-scale turnkey solutions across the Nation
- A team of over 800 professionals, a skilled manpower of 3000
- One of the most reliable names in the construction & engineering industries

DIVISIONS

- Proflex
- Phenix Construction Technologies
- Phenix Infra (A division of M&B Engineering Ltd.)

Glimpse of PROFLEX

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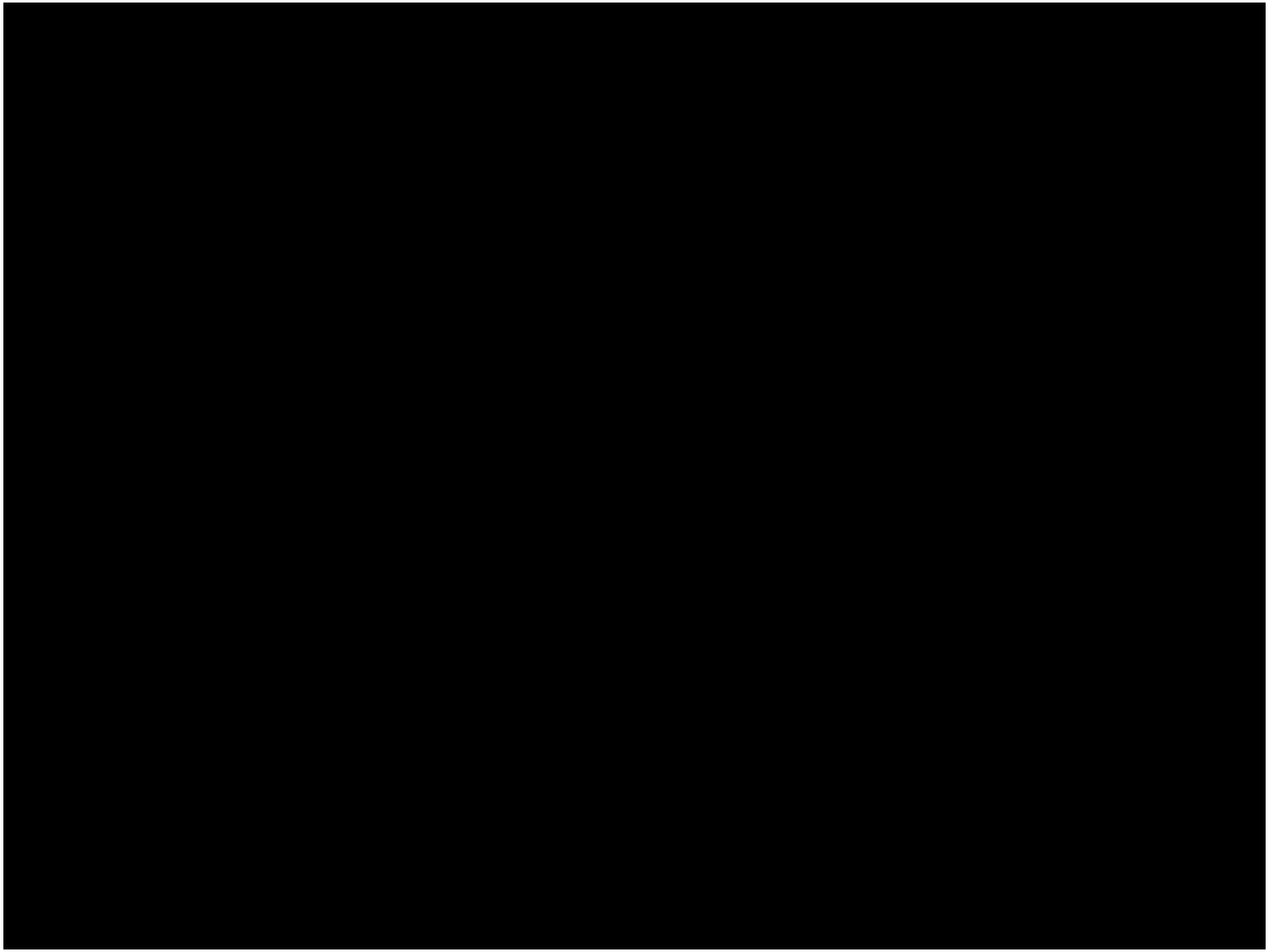


