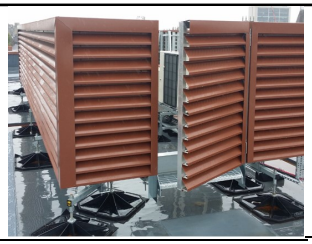
PRODUCT SPECIFICATION

Manufacturer: Big Foot Systems

Product Name: Louvre Support Frame



Product Summary

None penetrative louvre support frame solution

Product Description

The Big Foot Systems louvre support frame solution offers a versatile, non-penetrative support that fits louvre screens from any louvre manufacturers.
Equipped to support screens of any height, weight and length. Our louvre support framework is made up of a perimeter of HD Beams, coupled by heavy duty cross bars, vertical A-Frames or posts and adjustable horizontal struts to suit screen requirements. GRP or Steel grid included for access on plant deck louvre variation. As standard, Big Foot Technical designs each system to withstand wind loadings of up to 100mph, with ballast recommendations to improve stability if required.

Features/ benefits

- Non penetrative load management.
- Cost effective, custom fabricated support solution.
- Versatile modular frameworks.
- Quick to install, robust and secure.

Product Reference

To request a Louvre Support quotation see short list of questions below; email reply to Techical@bigfootsupport.com to ensure a fast and an accurate quotation:
1) Project:

- Name / Site reference
- Due on site
- Screen weight and percentage of free area

2) Roof:

- Louvre / Roof layout drawing
- Roof build up and roof fall
- Louvre clearance height / Height restrictions on site

Standards

- BS8000-4: Workmanship on building sites. Code of practice for waterproofing.
- BS6229: Code of practice for flat roofs with continuously supported coverings.
- Building Regulations (E & W) Part L: Conservation of Fuel and Power.
- BS EN 1850-1: Determination of visible defects.
- BS EN 1107-1: Flexible sheets for waterproofing. Determination of dimensional stability
- Plastic Foot: Nylon 6 B601L 30% glass fibre filled

Metal Framework:

- Hot dip galvanized carbon steel: BS EN 10219-1. Welding standard: BS EN ISO 15614-1.
- Galvanizing: BS EN ISO 1461.
- Custom Fabrication Specification: BF-SPEC-050411.
- Cross Bar Specification: BF-SPEC-230610.
- Salt mist testing: BS EN 60068-2-52.

Design Considerations

Foot Pressure & UDL (Roof Load):
Allowable foot pressure and roof load will be subject to roof build-up, typically detailed by a structural engineer. Big Foot Systems work to a maximum foot pressure and UDL of 20kN/m2 and 7.5kN/m2.

Design Load:
Design loads based upon maximum allowable deflection on cross members and allowable roof load, this includes a built-in factor of safety. Maximum allowable roof load should be checked with structural engineer. Design loads recommended by Big Foot should not be exceeded.

Wind Loading:
Suitable for wind exposed environments, up to wind speeds of 100mph.

Roof Surface:
Suitable for any roof surface including PVC membrane, mastic asphalt, insulation and concrete roofing.

Working Conditions:
Suitable for internal or external applications in temperatures between -40°C to +80°C.

Marine Environment:
Salt mist test conducted in accordance with ASTM B117-11 to simulate an accelerated environmental test. The results validates the 10 year product guarantee issued by Big Foot Systems.

Options

Foot Fleeces:
Recommended for use on PVC membrane and asphalt roof surfaces to prevent migration of plasticizers.

- **B9156**—305mm (12 1/64inches)
- **B9157**—450mm (17 23/32inches)
- **B9415**—600mm (23 5/8 inches)

Angled Mats:
Recommended use on roof with up to 6 degree fall. Available in 2 heights for use with the 305 and 450 H-Frame set only.

2.5 Degree Angled Mat:

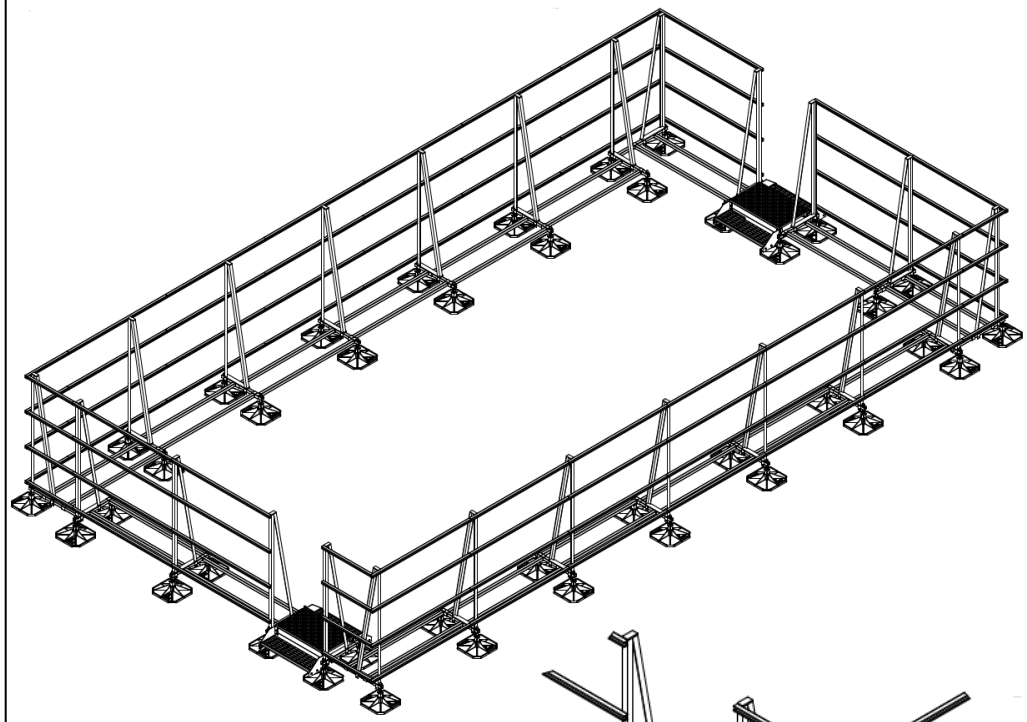
- **B9091**—2.5° 305 Angled Mat
- B**9093**—2.5° 450 Angled Mat