OUR PROFOUND BENEFITS

- Larger clear spans ensure free movement & effective handling of goods and higher flexibility in space utilization
- 100% leak proof
- No bird nuisance – cleaner and hygienic spaces
- Resistant to damage and corrosion
- Long life – 30 to 40 years
- Zero maintenance
- Aesthetically appealing
- Fastest Roofing solution
- Cost-effective – ensures earlier occupancy

OUR PROVEN INDUSTRY APPLICATIONS

- Warehousing & Logistics
- Plastics, Printing & Packaging
- Food & Beverages
- Electrical and Electronics
- Automobile
- Rice Mills
- Housing Sector
- Special Economic Zone
- Shelters and isolation facilites
- Aircraft Hangers
- Dairy
- Railways
- Textile Industry
- Engineering
- Pharmaceuticals and Chemicals
- Sports Complex and Toll Plazas
- Defence Structures
- Sugar Factories
- Cement
- Agricultural Buildings and Cattle Sheds
- Community Halls and Educational Institutes

TECHNICAL DETAILS

PANEL FABRICATION

- The first step is to arrive at a length of segment for which a straight panel is to be formed.
- The straight panel is feed to main crimper and a set of side curler to form the straight panel in to a segment of circle as shown. The product is a curved panel for predefined span of the building in question.

PANEL SEAMING

- The curved panels are stacked one above the other, matching the HOOK and the HEM, forming the interlock of panels, which is seamed together by means of a seaming machine. Such two seaming operations forms a set of panels, where three panels are seamed together, which has two seamed joints, forming a SET.

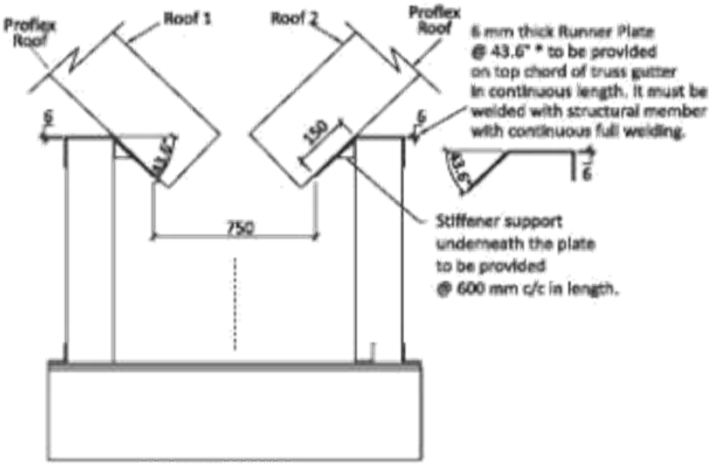
ERECTION

- The SET, is lifted with the help of a SPREADER BAR, which is hooked up at crane and the set is clamped with the spreader bar with the help of wire ropes.
- The SET is lifted, placed in position, aligned, leveled and seamed with the previous set last panel. Individual panels is anchored / fastened with the help two or three nos. of anchor bolts depending on length of panels and for steel structure, individual panel is bolted, using two or three bolts of adequate size.

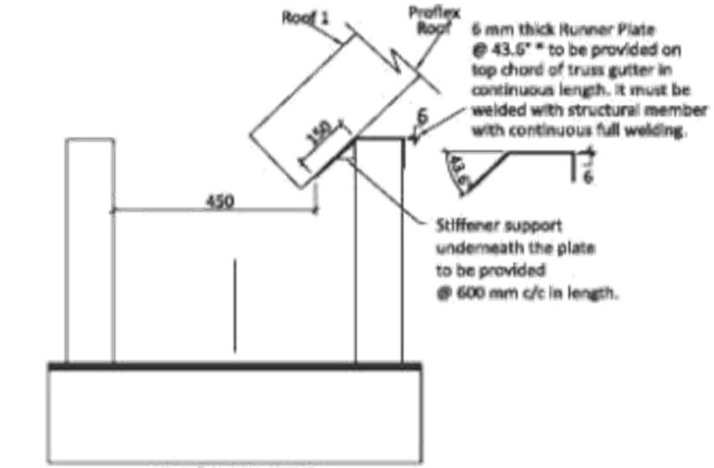
SEAMING AT THE TOP

- The process is repeated for number of SETS as per the case may be and Roofing is done along the length of the entire building in question, progressively, SET by SET.

SUPPORT STRUCTURE – R.C.C. BEAM



CENTRE GUTTER



SIDE / END GUTTER

*This slope angle is for building where arch rise is Span /5

SUPPORT STRUCTURE - STEEL BEAM

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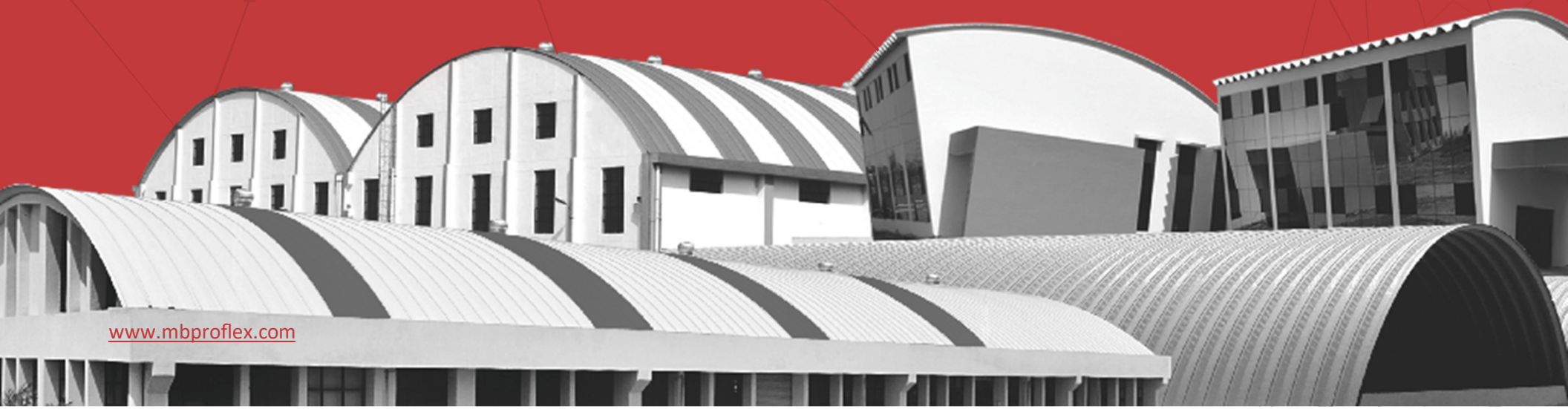
PROJECTS



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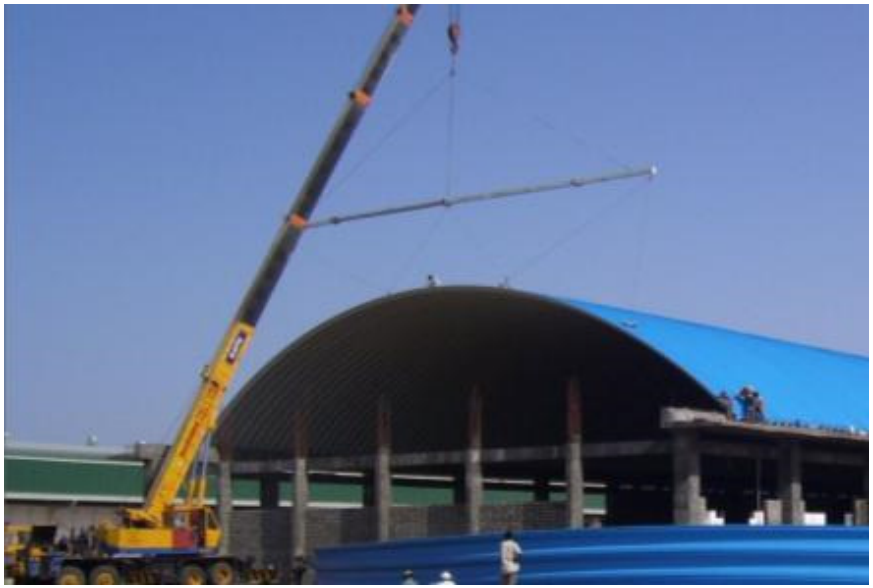