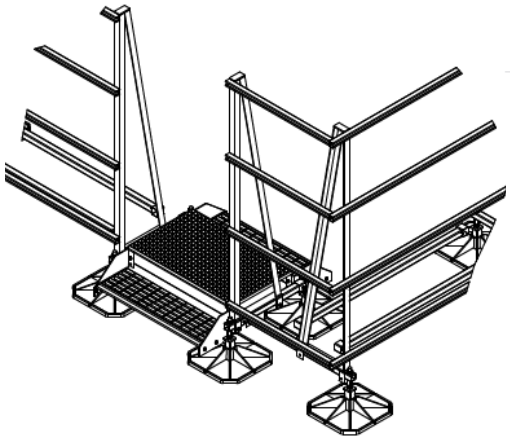
5 Degree Angled Mat:

- **B9092**—5° 305 Angled Mat
- B**9094**—5° 450 Angled Mat

Louvre Support Frame

- Non penetrative HD Beam perimeter base
- Vertical A Frames; horizontal strut throughout
- HD crossbars for ballast support
- Designed to British Standards
- Louvre step over included for access requirement
- 20-30 working days lead time

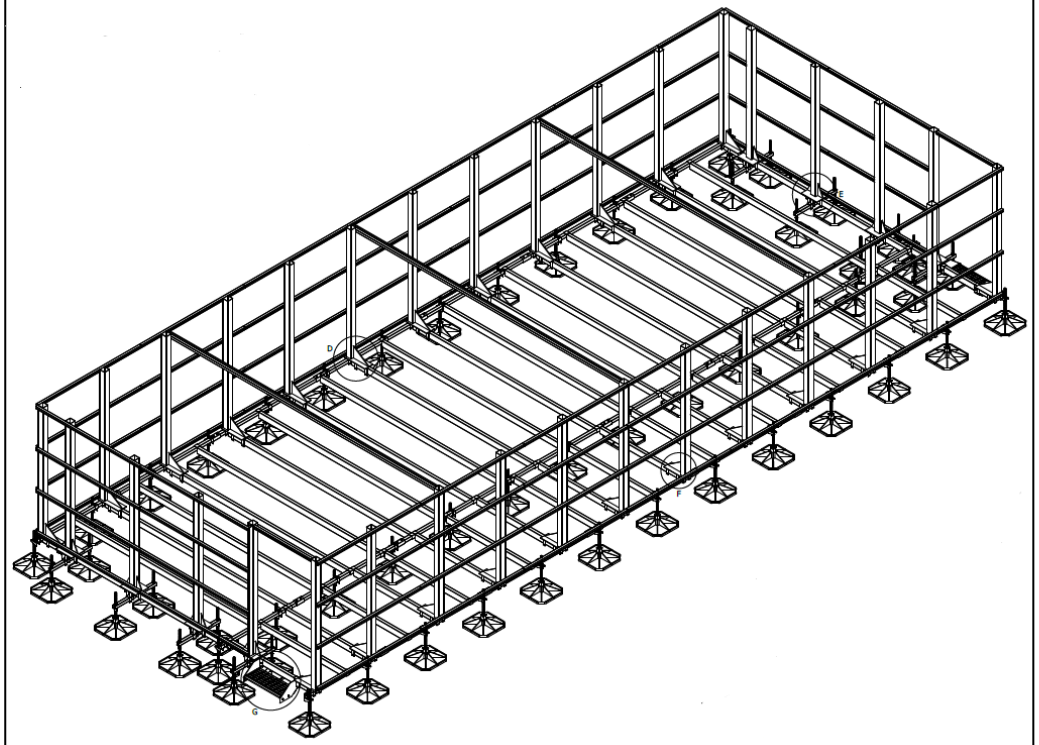




- As standard, Big Foot is able to support louvre screens of 1m height up to 3m height.
- Post alternative available to suit roof requirements
- Ballast maybe required to achieve wind loading requirement; to be supplied by others.

Louvre Plant Deck Frame

- Non penetrative HD frame base
- Vertical Post alternative; horizontal strut throughout
- HD crossbars for unit support
- Option of GRP non-slip grid or galvanized steel access walkway
- Additional access steps option available
- 20-30 working days lead time



Installation and application considerations should include health, safety and environmental needs, regulations and standards, codes of practice, climate conditions, installation location, product orientation, evaluation of the roof structure, composition, surface and condition, ancillary and complimentary products and materials. Big Foot Systems recommend that all rooftop products are handled and installed by suitably qualified persons. All scheme designs are based on the use of Big Foot Systems' products and materials only.
Terms and conditions available on request

TITLE:
Louvre Screen Support Product Specification Sheet

DWG No.
BFT-LVS.dwg

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