Roof with RCC Structure

Roof with Steel Structure

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L Section

Differential Height

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Elevated Base

Ground to Ground

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Half Arch

Without Gutter

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Roof with Overhead Crane

Ducts Hanged from the Roof

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Toll Plaza

Parking Bays

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Multiple Bays

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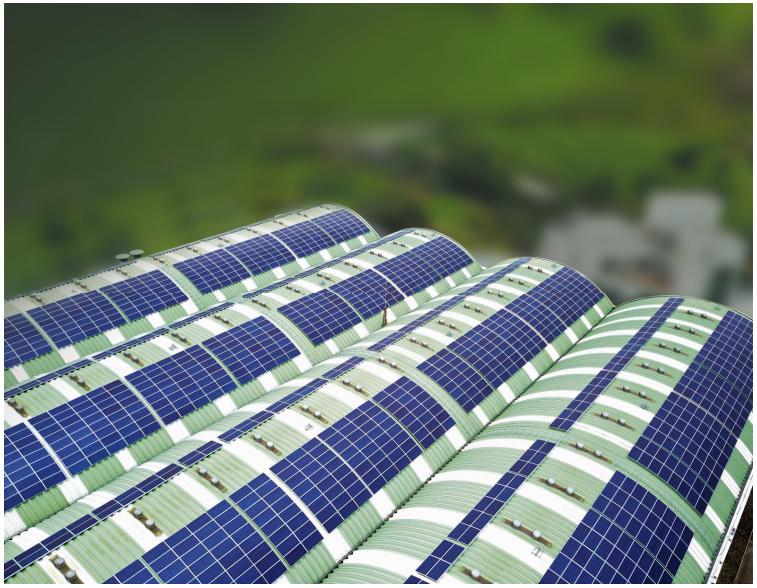

Solar panels

False celling

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Hangers and Ducts

Ventilators

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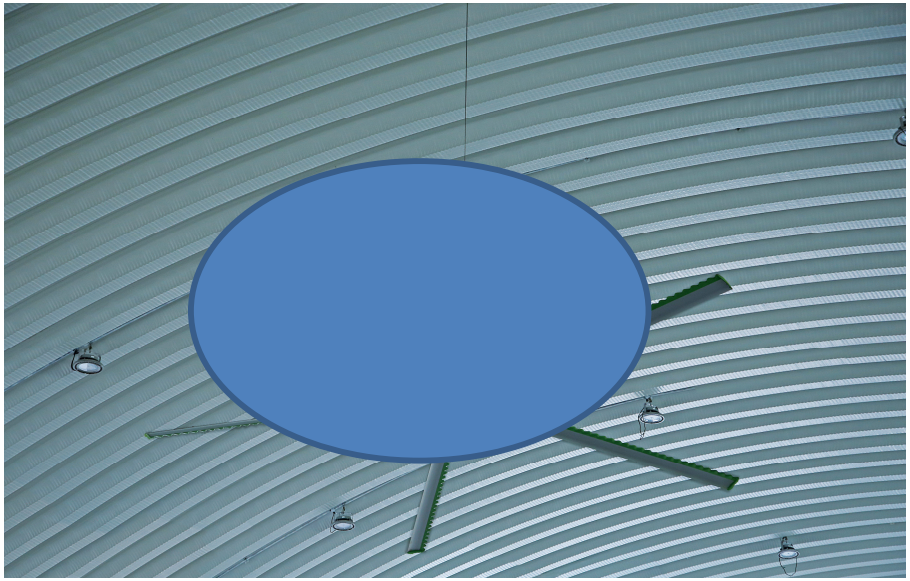
Sky Light



HVLS Fans

CUSTOMERS

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